INMET MINING CORP.
Winston Lake Division

Winston Lake Mine Property Area

Diamond Drilling

Mining District : Thunder Bay

Township : Pays Plat Lake

Prepared by
Gerard Doiron
Mine Geologist

October 8, 1996

PROPERTY : Winston Lake Mine Property Area

CLAIM # : Worked on 9 claims in total ; R-721, R-722, R-724, TB-386798 TB-386804, TB-42277, TB-42278, TB-42156 and TB-88532

TYPE OF WORK : Diamond drilling

SUMMARY : In total 3,899 meters in 21 diamond drill holes was done between the period of October 26 to December 15 , 1994.

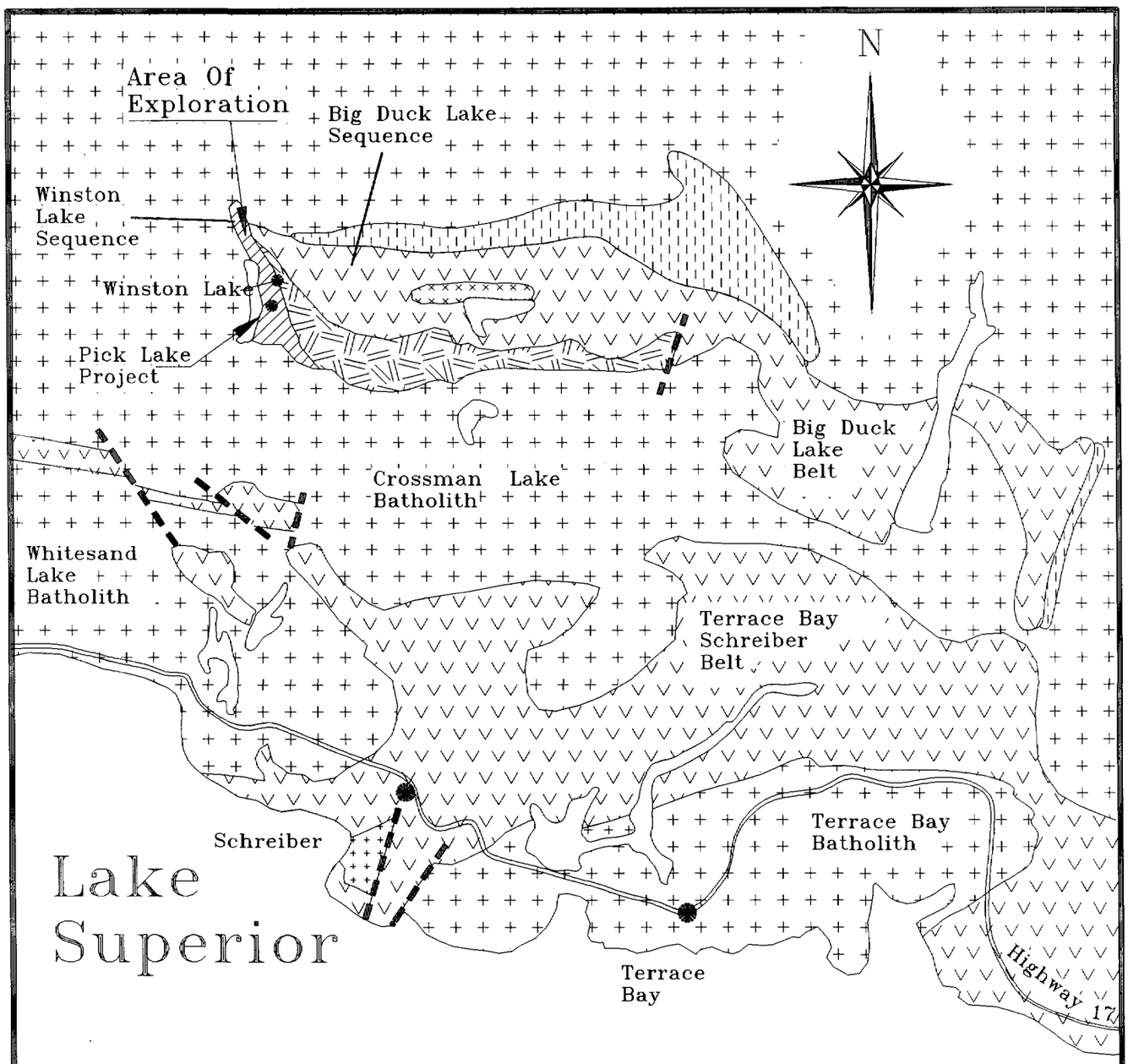
DDH # :

DDH #	ASTRO. AZIMUTH.	DEPTH	DIP
WL-99	250°	417m	-69°
WL-100	253°	33m	-90°
WL-101	253°	36m	-44°
WL-102	253°	27m	-90°
WL-103	253°	25m	-35°
WL-104	253°	35m	-90°
WL-105	253°	39m	-44°
WL-106	253°	30m	-90°
WL-107	253°	30m	-35°
WL-108	253°	35m	-90°
WL-109	253°	35m	-44°
ZO-100	250°	733m	-72°
ZO-101	250°	783m	-71°
ZO-102	249°	684m	-60°
ZO-103	DDH was not drilled		
ZO-104	250°	265m	-87°
ZO-105	250°	339m	-87°
ZO-106	250°	282m	-86°
ZO-107	265°	21m	-40°
ZO-108	239°	15m	-50°
ZO-109	206°	15m	-40°
ZO-110	206°	20m	-70°

COST :

DDH	$ 219,903.00
Supervision	$ 7,971,00
TOTAL	$ 227,774.00

Gerard Doiron
Mine Geologist



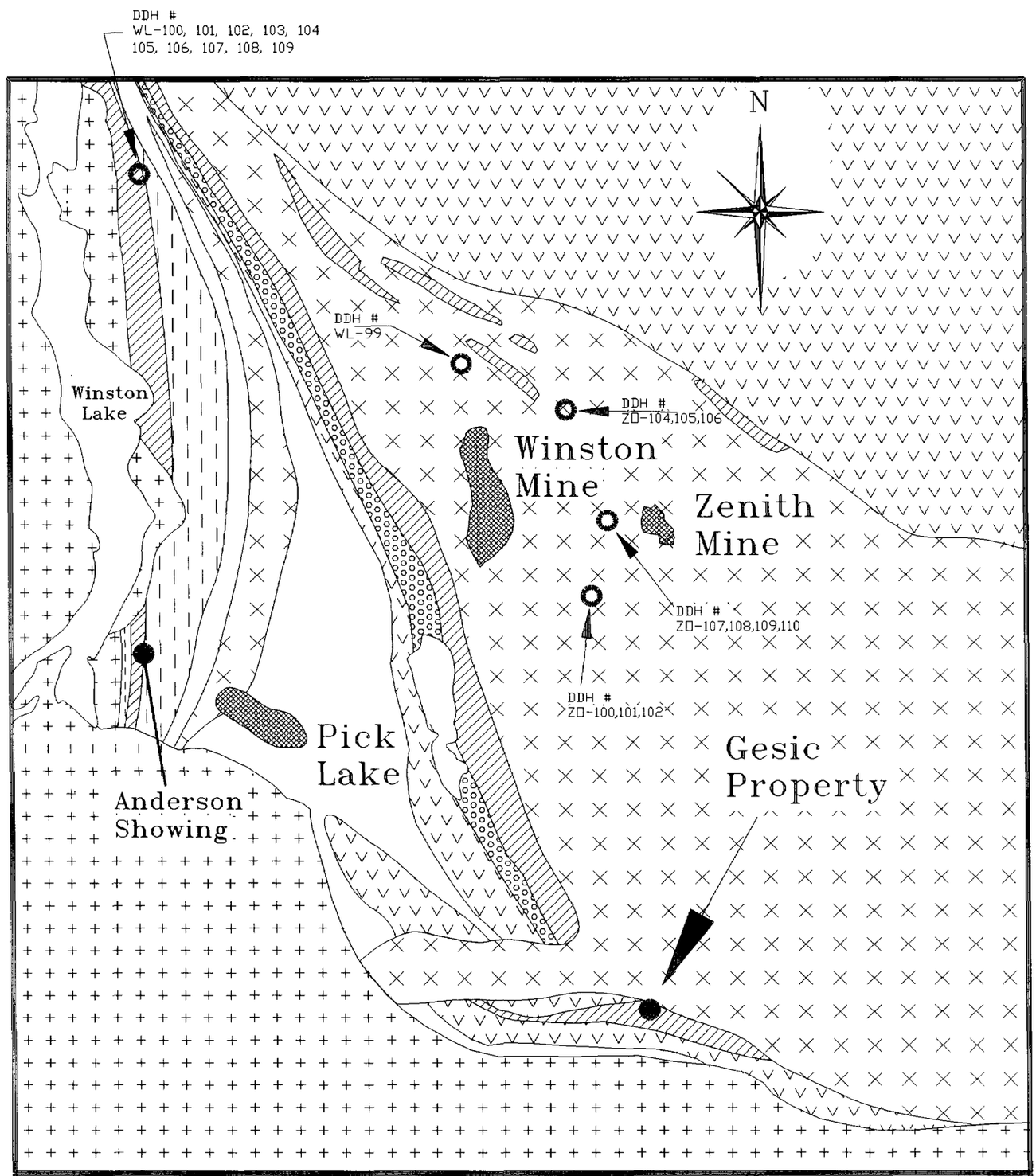
INMET MINING CORP.
Winston Lake Division
Regional Geology Map

0 5 KM

Scale

- Granitoid Rocks
- Porphyry
- Gabbro
- Metasediments
- Felsic Metavolcanics
- Mafic Metavolcanics
- Fault

REGGEOL.DWG
Drawn By: G. Doiron



INMET MINING CORP.
Winston Lake Division
Property Geology
Showing Areas Of Exploration

0 1 KM

Scale

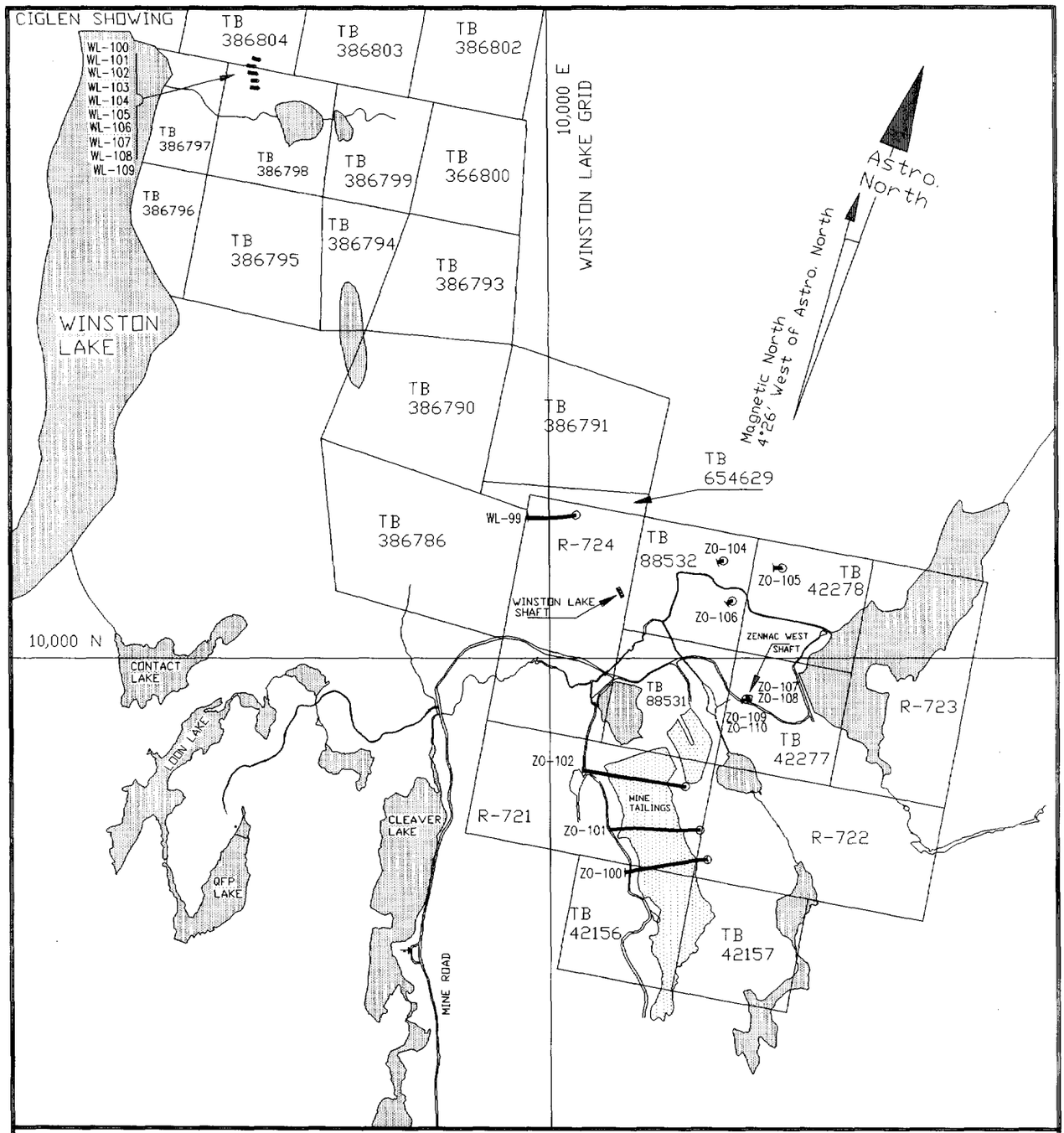
- Granite
- Gabbro
- Mafic Flows
- Meta-sediments
- Felsic Volcaniclastics
- "Camp" QFP Flow
- "Main" QFP flow
- Massive Sulphides

PROPGEOL.DWG
Drawn By: G. Doiron
Sept. 1996

LIST OF DDH DRILLED

DDH #	Astro. Azimuth	Dip	Depth
WL-99	250°	-69°	417m
WL-100	253°	-90°	33m
WL-101	253°	-44°	36m
WL-102	253°	-90°	27m
WL-103	253°	-35°	25m
WL-104	253°	-90°	35m
WL-105	253°	-44°	39m
WL-106	253°	-90°	30m
WL-107	253°	-35°	30m
WL-108	253°	-90°	35m
WL-109	253°	-44°	35m

DDH #	Astro. Azimuth	Dip	Depth
ZD-100	250°	-72°	733M
ZD-101	250°	-71°	783M
ZD-102	249°	-60°	684M
ZD-103	DDH was not drilled		
ZD-104	250°	-87°	265m
ZD-105	250°	-87°	339m
ZD-106	250°	-86°	282m
ZD-107	265°	-40°	21m
ZD-108	239°	-50°	15m
ZD-109	206°	-40°	15m
ZD-110	206°	-70°	20m



INMET MINING CORP.
WINSTON LAKE DIVISION

SURFACE PLAN WITH CLAIMS, DDH COLLARS, DDH PROJECTION

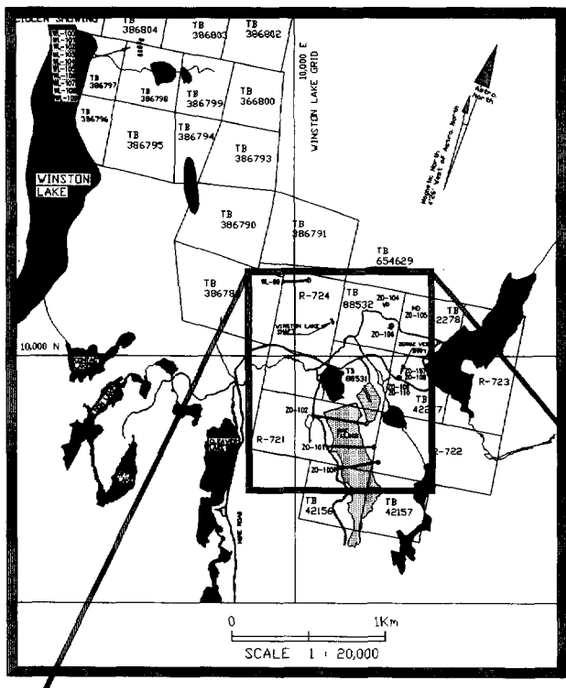
LEGEND

TB-42277 Claim #
ZD-107 DDH #
o DDH Collar
——— DDH Projection
SHAFT

0 1Km

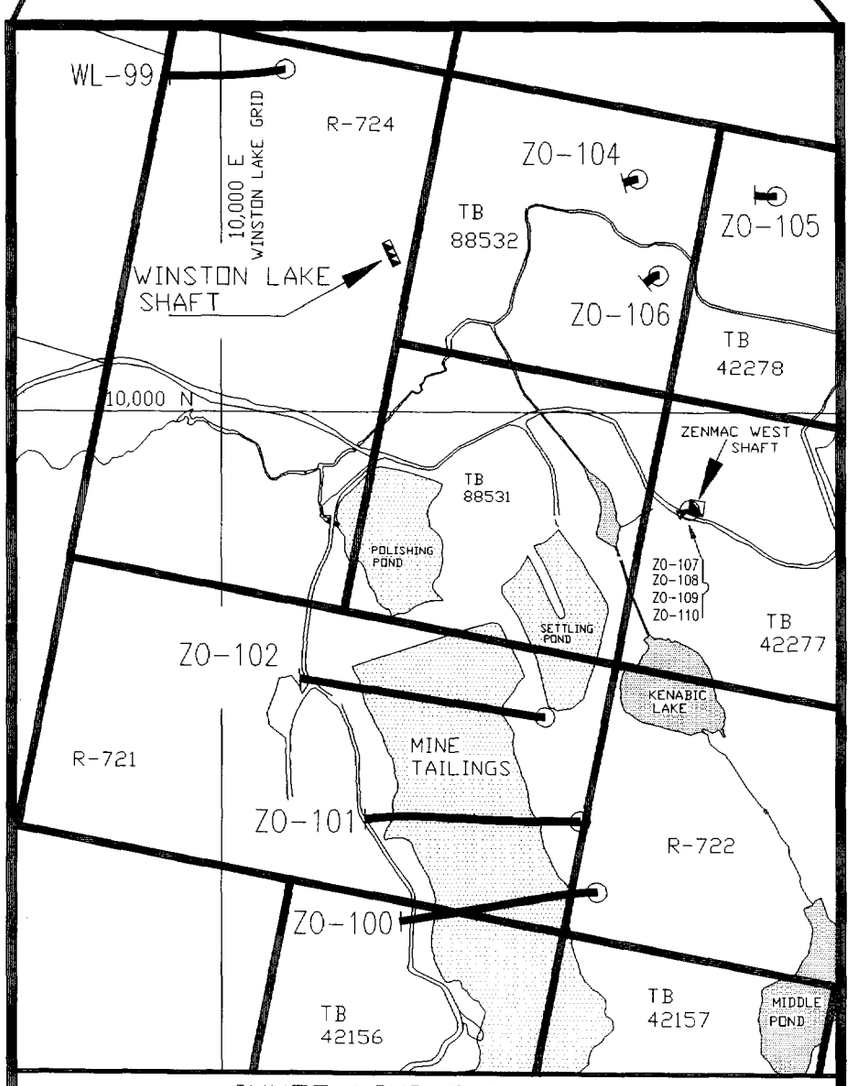
SCALE 1 : 20,000

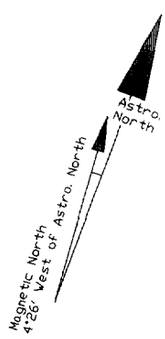
GERARD DOIRON
SEPT. 1996
SURFACE.DWG



LIST OF DDH DRILLED

DDH #	Astro. Azimuth	Dip	Depth
WL-99	250°	-69°	417m
ZO-100	250°	-72°	733m
ZO-101	250°	-71°	783m
ZO-102	249°	-60°	684m
ZO-103	DDH was not drilled		
ZO-104	250°	-87°	265m
ZO-105	250°	-87°	339m
ZO-106	250°	-86°	282m
ZO-107	265°	-40°	21m
ZO-108	239°	-50°	15m
ZO-109	206°	-40°	15m
ZO-110	206°	-70°	20m





INMET MINING CORP.
WINSTON LAKE DIVISION

SURFACE PLAN WITH CLAIMS, DDH COLLARS, DDH PROJECTION

DDH # WL-99, ZO-100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110

LEGEND

TB-42277 Claim #
ZO-107 DDH #
o DDH Collar
——— DDH Projection
722m DDH Depth (meters)
SHAFT

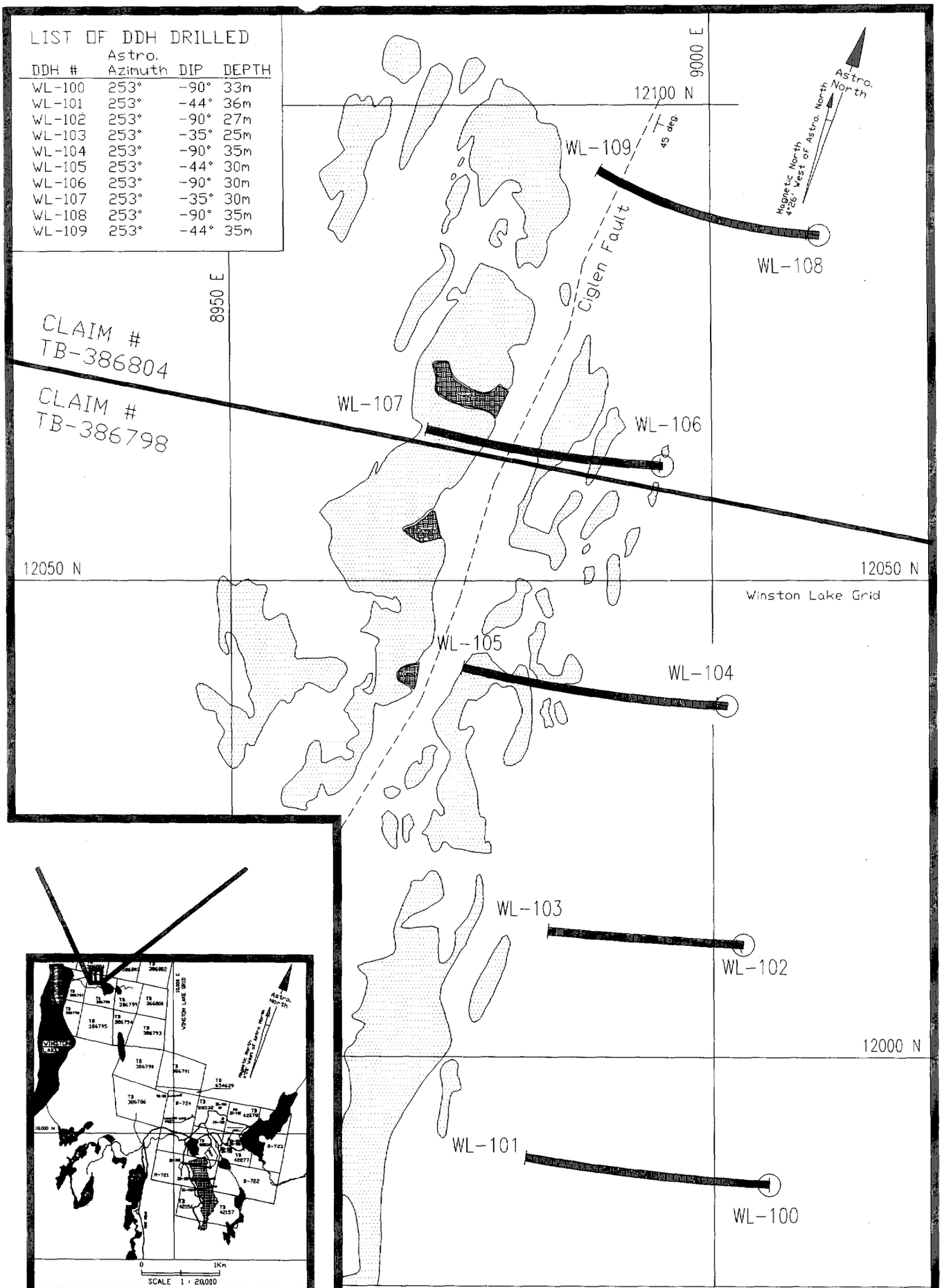
0 500m

SCALE 1 : 10,000

GERARD DOIRON
SEPT. 1996
ZO.DWG

LIST OF DDH DRILLED

DDH #	Astro. Azimuth	DIP	DEPTH
WL-100	253°	-90°	33m
WL-101	253°	-44°	36m
WL-102	253°	-90°	27m
WL-103	253°	-35°	25m
WL-104	253°	-90°	35m
WL-105	253°	-44°	30m
WL-106	253°	-90°	30m
WL-107	253°	-35°	30m
WL-108	253°	-90°	35m
WL-109	253°	-44°	35m



LEGEND

TB-386804	Claim #
WL-109	DDH #
○	DDH Collar
———	DDH Projection
25m	DDH Depth (meters)
	Trench
	Outcrop

