

**DRILL HOLE TRACE**

STRUCTURAL INTENSITY BARS  
08 to 24 25 to 29

SILICIFICATION INTENSITY BARS  
20 to 24 25 to 29

Au assays in grams / tonne  
values below 0.20 g/t are not shown

Square indicates where drill hole pierces the plane of the section.

T93DH200 Drill hole name  
[1.76]  
Projection distance of drill hole trace normal to the section.

**SURFACE TRENCH**

Lithology  
TRENCH [1.69]

Square indicates where trench pierces the plane of the section.

Au assays in grams / tonne  
values below 0.20 g/t are not shown.

Trench name and projection distance from section

**MINERAL INVENTORY POLYGON**

Polygon Number (section - number - polygon category)

**POLYGON CATEGORY**

A - PROBABLE / Drill intersection on this section  
- assumes a 10 metre zone of influence for each drill hole

B - POSSIBLE / No drill intersection on this section  
- based on geology  
- interpolated between drill holes on section

C - INFERRED / No drill intersection on this section  
- based on geology  
- extrapolated beyond drill holes on section

**FAULT CONTACTS**  
Interpreted at Contact between Lithologies

**STRUCTURAL DISTURBANCE LIMITS**  
Dipole Brecciated, Crinoidal, with Structural Intensity above 19  
Some Zones Interpreted as Internal to Logged Intervals  
Some Volcanics and VNCA Considered Post-Structural and included within Structural Disturbance Limits.

**LITHOLOGIC UNITS**

**INTRUSIVE UNITS (TERTIARY?)**

ANDY Andesite Dike - Fine grained, intermediate intrusive dike with foliolar phenocrysts

BSDY Basaltic Dike - Fine grained, dark green, augitic, basaltic dike. Locally vesicular or amygdaloidal.

RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.

**VOLCANIC UNITS (UPPER TRIASSIC or older)**

MFCA Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or spilitic rock based medium brown to light grey or cream. Coloured by carbonatization. May contain pyrite.

MFTF Undifferentiated Mafic Volcanic Flow - Basaltic flow, pyroclastic, or spilitic. Commonly massive to poorly bedded.

**PERMIAN LIMESTONE UNITS**

CHRT Massive to finely laminated, white to dark grey chert. May contain minor limonite interbeds.

DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.

DDLO Dolomite - Massive to thick bedded, tan weathering dolomite

HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.

KRST Hard Breccia Zone - Breccia related to sarsing within the carbonate. Superimposed on carbonate lithologies.

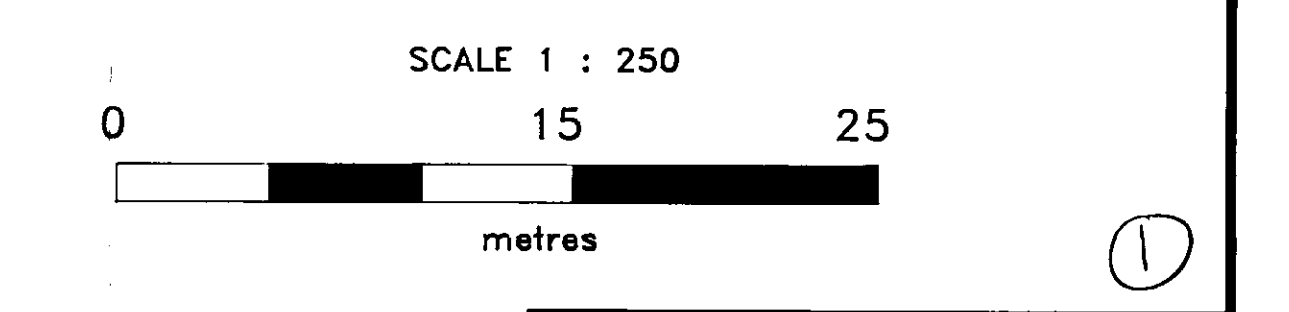
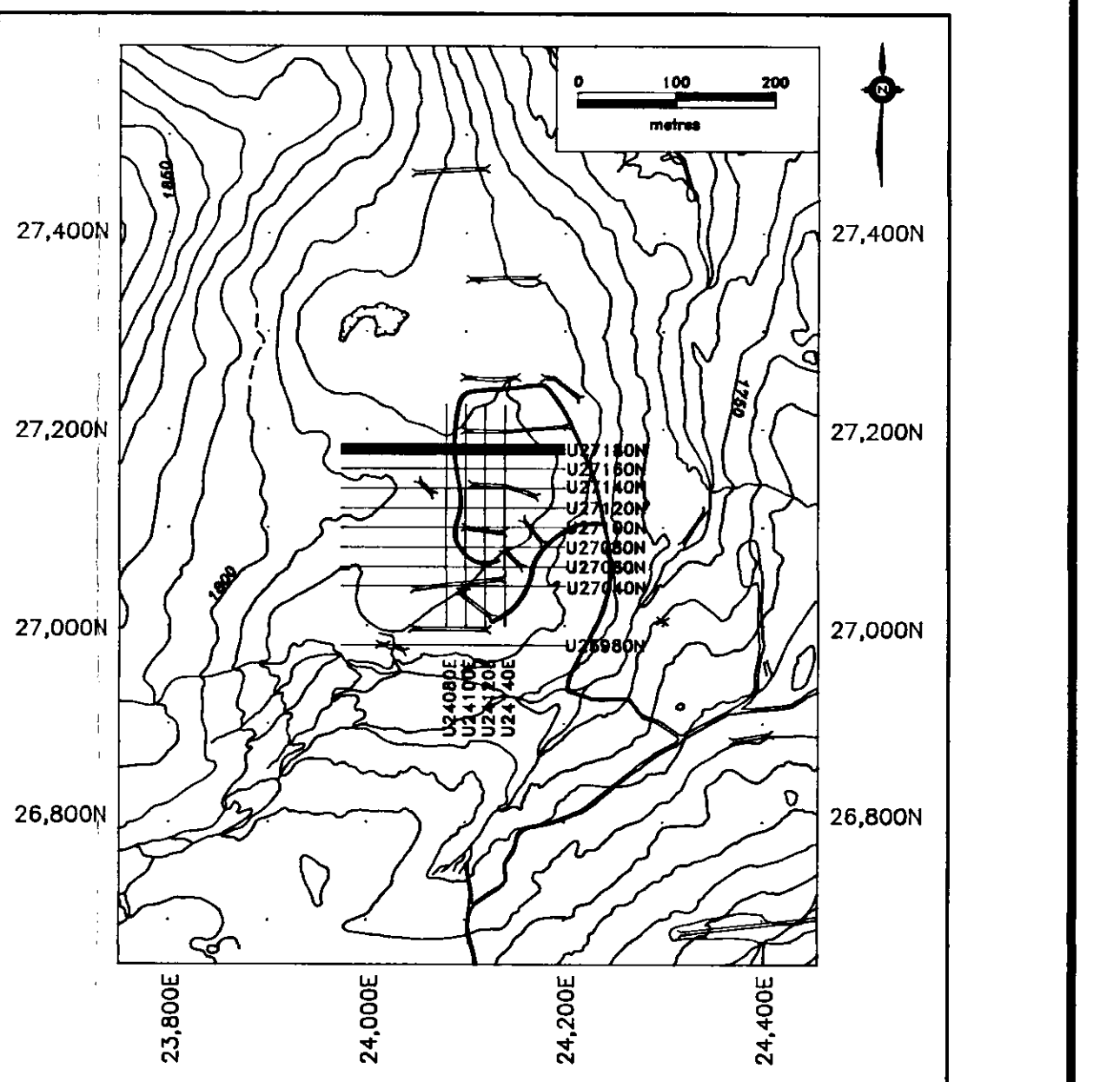
LMBC Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally containing crinoidal bioherms.

LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.

LMGT Limestone, Crinoidal and Thin Bedded - Thinly bedded, dark grey, calcitic limestone. Calcitic interbeds of fine weathering, calcareous, quartz siltstone.

LMSL Silicified Limestone - Severely silicified limestone. Does not effervesce in 10% HCl.

LMST Limestone - Massive to medium bedded, calcitic limestone. White to pale grey with local bioclastic debris or thin argillaceous partings.



**REVISIONS**

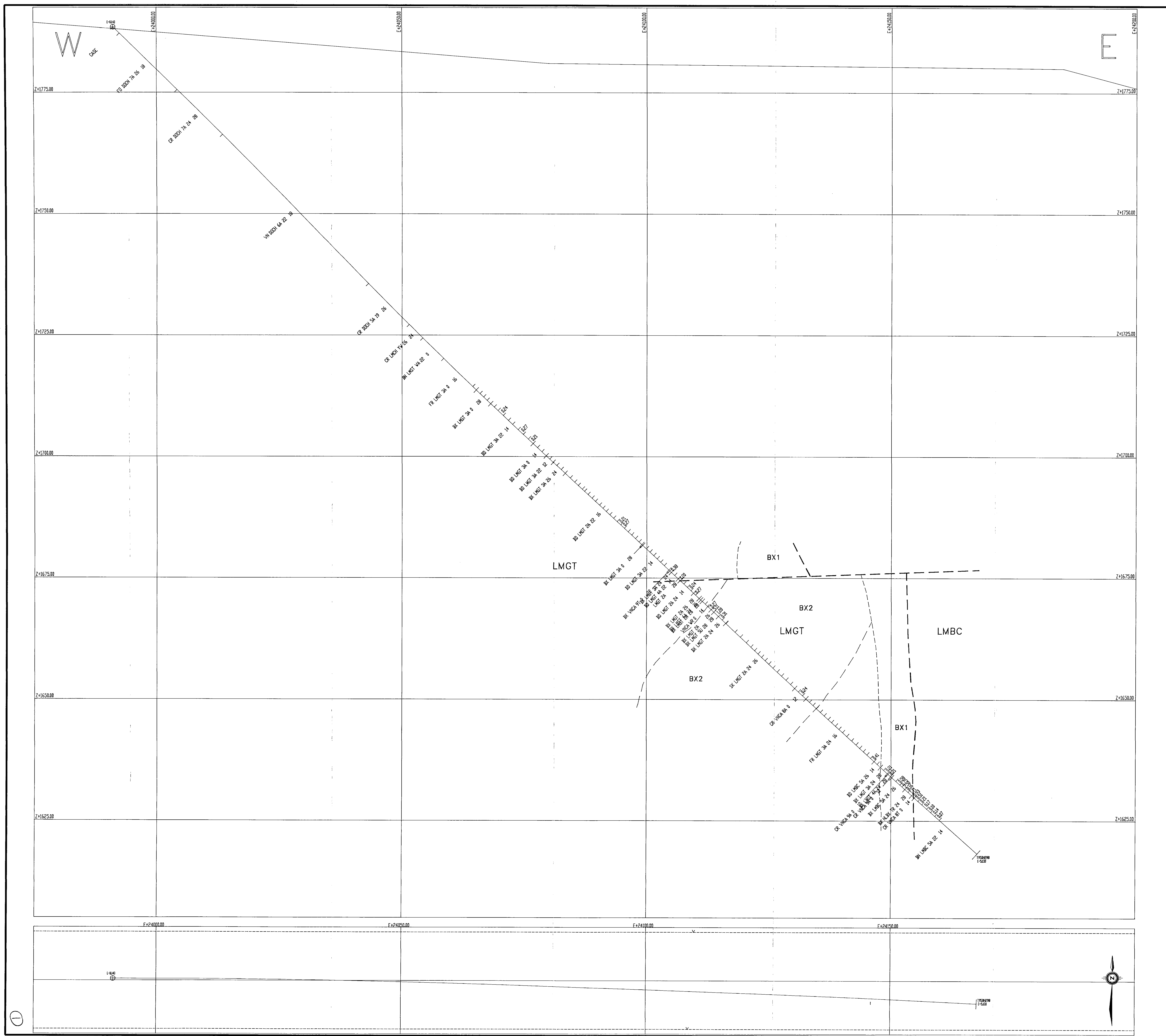
No.	Item	Date

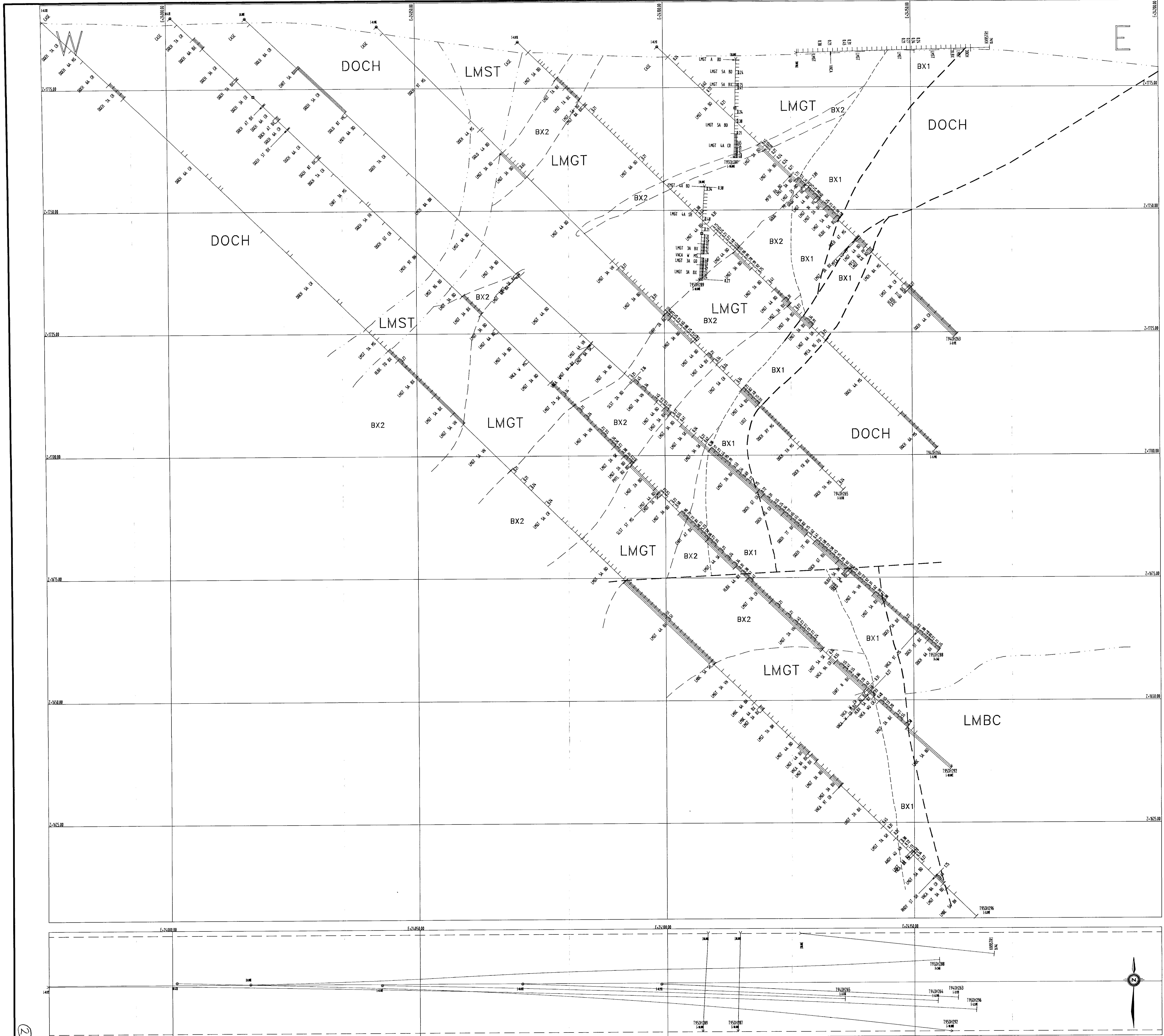
**NORTH AMERICAN METALS CORP.  
GOLDEN BEAR MINE**

**URSA ZONE  
VERTICAL SECTION  
U27180N**

**DRILL HOLE LITHOLOGIES & AU ASSAYS**

Plate: 16 File: \_\_\_\_\_  
Drawing No: \_\_\_\_\_  
Approved: \_\_\_\_\_ Report: \_\_\_\_\_  
Drawn By: APH Date: DEC/95





### LEGEND

**DRILL HOLE TRACE**  
 Au assays in grams / tonne  
 values below 0.20 g/t are not shown  
 Square indicates where drill hole pierces the plane of the section.  
 T93DH200 Drill hole name  
 [1.76] Projection distance of drill hole trace normal to the section.

**SURFACE TRENCH**  
 Square indicates where trench pierces the plane of the section.  
 Au assays in grams / tonne  
 values below 0.20 g/t are not shown.  
 Trench name and projection distance from section.

**MINERAL INVENTORY POLYGON**  
 Polygon Number (section - number - polygon category)  
**U27040-01-A**

**POLYGON CATEGORY**  
 A - PROBABLE / Drill intersection on this section - assumes a 10 metre zone of influence for each drill hole  
 B - POSSIBLE / No drill intersection on this section - based on geology - interpolated between drill holes on section  
 C - INFERRED / No drill intersection on this section - based on geology - extrapolated beyond drill holes on section

**FAULT CONTACTS**  
 Interpreted at Contact between Lithologies

**STRUCTURAL DISTURBANCE LIMITS**  
 Gouge, Brecciated, Cracked, with Structural Intensity above 19  
 Some Zones interpreted as internal to Logged Intercuts.  
 Some Volcanics and VNCA Considered Post-Structural and included within Structural Disturbance Limits.