INMET MINING CROP.
WINSTON LAKE DIVISION

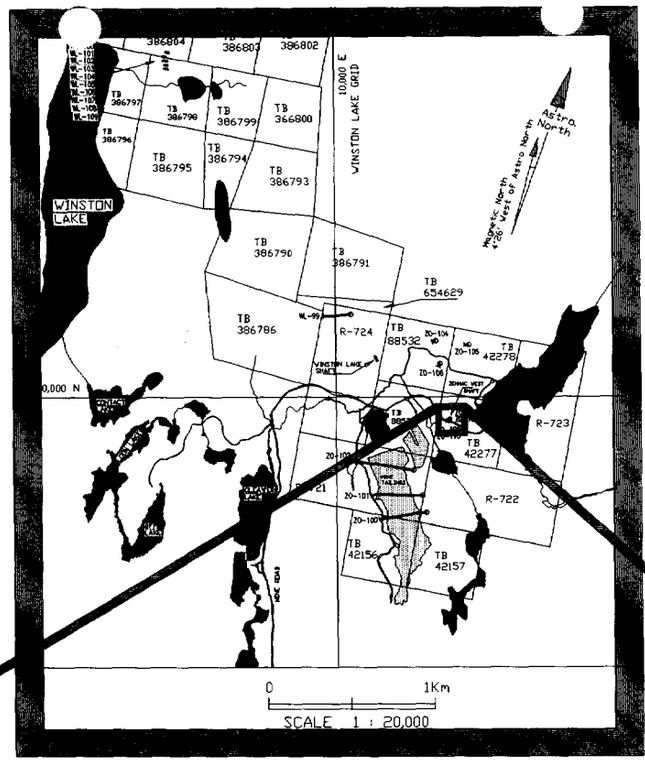
SURFACE PLAN - CIGLEN SHOWING

DDH # WL-100, -101, -102, -103, -104, -105, -106, -107, -108, -109

0 25m

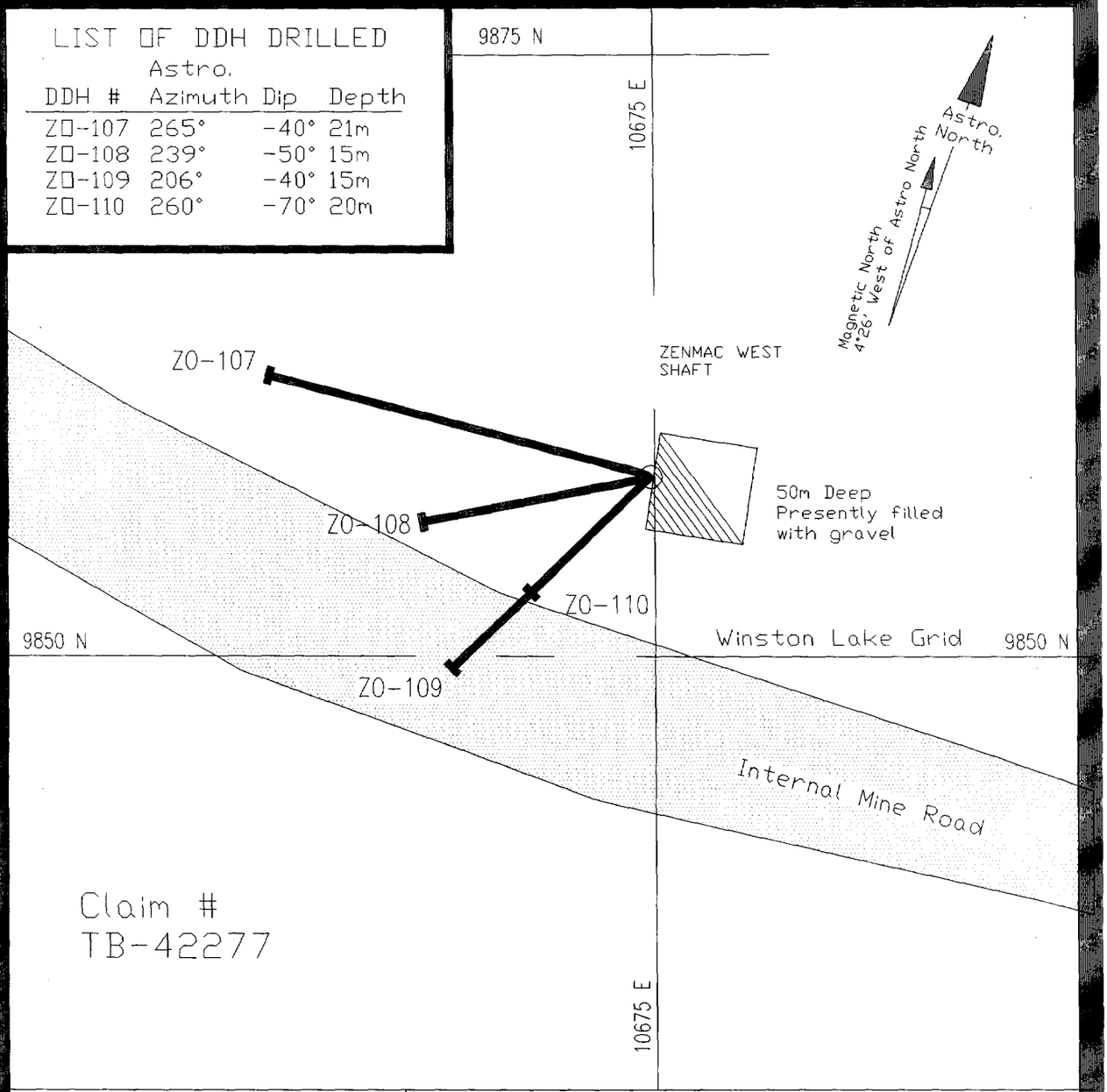
Scale 1 : 500

GERARD DOIRON
SEPT. 1996
CIGLEN.DWG



LIST OF DDH DRILLED

DDH #	Astro. Azimuth	Dip	Depth
ZD-107	265°	-40°	21m
ZD-108	239°	-50°	15m
ZD-109	206°	-40°	15m
ZD-110	260°	-70°	20m



LEGEND

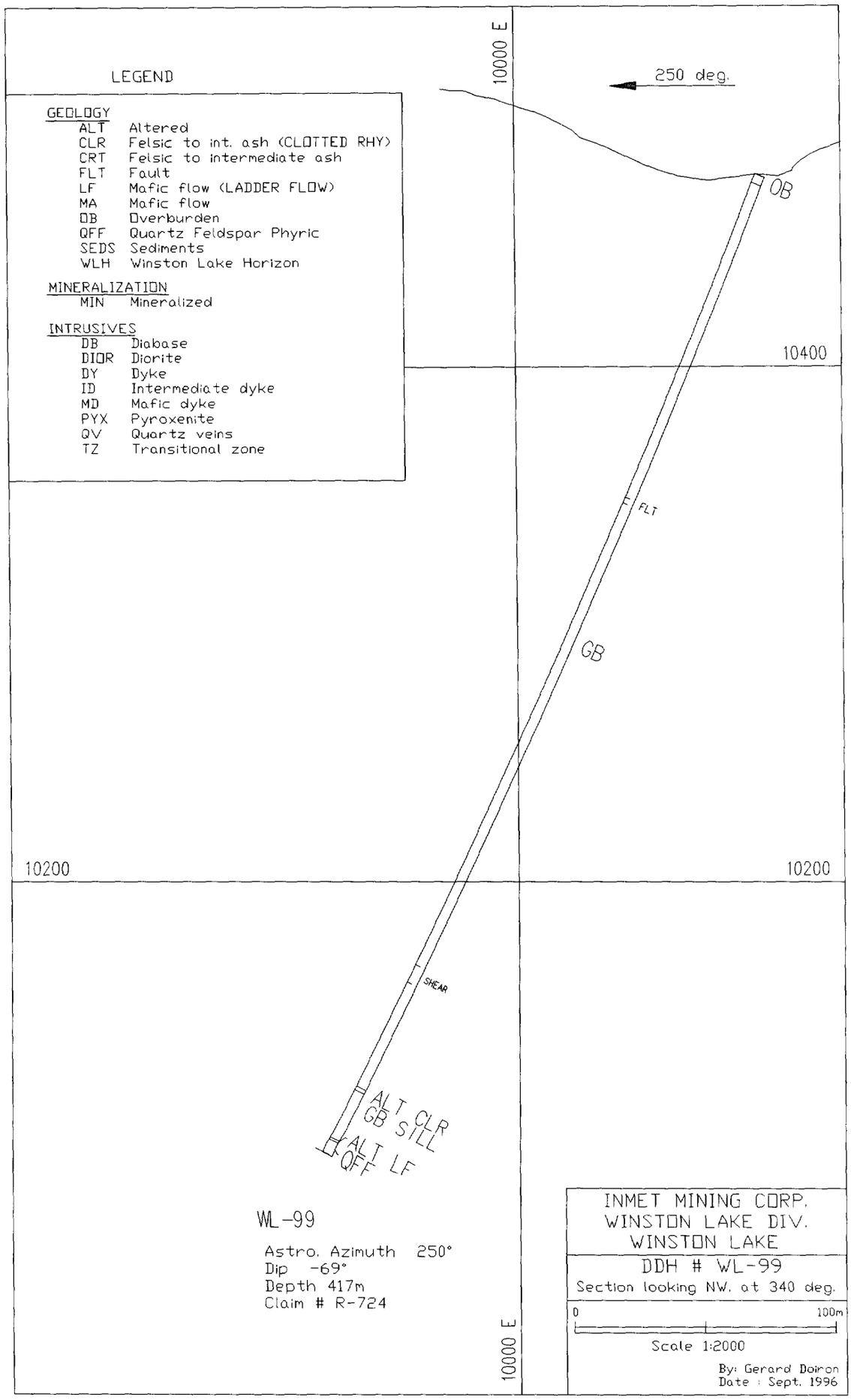
TB 42277	Claim #
ZD-108	DDH #
O	DDH Collar
——	DDH Projection
21m	DDH Depth (meters)
	Shaft

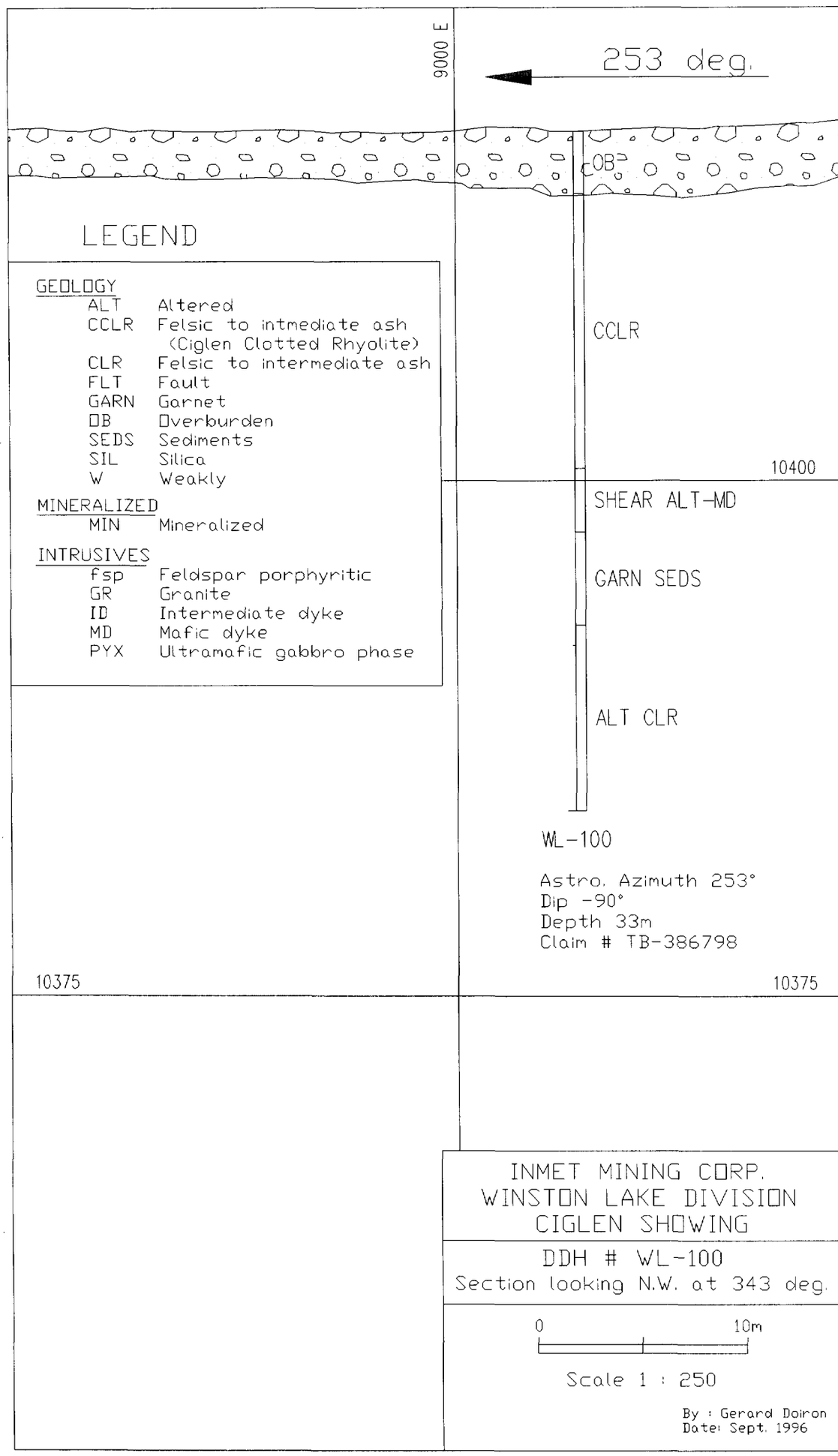
INMET MINING CORP.
WINSTON LAKE DIVISION

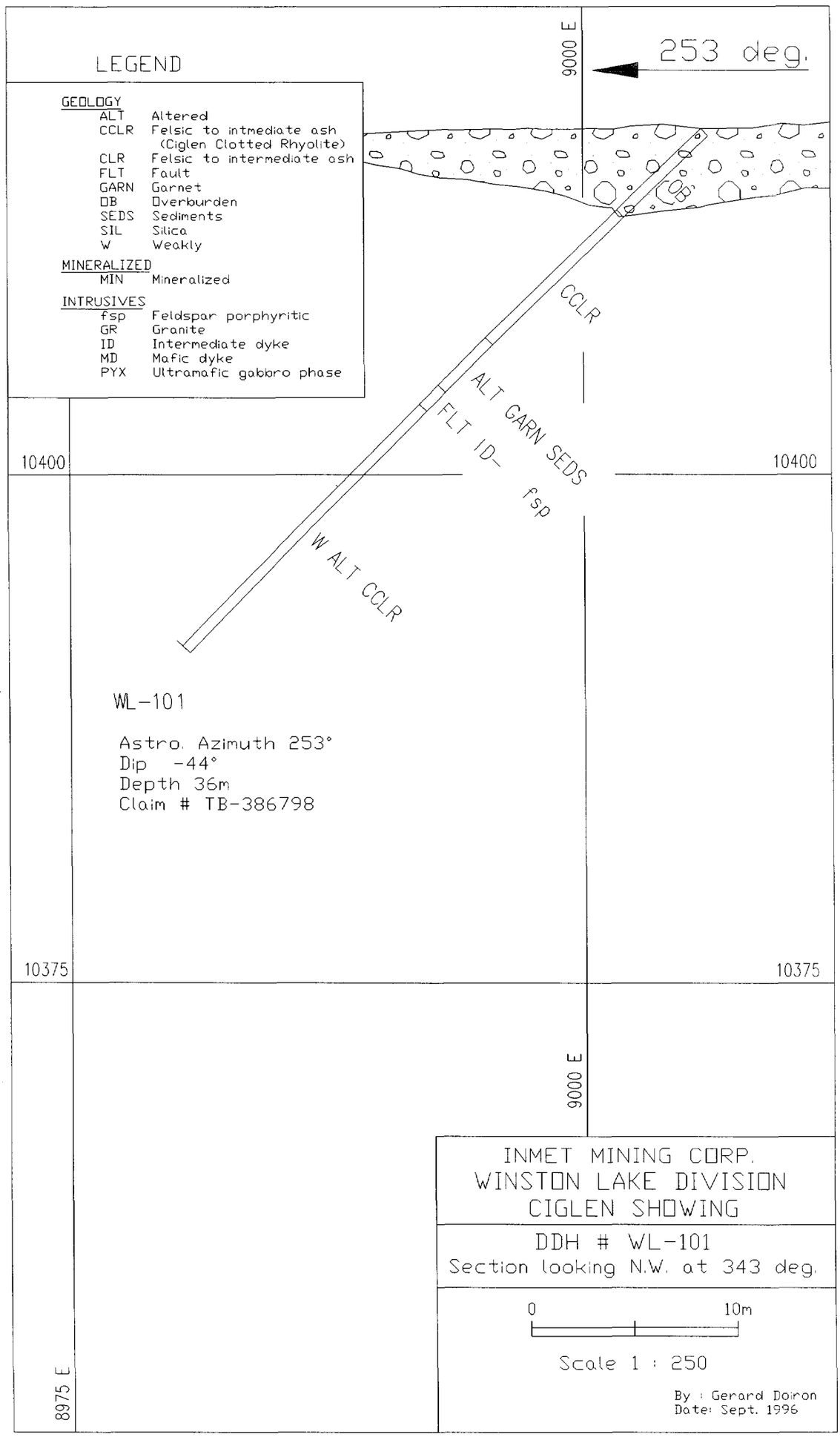
ENLARGED SURFACE PLAN
DDH # ZD-107, ZD-108, ZD-109, ZD-110

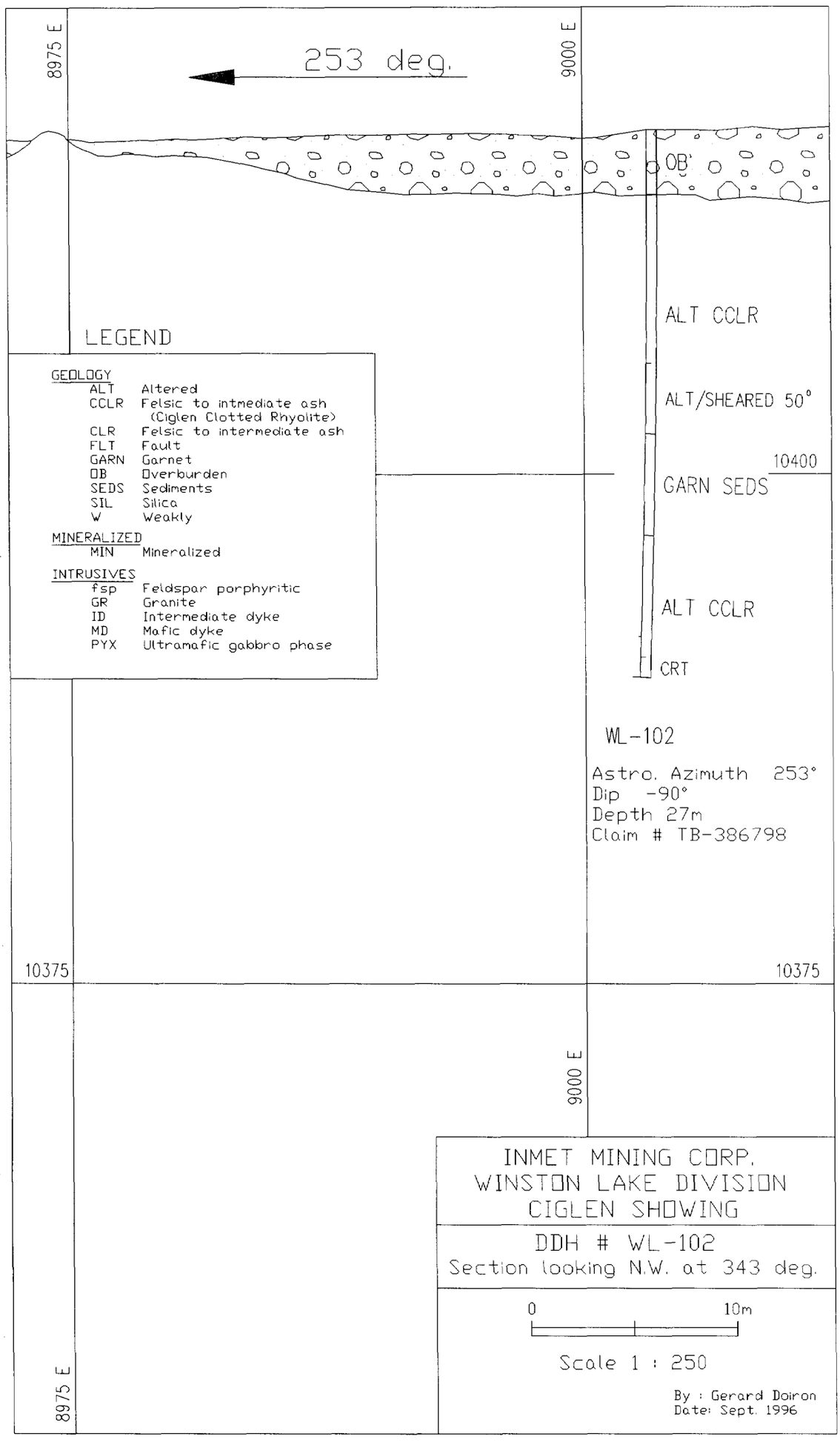
0 5 10m
Scale 1 : 250

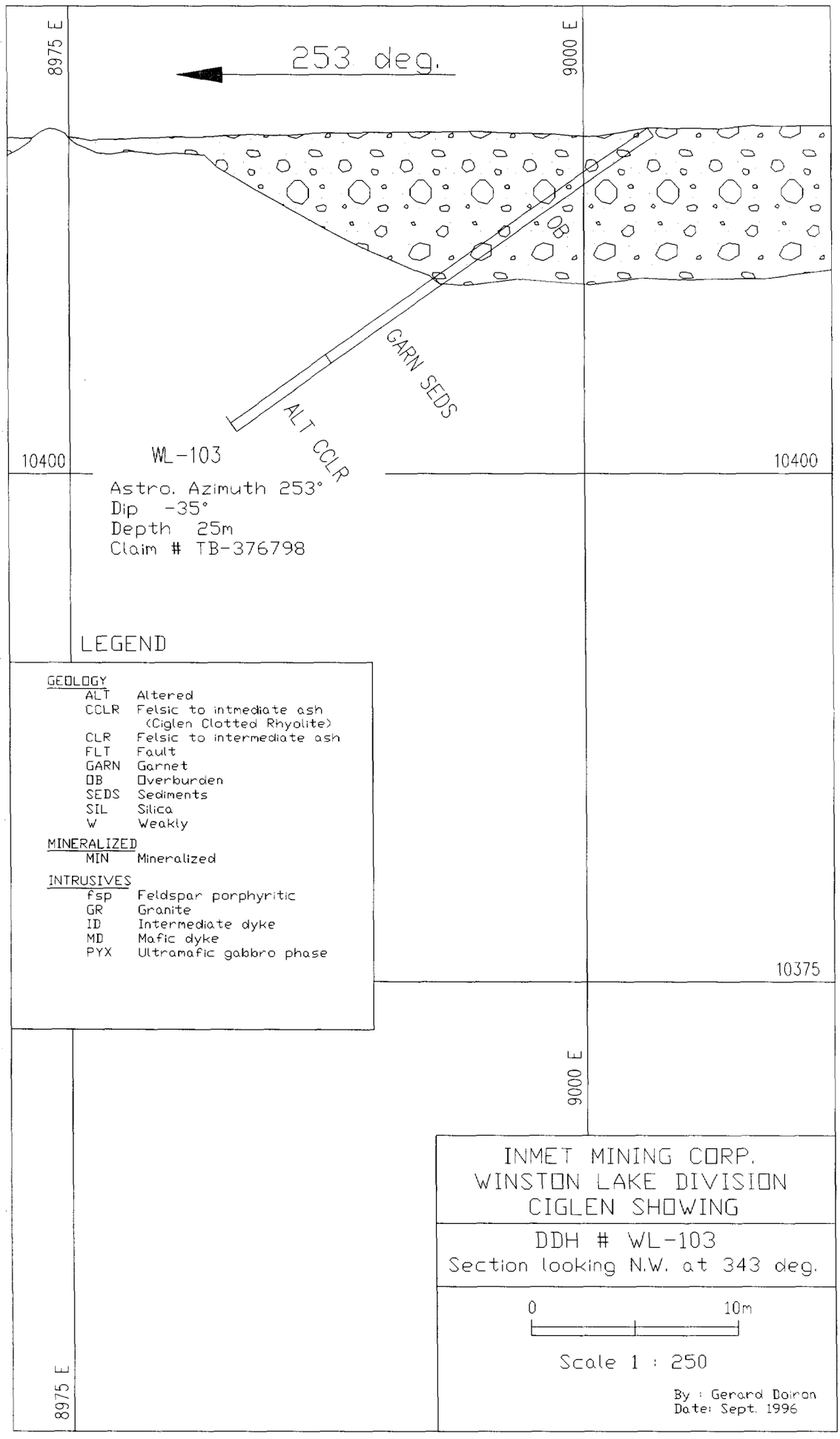
GERARD DOIRON
SEPT. 1996
ZENMAC.DWG

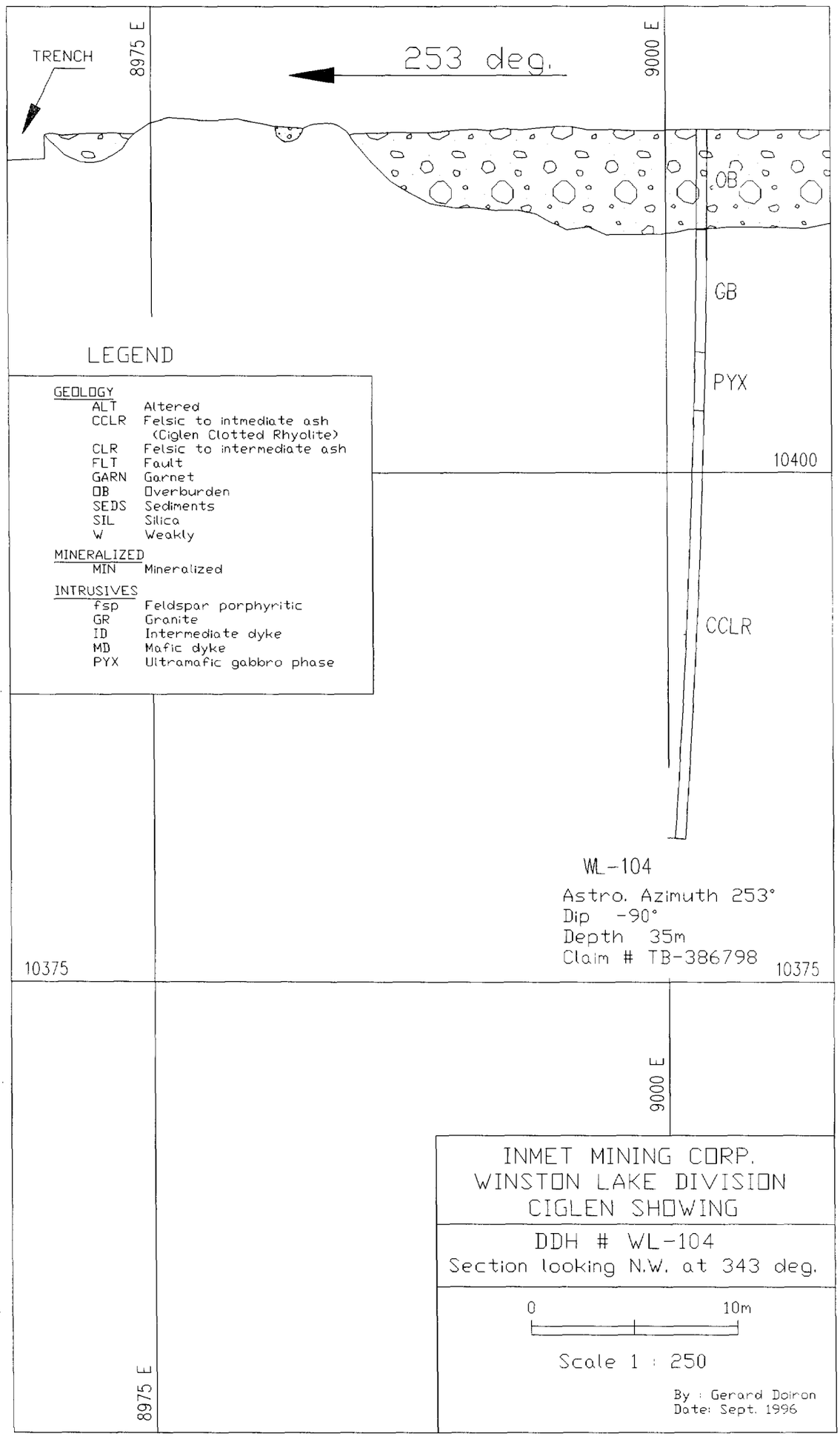

LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
10000 E
250 deg.
OB
10400
FLT
GB
10200
10200
SHEAR
ALT CLR
GB SILL
ALT LF
QFF
10000 E
WL-99
Astro. Azimuth 250°
Dip -69°
Depth 417m
Claim # R-724
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # WL-99
Section looking NW. at 340 deg.
0
100m
Scale 1:2000
By: Gerard Doiron
Date : Sept. 1996

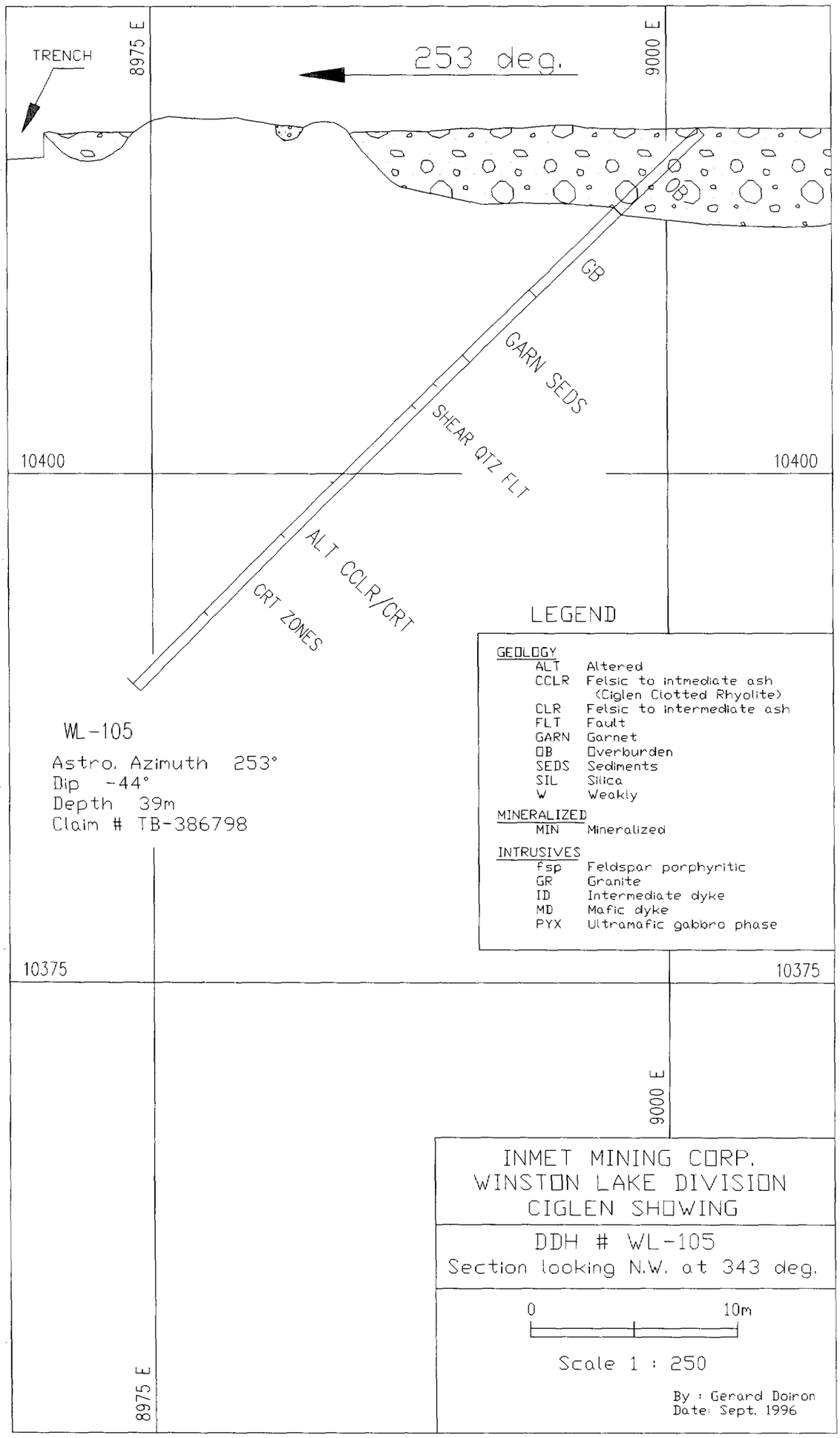

9000 E
253 deg.
OB
CCLR
10400
SHEAR ALT-MD
GARN SEDS
ALT CLR
WL-100
Astro. Azimuth 253°
Dip -90°
Depth 33m
Claim # TB-386798
10375
10375
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-100
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

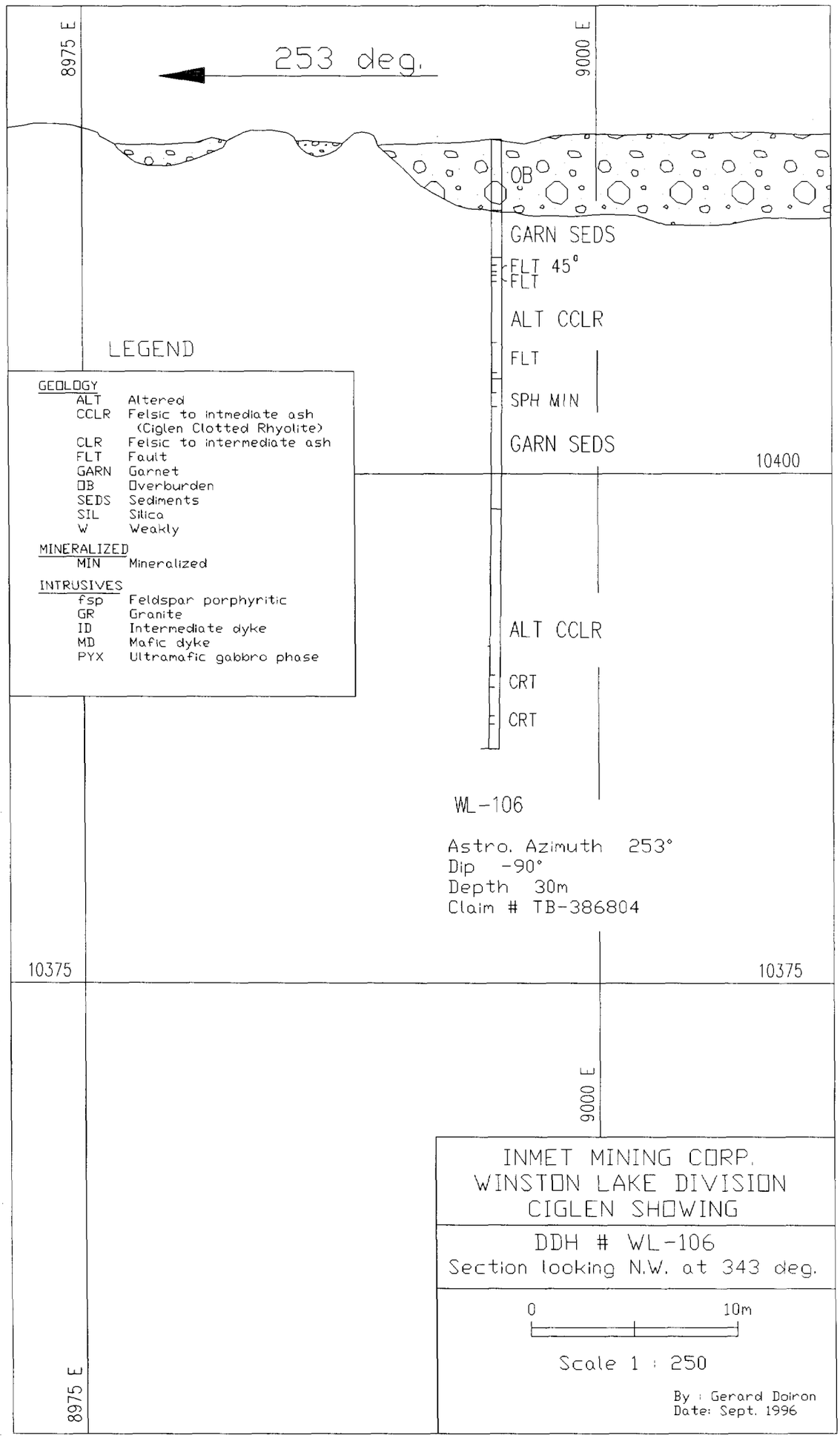

LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
9000 E
253 deg.
OB
CCLR
ALT GARN SEDS
FLT ID- fsp
W ALT CCLR
10400
10400
10375
10375
9000 E
8975 E
WL-101
Astro. Azimuth 253°
Dip -44°
Depth 36m
Claim # TB-386798
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-101
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

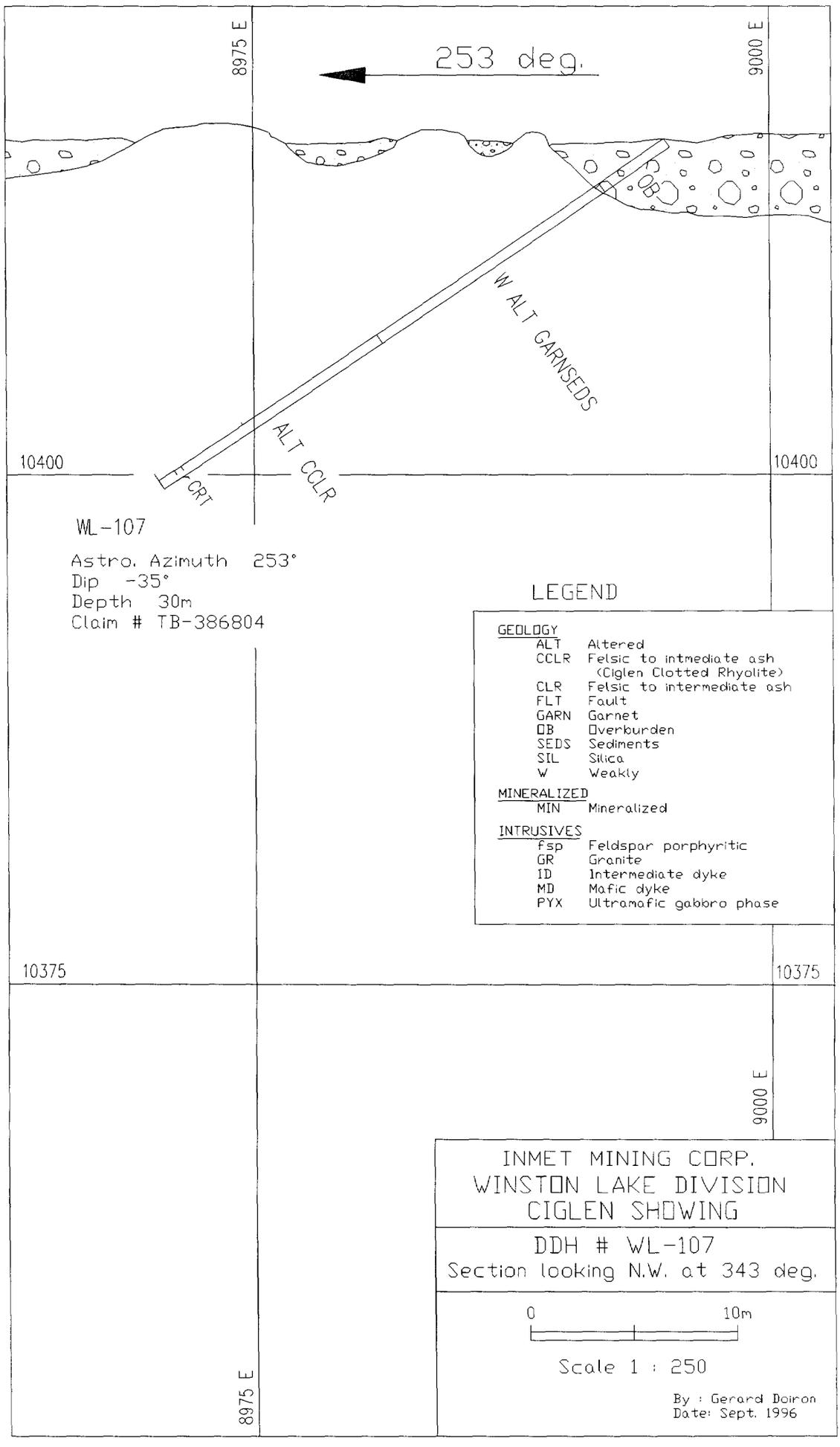

8975 E
253 deg.
9000 E
OB
ALT CCLR
ALT/SHEARED 50°
10400
GARN SEDS
ALT CCLR
CRT
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
WL-102
Astro. Azimuth 253°
Dip -90°
Depth 27m
Claim # TB-386798
10375
10375
9000 E
8975 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-102
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

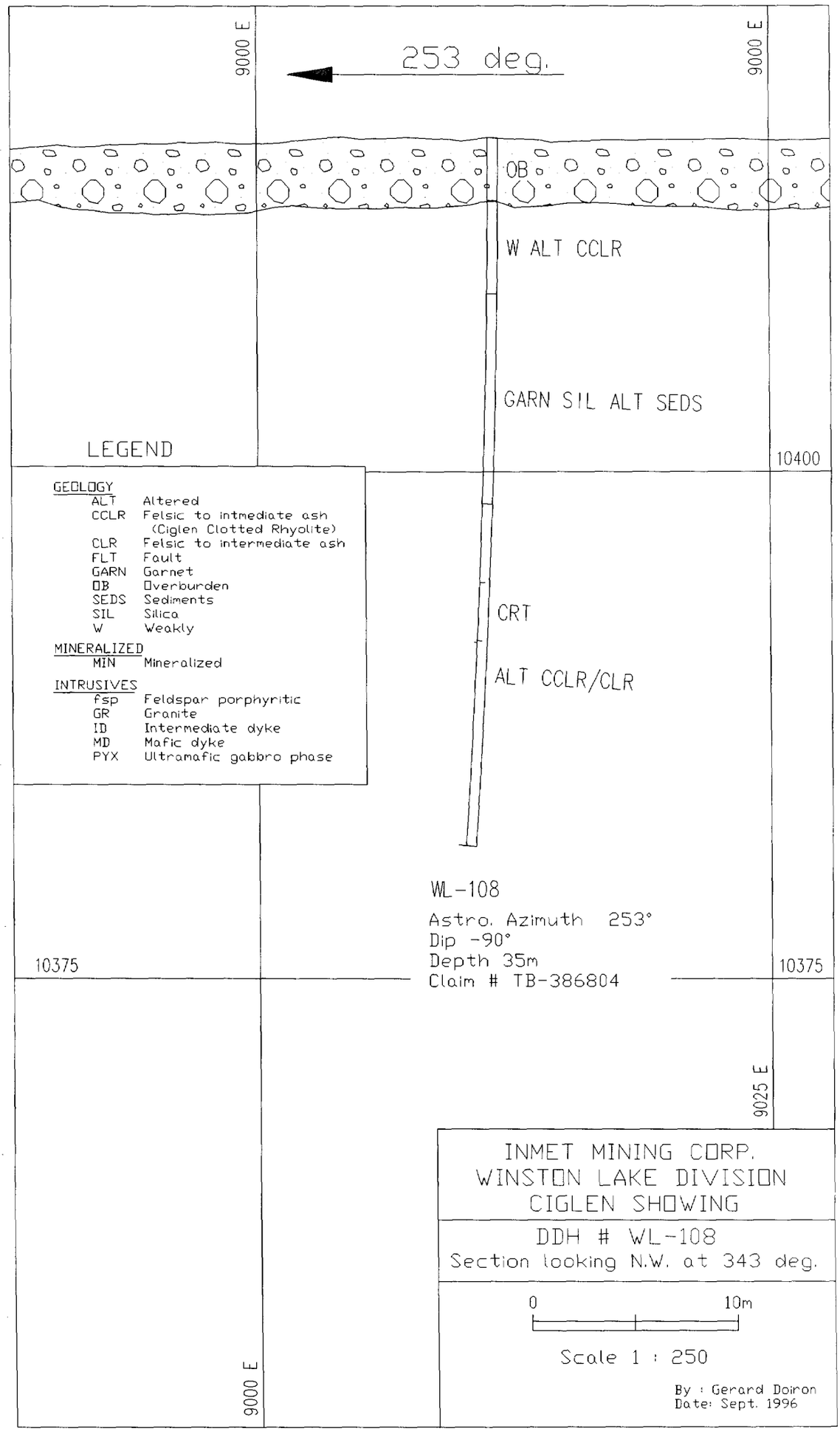

8975 E
9000 E
253 deg.
GARN SEDS
ALT CCLR
10400
WL-103
10400
Astro. Azimuth 253°
Dip -35°
Depth 25m
Claim # TB-376798
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
10375
9000 E
8975 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-103
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

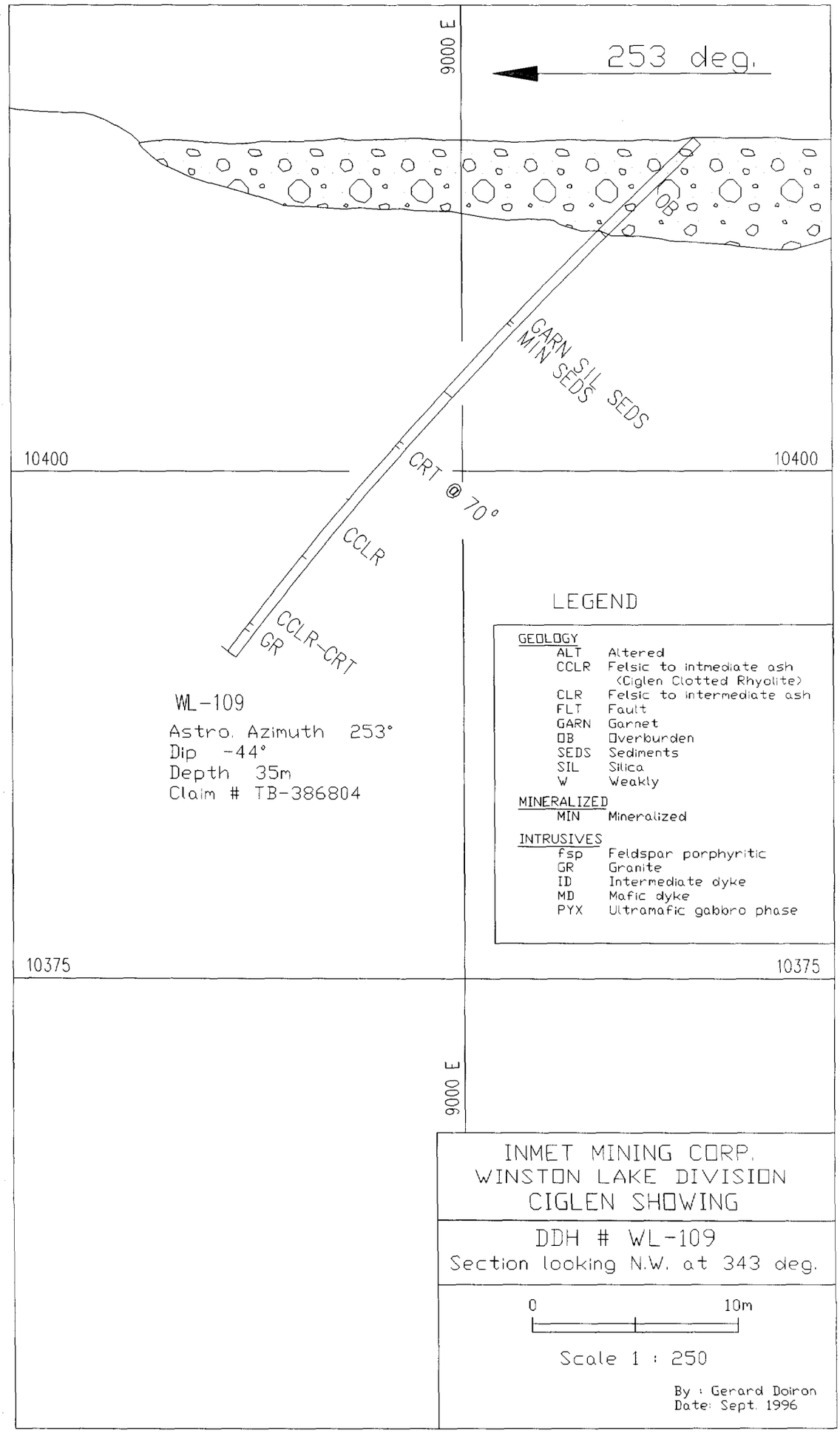

TRENCH
8975 E
253 deg.
9000 E
OB
GB
PYX
10400
CCLR
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
WL-104
Astro. Azimuth 253°
Dip -90°
Depth 35m
Claim # TB-386798
10375
10375
9000 E
8975 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-104
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