**LITHOLOGIC UNITS**

**INTRUSIVE UNITS (TERTIARY?)**

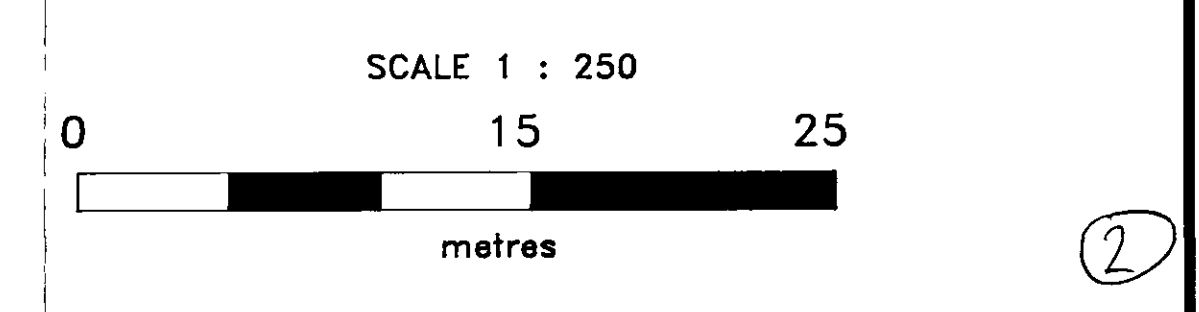
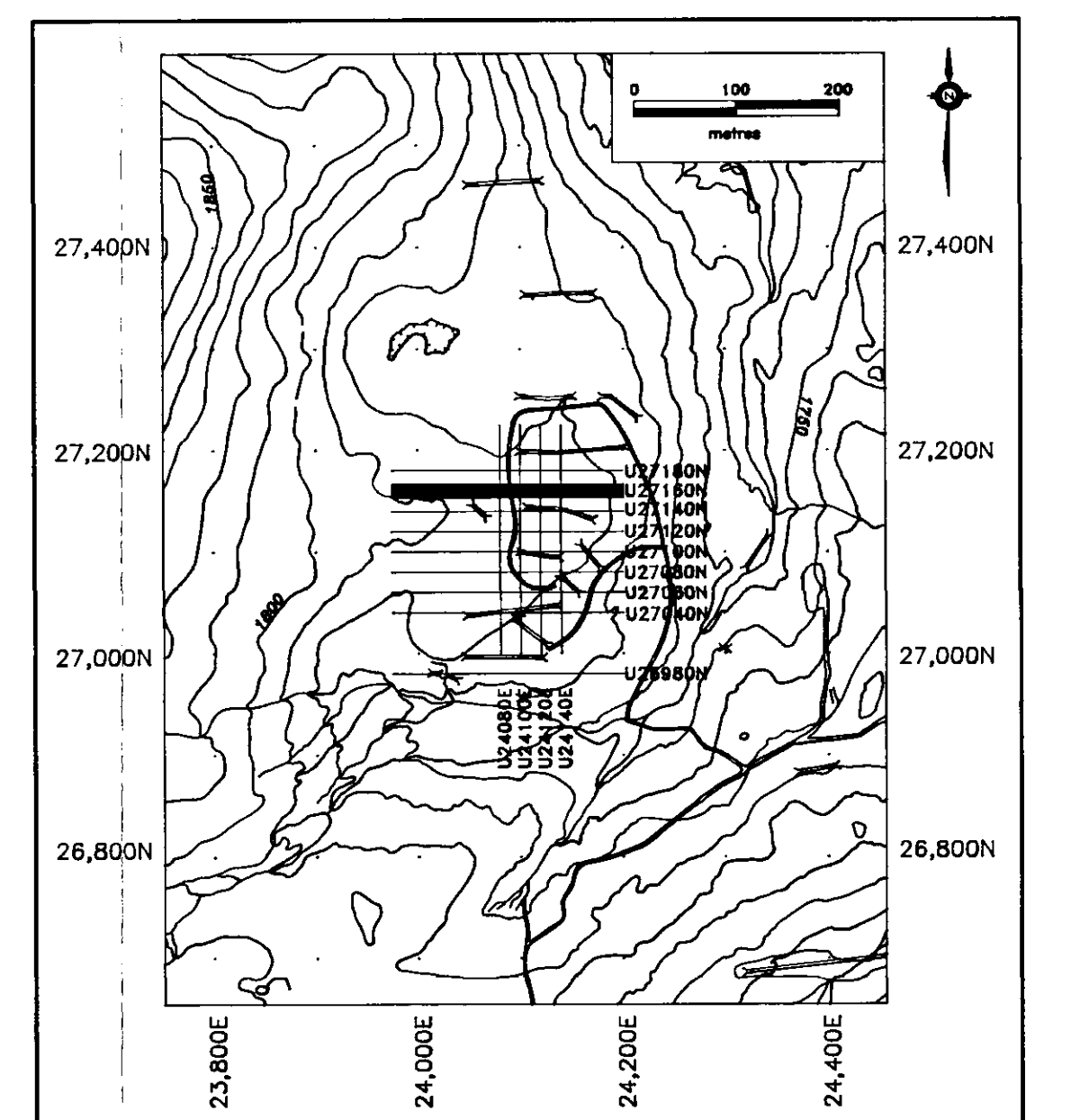
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with feldspar phenocrysts
- BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or amygdaloidal.
- RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.

**VOLCANIC UNITS (UPPER TRIASSIC or older)**

- MFC1 Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or andesitic brecciated medium to coarse grained or green. Coloured by carbonatization. May contain pyrite.
- MFTF Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or spastic. Commonly massive to poorly bedded.

**PERMIAN LIMESTONE UNITS**

- CHRT Massively to finely laminated, while to dark grey chert. May contain minor linear inclusions.
- DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
- DOLD Dolomite - Massive to thick bedded, tan weathering dolomite.
- HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.
- KRST Karst Breccia Zone - Breccia related to karsting within the carbonate. Superimposed on carbonate lithologies.
- LMBC Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally weathering crinoidal brecciated dolomite.
- LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.
- LMGT Limestone, Crinoidal and Thin Bedded - Thin bedded, dark grey, calcitic limestone. Contains inclusions of tan weathering, calcareous, quartz siltstone.
- LMSL Silty Limestone - Severely silted limestone. Does not effervesce in 10% HCl.
- LMST Limestone - Massive to medium bedded, calcitic limestone. While to pink grey with local basaltic dikes or thin argillaceous partings.



REVISIONS		
No	Item	Date

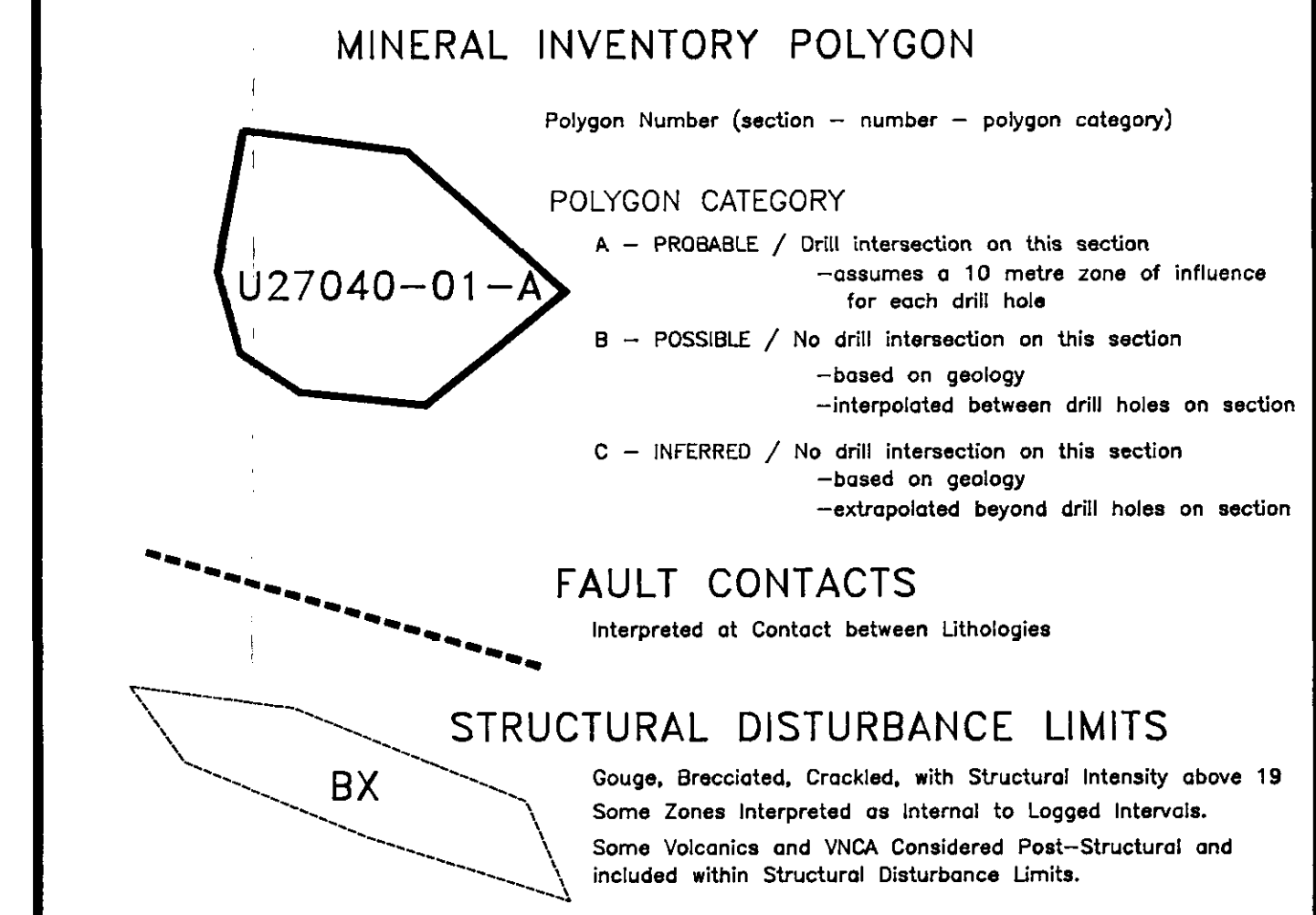
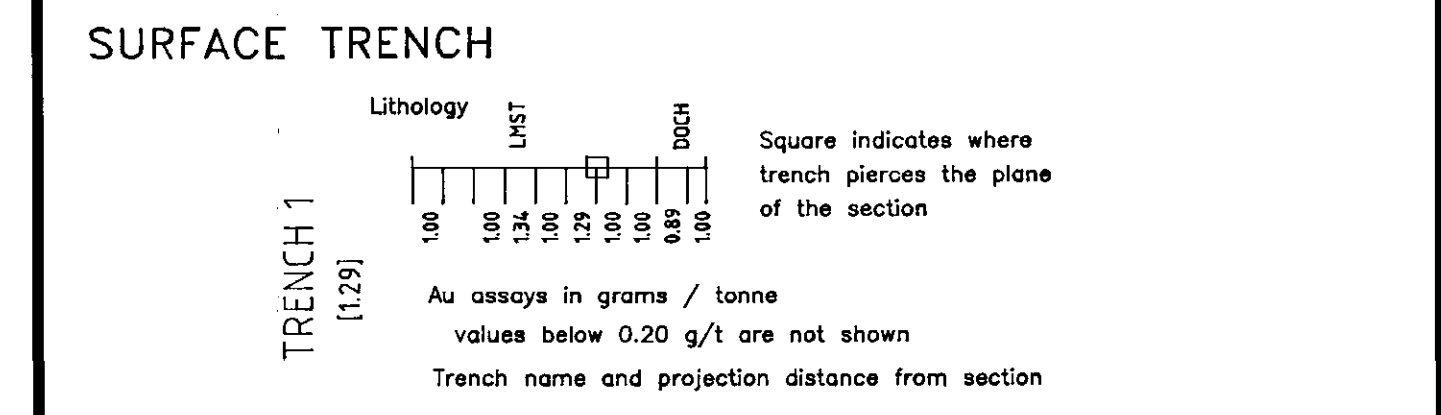
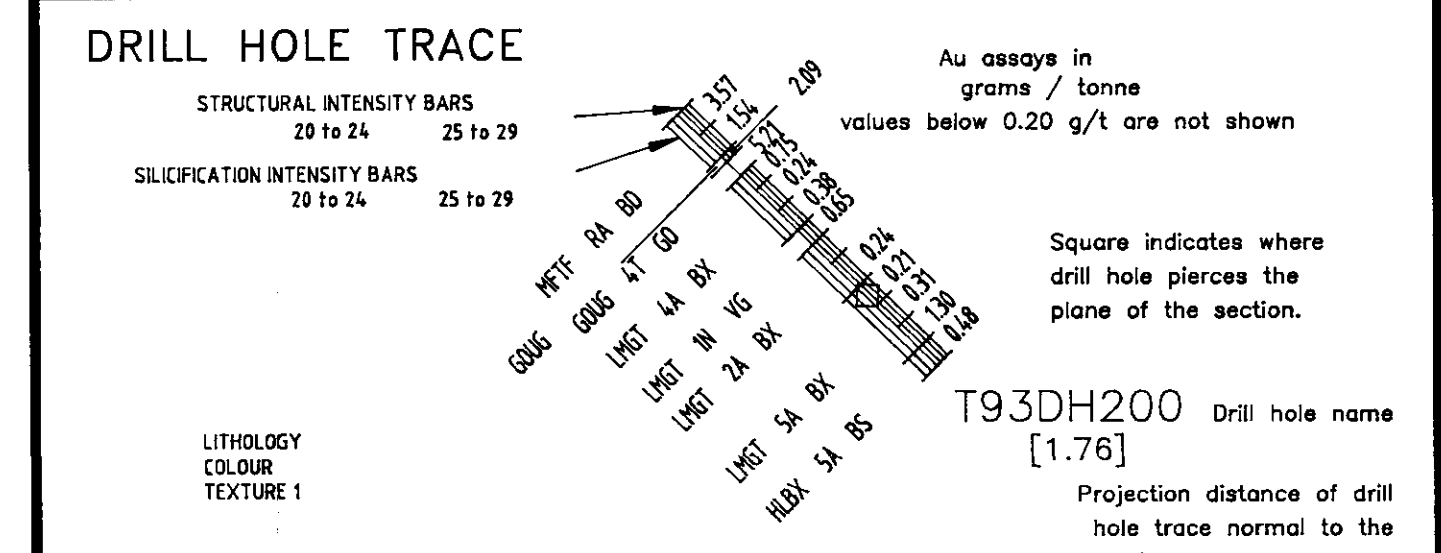
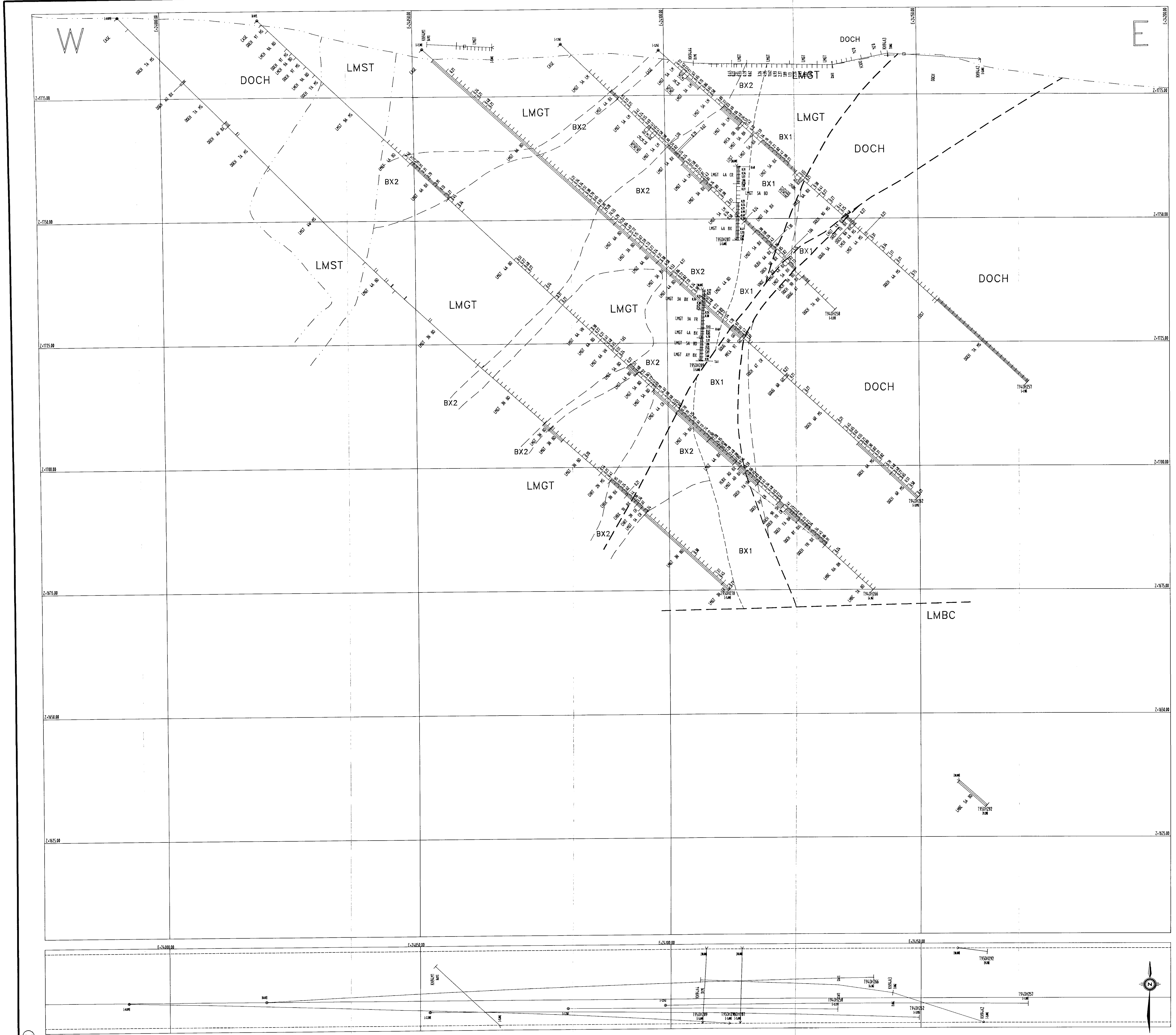
**NORTH AMERICAN METALS CORP.  
 GOLDEN BEAR MINE**

**URSA ZONE  
 VERTICAL SECTION  
 U27160N**

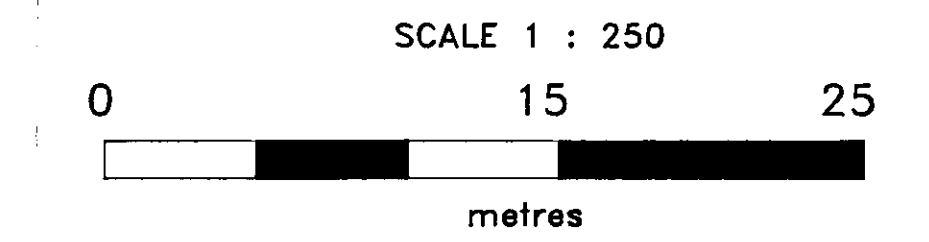
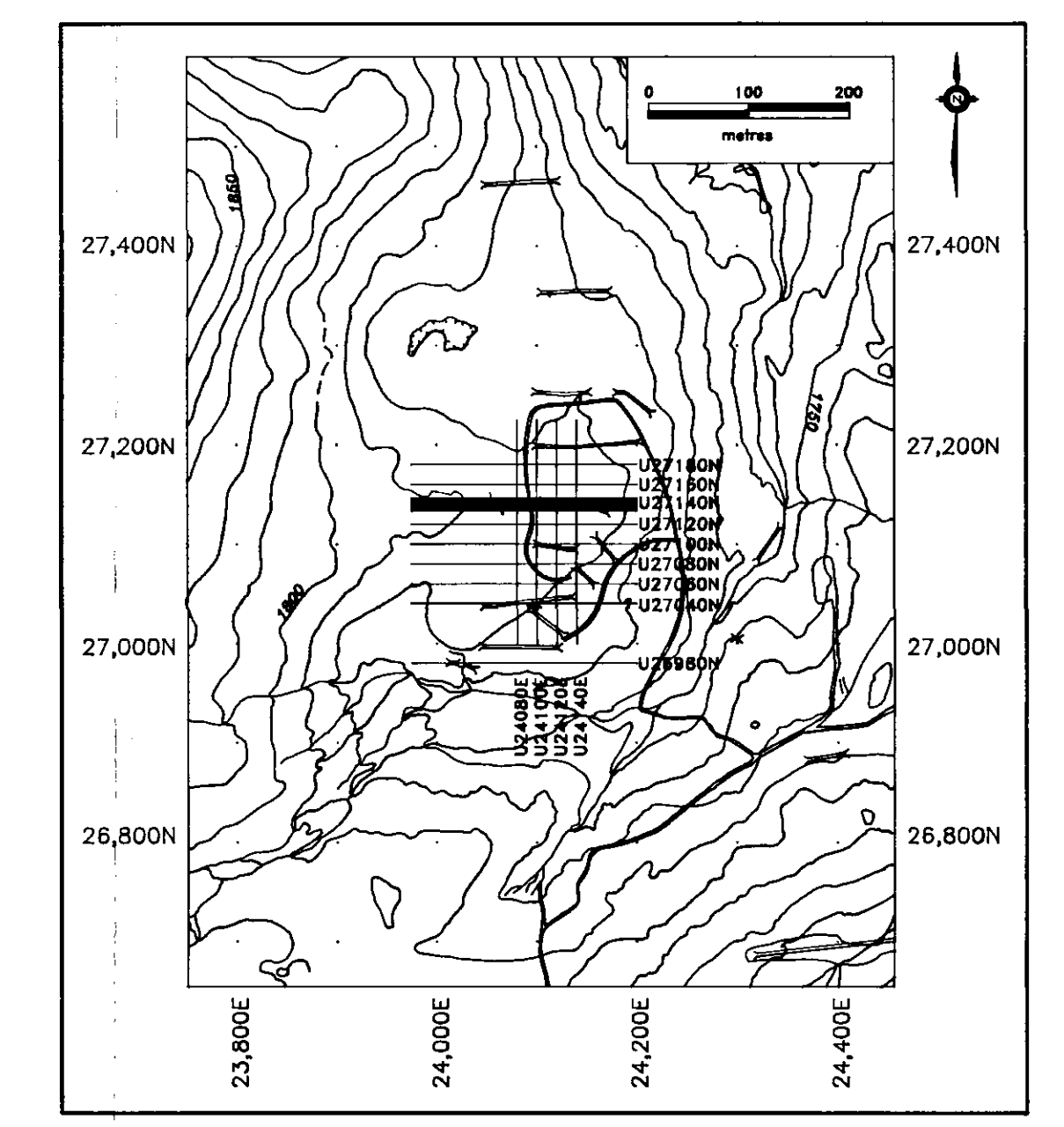
DRILL HOLE LITHOLOGIES & AU ASSAYS