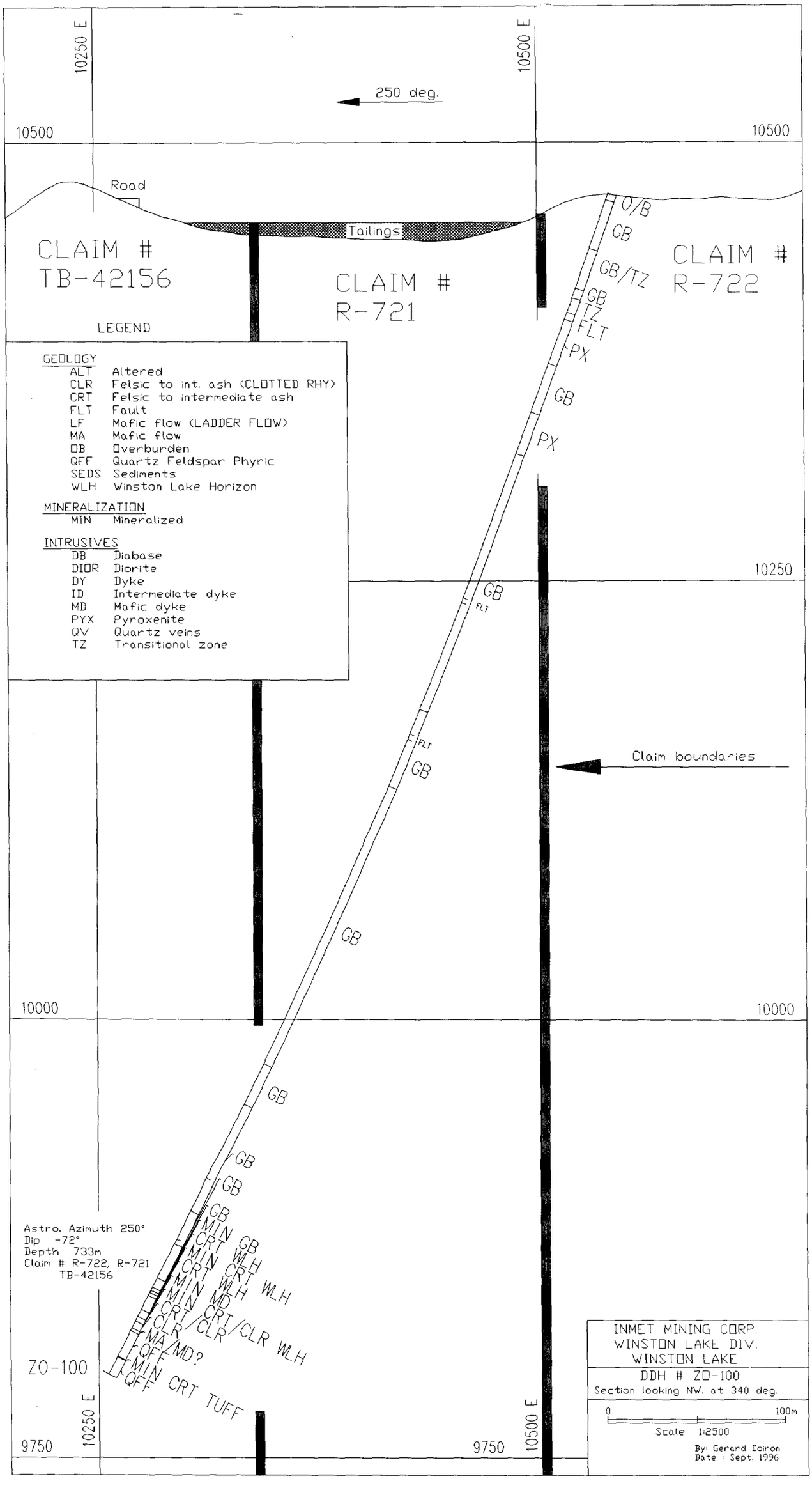

TRENCH
8975 E
253 deg.
9000 E
OB
GB
GARN SEDS
SHEAR QTZ FLT
ALT CCLR/CRT
CRT ZONES
10400
10400
10375
10375
9000 E
8975 E
WL-105
Astro. Azimuth 253°
Dip -44°
Depth 39m
Claim # TB-386798
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-105
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

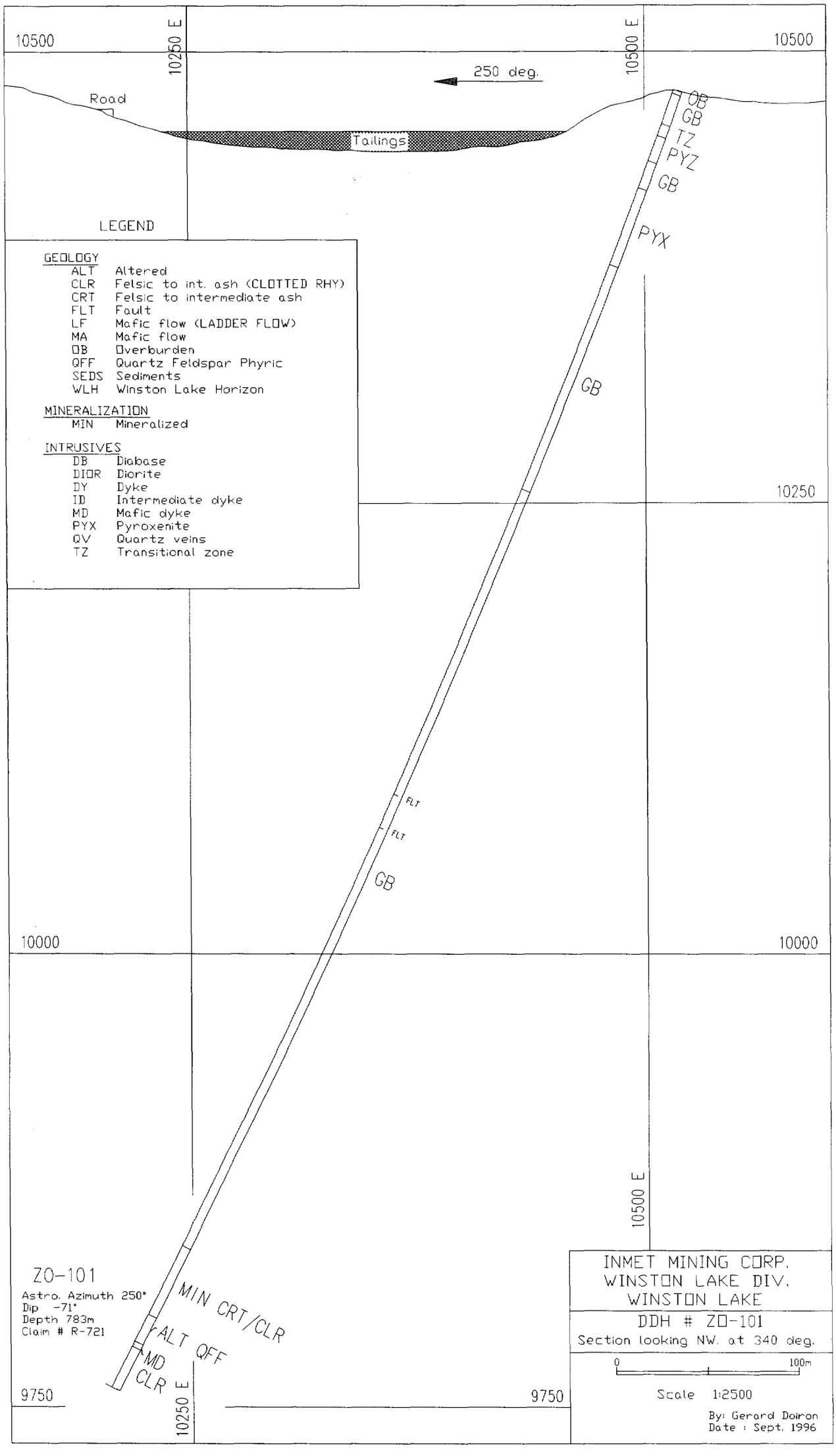

8975 E
253 deg.
9000 E
OB
GARN SEDS
FLT 45°
FLT
ALT CCLR
FLT
SPH MIN
GARN SEDS
10400
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
ALT CCLR
CRT
CRT
WL-106
Astro. Azimuth 253°
Dip -90°
Depth 30m
Claim # TB-386804
10375
10375
9000 E
8975 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-106
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996

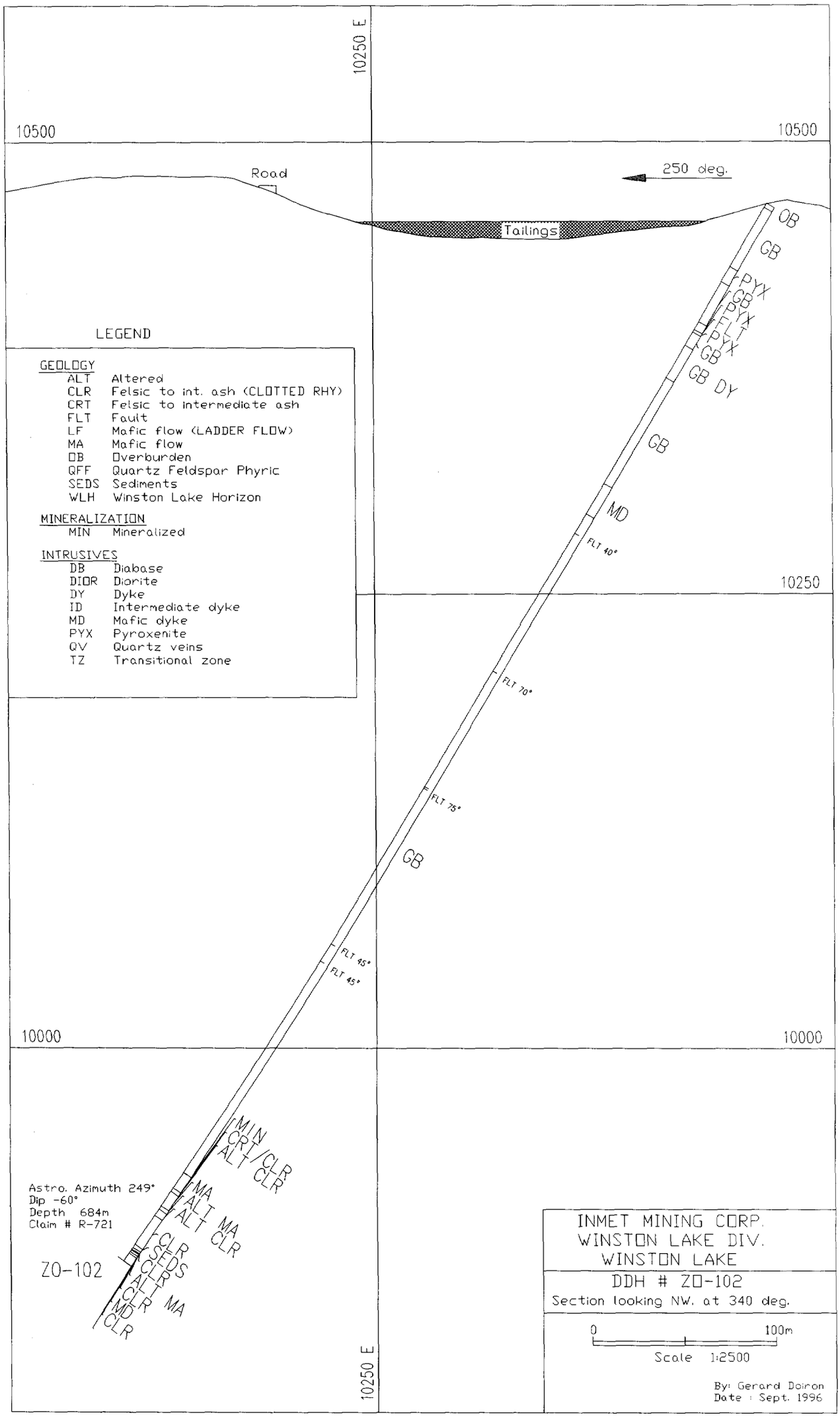

8975 E
253 deg.
9000 E
OB
W ALT GARNSEDS
ALT CCLR
FLT
CRT
10400
10400
WL-107
Astro. Azimuth 253°
Dip -35°
Depth 30m
Claim # TB-386804
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
10375
10375
9000 E
8975 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-107
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996


9000 E
253 deg.
9000 E
OB
W ALT CCLR
GARN SIL ALT SEDS
LEGEND
10400
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
CRT
ALT CCLR/CLR
WL-108
Astro. Azimuth 253°
Dip -90°
Depth 35m
Claim # TB-386804
10375
10375
9025 E
9000 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-108
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996


9000 E
253 deg.
OB
GARN SIL
MIN SEDS
SEDS
10400
10400
CRT @ 70°
CCLR
CCLR-CRT
GR
WL-109
Astro. Azimuth 253°
Dip -44°
Depth 35m
Claim # TB-386804
LEGEND
GEOLOGY
ALT Altered
CCLR Felsic to intmediate ash (Ciglen Clotted Rhyolite)
CLR Felsic to intermediate ash
FLT Fault
GARN Garnet
OB Overburden
SEDS Sediments
SIL Silica
W Weakly
MINERALIZED
MIN Mineralized
INTRUSIVES
fsp Feldspar porphyritic
GR Granite
ID Intermediate dyke
MD Mafic dyke
PYX Ultramafic gabbro phase
10375
10375
9000 E
INMET MINING CORP.
WINSTON LAKE DIVISION
CIGLEN SHOWING
DDH # WL-109
Section looking N.W. at 343 deg.
0
10m
Scale 1 : 250
By : Gerard Doiron
Date: Sept. 1996


10250 E
10500 E
250 deg.
10500
10500
Road
Tailings
CLAIM #
TB-42156
CLAIM #
R-721
CLAIM #
R-722
LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
O/B
GB
GB/TZ
GB
TZ
FLT
PX
GB
PX
10250
GB
FLT
FLT
GB
Claim boundaries
GB
10000
10000
GB
GB
GB
GB
MIN
CRT
MIN
CRT
MIN
CRT
MIN
MD
MIN
CRT/CLR
CLR
MA/MD?
QFF
MIN
QFF
CRT
TUFF
WLH
WLH
WLH
WLH
Astro. Azimuth 250°
Dip -72°
Depth 733m
Claim # R-722, R-721
TB-42156
ZO-100
9750
10250 E
9750
10500 E
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-100
Section looking NW. at 340 deg.
0
100m
Scale 1:2500
By: Gerard Doiron
Date : Sept. 1996


10500
10250 E
10500 E
10500
250 deg.
Road
Tailings
OB
GB
TZ
PYZ
GB
PYX
GB
FLT
FLT
GB
LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
10250
10000
10000
10500 E
ZO-101
Astro. Azimuth 250°
Dip -71°
Depth 783m
Claim # R-721
MIN CRT/CLR
ALT QFF
MD
CLR
9750
10250 E
9750
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-101
Section looking NW. at 340 deg.
0
100m
Scale 1:2500
By: Gerard Doiron
Date : Sept. 1996

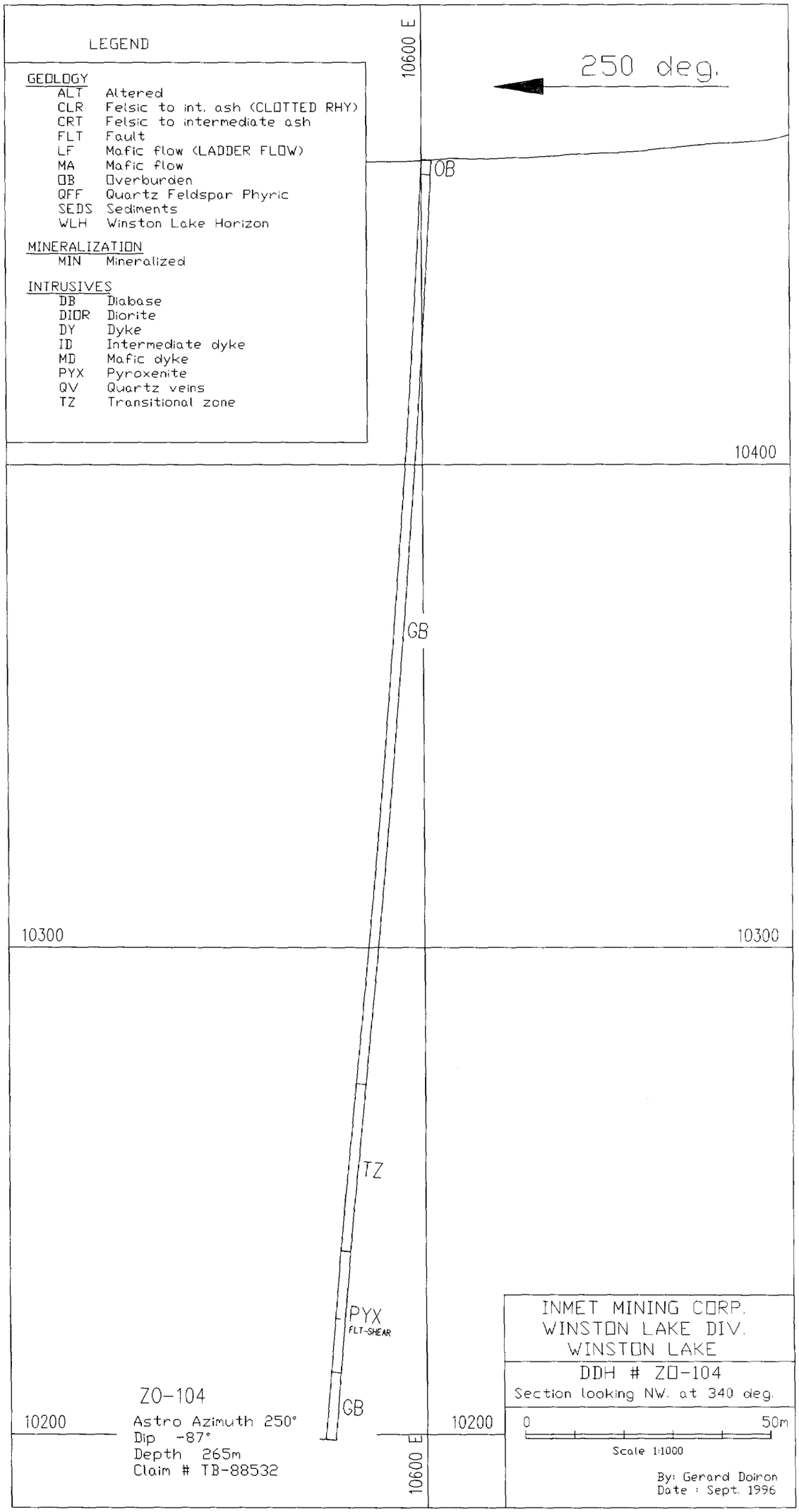

10250 E
10500
10500
Road
250 deg.
Tailings
OB
GB
PYX
GB
PYX
FLT
PYX
GB
GB DY
GB
MD
FLT 40°
10250
FLT 70°
FLT 75°
GB
FLT 45°
FLT 45°
10000
10000
MIN
CRT/CLR
ALT
CLR
MA
ALT
ALT MA
CLR
CLR
SEDS
CLR
CLR
ALT
CLR MA
MD
CLR
ZO-102
10250 E
LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
Astro. Azimuth 249°
Dip -60°
Depth 684m
Claim # R-721
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-102
Section looking NW. at 340 deg.
0
100m
Scale 1:2500
By: Gerard Doiron
Date : Sept. 1996

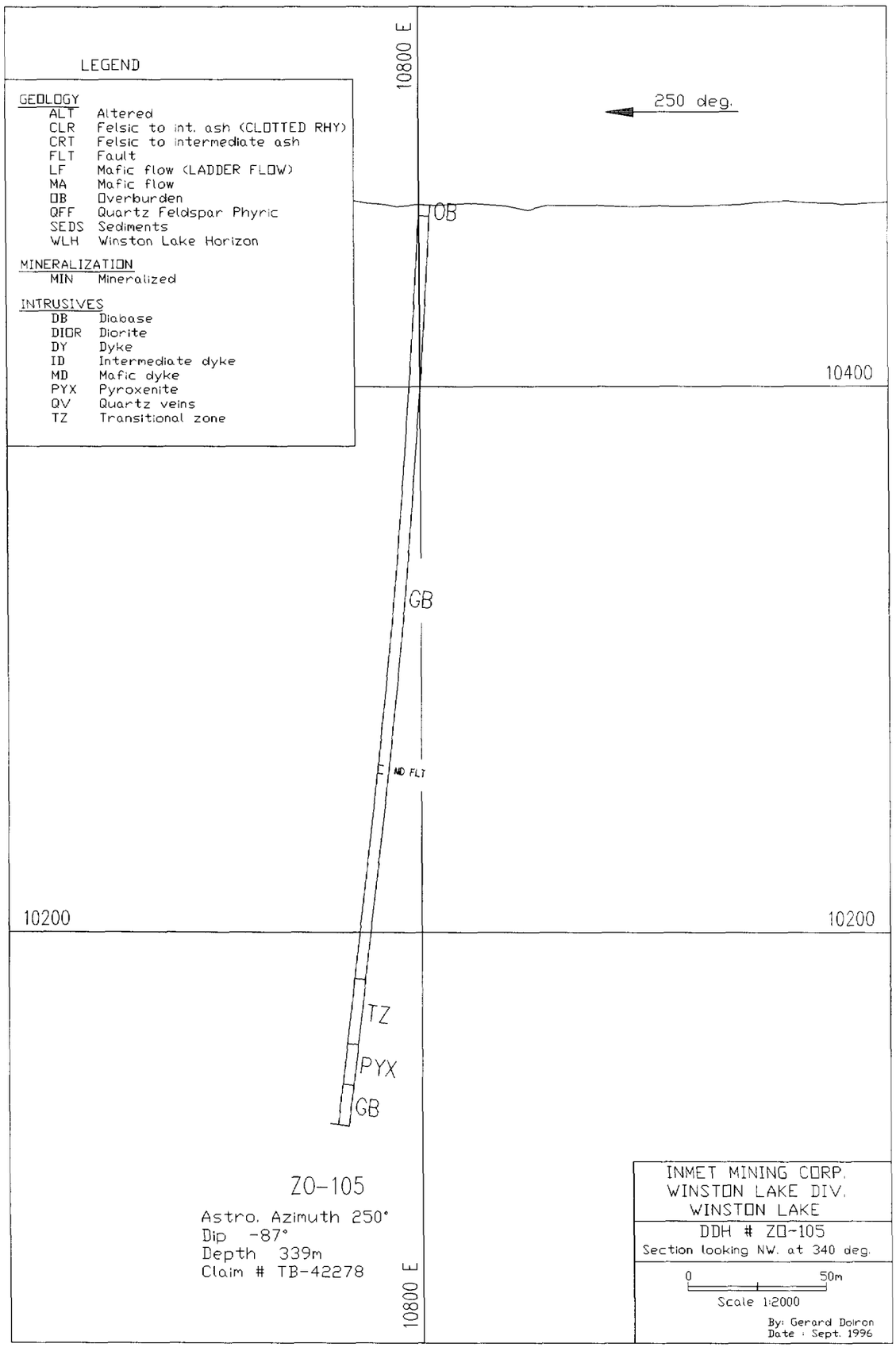
DDH # ZO-103 WAS NOT DRILLED

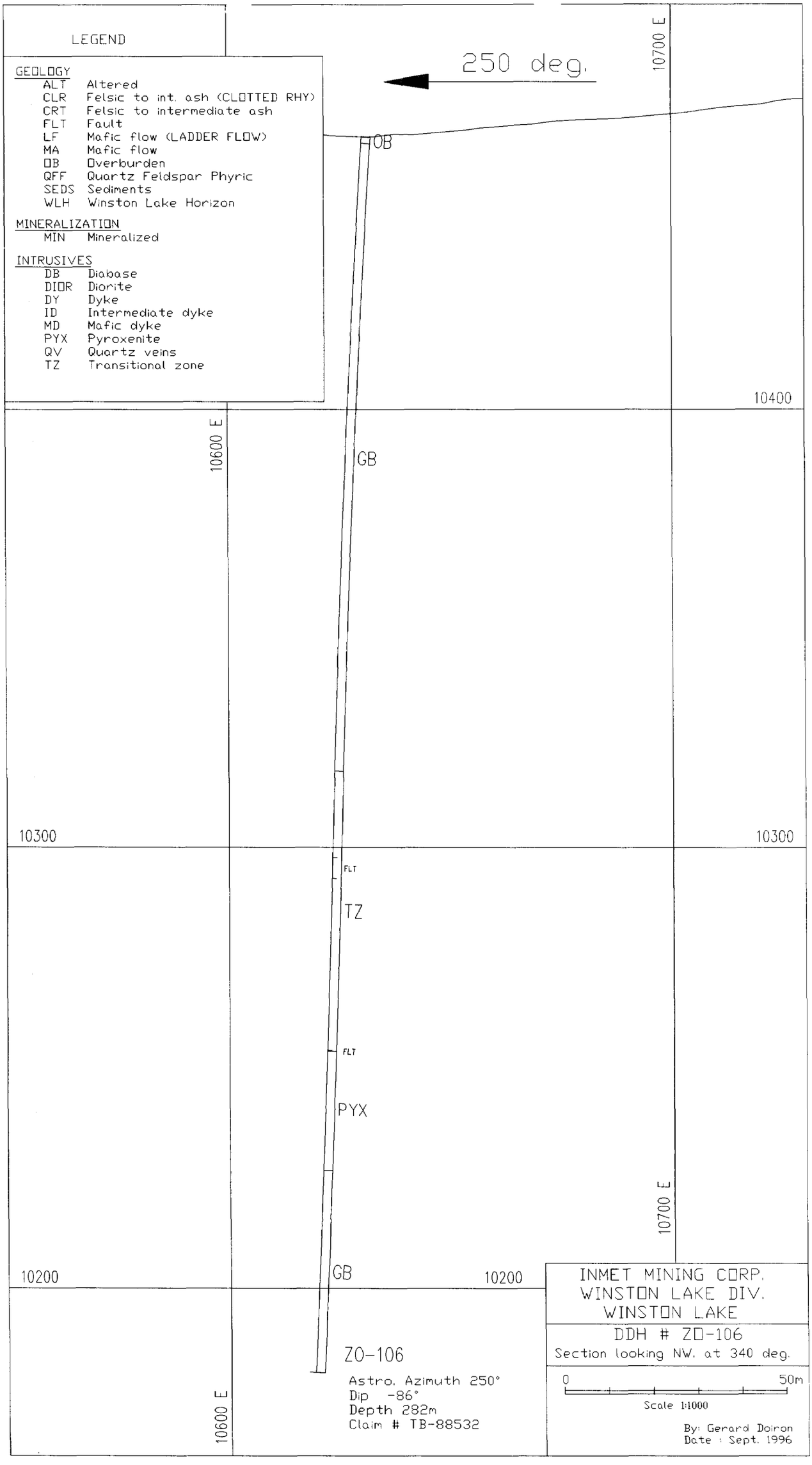
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE

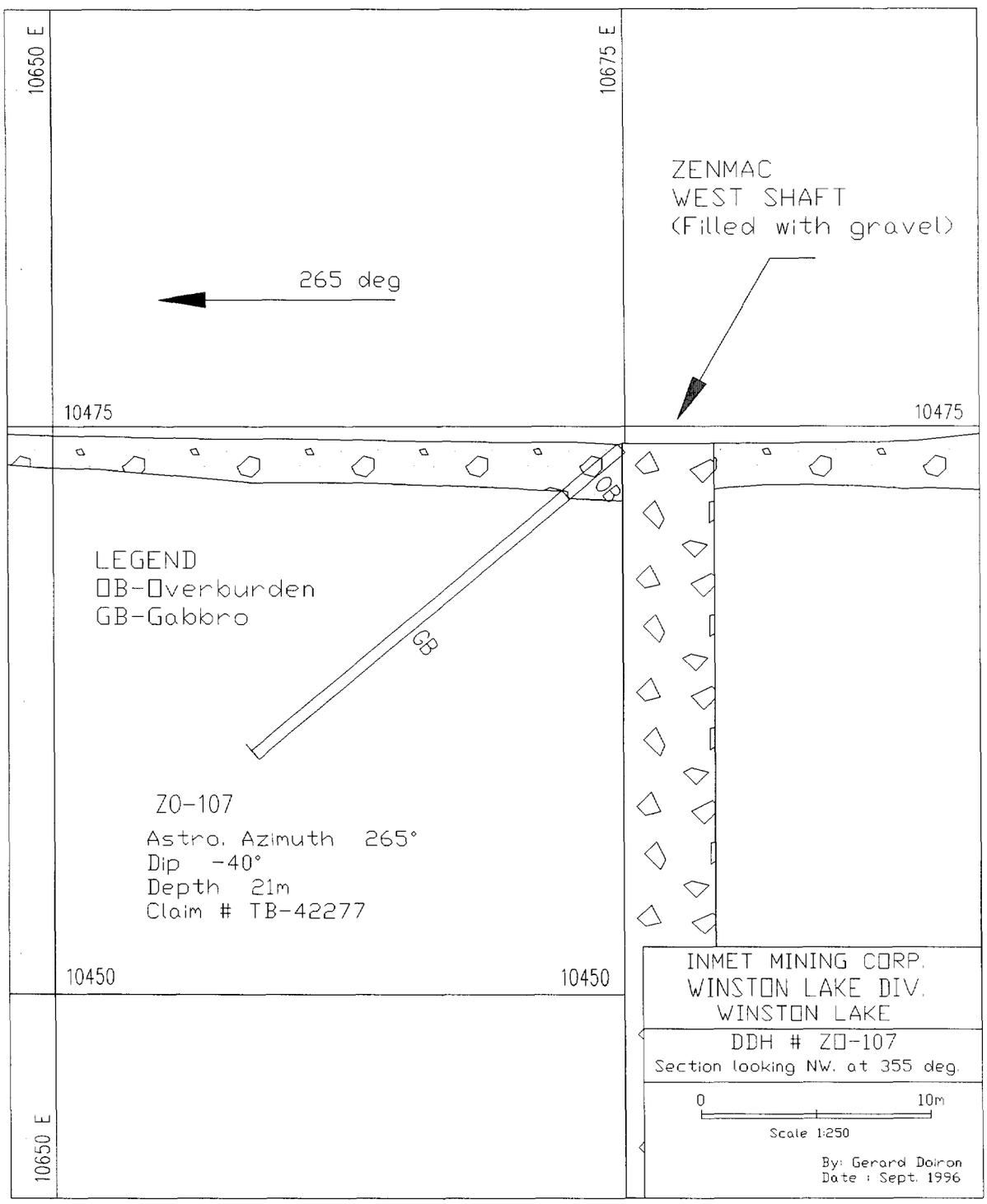
DDH # ZO-103
Was not drilled

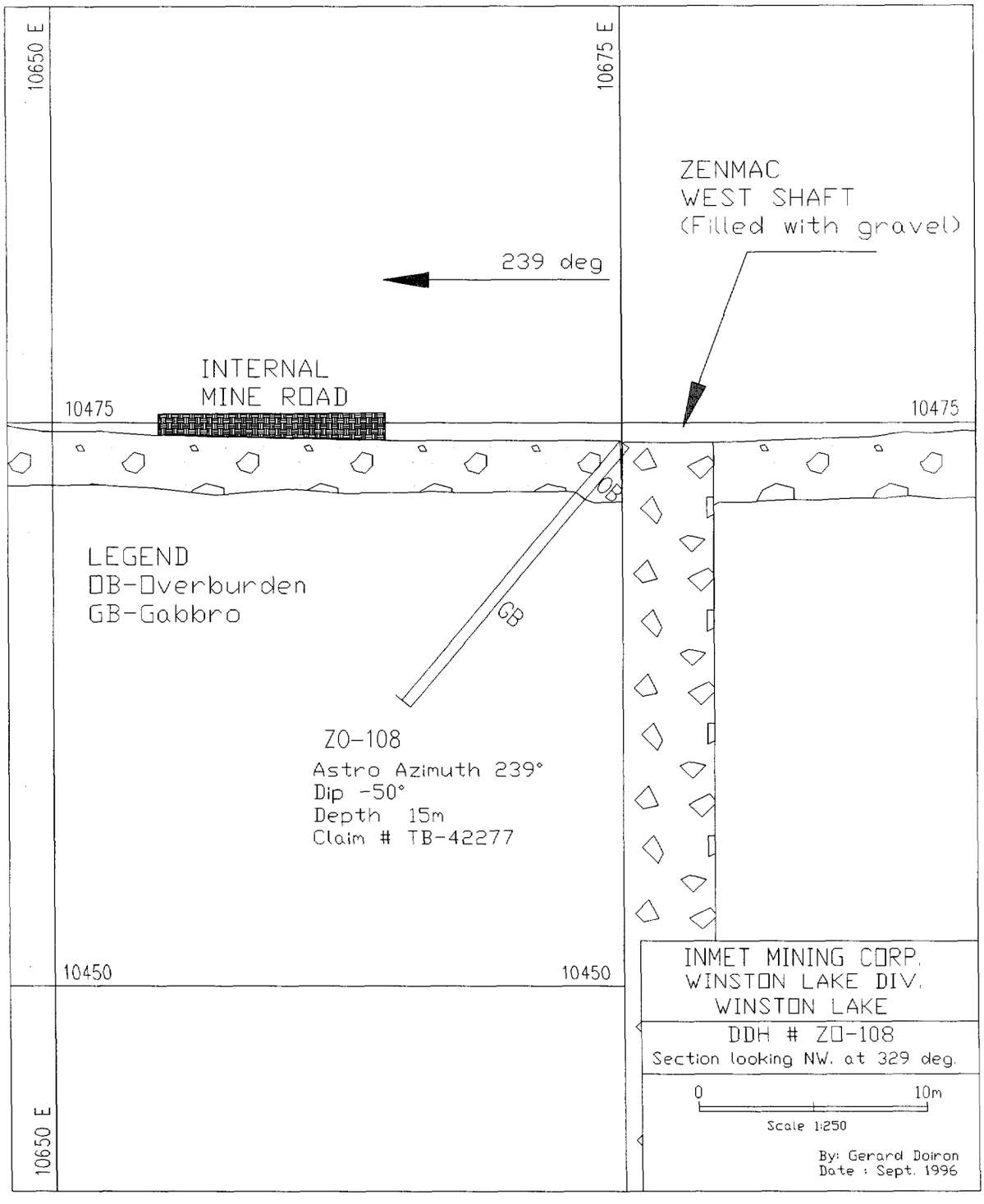
By: Gerard Doiron
Date : Sept. 1996

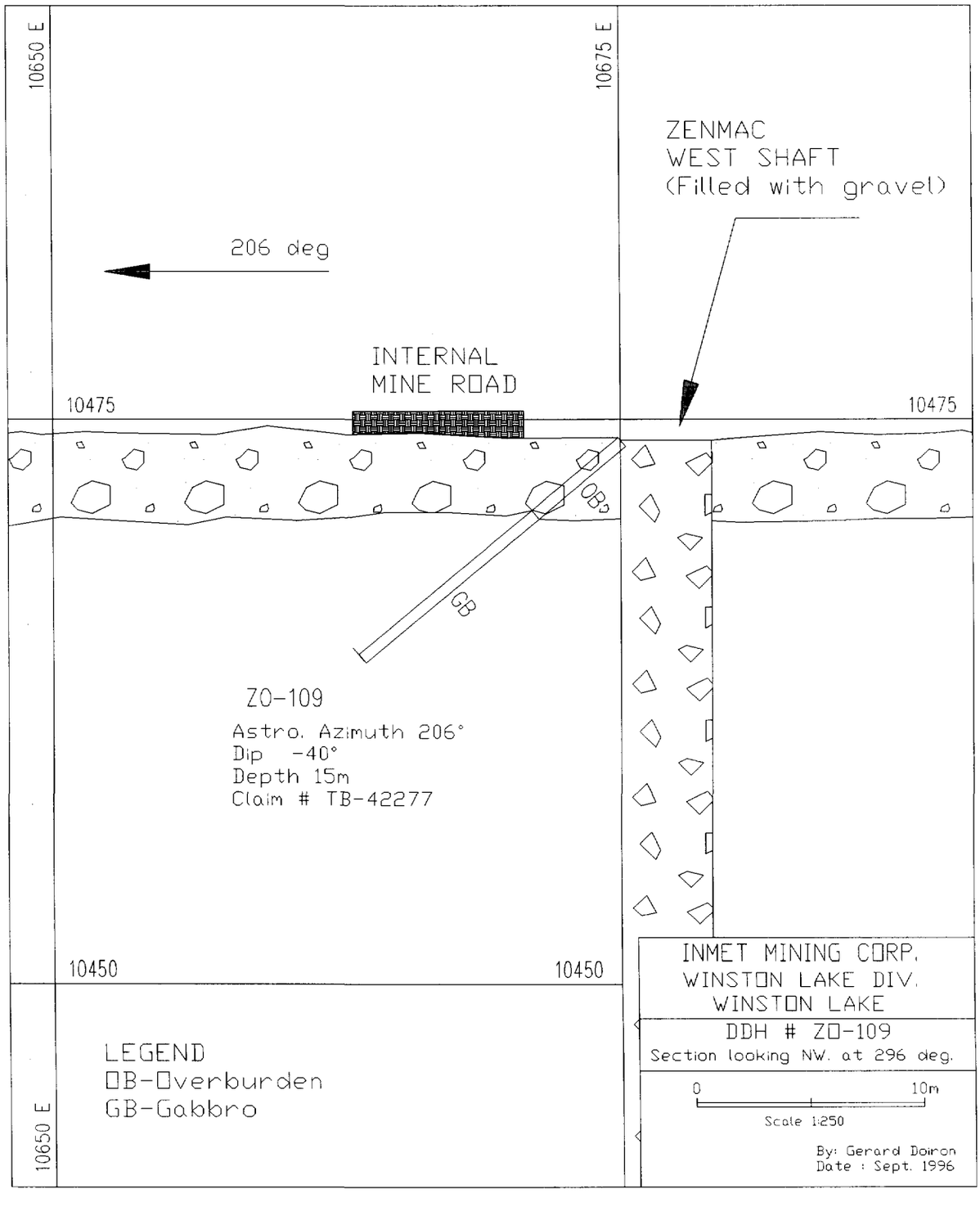

LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
10600 E
250 deg.
OB
10400
GB
10300
10300
TZ
PYX
FLT-SHEAR
GB
ZO-104
10200
Astro Azimuth 250°
Dip -87°
Depth 265m
Claim # TB-88532
10200
10600 E
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-104
Section looking NW. at 340 deg.
0
50m
Scale 1:1000
By: Gerard Doiron
Date : Sept. 1996

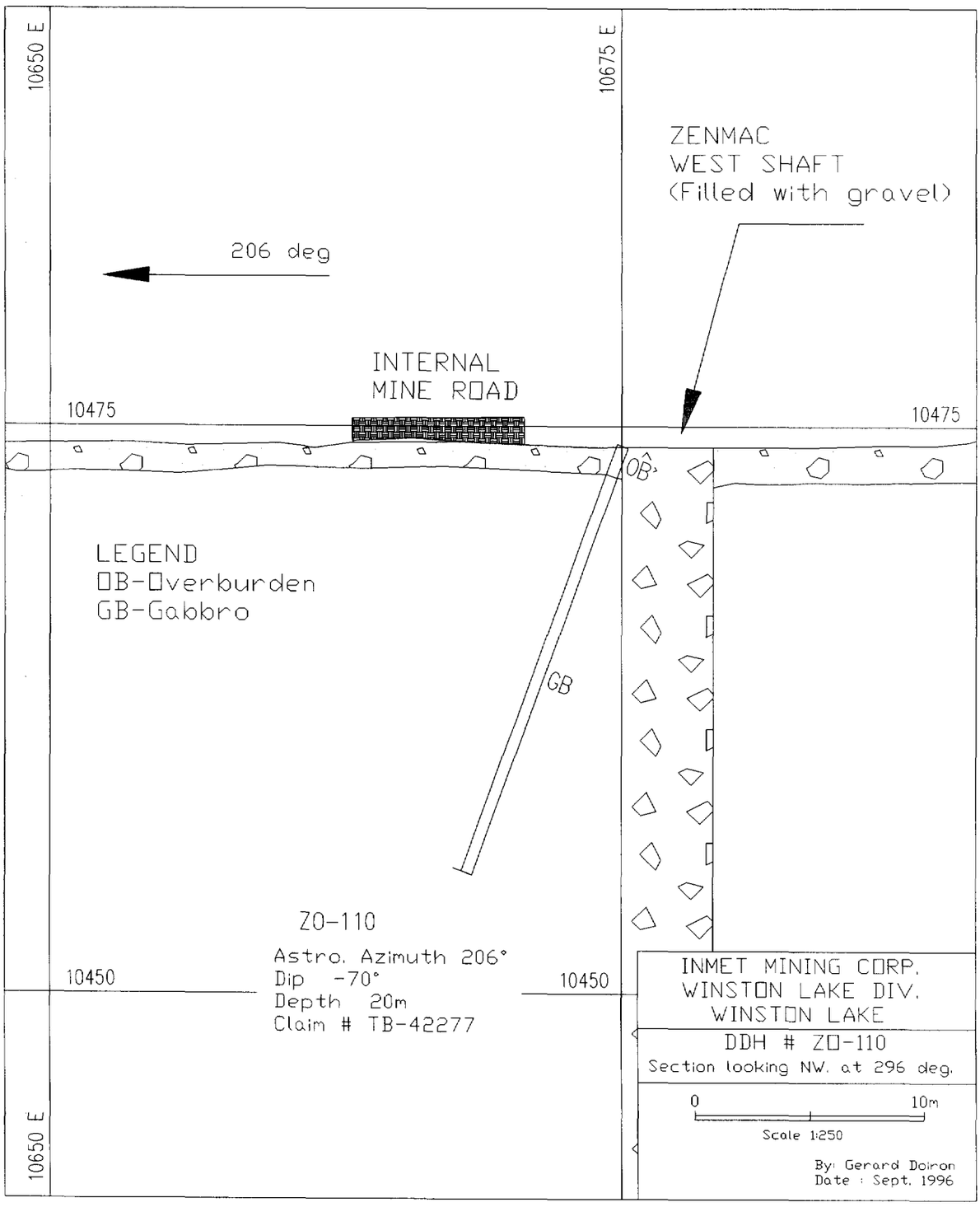

LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
10800 E
250 deg.
OB
10400
GB
MD FLT
10200
10200
TZ
PYX
GB
ZO-105
Astro. Azimuth 250°
Dip -87°
Depth 339m
Claim # TB-42278
10800 E
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-105
Section looking NW. at 340 deg.
0
50m
Scale 1:2000
By: Gerard Doiron
Date : Sept. 1996


LEGEND
GEOLOGY
ALT Altered
CLR Felsic to int. ash (CLOTTED RHY)
CRT Felsic to intermediate ash
FLT Fault
LF Mafic flow (LADDER FLOW)
MA Mafic flow
OB Overburden
QFF Quartz Feldspar Phyric
SEDS Sediments
WLH Winston Lake Horizon
MINERALIZATION
MIN Mineralized
INTRUSIVES
DB Diabase
DIOR Diorite
DY Dyke
ID Intermediate dyke
MD Mafic dyke
PYX Pyroxenite
QV Quartz veins
TZ Transitional zone
250 deg.
10700 E
OB
10400
10600 E
GB
10300
10300
FLT
TZ
FLT
PYX
10700 E
10200
GB
10200
10600 E
ZO-106
Astro. Azimuth 250°
Dip -86°
Depth 282m
Claim # TB-88532
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-106
Section looking NW. at 340 deg.
0
50m
Scale 1:1000
By: Gerard Doiron
Date : Sept. 1996


10650 E
10675 E
ZENMAC
WEST SHAFT
(Filled with gravel)
265 deg
10475
10475
OB
GB
LEGEND
OB-Overburden
GB-Gabbro
ZO-107
Astro. Azimuth 265°
Dip -40°
Depth 21m
Claim # TB-42277
10450
10450
10650 E
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-107
Section looking NW. at 355 deg.
0
10m
Scale 1:250
By: Gerard Doiron
Date : Sept. 1996


10650 E
10675 E
ZENMAC
WEST SHAFT
(Filled with gravel)
239 deg
INTERNAL
MINE ROAD
10475
10475
OB
GB
LEGEND
OB-Overburden
GB-Gabbro
ZO-108
Astro Azimuth 239°
Dip -50°
Depth 15m
Claim # TB-42277
10450
10450
10650 E
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-108
Section looking NW. at 329 deg.
0
10m
Scale 1:250
By: Gerard Doiron
Date : Sept. 1996


10650 E
10675 E
ZENMAC
WEST SHAFT
(Filled with gravel)
206 deg
INTERNAL
MINE ROAD
10475
10475
OB
GB
ZO-109
Astro. Azimuth 206°
Dip -40°
Depth 15m
Claim # TB-42277
10450
10450
10650 E
LEGEND
OB-Overburden
GB-Gabbro
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-109
Section looking NW. at 296 deg.
0
10m
Scale 1:250
By: Gerard Doiron
Date : Sept. 1996


10650 E
10675 E
ZENMAC
WEST SHAFT
(Filled with gravel)
206 deg
INTERNAL
MINE ROAD
10475
10475
OB
LEGEND
OB-Overburden
GB-Gabbro
GB
ZO-110
Astro. Azimuth 206°
Dip -70°
Depth 20m
Claim # TB-42277
10450
10450
INMET MINING CORP.
WINSTON LAKE DIV.
WINSTON LAKE
DDH # ZO-110
Section looking NW. at 296 deg.
0
10m
Scale 1:250
By: Gerard Doiron
Date : Sept. 1996
10650 E

HOLE NUMBER: WL-99

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: R-724
LOCATION: NORTH OF DRILL CAMP

PLOTTING COORDS GRID: WINSTON
NORTH: 10500.00N
EAST: 10092.00E
ELEV: 10475.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -69° 0' 0"
LENGTH OF THE HOLE: 417.00m
START DEPTH: 0.00m
FINAL DEPTH: 417.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: December 11, 1994
DATE COMPLETED: December 14, 1994
DATE LOGGED: December 16, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 4M
CORE STORAGE: CLEAVER LAKE

PURPOSE:

DIRECTIONAL DATA: 39m South and 233m West of Post #1 of Claim # R-724

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
42.00	-	-68° 0'	ACID	OK		-	-	-	-	-	
219.00	-	-66° 0'	ACID	OK		-	-	-	-	-	
15.00	240° 0'	-69° 0'	TRO-PARI	OK		-	-	-	-	-	
291.00	250° 0'	-65° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.50	«OB» OVERBURDEN					
3.50 TO 387.40	«GB» ZENITH GABBRO	Pale to medium green-grey and white (feldspar, 0-5-2mm), generally massive to locally foliated @. equicrystalline gabbro. - local 1% white leucoxene - local minor to 1% narrow quartzofeldspathic stingers.	60			Local rusty fractures to 27m -groundwater effects.
		32.2 - 32.9 f.gr. goliated MD @..... minor qtz, minor sulphides.	55		tr. 2% diss. py associated with qtz in MD	
		35.1 - 35.6 f.gr. MD @.....	55			
		53.0 - 55.0 blocky, fractures				
		57.0 - 90.0 f.gr - m.gr GB, grain size decrease				
		90.0 coarsens, m.gr - c.gr.				Different pulse of GB magma
		101.0-102.0 4, 3-5cm GR veins epidote-feldspar margins				
		122.7-126.0 f.gr. MD @.....	80			
		127.0-127.7 f.gr. MD @..... foliated	80			
		131.9-132.1 granitized K-spar (stain)				
		╢135.5-138.0╟ «FLT» carb-chlor-cp +/- sil seams, blocky				
		146.0 20cm ep, sil fabric @.....	75			
		147.2 epidote fabric @.....	75			
		╢150.4-152.2╟ «DB» @.....	65			
		152.2 finer grained phase of gabbro				f.gr. GB phase
		167.8-168.5 f.gr. MD @.....	65			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		c.gr. K-spar in adjacent GB.				
		181.0-185.0 transition zone GB 3-7% phlogopite				
		187.5 shear fracture (5cm) @.....	65			
		192.4-192.6 f.gr. MD				
		205.6-205.7 f.gr. MD with sheared contacts @... (3-5cm shear fractures)	70			
		211.0-214.5 f.gr. MD (pulses? multiple)				
		219.0-228.0 f.gr. GB phase				
		228.0-243.0 wispy fsp? SIL-CARB discontinuous stringers? @.....	50			
		243.0-285.0 foliation mod @.....	50			
		260.0-286.0 - 7, 3-7cm qvs with epidote and or k-staining - moderate to strong foliation with veins				
		286.0 coarsening - mgr - c.gr. from foliated finer grained GB				
		320.7-334.8 abundant narrow qtz - ep +/- carb stringers in c.gr. GB				
		╢334.8-342.3╟ «SHEAR» f.gr. MA with ID-dykes and 5.20cm chlor shears and local fault fracture and fault breccias.				
		╢349.0-350.9╟ «ID» f.gr.(@ contacts) to m.gr. porphyritic intermediate dyke (DIORITE and Intermediate dyke @.	75			
		╢361.6-361.8╟ «DIOR» possible volcanic xenolith?				DIOR or Volc xeno?

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		╡386.4-386.8╞ «MIN DIOR»				
387.40 TO 389.00	«ALT CLR» ALTERED CLOTTED RHYOLITE? INTERM ASH.	Pale to medium grey and brown, f.gr. granular bedded to foliated @..... intermediate ash. - 60% SILICA (qtz) - not clotted	40	10 - 20% BIO 10 - 20% CHLOR 5 - 10% CORD LOCAL ANTHORPH		Xeno?
389.00 TO 410.40	«GB SILL» GABBRO SILL	M.gr., med. green as above. ╡401.4-402.5╞ «DIOR» dykes and veins			389.7 4mm CPY stringer	
410.40 TO 411.40	«ALT LF» ALTERED LADDER FLOW? MAFIC	Medium to dark green and brown, f.gr., strongly foliated @..... strongly altered mafic - possibly ladder flow (LF)	30 to 60	Pervasive 20-60 Anthophyllite 10-30 Corierite 10-30 Biotite Minor Chlorite		
411.40 TO 417.00	«QFF» QUARTZ FELDSPAR PORPHYRITIC RHYOLITE FLOW	Pale grey to nearly white aphanitic to fine grained feldspar and quartz porphyritic rhyolite - feldspars ghosty due to alteration - 3-7% 1mm grey to clear qtz phenos - four, 5-10cm milky quartz veines. 417.0 EOH		weak to strong alteration - silumanite at contact - 10 - 30% sericite		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS
	0.00	0.00	0.00																	

MINNOVA INC.

HOLE NUMBER: WL-100 DRILL HOLE RECORD IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 11986.50N
EAST: 9005.70E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 33.00m
START DEPTH: 0.00m
FINAL DEPTH: 33.00m

COLLAR GRID AZIMUTH: 273° 0' 0" COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 7, 1994
DATE COMPLETED: December 7, 1994
DATE LOGGED: December 8, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3m
CORE STORAGE: CLEAVER LAKE

PURPOSE: Designed to test the zinc-rich cherty Ciglen horizon at the Ciglen syn-fault.