Plate: 15 File: U27160NX  
 Drawing No:  
 Approved: Report:  
 Drawn By: LCP Date: Sep 20/95

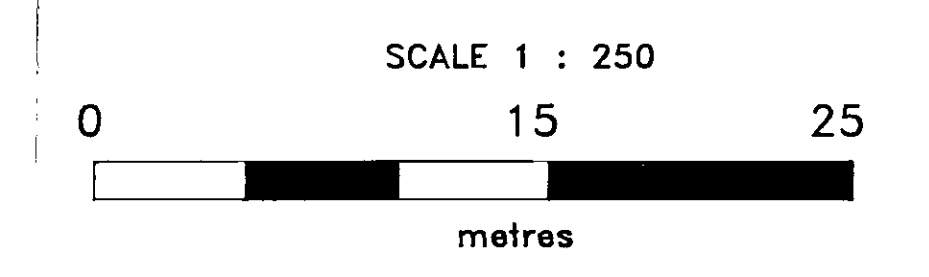
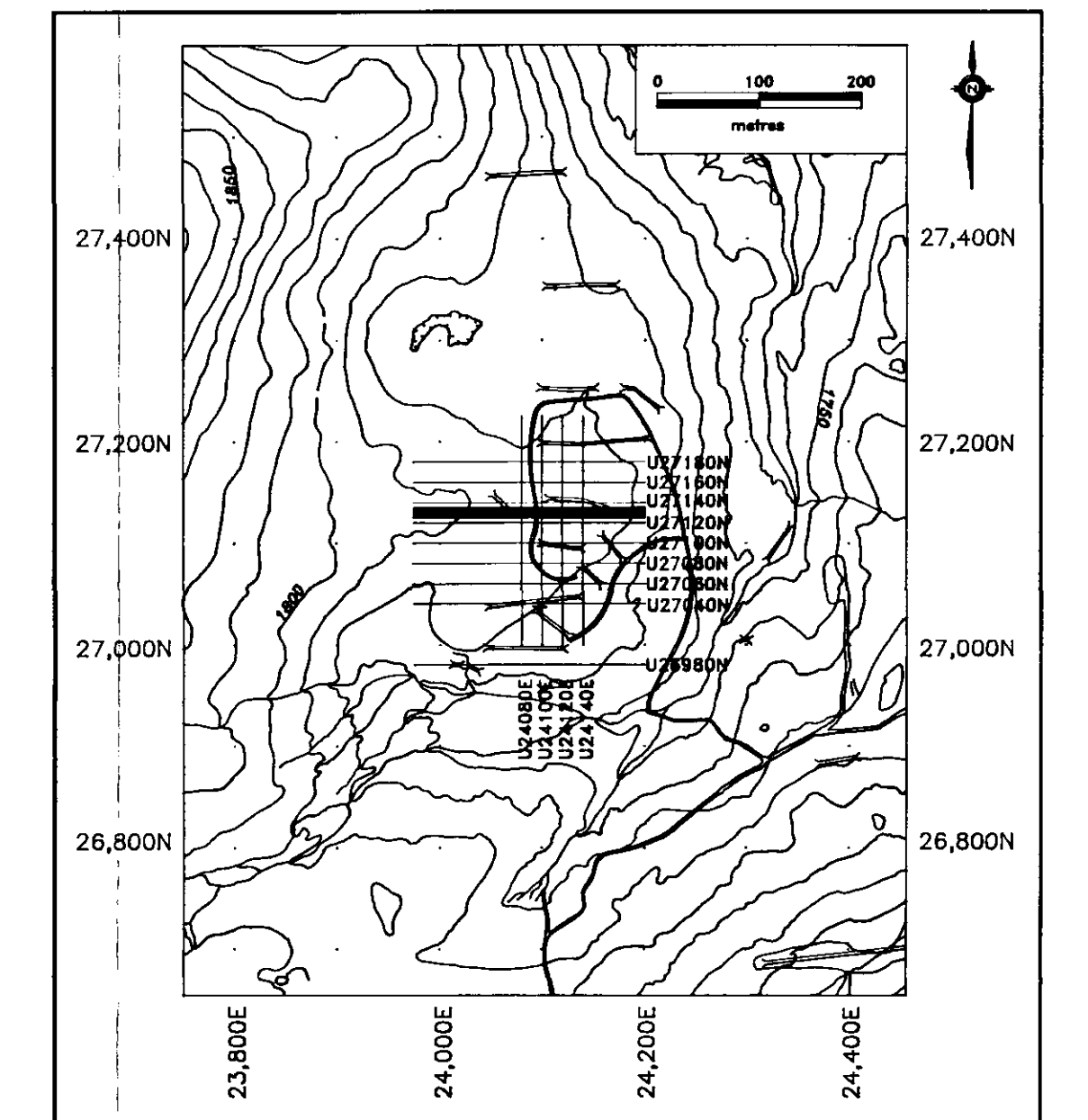
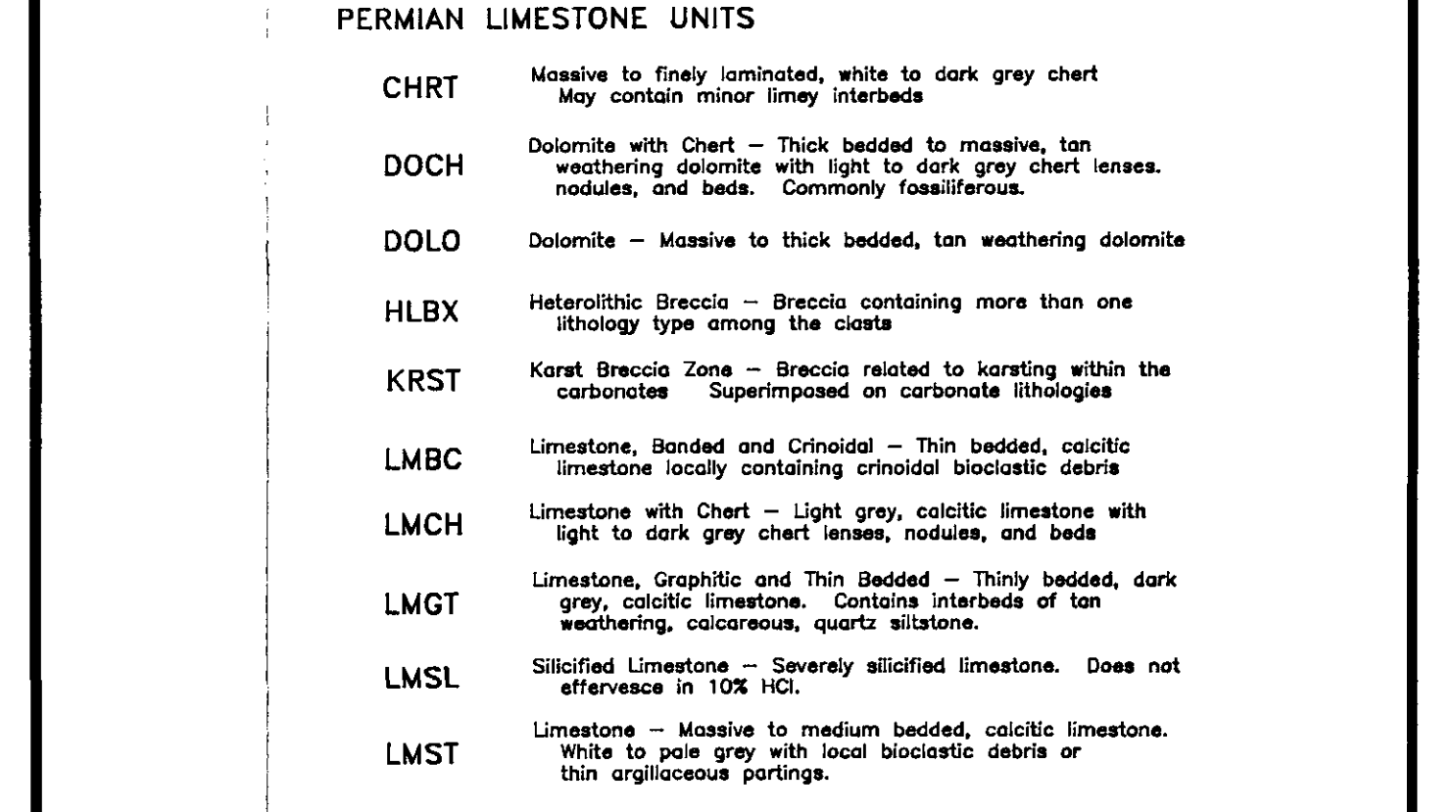
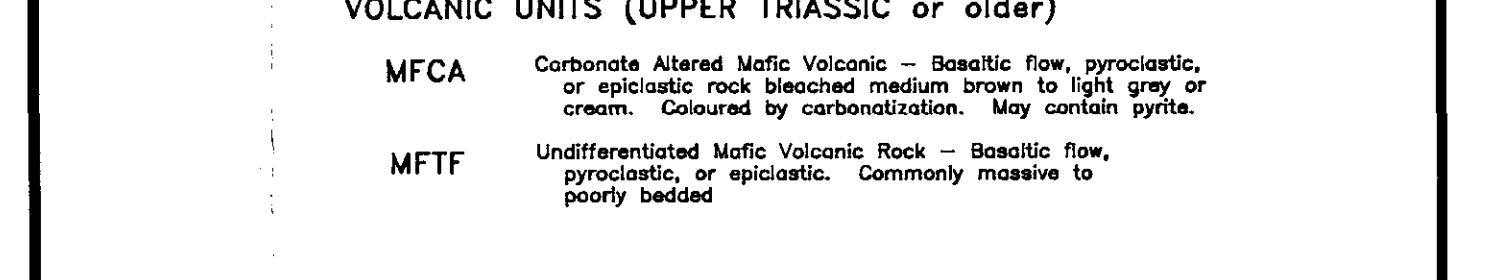
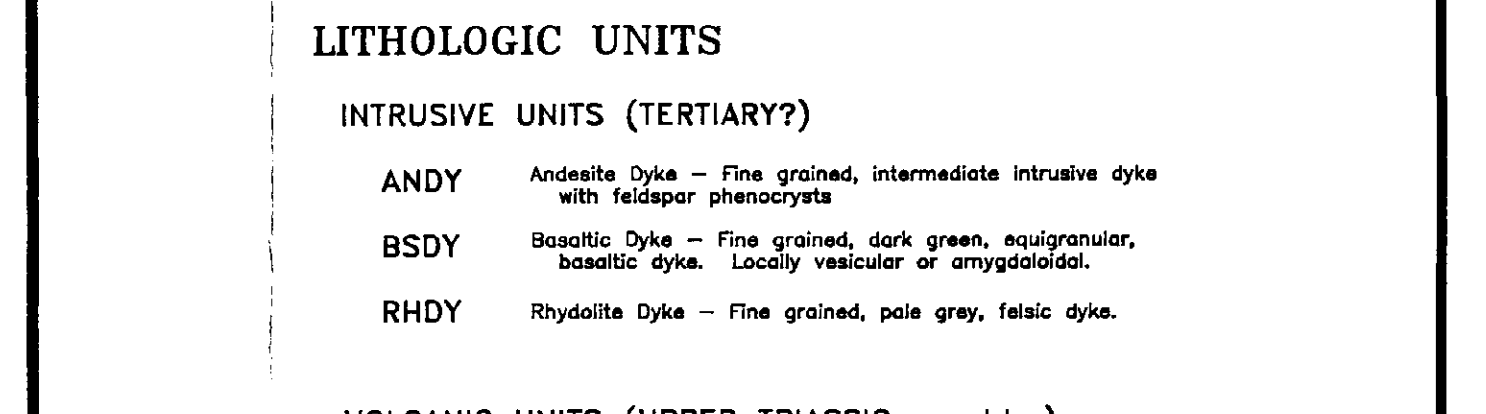
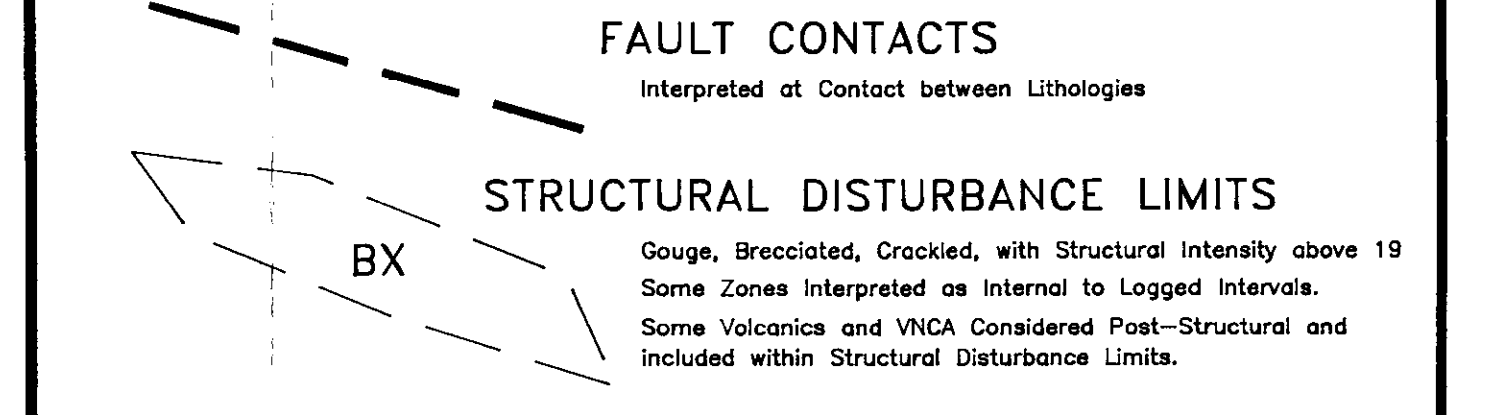
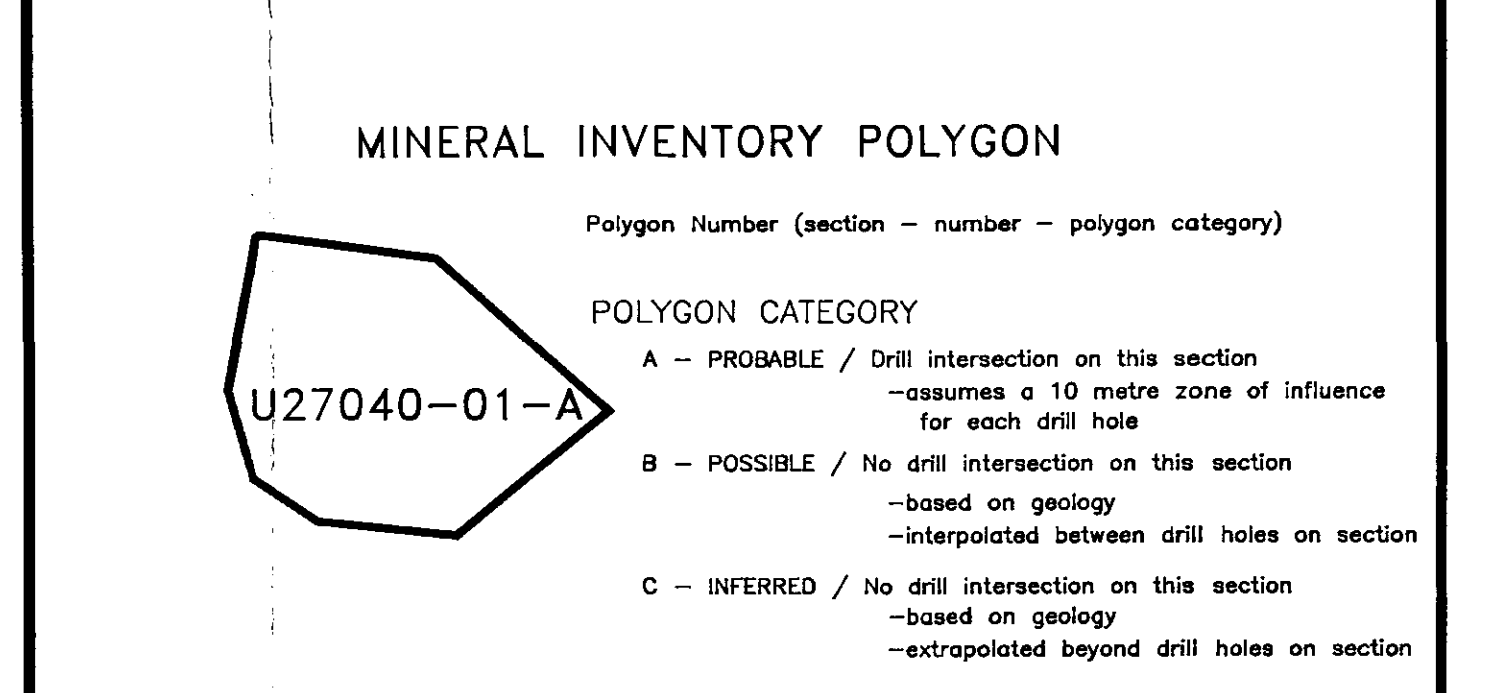
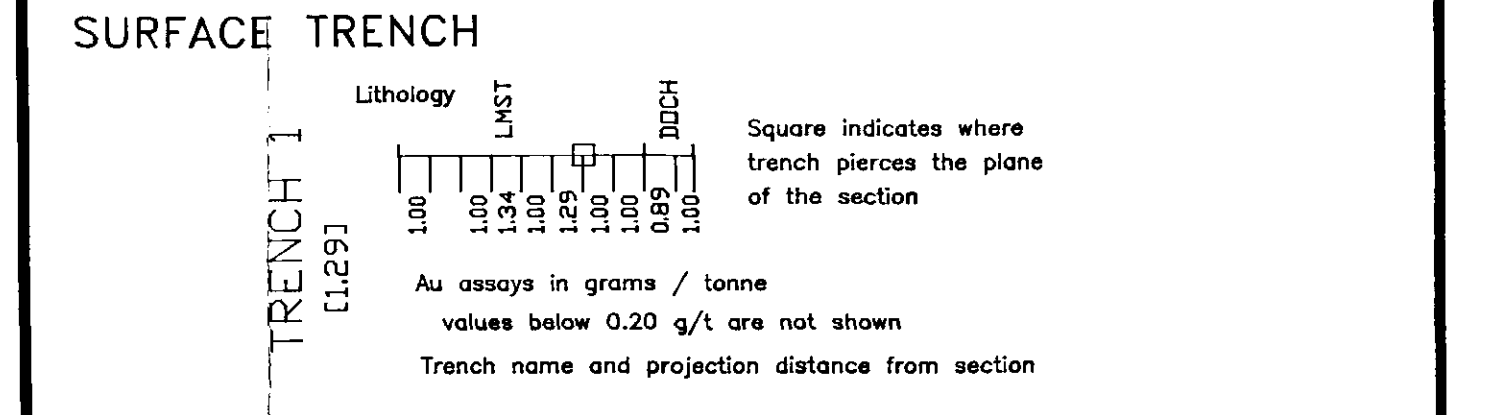
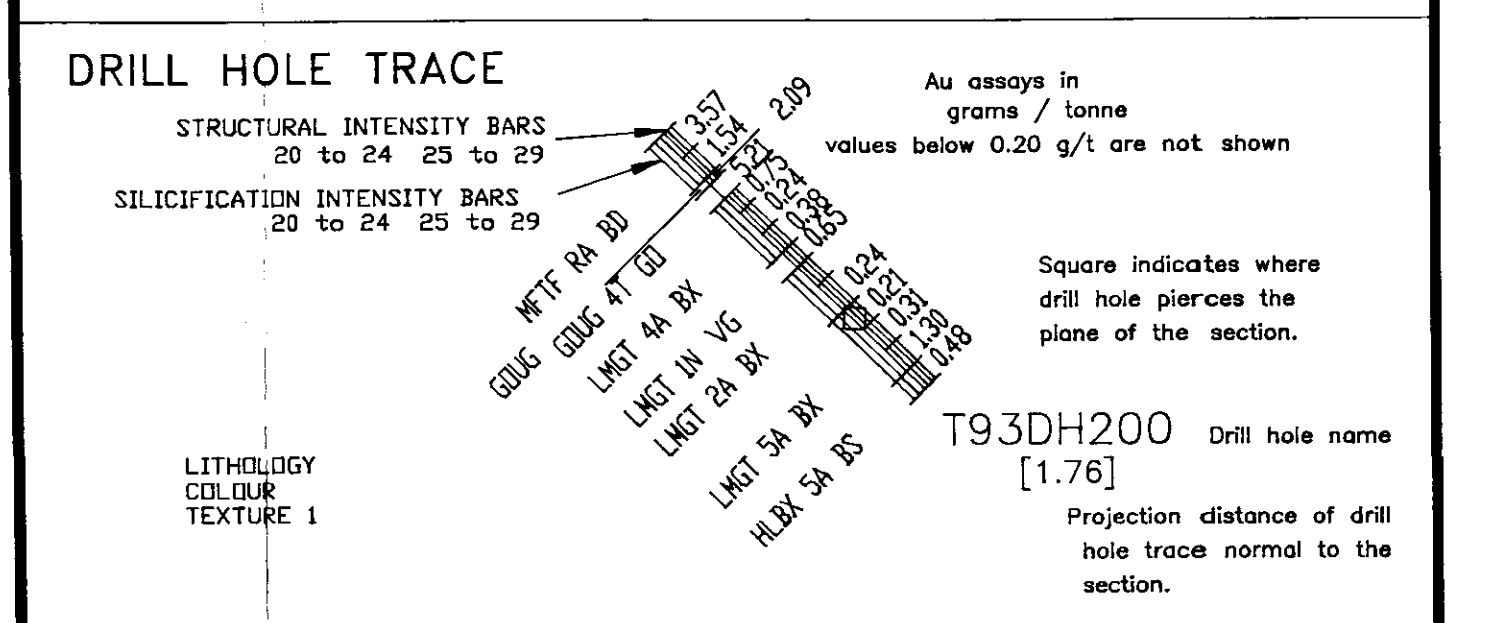
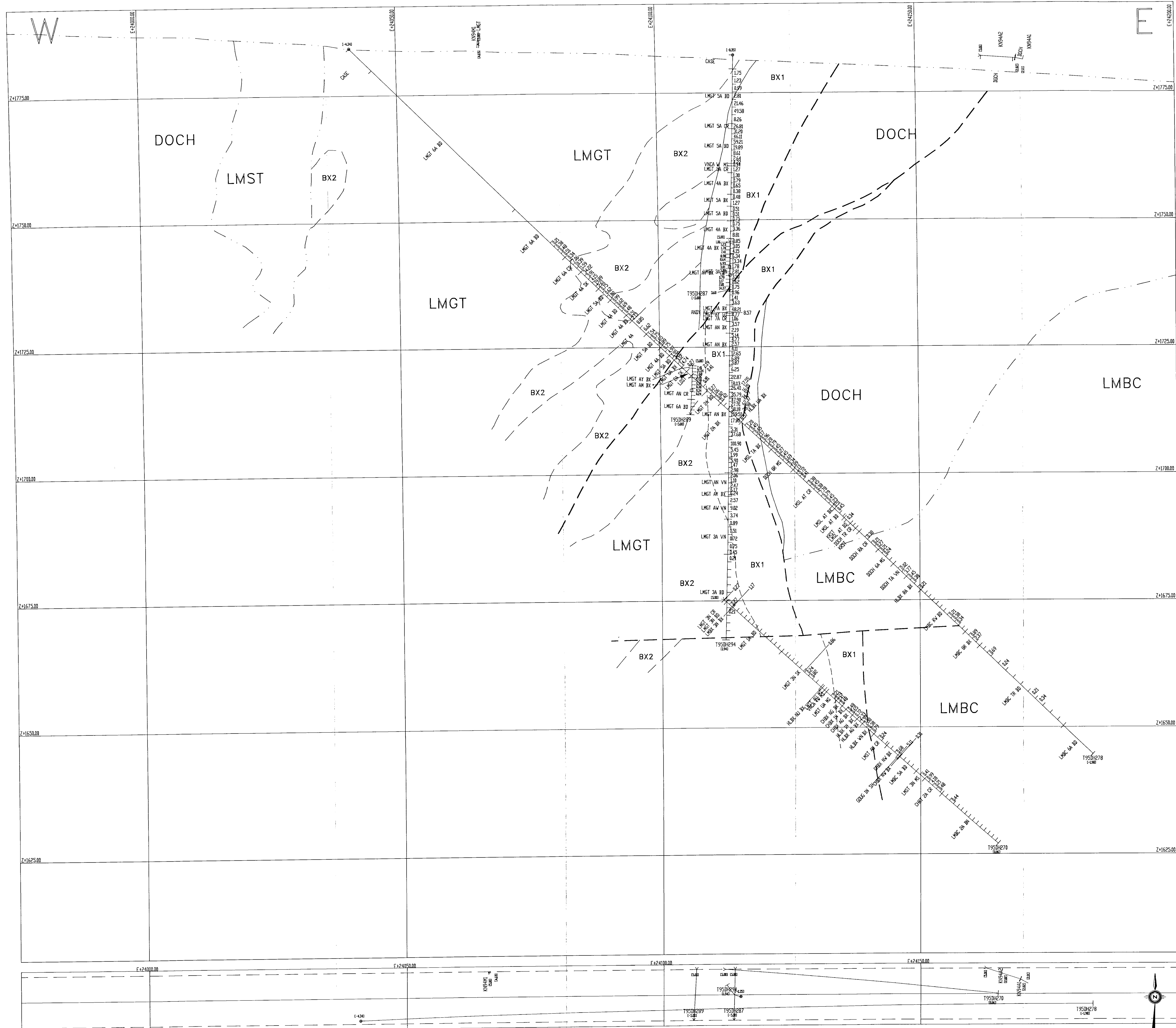