DIRECTIONAL DATA: CIGLEN GRID ; 950N ; 1040E ; AZ 270° WEST 70m South 113m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
33.00	238° 0'	-90° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	«OB» OVERBURDEN					
3.00 TO 16.40	«CCLR» LAMINATED FELSIC ASH TUFF	Pale and medium to dark grey, laminated, aphamitic to fine grain felsic to intermed. ash tuff; laminated at.....	40	Local strong to intense zones of mafic Alt. -Chlor-bio-Cord sheared?	No SPHAL	CCLR = CIGLEN CLOTTED RHYOLITE
		10.0 sheared BWA zone at.....	40			
		12.0 intense Alt. zone.				
16.40 TO 19.50	«SHEAR ALT-MD» SHEARED ALTERED CCLR WITH DYKES	Dark green to brown, foliated, altered, f.g.v., mafic-int. CCLR; sheared at.....	40	Bio-Cord shear.		
		‡18.0 - 19.5‡ «MD»				
19.50 TO 24.00	«GARN SEDS» GARNETIFERO US WACKES?	Pale to med. grey and pink and white garnet-silica altered sediments.		Garn.-Sil disease locally.		
		23.0 -23.9 MD at.....	45			
24.00 TO 33.00	«ALT CLR» ALTERED TUFF/ASH	Similar to above with mod. to strong alteration.		Mod. - strong Bio-Cord "BWA" (brickwork alteration)	No SPHAL	
		33.0M EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS
	0.00	0.00	0.00															

MINNOVA INC.

HOLE NUMBER: WL-101 DRILL HOLE RECORD IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 11986.50N
EAST: 9005.70E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -44° 0' 0"
LENGTH OF THE HOLE: 36.00m
START DEPTH: 0.00m
FINAL DEPTH: 36.00m

COLLAR GRID AZIMUTH: 273° 0' 0" COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 7, 1994
DATE COMPLETED: December 7, 1994
DATE LOGGED: December 8, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU
CASING: 6m
CORE STORAGE: CLEAVER

PURPOSE: Same as WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 950N ; 1040E ; AZ. 270° WEST 70m South 113m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
36.00	260° 0'	-46° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.70	«OB» OVERBURDEN					
5.70 TO 14.70	«CCLR» FELSIC INTERMEDIAT E ASH/TUFF	Pale med. grey, laminated aphm - f.g.v, felsic-interm. ash tuff. Local K-metasomatism due to proximity of GR dykes to south. 4.5 - 4.9 MD 14.3 - 14.6 MD				CCLR = CIGLEN CLOTTED RHYOLITE
14.70 TO 18.00	«ALT GARN S EDS» ALTERED GARNETIFERO US SEDS	Med.pdark grey brown, pink and white garn-sil altered f.g.v., porphyroblastic strongly BWA altered sediments.				
18.00 TO 19.30	«FLT ID-fsp» FAULT INT. DYKE	Blocky seds, qvs, K-stain Fe stain FAULT- INTERMEDIATE DYKE (FELDSPAR PORPHYRIC) 18.8 - 19.3 ID- fsp at.....	60			
19.30 TO 36.00	«W ALT CCLR » WEAKLY ALTERED FELSIC TO INTERMEDIAT E ASH/TUFF	Similar to above increased BWA. 31.3 - 36.0 CRT zones. 5 - 25cm chert zones. 36.0 EOH		Mod. to strong BWA zones of BIO-CORD 5 - 30cm zone 0.3 - 1.0m apart of 50 - 80% Bio.; 10 - 20% Cord.;	No sphalerite	

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

HOLE NUMBER: WL-102

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12011.70N
EAST: 9003.10E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 27.00m
START DEPTH: 0.00m
FINAL DEPTH: 27.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 8, 1994
DATE COMPLETED: December 8, 1994
DATE LOGGED: December 9, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3m
CORE STORAGE: CLEAVER

PURPOSE: Same as WL- 100

DIRECTIONAL DATA: CIGLEN GRID - 975N ; 1036E ; AZ 270° WEST 45m South 107m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
27.00	226° 0'	-88° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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M. Bliss

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.20	«OB» OVERBURDEN					
3.20 TO 15.00	«ALT CCLR» ALTERED FELSIC TO INTERMEDIAT E ASH	Pale- med. grey, aph-f.gr., laminated fels-int. ash tuff at..... Local dark clots vocani clastic? ╣11.5 - 15.0╠ INTENSE «ALT/SHEARED 50°» AT.....	50 50	Weak to mod. Bio Alt. Local Bio-chlor-cord zone over 5 - 10cm shears. (BWA) BWA = BRICK WORK ALTERATION		CCLR = CIGLEN CLOTTED RHYOLITE
15.00 TO 20.00	«GARN SEDS» GARNET ALTERED SEDIMENTS	Med. dark grey, f.gr., granular, garnet porphyroblastic locally foliated int. sediments. 17.7 - 18.0 MD at.....	60	10 - 20% garnet minor silica. Local disease alt.		
20.00 TO 27.00	«ALT CCLR» ALTERED FELSIC TO INTERMEDIAT E ASH	Similar to above no shears local chrety zones ╣26.0 - 27.0╠ «CRT» Bedded silica-bio.; 27.0 M EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.
DRILL HOLE RECORD

HOLE NUMBER: WL-103 | IMPERIAL UNITS: | METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12011.70N
EAST: 9003.10E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -35° 0' 0"
LENGTH OF THE HOLE: 25.00m
START DEPTH: 0.00m
FINAL DEPTH: 25.00m

COLLAR GRID AZIMUTH: 273° 0' 0" | COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 8, 1994
DATE COMPLETED: December 8, 1994
DATE LOGGED: December 9, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 12m
CORE STORAGE: CLEAVER LAKE

PURPOSE: Same as WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 975N ; 1036E ; AZ 270° WSET 45m South 107m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
25.00	255° 0'	-36° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 12.70	«OB» OVERBURDEN					
12.70 TO 19.30	«GARN SEDS» GARNET-SILICA ALTERED SEDIMENTS	Med. grey, pinnk and white to pale grey, garnet porph. int. sediments. 18.0 - 18.3 MD		Mod. - strong garn-sil disease alt.		
19.30 TO 25.00	«ALT CCLR» BIO-ALTERED FELSIC TO INTERM ASH/TUFF	Pale-med. grey, aph-f.gr. laminated to clotted fels - int. ash at..... Locally clotted volcaniclastic? 25.0 M EOH	70	20 - 50% bio pervasive local BWA. BWA = BRICK WORK ALTERATION PATTERN		CCLR = CIGLEN CLOTTED RHYOLITE

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12036.80N
EAST: 9001.50E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 35.00m
START DEPTH: 0.00m
FINAL DEPTH: 35.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 8, 1994
DATE COMPLETED: December 8, 1994
DATE LOGGED: December 10, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6m
CORE STORAGE: CLEAVER

PURPOSE: Same as WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 1000N ; 1033E; AZ 270° WEST   21m South 100m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
35.00	265° 0'	-86° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.00	«OB» OVERBURDEN					
5.00 TO 11.00	«GB» GABBRO	Medium green-grey-blue, M.gr. feldspar 20%, mod. foliated gabbro sill.;				
11.00 TO 13.90	«PYX» ULTRAMFIC PHASE GABBRO	medium blue-green f.gr. massive to foliated soft ultramafic base of gabbro sill.				
13.90 TO 35.00	«CCLR» LAMINATED FELSIC TUFF/ASH CIGLEN CLOTTED RHYOLITE	Pale grey and dark grey-green to black aphamitic to f.gr., laminated felsic (to intermed.) tuff and ash with local sediment component. Laminated at.....	65	Very minor garnet with 10-30cm sediment zones. Local bio-cord rich zones 5 - 10cm (BWA). BWA = BRICK WORK ALTERATION PATTERN	NIL	
		Metasomatism - K-sil local fractur fill and in BWA zones. 21. - 21.4 MD 25. 1 15cm MD 33.7 - 34.3 GR Dyke 35.0 M EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.

HOLE NUMBER: WL-105 | DRILL HOLE RECORD | IMPERIAL UNITS: | METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386798
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12036.80N
EAST: 9001.50E
ELEV: 10417.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -44° 0' 0"
LENGTH OF THE HOLE: 39.00m
START DEPTH: 0.00m
FINAL DEPTH: 39.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 8, 1994
DATE COMPLETED: December 9, 1994
DATE LOGGED: December 11, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6m
CORE STORAGE: CLEAVER

PURPOSE: Same as WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 1000N ; 1033E; AZ 270° WEST 21m South 100m East of Post #4 of Claim #TB-386798

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
39.00	264° 0'	-45° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.60	«OB» OVERBURDEN					
5.60 TO 11.40	«GB» GABBRO	Medium dark green-grey and white, Med grained, equicrystalline gabbro. weakly foliated	75			
11.40 TO 16.00	«GARN SEDS» GARNET SILICOUS ALTERED SEDIMENTS	Med grey, f.g. bedded, garn. - sil altered sediments		Weak-mod. garnet silic altered		
16.00 TO 39.00	«ALT CCLR/CRT» ALTERED FELSIC TO INTERMEDIATE ASH	Pale medium grey, aphanitic f.gr., laminated felsic to intermediate ash tuff. Lamination at ..... Local shear (BWA) Brick work type altertion-and quartz. ╣18.0-19.5╠ «SHEAR QTZ FLT» ╣28.6-34.0╠ «CRT ZONES» Silica rich zones 39.0 M EOH	75	Local intense 10 to 30cm zones of 80% bio 10-20% cord. BWA = BRICK WORK TYPE ALTERATION		

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.

HOLE NUMBER: WL-106 DRILL HOLE RECORD IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386804
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12062.10N
EAST: 8994.90E
ELEV: 10416.50

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 30.00m
START DEPTH: 0.00m
FINAL DEPTH: 30.00m

COLLAR GRID AZIMUTH: 273° 0' 0" COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 9, 1994
DATE COMPLETED: December 10, 1994
DATE LOGGED: December 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3m
CORE STORAGE: CLEAVER

PURPOSE: Same as WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 1025N ; 1025E ; AZ 270° WEST 2m North 138m West of Post #2 of Claim # TB-386804

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
30.00	254° 0'	-89° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.50	«OB» OVERBURDEN					
3.50 TO 5.80	«GARN SEDS» GARNET SILICA ALTERED SEDIMENTS	Pale dark grey and pink , f.g. porphyroblastics garnet silica altered intermediate sediments. Bedded at	 45	Strong silica garnet altered 10-20% garnet 20-40% biotite		
5.80 TO 11.80	«ALT CCLR» ALTERED FELSIC TO INTERMEDIAT E ASH	pale med. grey, aphanitic, f.g laminated felsic to intermediate ash tuff - local intense chloritic, biotite altered shear @.. ╣6.2-6.5╠ «FLT 45°» ╣6.7-7.0╠ «FLT» ╣10-11.5╠ «FLT» Quartz shear	45	 Fault has 98% bio, and chl.		
11.80 TO 18.20	«GARN SEDS» GARNET SILICA ALTERED SEDIMENTD	Sediments similar to above ╣12.5-13.2╠ «SPH MIN» 15.9-20m Mafic dykes,quartz veines 10-50 cm wide			Py stringers, wispy and dissaminated honey sphalerite.	Honey sphalerite
18.20 TO 30.00	«ALT CCLR» ALTERED FELSIC TO INTERMEDIAT E ASH	Ash tuff Mafic dykes, quartz veines 10-50cm wide continue to a depth of 20m , the continuation from above. 24.2-24.4m Granitic dyke 26.0-26.3m Mafic dyke ╣26.4-27.0╠ «CRT» SILICA RICH TUFF AT ..... ╣28.4-28.8╠ «CRT» SILICA RICH TUFF AT ..... 30.0 M EOH	 40 40			

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.

HOLE NUMBER: WL-107 | DRILL HOLE RECORD | IMPERIAL UNITS: | METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386804
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12062.10N
EAST: 8994.90E
ELEV: 10416.50

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -35° 0' 0"
LENGTH OF THE HOLE: 30.00m
START DEPTH: 0.00m
FINAL DEPTH: 30.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 9, 1994
DATE COMPLETED: December 9, 1994
DATE LOGGED: December 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3m
CORE STORAGE: CLEAVER

PURPOSE: SAME AS WL- 100

DIRECTIONAL DATA: CIGLEN GRID - 1025N ; 1025E ; AZ 270° WEST   2m North 138m West of Post #2 of Claim # TB-386804

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
30.00	265° 0'	-33° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.80	«OB» OVERBURDEN					
3.80 TO 17.00	«W ALT GARN SEDS» WEAKLY ALTERED GARNET SILICA SEDIMENTS	Medium dark grey and pink, f.g. porphyroblastics (garnet rich) intermediate sediments; Shears at ..... 7.5-8.4 Mafic dyke 8.8-9.2 Mafic dyke and quartz veines 16.5-17.0 Mafic dykes	70	Strong alteration chloritic, biotite shears (100% mica) 10-30cm Strong silica garnet alteration	Iron stained fractures (ground water)	
17.00 TO 30.00	«ALT CCLR» ALTERED FELSIC TUFF "CIGLEN CLOTTED RHYOLITE"	Pale med. grey and dark grey , laminae, aphanitic to f.g.,felsic tuff toash. Altered Laminated at ..... 20.7m 7cm Granitic vein ╢28.7-29.1╟ «CRT» Laminated cherty zone 30.0 m EOH	65	Strong biotite cord. alteration pervasive with intense zones as BWA (BRICK WORK ALTERATION TYPE 20-80% Bio. 5-20% Cord.		

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386804
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12086.30N
EAST: 9011.30E
ELEV: 10416.50

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -90° 0' 0"
LENGTH OF THE HOLE: 35.00m
START DEPTH: 0.00m
FINAL DEPTH: 35.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 10, 1994
DATE COMPLETED: December 10, 1994
DATE LOGGED: December 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3m
CORE STORAGE: CLEAVER

PURPOSE: SAME AS WL-100

DIRECTIONAL DATA: CIGLEN GRID - 1050N ; 1040E ; AZ 270° WEST 29m North 127m West of Post #2 of Claim #TB-386804

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
35.00	264° 0'	-86° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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-	-	-	-	-		-	-	-	-	-	
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M. Bliss.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.10	«OB» OVERBURDEN					
3.10 TO 7.70	«W ALT CCLR » WEAKLY ALTERED FELSIC TO INTERMEDIAT E ASH	Pale med.grey and white and dark grey laminated aphanitic, f.g. felsic to intermediate ash / tuff at ..... 5.7-6.7 mafic dyke	45	Weakto moderate biotite alteration 20-25% silica, K-spar-epidote Local (BWA) BRICK WORK ALTERATION/ shear	Trace to 2% disseminated wispy pyrite	
7.70 TO 18.10	«GARN SIL A LT SEDS» GARNET SILICA ALTERED SEDIMENTS	Medium dark grey and pink and white, Foliated and bedded intermediate silica garnet altered sedimends. 12.2m 12cm Quartz vein 14.4m 12cm Quartz vein with epidote (pegmatitic)		Moderate to strong silica garnet alteration, silic halos around the garnet grains.	Trace to 2% dissaminated wispy pyrite	
18.10 TO 35.00	«ALT CCLR/C LR» ALTERED FELSIC TO INTERMEDIAT E ASH	Similar to "CCLR" CIGLEN CLOTTED RHYOLITE as above Has increased alteration, biotite , therefore it is darker. ╢22.0-24.9╟ «CRT» Tuffaceous 25.0-35.0m CRT-CCLR Silica rich 35.0m EOH		Moderate to strong biotite cord. alteration (BWA) BRICK WORK ALTERATION with 10-30cm zones of up to 60-80% Bio. 10-20% Cord.	CRT has lots of biotite and silica alteration	

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CIGLEN
PROJECT NUMBER: #160
CLAIM NUMBER: TB-386804
LOCATION: CIGLEN SHOWING

PLOTTING COORDS GRID: WINSTON
NORTH: 12086.30N
EAST: 9011.30E
ELEV: 10416.50

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -44° 0' 0"
LENGTH OF THE HOLE: 35.00m
START DEPTH: 0.00m
FINAL DEPTH: 35.00m

COLLAR GRID AZIMUTH: 273° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

DATE STARTED: December 10, 1994
DATE COMPLETED: December 10, 1994
DATE LOGGED: December 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6m
CORE STORAGE: CLEAVER

PURPOSE: SAME AS WL - 100

DIRECTIONAL DATA: CIGLEN GRID - 1050N ; 1040E ; AZ 270° WEST 29m North 127m West of Post #2 of Claim #TB-386804

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
34.00	280° 0'	-49° 0'	TRO-PARI	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.50	«OB» OVERBURDEN					
6.50 TO 17.60	«GARN SIL SEDS» GARNET SILICA ALTERED SEDIMENTS	Silica garnet altered, banding @	80	Silica garnet alteration	3-5% Stringer pyrite.	
		6.8-7.1m sheared mafic dyke	45			
		11.3-12.0m quartz veining and mafic dyke @	75			
		╢12.8-13.0╟ «MIN SEDS»				
		15.6m Crenulation offset, fault seams				
17.60 TO 35.00	«CCLR» FELSIC TO INTERMEDIATE ASH "CIGLEN CLOTTED RHYOLITE"	19.3-19.4m Mafic dyke @	70			
		21.3-21.6 Mafic dyke @	70			
		╢21.0-21.3╟ «CRT @ 70°»		Moderate (BWA) BRICK WORK ALTERATION 5-15cm zones every 1.5-3m		
		23.7m 10cm granitic vein				
		27.6m 10cm Mafic dyke				
		╢28.7-35.0╟ «CCLR-CRT» Felsic to int. ash				
		╢33.1-33.5╟ «GR» Granitic dyke				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS
	0.00	0.00	0.00															

HOLE NUMBER: ZO-100

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: R-722, R-721, TB-42156
LOCATION: 100M SOUTH OF ZO-63

PLOTTING COORDS GRID: WINSTON
NORTH: 9300.00N
EAST: 10540.00E
ELEV: 10471.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -72° 0' 0"
LENGTH OF THE HOLE: 733.00m
START DEPTH: 0.00m
FINAL DEPTH: 733.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: October 26, 1994
DATE COMPLETED: November 8, 1994
DATE LOGGED: November 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: YES
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6M
CORE STORAGE: CLEAVER LAKE

PURPOSE: DESIGN TO TEST DOWN PLUNGE (100M SOUTH) OF ZO-63 WITHIN THE WINSTON SULPHIDE SHEET.

DIRECTIONAL DATA: 332m South 36m East of Post #4 of Claim # R-722

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
6.00	-	-71°30'	ACID	OK	
30.00	-	-71° 0'	ACID	OK	
60.00	-	-71° 0'	ACID	OK	
90.00	-	-70° 0'	ACID	OK	
147.00	-	-69°30'	ACID	OK	
193.00	-	-70° 0'	ACID	OK	
237.00	-	-69° 0'	ACID	OK	
300.00	-	-68° 0'	ACID	OK	
360.00	-	-67° 0'	ACID	OK	
399.00	-	-66°30'	ACID	OK	
459.00	-	-65° 0'	ACID	OK	
510.00	-	-65° 0'	ACID	OK	
567.00	-	-63° 0'	ACID	OK	
603.00	-	-63° 0'	ACID	OK	
660.00	-	-63° 0'	ACID	OK	
711.00	-	-63° 0'	ACID	OK	
10.00	253° 0'	-71° 0'	MULTISHOT	OK	
70.00	241° 0'	-70° 0'	MULTISHOT	OK	
130.00	241° 0'	-70° 0'	MULTISHOT	OK	
190.00	242° 0'	-70° 0'	MULTISHOT	OK	
250.00	243° 0'	-69° 0'	MULTISHOT	OK	
310.00	240° 0'	-68° 0'	MULTISHOT	OK	
370.00	239° 0'	-65° 0'	MULTISHOT	OK	
430.00	239° 0'	-66° 0'	MULTISHOT	OK	
490.00	239° 0'	-65° 0'	MULTISHOT	OK	
547.00	244° 0'	-64°30'	MULTISHOT	OK	
610.00	240° 0'	-64° 0'	MULTISHOT	OK	
670.00	240° 0'	-63° 0'	MULTISHOT	OK	
730.00	240° 0'	-62° 0'	MULTISHOT	OK	
15.00	249° 0'	-71° 0'	TROPARI		
39.00	251° 0'	-71° 0'	TROPARI		
69.00	242° 0'	-71° 0'	TROPARI		
90.00	231° 0'	-70° 0'	TROPARI		
156.00	239° 0'	-71° 0'	TROPARI		
237.00	234° 0'	-70° 0'	TROPARI		
500.00	234° 0'	-65° 0'	TROPARI		
607.00	232° 0'	-64° 0'	TROPARI		
610.00	206° 0'	-58° 0'	TROPARI		
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE		ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.90	«O/B» OVERBURDEN						
3.90 TO 33.00	«GB» GABBRO	Medium grained, generally massive, med green with white feldspar crystals, Mafic intrusive					
		7.0-11.0	f.g MD @.....	45			
		21.4	30cm MD				
		27.4	Granitic vein 25 cm @.....	40			Tropari @ 15m not magnetic (ok)
33.00 TO 57.00	«GB/TZ» GRADED GABBRO TRANSITION ZONE	Locally phlogopitic, paler, somewhat felted gabbro (similar to transition zone gabbro between gabbro proper and pyroxenite)					
		39.9 - 42.5	Shear zone intense shear fol. & shear fracture with Qtz filled stringers.				
		51.0 - 54.4					
		51.0 - 51.7	Pegmatitic or Mamatitic Qtzzo feldspatitic flooding & crystal growth 1-2cm feldspar crystals (buff to pink) in poorly defined veins				Tropari @ 39m not magnetic (ok)
		54.4 - 56.5	TZ				
		56.5 - 57.0	GB/TZ				
57.00 TO 63.00	«GB» GABBRO	As above					
		60.5 - 63.0	Shear bounded f.g. Mafic Dyke				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
63.00 TO 71.60	«TZ» TRANSITION ZONE MIX	Phlogopitic & weekly magnetic, Med. grey-green, felty texture "air brushed GB-Px Cross".				Tropari @ 69m magnetic
71.60 TO 75.80	«FLT» SHEAR ZONE	Intense shear fol & Qtz filled shear fractures several 2-20cm Flt gouges				Missing core 73.4 25cm 74.4 30cm
75.80 TO 103.00	«PX» BASAL PYROXENITE PHASE	f.g. to ????? med. g. dark blue green, magnetic soft ultramafic Shearing throughout - ╢78.2-80.0╟ «MD» Lamprophyre dyke @ ..... ╢80.0-82.0╟ «MD» Diabase dyke @ ..... ╢92.5-97.0╟ «FLT» Sil-Ep-Chlor filled fractures	 50 25			Magnetic Tropari @ 90
103.00 TO 132.10	«GB» ZENITH GABBRO	Similar to above 3-5 1 1cm Qtz filled stringers at various angles				
132.10 TO 157.20	«PX» BASAL PROXENITE PHASE	Similar to above Diabase? dyke @ lower contact @.....	 50			Magnetic
157.20 TO 314.00	«GB» ZENITH GABBRO	Similar to above - minor pink K (potassium) staining (K-feldspars?) - mafic dykes (MD) with assoc. EP-SIL-K stringers 168-7 - 170.0 MD f.g. A ctcs contorted foliated contact				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		(drag folding?) 184.4 - 185.0 MD abundant SIL-EP-K stringer to 187.0 208.0 - 208.3 MD - Mafic Dyke ╢245.0 - 248.0╟ «FLT» Qtz filled fractures chlorite rich shear fractures 285.5 - 259.0 Ep stringers/veinlets				
314.00 TO 361.00	«GB» Gabbro	Similar but... - f.g. - TR-1% white dusty mineral (illminite) - weakly to mod. magnetic ╢329.0 - 332.5╟ «FLT» Qtz filled fault fractures Weakly T. Moderately magnetic fine grained phase of Zenith Gabbro.				
361.00 TO 535.30	«GB» ZENITH GABBRO	Typical GB - weakly magnetic @ 372.0 382.0 - MDs @ 400.6-401.0 @..... 402.4-402.6 @..... ╢411.3-413.0╟ «MD» DIABASE Magnetic ctc's..... 420.0-420.4 Silicified - Migmatitic, Buff to pink veining 426.0-428.9 MDs and shear fractures	70 65 70 to 90			Locally weakly magentic zones

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		╡428.9-433.0╞ «TZ» Phlocopitic GB 437.4-438.0 Diabase dyke @ ..... 513.0-534.0 Fractured with veining (Qtz) 517.7-519.3 MD 532.8-534.0 MD/DB	50 to 70			
535.30 TO 561.00	«GB» FINE GR. LOCALLY MAGNETIC PHASE OF GABBRO	Similar to previous f.g. GB. 535.3-547.0 Non magnetic 547.0- Local pyroxenite phases, weekly magnetic, local blue-green colour.				547.0-561.0 Magnetic
561.00 TO 629.00	«GB» ZENITH GABBRO	Increased abundance of leucoxene to 3-4% -GB m.g. - c.g. (1-5mm) local weak mangetism ╡609.0-629.0╞ «FLT» highly fractured -Chlorite along joint/fractures (<1mm) -Qtz filled fractures up to 1cm wide				
629.00 TO 650.00	«GB» FINE GRAINED TO MEDIUM GRAINED GABBRO	Similar to above -decreased leucoxene -finer grained -dark green to green blue ╡647.0-650.0╞ «FLT»				Local weak magnetism