- LITHOLOGIC UNITS (TERTIARY?)**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dyke - Fine grained, intermediate intrusive dyke with leucite phenocrysts
- BSDY Basaltic Dyke - Fine grained, dark green, auguriferous, basaltic dyke. Locally vesicular or amygdaloidal.
- RHDY Rhyolite Dyke - Fine grained, pale grey, felsic dyke.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MFCA Carbonate altered mafic volcanic - Basaltic flow, pyroclastic, or epiclastic rock bleached medium brown to light grey or cream. Covered by carbonatization. May contain apfite.
- MFTF Undifferentiated mafic volcanic rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.
- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor limonite interbeds.
- DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
- DOLB Dolomite - Massive to thick bedded, tan weathering dolomite.
- HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.
- KRST Karst Breccia Zone - Breccia related to karsting within the carbonate. Subdivided on carbonate lithologies.
- LMBC Limestone, Bedded and Crinoid - Thin bedded, calcitic limestone locally containing crinoid bioherm debris.
- LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.
- LMGT Limestone, Graphitic and Thin Bedded - Thinly bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.
- LMSL Silified Limestone - Severely silified limestone. Does not effervesce in 10% HCl.
- LMST Limestone - Massive to medium bedded, calcitic limestone. Matrix to pale grey with local bioherm debris or thin argillaceous partings.