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
650.00 TO 672.00	«GB» ZENITH GABBRO	Similar to previous GB -m.g. to c.g. 650.0-660.0 m.g. - c.g 660.0-672.0 mg. GB				Non magnetic
672.00 TO 678.00	«MIN GB» fg MINERALIZED FINE GRAIN GABBRO	f.g., weakly magnetic gabbro, with diss sulphides			2 - 3 % diss Py.	Weakly magnetic
678.00 TO 680.00	«CRT WLH» FELSK TO INT. ASH - WINSTON LAKE HORIZON	Aphanitic, pale and me. grey, laminated, cherty ash - Winston Lake Horizon laminated @..... 678.5-680.0 MD - with CRT Xenoliths - fault fractures with cm movement	85	Fresh Silicous	3.5% wispy py and po.; 2.5% diss & wispy Po on MD	Winston Lake Horizon
680.00 TO 681.40	«MIN CRT WLH» MINERALIZED FELSIC TO INT ASH OF WINSTON LAKE HORIZON	Aphanitic, silica-rich bedded to laminated, pale grey with grey-green clots & laminae, cherty ash. - Fractured, locally silicified?		Silicified? - along fractures and flooding	5-7% diss. and mostly wispy pyrrohotite - pyrite sphalerite in one 0.6cm bleb/ patch and along narrow joints (<0.5mm)	Mineralized Winston Lake Horizon TR Zn
681.40 TO 683.20	«CRT WLH» FELSIC TO INT. ASH WINSTON LAKE HORIZON	Similar to above - No Zn		Fresh - Demob. silica?	5-7% diss. wispy po-py Local bleb chalopyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
683.20 TO 692.10	«MIN MD» PYRRHOTITE MINERALIZED MAFIC DYKE	f.g., med. to dark green mafic dyke, contact @	80		5-7% diss. wispy and narrow discontinous stringer pyrrohotite and pyrite	
692.10 TO 696.50	«MIN CRT/CLR WLH» MINERALIZED CHERTY ASH "WLH"	Aphanitic, pale grey with grey-green clots and laminae, laminated to bedded and wispy to massive chert and ash. Fabric @..... - Sulphide mineralized - Local mafic ash zones (green)	75 80	Fresh	7-15% interstitial, wispy and stringer (network) pyrrhotite +/- py 1% bleb chalcopyrite	Pyrrhotite mineralized "Winston Lake Horizon" TR Cu
696.50 TO 699.50	«CRT/CLR» CHERTY ASH	Similar to above - Substantial sulphide decrease		Fresh	2-3% wispy & bleb & diss po-py.;	CRT & CLR
699.50 TO 703.90	«CLR» GOOD CLOTTED RHYOLITE FELSIC PYROCLASTIC	Aphanitic to f.g., pale grey and med. grey-green, clotted (rhyolite) felsic volcaniclastic (pyrocclastic) -5-10% cm-scallenticular mafic fiamme (clots) in rhyolite ground mass.		Fresh	2-3% wispy po-py., tr cp blebs.;	Good clotted rhyolite
703.90 TO 705.50	«MA/MD?» MAFIC FLOW OR DYKE	f.g., med., green, massive to banded mafic - aphyric				
705.50 TO 721.40	«QFF» QUARTZ FELDSPAR PHYRIC	f.g., med., grey & white felsic flow 10-15% 1-2mm feldspar phenos 1-3% tiny Qtz phenos		Fresh	2-3% wispy po.;	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
721.40 TO 722.00	«MIN CRT TU FF» MINERALIZED FELSIC TO INT. ASHY TUFF	Aphanitic, pale and med. grey, laminated chert and tuff. (felsic) Laminated @	75	Fresh	3-7% wispy and laminated po-py.;	
722.00 TO 733.00	«QFF» QUARTZ FELDPAR PHYRIC	As above 731.4-733.0 MA/MD? 733 EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS

HOLE NUMBER: ZO-101

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: R-721
LOCATION: 100M BELOW ZO-63

PLOTTING COORDS GRID: WINSTON
NORTH: 9402.00N
EAST: 10516.00E
ELEV: 10479.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -71° 0' 0"
LENGTH OF THE HOLE: 783.00m
START DEPTH: 0.00m
FINAL DEPTH: 783.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: November 18, 1994
DATE COMPLETED: November 29, 1994
DATE LOGGED: December 8, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: YES
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 2.5M
CORE STORAGE: CLEAVER

PURPOSE: DESIGNED TO TEST FOR +100,000 TONNE + 5% ZINC 400-700M SOUTH OF WINSTON MINE DEVELOPMENT -

DIRECTIONAL DATA: TEST AROUND DDH # ZO-63 236m South 7m West of Post #1 of Claim # R-721

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
30.00	-	-69°30'	ACID			-	-	-	-	-	
90.00	-	-70° 0'	ACID			-	-	-	-	-	
162.00	-	-68°30'	ACID			-	-	-	-	-	
229.00	-	-68° 0'	ACID			-	-	-	-	-	
276.00	-	-67° 0'	ACID			-	-	-	-	-	
336.00	-	-67° 0'	ACID			-	-	-	-	-	
402.00	-	-67° 0'	ACID			-	-	-	-	-	
462.00	-	-67° 0'	ACID			-	-	-	-	-	
510.00	-	-66° 0'	ACID			-	-	-	-	-	
555.00	-	-64°30'	ACID			-	-	-	-	-	
690.00	-	-63° 0'	ACID			-	-	-	-	-	
747.00	-	-63° 0'	ACID			-	-	-	-	-	
120.00	251° 0'	-69° 0'	MULTISHOT	OK		-	-	-	-	-	
180.00	250° 0'	-68°30'	MULTISHOT	OK		-	-	-	-	-	
240.00	250° 0'	-68° 0'	MULTISHOT	OK		-	-	-	-	-	
300.00	253° 0'	-67°30'	MULTISHOT	OK		-	-	-	-	-	
360.00	251° 0'	-67° 0'	MULTISHOT	OK		-	-	-	-	-	
420.00	252° 0'	-66° 0'	MULTISHOT	OK		-	-	-	-	-	
480.00	254° 0'	-66° 0'	MULTISHOT	OK		-	-	-	-	-	
540.00	254° 0'	-65° 0'	MULTISHOT	OK		-	-	-	-	-	
600.00	252° 0'	-64° 0'	MULTISHOT	OK		-	-	-	-	-	
660.00	251° 0'	-64° 0'	MULTISHOT	OK		-	-	-	-	-	
720.00	237° 0'	-64° 0'	MULTISHOT	OK		-	-	-	-	-	
780.00	250° 0'	-63° 0'	MULTISHOT	OK		-	-	-	-	-	
372.00	242° 0'	-69° 0'	TRO-PARI			-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 2.00	«OB» OVERBURDEN					
2.00 TO 20.00	«GB» ZENITH GABBRO					
20.00 TO 27.00	«TZ» TRANSITION ZONE PHASE					
27.00 TO 42.00	«PYZ» BASAL PYROXENITE PHASE					
42.00 TO 58.00	«GB» GABBRO	As above.				
58.00 TO 103.00	«PYX» PYROXENITE	61.0-69.0 Non-magnetic GB				Mod to strong magnetism
103.00 TO 236.50	«GB» ZENITH GABBRO	129.0-140.0 Qtz filled FLT Fractures (K-staining)				
236.50 TO 695.60	«GB» ZENITH GABBRO	245-277m 10-15% feld.; 277-288m dark 2-5% feld.; 288-320m 7-10% feld.; 2-4% pyx clots, 1-3mm.;		1-2% leucoxene		273-276.4m core blocky a bit due to fracturing at 5 deg to CA - tr hem staining on fracture planes

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		303.2m 1cm Qtz v.....	15			
		320-333m 10-15% feld.; 5-8% leucexene		340.9-342.3m Potassic Alt to potassic feldspars.;		
		333-351.5m very dark.; 1-5% feld.; tr leucexene.;				
		351-406m 10-15% feld.; 2-5% leucozene.; 2-5% pyx clots 1-3mm.;				
		361-6m Mof fol..... over 15 cm	75	366 strong ep over 10 cm		
		372-381 coarse grained		375m 10cm strong ep.;		
		388m 4 cm MD.....	15	388m 4cm bleached halos adjacent to 4cm Mafic Dyke.		
		390-390.2m very dark mod fol.				
		404.5-406.7m MD.....	65	411-417m tr sill		
		╣420.1-420.11╠ «FLT»..... 1cm clay gouge 10cm Qtz veined zone.	45	416m 10cm hem Alt associated with a 1cm Qtz v.		
		420-4m 6cm tectonic bx zone		419.6-420.4m hem Alt associated with fault at 420.1m.		
		406-422m 2-8% feld.; tr leucoxene.;				
		422-437m 10-12% feld.; 1-3% leucoxene.; 5-8% pyx clots 1-3mm.;				
		437-447m med dark pale grey with a pale green tinge		437-447 patchy ep Alt.;		
		4-8% feld.; tr leucoxene.; patchy ep.;		439-447m 1-3% hem Alt.;		
		mod Qtz veining 1-3mm.....	30			
			60			
		╣440.1-440.11╠ «FLT» ..... 1cm clay gouge and mod ep Alt and Flt bx from 439.8-440.1m	70			
		447-481.5m 5-8% feld., 2-4% pyx clots 2-4mm		456-456m tr sill as silky streaks		
		472.2-473.5 MD	75			
		481.5-489m dark f.g. 55 feld and 1-1.5% porphyritic feld as grey grains subhedral up to 1.2cm in size				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		489-510.5m 1-2% feld,; 2-4% leucoxcee.; 5% mafic pyx clots 2-4mm.;				
		Mod fol.....	75			
			80			
		506.6-507.5m MD.....	75			
		510.5-516m Med pale grey.; 10-12% fled.; 2-6% leucoxene.; 8% pyx clots				
		516-521m dark.; 2-4% fled.; 2-5% leu.; mod fol.....	75			
		521-547m 1-2% feld.; 1-3% leu., 5-8% pyx clots				
		522.4-522.8m QFP Dkye.....	75			
		534.6m 15cm Qtz v.....	75			
		540m 3 cm Qtz v.....	75			
		547-567m tr-2% visible feld.; very dark.; tr leucoxene.;				
		567-570m blackish pyx vien.; tr feld.;				
		570-584m med dark grey.; f.g. 2-4% feld.; 2-6% leucoxene.; 10-12% pyx clots.;				
		584 10-12% feld.; 2-6% leucoxene.; 10-15% pyx clots.;				
		602.95-603.45 MD.....	75			
		622-5m 6cm MD.....	75			604.9-616.8 Core @ Cleaver Lake
		644.0-661.5 Phlogopite TZ?				
		622.8-695.6 F.Gr. GB.; tr phlogopite			667.8-663.0 PO 15%.; Po in 3-5cm stringer	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
695.60 TO 738.00	«MIN CRT/CLR» MINERALIZED FELSIC TO INT. ASH TO CLOTTED RHYOLITE	Aphanaitic to f.g.; pale to med grey and med green.; laminated to clotted. Locally cherty felsic to intermediate Tuff and Ash (pyroclastic) - Local clots often pseudo-fragmental texture due to BWA - Local clots as fiamme 708.9-709.05 MS (Massive Sulfide) Massive pyrrhotite stringer 709.1-712.5 MD (Mafic dyke) 717.1-717.3 FLT Breccia silicified 726.0-726.4 MD-fsp		Local intense Bio-anthoph-cord Alt over 3-25cm generally mod Bio-amph Alt (Actin minor Anthoph) 717.3-729.6m BWA pseudo-fragmental (BRICK WORK ALTERATION TYPE) Network anastimosina Biotitie - Amphibole stringers along bedding & cross cutting.	tr-10% with local SMS in 5-10% stringer of po-py-cpy.; 702.4-709.1 5-10% po-pcy +/- stringers up to 80-100% sulphide/0.01m 712.5-722.9 5-7% po-py +/- cpy wispy to stringers 730.9-738.0 7-10% po-cpy +/- py stringers up to 100% po over 5cm	
738.00 TO 754.70	«ALT QFF» ALTERED QUARTZ FELDSPAR PHYRIC	Aphanitic to f.g.; pale buff grey, Quartz porphyritic flow. Mod sericite alteration Pedspar phenocrysts not noted - possibly destroyed; altered to ser. 3-7%mm subangualar clear to grey Qtz phenos. 743.9-744.2 MD 744.5-745.6 MD-fsg -747.2 747.2-747.7 CRT 747.7-747.9 «Flt gouge» 747.9-751.6 MD 751.6-754.7 QFF Quartz feldspar porphyritic flow		Moderate ser Alt 10-30% Fresh	2-5% locally 7-10% swipsy to stringers po-cpy +/- py	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
754.70 TO 758.00	«MD» MAFIC DYKE	F.G. DARK.....	75			
758.00 TO 783.00	«CLR» CLOTTED RHYOLITE WITH MAFIC DYKE	med pale grey f.g. mottle fol.....	75	Fresh to tr bio-cord		
		Mafic dykes @				
		758.5-761.35	75			
		767 -767.1.....	80	Mafic dyke have 1-3% leucoxene		
		769.7-770				
		773-3-773.8				
		773.9-774.4				
		774.7-775.4				
		775.5-783			779.9m	
		779.8-780.1 Qtz v.....	80		1% py in Qtz v as 1-3cm clots	
		783 EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS

HOLE NUMBER: ZO-102

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: R-721
LOCATION: 100m N of ZO-63

PLOTTING COORDS GRID: Winston
NORTH: 9555.00N
EAST: 10465.00E
ELEV: 10466.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -60° 0' 0"
LENGTH OF THE HOLE: 684.00m
START DEPTH: 0.00m
FINAL DEPTH: 684.00m

COLLAR GRID AZIMUTH: 269° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 249° 0' 0"

DATE STARTED: November 29, 1994
DATE COMPLETED: December 6, 1994
DATE LOGGED: December 12, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3.0M
CORE STORAGE: CLEAVER LAKE

PURPOSE: TEST Around DDH # ZO-63, 400-700M S OF WINSTON DEVELOPMENT WINTHIN THE SULFIDE SHEET

DIRECTIONAL DATA: (DDH # ZO-103 was not drilled) 96m South 86m West of Post #1 of Claim # R-721

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
15.00	-	0° 0'	ACID	OK		-	-	-	-	-	
63.00	-	-60° 0'	ACID	OK		-	-	-	-	-	
129.00	-	-60° 0'	ACID	OK		-	-	-	-	-	
189.00	-	-59° 0'	ACID	OK		-	-	-	-	-	
250.00	-	-59° 0'	ACID	OK		-	-	-	-	-	
309.00	-	-59° 0'	ACID	OK		-	-	-	-	-	
387.00	-	-59° 0'	ACID	OK		-	-	-	-	-	
450.00	-	-59° 0'	ACID	OK		-	-	-	-	-	
550.00	-	-57° 0'	ACID	OK		-	-	-	-	-	
591.00	-	-56° 0'	ACID	OK		-	-	-	-	-	
633.00	-	-56° 0'	ACID	OK		-	-	-	-	-	
15.00	259° 0'	-59° 0'	TRO-PARI	OK		-	-	-	-	-	
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Gerard Doiron

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO TO 2.70	«OB» OVERBURDEN					
2.70 TO 40.80	«GB» ZENITH GABBRO	F. TO MED. G. 15-20% FELD 0.1-1MM MED DARK GREY Amphiboles 1-3mm in size. Non. fol.				
40.80 TO 50.50	«PYX» PYROXONITE	F. to med g., very dark to black. Abrupt ctc ..... Med magnetic.; 15% amphibole clots or grains 2-4mm 5-10% feld.;	80			
50.50 TO 75.50	«GB» GABBRO	F. to med. g., med pale grey, non fol.; Core lighter than gabbro interval from 2.7-40.8 25% feldspar ashedral to subhedral 0.5-1.5mm 2-5% Qtz 57.55-58.4m MD..... Bottom bx zones more mafic with depth	 75	tr ep 1-2% leucoxene.;		
75.50 TO 80.40	«PYX» PYROXENITE	f.g. dark to black pyx rich.; 15% amphibole - pyx clots, 2-3mm		79-80.4m mod chl Alt		78.3-79.7m very blocky core
80.40 TO 80.41	«FLT» FAULT	4cm clay gouge	75			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
80.41 TO 82.10	«PYX» PYROXENITE	Same unit as 75.5-80.4m 81.2m 3cm Qtz v bottom ctc graditional over 15cm	 75			
82.10 TO 90.50	«GB» GABBRO	f.g. med dark grey., non fol to weakly fol..... 85.8-86 Qtz v ..... 87.6-89.4 MD	75 70 70	10% leucovene		84.4-85 Blocky core
90.50 TO 111.35	«GB DY» GABBRO DYKE	Gabbro dyke.; f. to med. g.; 5% Qtz.; 20-25% feld 40% pyx.; Ctc sharp & chilled ..... 109.8-111.35m Chilled bottom ctc 94.95-96.1 FP DY ..... Feld for dyke 7% porphyritic potassic feld 0.5 - 2mm	 75 65	tr ep.; 1-3% leucoxene.;		
111.35 TO 179.50	«GB» GABBRO	f. to med. g.; weakly fol 1-4% potassic feld cots.; 127.2-127.75 FP Dy ..... item to FD DY at 94.95-96.1 133.4m over 15cm have 3 1.5cm Qtz v From 150m on the core becomes finer and darker with depth down to 166.5m 166.5-179.5m Typical gabbro med pale grey.; med g. with 15-20% feldspar.; 177.75-178.2m MD	65 75 60 50	5-8% leucoxene.; 119-119.2 Mod ep Alt.; 119-145 1-2% epidote patch 2-6cm in size Leucoxene becomes finer with depth.; 10-15% leucoxene.; 154.4-159m tr hematitic staining along fracture planes 175.4m	113.6m tr-1% py over 15cm along mirco fractures.; 136-149.4 1-3% py as fine diss and irregular 1-3 cm clots of fine subhedral pyrite 160.2m 1 cm Qtz @ 80deg to CA with 8% fine py.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
				2cm ep vein @ 35 deg. to CA.;		
179.50 TO 198.60	«MD» MAFIC DYKE	Mafic dyke.; f.g.; very dark to blackish.; ctc chilled - top	40			
		base	40			
		Massive uniform, structureless, non fol.; 15% feld,; 60% amphibole.;		3.5% black chl fragments to clots 1-2mm in size.;	1% fine py 1-2mm in size.; disseminated	
		179.5-183.4m 50% potassic to granitic like clots and subround fragments. These frag. are reddish pink in colour.; 9mm-15cm in size.;		182.4-189m hematitic staining		
198.60 TO 625.20	«GB» GABBRO	f.g. very dark, becoming med dark grey with depth		15% fine leucoxene		
		Weakly fol	65			
		201.7m 2cm Qtz v.....	40			
		204 and 204.1m 3 cm M.Dy.....	15			
		211.2-211.21 «FLT 40°»..... 4cm tectonic bx zone with a cavity of subhedral Qtz	40			
		212m 10cm Qtz v..... tr cpy and 8% subhedral pyx 1-3mm	70			
		228m 15cm MD.....	80			
		228.3-228.6m MD.....	75			
		244m 6mm Qtz v.....	5			
		237-239 2-4% dark pyx clots 1.5-2mm in size				
		239-297.7 med dark again with 2-8% leucoxene 3-8% feld.; 0.5-0.9mm.;				
		249.7m 10cm of strong fol.....	55			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		285m 2cm MD	65		309m tr fine py.;	
		297.7-315m v.f.g. dark to blackish 1-2% fine feld.; tr to no leucoxene at all.; ctc are graditional.;				
		╣300-300.01╠ «FLT 70°»..... 5mm clay gouge	70			
		315-335.4 med dark grey.; 5-10% leucoxene.; 10% feld.;				
		355.4-342m med dark pale grey.; 1-5% leu.; 15-20% feld.; 9% pyx clots.; 0.5-1.5mm				
		342-438m med dark.; tr leucoxene.; 8% feld 0.5-1mm		351-354 Patch pale green epidote		
		╣374-375╠ «FLT 75°»..... very strong fol or shearing	75	414.2m 15cm of mod ep.;		
		429-429.9 ID	65			
		436.1-436.4 ID	65	418.2m 4cm hem ALT.;		
		438-487.4m med dark grey.; 1-3% f. leucoxene 10-12% feld, 0.5-1mm		419.6m 4cm hem Alt.;		
		471.5-471.9 ID.....	65	432-435m patchy ep.;		
		╣474.9-474.91╠ «FLT 45°»..... 1.5cm clay gouge	45	478.8-480m mod ep ALT		
		481.3m small Flt..... 2mm sandy clay gouge	50			
		╣486.2-486.21╠ «FLT 45°»..... 3cm sandy clay gouge	45			
		487 FLT..... 2mm clay gouge.	45			
		487.4-528m Dark f.g.; tr - 2% leucoxene 4-8% feld; 0.5 - 1mm.;		489. - 498. Tr. sill Alt. as silky streaks		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		528-595.5m Dark to dark greay; 1-2% leu.; 10 - 15% feld.; 7 - 10% mafic pyx clots 1-2mm 534m 6cm Qtz v.....	75	530.7 - 531.2 Mod. ep. Alt. with patchy tectonic bx. 566.3 - 566.7m Mod. ep.		
		595.5-603m Med dark to dark.; 1% feld. phenocrysts 4mm - 1cm grey in color				
		603-615m F.g.; very dark to blackish; trace sill.; leucoxene				
		615-625.2 Med. dark; 1% leucoxene; 10% feld 10 - 15% dark to black pyx clots 1-3mm. Very dark to darker with depth.				
625.20 TO 625.25	«MIN» MINERALIZED	F.g. Brassy-bonze sharp Ctc..... 60% Min of Po-Py-Cpy.; 40% Angular CLR/CRT fragments.;	90		40% Po; 20% Py; Tr. Cpy; Tr. Sph. Po is strongly magnetic	
625.25 TO 635.55	«CRT/CLR» BIMODAL ASH CLOTTED RHYOLITE	Biodal ash to clotted rhyolite.; F.g.; mottled; med. light to dark grey felsic to int. ash bands.....	75 80	Patchy bio-cord 1-5%	Patchy tr. finely diss. Py-Po.; 635-5m 1cm S.M. Pyrite as a wispy stringer 85 deg. to CA.	
		631.6 - 631.8 MD..... 632.3 - 632.45 MD..... 635.3 - 635.45 MD.....	65 65 60			
		632.45 - 632.6m insitu Bx.; Bottom Ctc abrupt.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
635.55 TO 637.80	«ALT CLR» Altered Clotted Rhyolite	F.g.; Med. dark grey fol..... Bottom Ctc sharp.....	80 75	5 - 18% Chl.; 15 - 30% Bio.; 10 - 15% Cord.;	0.5% fine Py.;	
637.80 TO 647.40	«MA» MAFIC FLOW	F.g.; Dark green.; ╢640.8 - 641.0╟ «MIN» ╢640.75 - 641.8╟ «ALT»		648.8-641.8 Mod. bio-Alt.; 85 - 100% Bio.; 1 - 5% Cord. Alt graditional	Patchy fine Py. 648.8 - 649.0m Tr. Cpy.; 1% Py.; 10-12% Po as wispy min. Po strongly magnetic 641.52m 1.5cm SMS to MS of pyrite 85 deg. to	
647.40 TO 649.50	«ALT MA» ALTERED MAFIC FLOW	F.g.; Dark to black, poorly fol..... Abrupt Ctc.....	65 80	5 - 15% Chl.; 1 - 2% Cord.; 55 - 75% Bio.; Tr. Antho.;	648.2 - 648.3m 1% Cpy.; Tr. PY.; 10% Po.; Po strongly magnetic	
649.50 TO 653.80	«ALT CLR» ALTERED CLOTTED RHYOLITE	F.g.; Dark grey to dark.; Mod. fol.....	75	1 - 8% Chl.; 5 - 10% Cord.; 25 - 35% Bio.; Bottom 15cm has 15% cord grains 3-4mm.		
653.80 TO 673.10	«CLR» CLOTTED RHYOLITE	F.g.; Med. light to dark; mottled, fol..... 1 - 3cm Qtz veins..... at: 655m 655.5m 659.2m 661.7m	70 45 60	 1 - 5% Bio-cord patchy		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		╣662.5-662.51╠ «FLT 65°»..... 1cm sandy gouge.	65			
673.10 TO 675.00	«SEDS» SEDIMENTS	F.g.; pale greay meta-sediments.; Massive uniform with 7% pink garnets 1-3mm in size Top and bottom 20cm do not contain garnets. Abrupt sharp Ctc.....	65			
675.00 TO 676.10	«CLR» CLOTTED RHYOLITE	F.g.; Med. pale dark grey.; mottled.;		Tr. bio-antho.;		
676.10 TO 676.60	«ALT MA» ALTERED MAFIC FLOW	F.g.; very dark to black and green		35% Bio.; 8% Cord.; 90 - 100% Chl.;		
676.60 TO 677.80	«CLR» CLOTTED RHYOLITE	Item to 675. - 676.1				
677.80 TO 678.80	«MD» MASSIVE DYKE	F.g.; Dark chilled.....	75			
678.80 TO 684.00	«CLR» CLOTTED RHYOLITE	F.g.; Med light to dark grey, mottled, fol..... 684 EOH	80	1 - 8% Bio.; 1 - 8% Cord.; 1 - 3% Antho.;		

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Py	Total Sulph.	COMMENTS

MINNOVA INC.

HOLE NUMBER: ZO-104 | DRILL HOLE RECORD | IMPERIAL UNITS: | METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-88532
LOCATION: NORTH OF ZENMAC

PLOTTING COORDS GRID: MINE
NORTH: 10340.00N
EAST: 10600.00E
ELEV: 10463.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -87° 0' 0"
LENGTH OF THE HOLE: 265.00m
START DEPTH: 0.00m
FINAL DEPTH: 265.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: November 9, 1994
DATE COMPLETED: November 11, 1994
DATE LOGGED: November 14, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6.0M
CORE STORAGE: CLEAVER LAKE

PURPOSE: TEST FOR MASSIVE SULFIDE RAFT IN GABBRO, 500-700m NORTH OF ZENMAC

DIRECTIONAL DATA: DDH # ZO-103 WAS NOT DRILLED 99m South 104m West of Post #1 of Claim # TB-88532

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	-	-86° 0'	ACID	OK		-	-	-	-	-	
102.00	-	-85° 0'	ACID	OK		-	-	-	-	-	
165.00	-	-84° 0'	ACID	OK		-	-	-	-	-	
225.00	-	-85° 0'	ACID	OK		-	-	-	-	-	
15.00	239° 0'	-87° 0'	MULTISHOT	OK		-	-	-	-	-	
42.00	239° 0'	-87° 0'	MULTISHOT	OK		-	-	-	-	-	
72.00	238° 0'	-85°30'	MULTISHOT	OK		-	-	-	-	-	
102.00	230° 0'	-86° 0'	MULTISHOT	OK		-	-	-	-	-	
132.00	231° 0'	-85°20'	MULTISHOT	OK		-	-	-	-	-	
162.00	237° 0'	-84°30'	MULTISHOT	OK		-	-	-	-	-	
192.00	237° 0'	-84°20'	MULTISHOT	OK		-	-	-	-	-	
222.00	228° 0'	-84° 0'	MULTISHOT	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	«OB» OVERBURDEN					
3.00 TO 191.50	«GB» ZENITH GABBRO	Medium to dark green, medium to coarse grained, gabbro. 20-30% feldspar (white) Local leucoxene (white powedery) 20.0 - 30.0 SIL-EP-K stain in narrow fractures 51.2 - 51.4 SIL-EP FLT fracture 55.0 - 95.0 F.gr. - mgr GB less white feldspar noted. 95.0 191.5 MGR - CGR GB 122.6 - 122.8 Strong folitation QTZ with shear at..... 180.6 Qtz - sulphide vein 3-5cm wide.	30	161.3 - 161.7 Sil_ep zone - halo adjacent to quartz vein	3-5% PY-cpy stringers	Locally weakly magnetic
191.50 TO 226.40	«TZ» TRANSITION ZONE GABBRO	Medium grained, locally porphyroblastic medium green and breon. Transition zone baggro. Local phlogopite. 210.40 - 214.3 PYX Locally magnetic.; 220.7 - 6cm felsic band volcanic xenolith		Fresh	No. min.	5cm volcanic xeno?
226.40 TO 251.00	«PYX» BASAL ULTRAMAFIC PHROXENITE PHASE	Medium blue-green, med. grained, magnetic, soft ultramfic phase. Pyroxenite. ╢240.0 - 251.0╟ «FLT-SHEAR» Talcose, chloritic sheared fractured.				Blocky

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
251.00 TO 265.00	«GB» ZENITH GABBRO	M. Gr.; medium greenpgrey and white (feldspar) mafic intrusive. Zenith gabbro middle pulse (phase). 265.00 EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG t/m3	CSG t/m3	Netbk $/t	Cu / Cu+Zn	Slfide %	Re-Py %	COMMENTS

HOLE NUMBER: ZO-100

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: R-722, R-721, TB-42156
LOCATION: 100M SOUTH OF ZO-63

PLOTTING COORDS GRID: WINSTON
NORTH: 9300.00N
EAST: 10540.00E
ELEV: 10471.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -72° 0' 0"
LENGTH OF THE HOLE: 733.00m
START DEPTH: 0.00m
FINAL DEPTH: 733.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: October 19, 1994
DATE COMPLETED: October 19, 1994
DATE LOGGED: October 28, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: YES
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU
CASING: 6M
CORE STORAGE: CLEAVER LAKE

PURPOSE: DESIGN TO TEST DOWN PLUNGE (100M SOUTH) OF ZO-63 WITHIN THE WINSTON SULPHIDE SHEET.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
6.00	-	-71°30'	ACID	OK		730.00	240° 0'	-62° 0'	MULTISHOT	OK	
30.00	-	-71° 0'	ACID	OK		15.00	249° 0'	-71° 0'	TROPARI		
60.00	-	-71° 0'	ACID	OK		39.00	251° 0'	-71° 0'	TROPARI		
90.00	-	-70° 0'	ACID	OK		69.00	242° 0'	-71° 0'	TROPARI		
147.00	-	-69°30'	ACID	OK		90.00	231° 0'	-70° 0'	TROPARI		
193.00	-	-70° 0'	ACID	OK		156.00	239° 0'	-71° 0'	TROPARI		
237.00	-	-69° 0'	ACID	OK		237.00	234° 0'	-70° 0'	TROPARI		
300.00	-	-68° 0'	ACID	OK		500.00	234° 0'	-65° 0'	TROPARI		
360.00	-	-67° 0'	ACID	OK		607.00	232° 0'	-64° 0'	TROPARI		
399.00	-	-66°30'	ACID	OK		610.00	206° 0'	-58° 0'	TROPARI		
459.00	-	-65° 0'	ACID	OK		-	-	-	-	-	
510.00	-	-65° 0'	ACID	OK		-	-	-	-	-	
567.00	-	-63° 0'	ACID	OK		-	-	-	-	-	
603.00	-	-63° 0'	ACID	OK		-	-	-	-	-	
660.00	-	-63° 0'	ACID	OK		-	-	-	-	-	
711.00	-	-63° 0'	ACID	OK		-	-	-	-	-	
10.00	253° 0'	-71° 0'	MULTISHOT	OK		-	-	-	-	-	
70.00	241° 0'	-70° 0'	MULTISHOT	OK		-	-	-	-	-	
130.00	241° 0'	-70° 0'	MULTISHOT	OK		-	-	-	-	-	
190.00	242° 0'	-70° 0'	MULTISHOT	OK		-	-	-	-	-	
250.00	243° 0'	-69° 0'	MULTISHOT	OK		-	-	-	-	-	
310.00	240° 0'	-68° 0'	MULTISHOT	OK		-	-	-	-	-	
370.00	239° 0'	-65° 0'	MULTISHOT	OK		-	-	-	-	-	
430.00	239° 0'	-66° 0'	MULTISHOT	OK		-	-	-	-	-	
490.00	239° 0'	-65° 0'	MULTISHOT	OK		-	-	-	-	-	
547.00	244° 0'	-64°30'	MULTISHOT	OK		-	-	-	-	-	
610.00	240° 0'	-64° 0'	MULTISHOT	OK		-	-	-	-	-	
670.00	240° 0'	-63° 0'	MULTISHOT	OK		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.90	«O/B» OVERBURDEN					
3.90 TO 33.00	«GB» GABBRO	Medium grained, generally massive, med green with white feldspar crystals, Mafic intrusive				
		7.0-11.0 f.g MD @.....	45			
		21.4 30cm MD				
		27.4 Granitic vein 25 cm @.....	40			Tropari @ 15m not magnetic (ok)
33.00 TO 57.00	«GB/TZ» GRADED GABBRO TRANSITION ZONE	Locally phlogopitic, paler, somewhat felted gabbro (similar to transition zone gabbro between gabbro proper and pyroxenite)				
		39.9 - 42.5 Shear zone intense shear fol. & shear fracture with Qtz filled stringers.				
		51.0 - 54.4				
		51.0 - 51.7 Pegmatitic or Mamatitic Qtzzo feldspatitic flooding & crystal growth 1-2cm feldspar crystals (buff to pink) in poorly defined veins				Tropari @ 39m not magnetic (ok)
		54.4 - 56.5 TZ				
		56.5 - 57.0 GB/TZ				
57.00 TO 63.00	«GB» GABBRO	As above				
		60.5 - 63.0 Shear bounded f.g. Mafic Dyke				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
63.00 TO 71.60	«TZ» TRANSITION ZONE MIX	Phlogopitic & weekly magnetic, Med. grey-green, felty texture "air brushed GB-Px Cross".				Tropari @ 69m magnetic
71.60 TO 75.80	«FLT» SHEAR ZONE	Intense shear fol & Qtz filled shear fractures several 2-20cm Flt gouges				Missing core 73.4 25cm 74.4 30cm
75.80 TO 103.00	«PX» BASAL PYROXENITE PHASE	f.g. to ????? med. g. dark blue green, magnetic soft ultramafic Shearing throughout - ╢78.2-80.0╟ «MD» Lamprophyre dyke @ ..... ╢80.0-82.0╟ «MD» Diabase dyke @ ..... ╢92.5-97.0╟ «FLT» Sil-Ep-Chlor filled fractures	 50 25			Magnetic Tropari @ 90
103.00 TO 132.10	«GB» ZENITH GABBRO	Similar to above 3-5 1 1cm Qtz filled stringers at various angles				
132.10 TO 157.20	«PX» BASAL PROXENITE PHASE	Similar to above Diabase? dyke @ lower contact @.....	 50			Magnetic
157.20 TO 314.00	«GB» ZENITH GABBRO	Similar to above - minor pink K (potassium) staining (K-feldspars?) - mafic dykes (MD) with assoc. EP-SIL-K stringers 168-7 - 170.0 MD f.g. A ctcs contorted foliated contact				

HOLE NUMBER: ZO-105

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-42278
LOCATION: NORTH OF ZENMAC

PLOTTING COORDS GRID: WINSTON
NORTH: 10315.00N
EAST: 10800.00E
ELEV: 10467.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -87° 0' 0"
LENGTH OF THE HOLE: 339.00m
START DEPTH: 0.00m
FINAL DEPTH: 339.00m

COLLAR GRID AZIMUTH: 270° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: November 11, 1994
DATE COMPLETED: November 14, 1994
DATE LOGGED: November 18, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6.0M
CORE STORAGE: CLEAVER LAKE

PURPOSE: TEST FOR MASSIVE SULFIDE RAFT IN GABBRO, 500-700m NORTH OF ZENMAC

DIRECTIONAL DATA: 86m South 98m East of Post #4 of Claim # TB-42278

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
15.00	-	-87° 0'	ACID	OK	
65.00	-	-86° 0'	ACID	OK	
120.00	-	-86° 0'	ACID	OK	
165.00	-	-84° 0'	ACID	OK	
207.00	-	-84° 0'	ACID	OK	
273.00	-	-84° 0'	ACID	OK	
339.00	-	-83° 0'	ACID	OK	
75.00	253° 0'	-86° 0'	TRO-PARI	OK	
156.00	238° 0'	-85° 0'	TRO-PARI	OK	
250.00	261° 0'	-83° 0'	TRO-PARI	OK	PX

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.10	«OB» OVERBURDEN					
4.10 TO 285.00	«GB» ZENITH GABBRO	Medium to coarse grained medium green-grey and white gabbro. Tr - 2% leucoxene 80.0 - 90.0 Several narrow annealed FLT fractures - SIL-EP filled. 113.0 - 113.5 FLT gouge 124.4 - 124.6 Shear Fracture at..... 149.9 - 150.2 FLT (shear) at ..... 165.0 - F.GR.- M.GR. GB. 206.4 - 209.5 «MD FLT» Black and green, M.Gr., MD; local flt and shear fractures.	 40 30		9.3 - 9.5 Stringer chalcopyrtie in quarts vein	Est 1.0% Cu. 0.2m Local weak magnetism
285.00 TO 309.00	«TZ» TRANSITION ZONE GABBRO					
309.00 TO 324.00	«PYX» PYROXENITE					
324.00 TO 339.00	«GB» ZENITH GABBRO	339.0m EOH				

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Py	Total Sulph.	COMMENTS
	0.00	0.00	0.00																		

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-88532
LOCATION: NORTH OF ZENMAC

PLOTTING COORDS GRID: WINSTON
NORTH: 10200.00N
EAST: 10630.40E
ELEV: 10462.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -86° 0' 0"
LENGTH OF THE HOLE: 282.00m
START DEPTH: 0.00m
FINAL DEPTH: 282.00m

COLLAR GRID AZIMUTH: 270° 0' 0"   COLLAR ASTRONOMIC AZIMUTH: 250° 0' 0"

DATE STARTED: November 14, 1994
DATE COMPLETED: November 17, 1994
DATE LOGGED: November 25, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 6M
CORE STORAGE: CLEAVER LAKE

PURPOSE: TEST FOR MASSIVE SULFIDE RAFT IN GABBRO, 500-700m NORTH OF ZENMAC

DIRECTIONAL DATA: 232m South 48m West of Post #1 of Claim # TB-88532

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	-	-86° 0'	ACID	ok		-	-	-	-	-	
126.00	-	-86° 0'	ACID	OK		-	-	-	-	-	
185.00	-	-86° 0'	ACID	OK		-	-	-	-	-	
250.00	-	-83° 5'	ACID	OK		-	-	-	-	-	
75.00	250° 0'	-86° 0'	TRO-PARI	OK		-	-	-	-	-	
150.00	231° 0'	-85° 0'	TRO-PARI	OK		-	-	-	-	-	
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-	-	-	-	-		-	-	-	-	-	
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-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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M. Bliss

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 1.40	«OB» OVERBURDEN					
1.40 TO 145.00	«GB» ZENITH GABBRO	Med. grained, me. green-grey and white (feldspar) Gabbro. 1-3% Quartz stringers Local 1-2% 1mm white leucoxene 6.0 - 10.0 FLT-MDs fractures, blocky 15.0 - 16.0 MD (DB?) Weakly magnetic. 97.5 - 103.5 FLT - fractures blocky, local narrow gouge. 114.2 - 114.7 EP-SIL Alt 114.7 - 145 F.Gr.; phase GB.;				1m weakly magnetic dyke.
145.00 TO 208.86	«TZ» TRANSITION ZONE GABBRO	Fine to med. grained, med. green, felty, locally phlogpitic transition zone gabbro. Appears altered (u.m?) Locally green-blue and soft (talcose, Mg-rich) ╢164.8 - 169.5╟ «FLT» GOUGE ╢208.6 - 208.8╟ «FLT» GOUGE				Local very weak magnetism
208.86 TO 236.00	«PYX» ULTRAMFIC BASAL PYROXENITE	M. Gr., med. to dark green-blue, apparently porphyritic, moderate to strongly magnetic ultramfic pyroxenite. FLT at upper contact with TZ				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
236.00 TO 282.00	«GB» ZENITH GABBRO	Similar to above. 273.0-273.1 Qtz Bx. Min. 282.0m EOH			1-2cm PY-Cpy patch with QV	

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS

HOLE NUMBER: ZO-107

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-42277
LOCATION: Zenmac West Shaft

PLOTTING COORDS GRID: WINSTON
NORTH: 9857.50N
EAST: 10674.70E
ELEV: 10474.20

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -40° 0' 0"
LENGTH OF THE HOLE: 21.00m
START DEPTH: 0.00m
FINAL DEPTH: 21.00m

COLLAR GRID AZIMUTH: 285° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 265° 0' 0"

DATE STARTED: December 15, 1994
DATE COMPLETED: December 15, 1994
DATE LOGGED: December 16, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3.2M
CORE STORAGE: CLEAVER LAKE

PURPOSE: Designed to test the West Zenmac Shaft area under the road and surface mineralization.

DIRECTIONAL DATA: 160m South 62m East of Post #4 of Claim # TB-42277

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
0.00	-	0° 0'	ACID			-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.20	«OB» OVERBURDEN					
3.20 TO 21.00	«GB» ZENITH GABBRO	Med. green-grey and white, med. grained; generally equicrystalline, gabbro. 1 - 2% narrow quartzfeldspathic stringers at variable angles to CA. 21.0 EOH				Drilled under Zenmac Road to test sphalerite stringer. Zenmac West Shaft.

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Py	Total Sulph.	COMMENTS

HOLE NUMBER: ZO-108 | MINNOVA INC. DRILL HOLE RECORD | IMPERIAL UNITS: | METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-42277
LOCATION: West Zenmac Shaft

PLOTTING COORDS GRID: WINSTON
NORTH: 9857.40N
EAST: 10674.90E
ELEV: 10474.20

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 15.00m
START DEPTH: 0.00m
FINAL DEPTH: 15.00m

COLLAR GRID AZIMUTH: 259° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 239° 0' 0"

DATE STARTED: November 15, 1994
DATE COMPLETED: November 15, 1994
DATE LOGGED: November 17, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 3.0M
CORE STORAGE: CLEAVER LAKE

PURPOSE: Designed to test surface mineralization near Zenmac Shaft under road.

DIRECTIONAL DATA: 160m South 62m East of Post #4 of Claim # TB-42277

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
0.00	-	0° 0'	ACID			-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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M. Bliss

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	«OB» OVERBURDEN					
3.00 TO 15.00	«GB» ZENITH GABBRO	Med. green-grey and white M.Gr.; equicrystalline gabbro. Minor quartsofeldspathic stringers at variable angles. 15.0m EOH				Drilled under Zenmac road to test sphalerite stringer. Zenmac West Shaft

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Py	Total Sulph.	COMMENTS

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-42277
LOCATION: West Zenmac Shaft

PLOTTING COORDS GRID: WINSTON
NORTH: 9857.50N
EAST: 10674.90E
ELEV: 10474.20

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -40° 0' 0"
LENGTH OF THE HOLE: 15.00m
START DEPTH: 0.00m
FINAL DEPTH: 15.00m

COLLAR GRID AZIMUTH: 226° 0' 0" COLLAR ASTRONOMIC AZIMUTH: 206° 0' 0"

DATE STARTED: December 15, 1994
DATE COMPLETED: December 15, 1994
DATE LOGGED: December 18, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 5.0M
CORE STORAGE: CLEAVER LAKE

PURPOSE: Designed to test surface mineralization near West Zenmac Shaft under road.

DIRECTIONAL DATA: 160m South 62m East of Post #4 of Claim # TB-42277

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
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M. Bliss

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 5.00	«OB» OVERBURDEN					
5.00 TO 15.00	«GB» ZENITH GABBRO	Med. green-grey and white; M.gr.; equicrystalline gabbro. Minor Qtz-Psp stringers at variable angles. Minor limonitic stain 15.0m EOH			No sulphides.	Drilled at Zenmac West Shaft. Test for shpalite stringers.

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Total Py Sulph.	COMMENTS

HOLE NUMBER: ZO-110

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: WINSTON LAKE
PROJECT NUMBER: 160
CLAIM NUMBER: TB-42277
LOCATION: West Zenmac Shaft

PLOTTING COORDS GRID: WINSTON
NORTH: 9857.40N
EAST: 10674.80E
ELEV: 10474.20

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -70° 0' 0"
LENGTH OF THE HOLE: 20.00m
START DEPTH: 0.00m
FINAL DEPTH: 20.00m

COLLAR GRID AZIMUTH: 226° 0' 0"
COLLAR ASTRONOMIC AZIMUTH: 206° 0' 0"

DATE STARTED: December 15, 1994
DATE COMPLETED: December 15, 1994
DATE LOGGED: December 18, 1994

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: CHIBOUGAMAU Diamond Drill
CASING: 1.4M
CORE STORAGE: CLEAVER LAKE

PURPOSE: Designed to test surface mineralization near West Zenmac Shaft under road.

DIRECTIONAL DATA: 160m South 62m East of Post #4 of Claim # TB-42277

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 1.40	«OB» OVERBURDEN					
1.40 TO 20.00	«GB» ZENITH GABBRO	Med. green-grey and white; Med. gr.; equicrystalline gabbro. Minor to 2% qtz-fsp stringer at variable angles. 20.0m EOH			No sulphides.	Drilled at West Zenmac Shaft. Test for sphalerite stringers.

Sample	From (m)	To (m)	Length (m)	ESTIMATES Cu %	Zn %	Py %	Po %	ASSAYS Cu %	Zn %	Ag g/t	Au g/t	SG	CSG	GEOCHEMICAL Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Calc. Py	Total Sulph.	COMMENTS

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9640-558

ERLIS

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions: - Please type or print and submit in duplicate
- Refer to the M ent work or consult the Mining Recorder.
- A separate co
- Technical repc
- A sketch, shov 900 s form.

42D14NW0015 W9640.00558 PAY PLAT LAKE

Recorded Holder(s): INMET MINING CORP.		Client No.: 169899
Address: Suite 3400 Aetna Tower, PO Box 19 Toronto Dominion Centre, Toronto, Ont, M5K-1A1		Telephone No.: 416-361-6400
Mining Division: Thunder Bay	Township/Area: PAYS PLAT LAKE	M or G Plan No.: G-606
Dates Work Performed — From: Oct. 26, 1994	To: Dec. 15, 1994	

Work Performed (Check One Work Group Only)

	Work Group	(W20) (Drill) Type
	Geotechnical Survey	
✓	Physical Work, Including Drilling	DIAMOND DRILLING
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs $ 227,774.

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Chibougamau Diamond Drilling Ltd	Chibougamau Diamond Drilling Ltd, CP 309 White River, Ont, P0M-3G0 tel = (807)-822-2331

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Oct. 8/96	Gerard Doiron

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying	Telepone No.	Date	Certified By (Signature)
Gerard Doiron — INMET Mining Corp. Winston Lake Division PO Bag # 2 Schreiber, Ont P0T-2S0 Tel (807)-824-3368	807-824-3368	Oct. 8, 1996	Gerard Doiron

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$227,774	OCTOBER 11, 1996	M.C. Weeman	Thunder Bay Mining Division OCT 11 1996 RECEIVED
	Deemed Approval Date	Date Approved: FEBRUARY 19, 1997	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
G40000 14	R- 721	1	$ 101,045			$ 101,045
G40000 15	R- 722	1	13,812			13,812
G40000 16	R- 724	1	23,062			23,062
G4000243	TB- 386798	1	13,975			13,975
G4000244	TB- 386804	1	9,632			9,632
G4000335	TB- 42277	1	8,105			8,105
G4000072	TB- 42278	1	17,092			17,092
G4000069	TB- 42156	1	13,812			13,812
G40000 76	TB- 88532	1	27,239			27,239
	9		$ 227,774			$ 227,774
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature: Gerard Gauvin

Date: Oct. 8, 199

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W 9640-558

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		-
	Field Supervision Supervision sur le terrain		7,971.
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: Diamond Drilling	219,803.41	
		-	
			219,803.
Supplies Used Fournitures utilisées	Type		
			-
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		227,774.

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Thunder Bay
Mining Division

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OCT 11 1996

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Mine Geologist I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
Gerard Doiron	Oct. 7, 1996

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Rope Lake G-609

Middle Fox Lake G-85

Lower Aguasabon Lake G-599

COPPER ISLAND G-538

LAHONTAN TP.
FOR STATUS REFER TO TWP. PLAN G- 628

KILLRAINE TP.
FOR STATUS REFER TO TWP. PLAN G- 628

PRISKE TP.
FOR STATUS REFER TO TWP. PLAN G-631

1207987
PROJECTED LINE

1204180 1204181 1204182 1204183
PROJECTED LINE 1194255

CLM 414

Pays Plat Lake

Both Lake

Pays Plat River

Winston Lake

Kenogie Lake

Cleaver Lake

Hornblende Lake

Langcanoe Lake

Rhea Lake

Parsons Lake

Charlotte Lake

Rockpile Lake

Duck Lake

Maude Lake

Gorter Lake

Lyne Lake

Sor Lake

Sep Lake

Kate Lake

Big Duck Lake

Big Cliff Lake

Gull River

Namew River

Pays Plat River

Winston River

Kenogie River

Cleaver Creek

Hornblende River

Rhea River

Duck River

Charlotte River

Parsons River

Sor River

Lyne River

Gull River

Namew River

Langcanoe River

Kenogie River

Cleaver Creek

Hornblende River

Rhea River

Duck River

Charlotte River

Parsons River

Sor River

Lyne River

49°00'

59'

58'

57'

56'

55'

54'

53'

87°30'

29'

28'

27'

26'

25'

24'

23'

22'

21'

20'

19'

18'

87°15'

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Thunder Bay Mining Division

RECEIVED

LEGEND

HIGHWAY AND ROUTE NO.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC
LOTS, MINING CLAIMS, PARCELS ETC
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA

PAYS PLAT LAKE

M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY

MINING DIVISION
THUNDER BAY

LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources — Land Management

Date FEB.15/1982

Number G-606