NORTH AMERICAN METALS CORP. GOLDEN BEAR MINE URSA ZONE VERTICAL SECTION U27140N DRILL HOLE LITHOLOGIES & AU ASSAYS	
Plate: 14 Drawing No: Approved: Drawn By: LCP	File: U27140NX Report: Date: Sep 21/95



REVISIONS		
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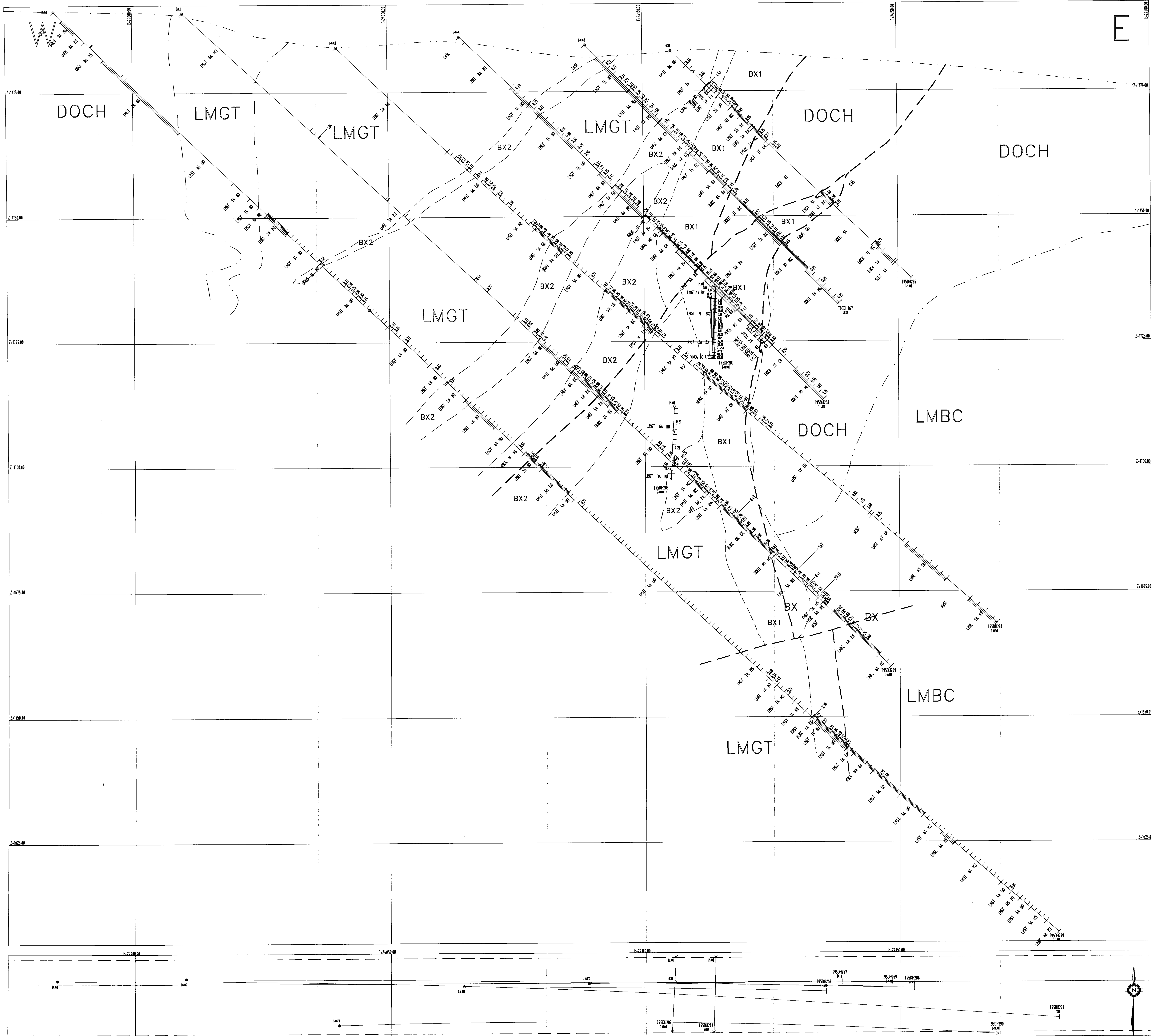
NORTH AMERICAN METALS CORP.  
 GOLDEN BEAR MINE

URSA ZONE  
 VERTICAL SECTION  
 U27130N

DRILL HOLE LITHOLOGIES & AU ASSAYS

Plate: 13 File: U27130NX  
 Drawing No:  
 Approved: Report:  
 Drawn By: LCP Date: Sep 21/95





**DRILL HOLE TRACE**

STRUCTURAL INTENSITY BARS  
 SPECIFICATION INTENSITY BARS

Au assays in grams / tonne  
 values below 0.20 g/t are not shown

Square indicates where drill hole pierces the plane of the section.

T93DH200 Drill hole name  
 [1.76]  
 Projection distance of drill hole trace normal to the section.

**SURFACE TRENCH**

Lithology

Au assays in grams / tonne  
 values below 0.20 g/t are not shown

Trench name and projection distance from section

**MINERAL INVENTORY POLYGON**

Polygon Number (section - number - polygon category)

**POLYGON CATEGORY**

A - PROBABLE / Drill intersection on this section  
 - assumes a 10 metre zone of influence for each drill hole

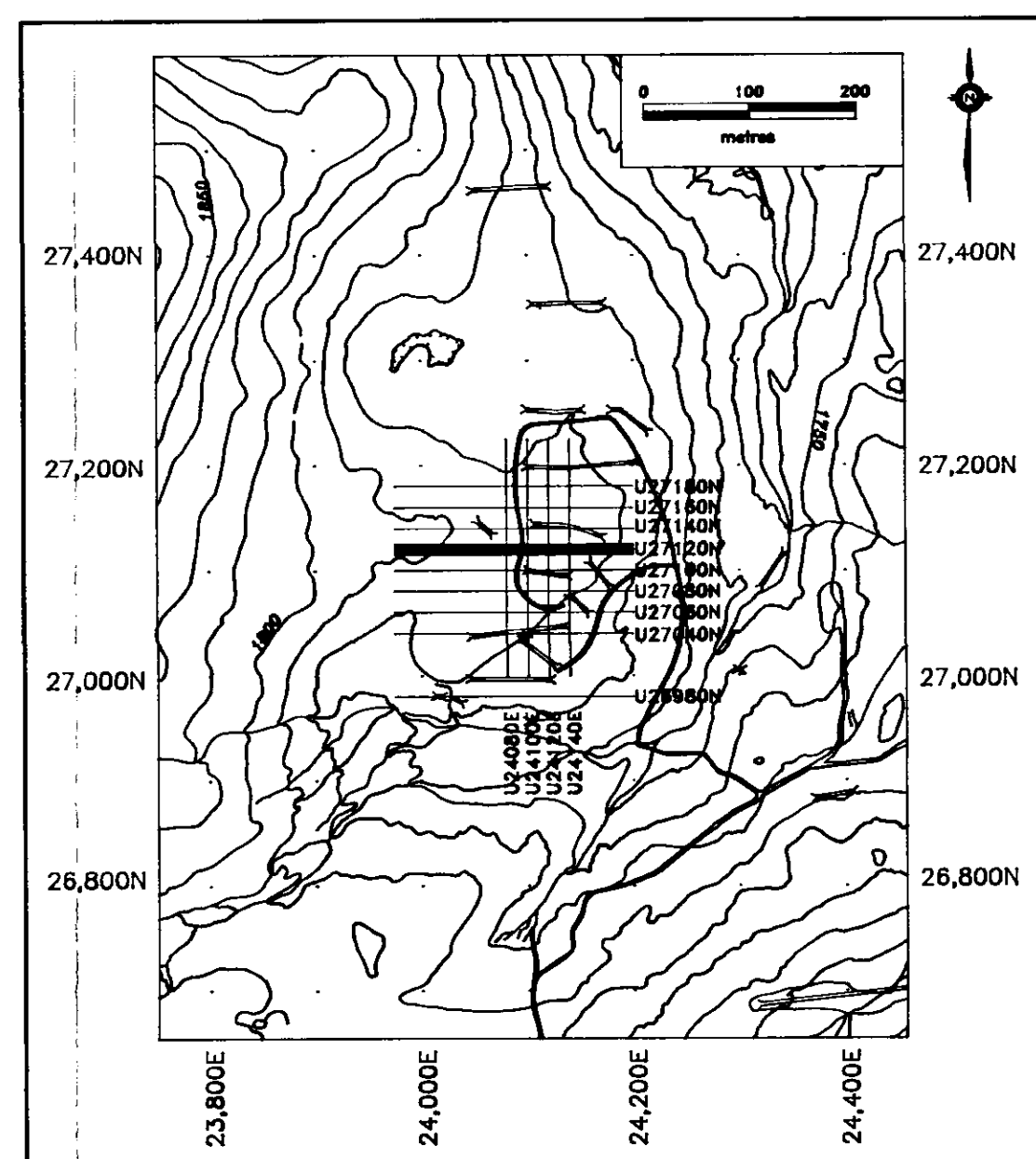
B - POSSIBLE / No drill intersection on this section  
 - based on geology  
 - interpolated between drill holes on section

C - INFERRED / No drill intersection on this section  
 - based on geology  
 - extrapolated beyond drill holes on section

**FAULT CONTACTS**  
 Interpreted at Contact between Lithologies

**STRUCTURAL DISTURBANCE LIMITS**  
 Groups, Brecciated, Cracked, with Structural Intensity above 19  
 Some Zones Interpreted as Internal to Logged Intervals.  
 Some Volcanics and MICA Considered Fault-Structural and included within Structural Disturbance Limits.

- LITHOLOGIC UNITS**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with feldspar phenocrysts
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or stringer.
  - RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MICA Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or extrusive rock bleached medium brown to light grey or cream. Covered by carbonatization. May contain sphales.
  - MFTF Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or extrusive. Commonly massive to poorly bedded.
- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor interbedded interstratified.
  - DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DOLO Dolomite - Massive to thick bedded, tan weathering dolomite
  - HLBX Heladochino Breccia - Breccia containing more than one lithology type among the clasts
  - KRST Karst Breccia Zone - Breccia related to karsting within the volcanics. Superimposed on various lithologies
  - LMBC Limestone, bedded and crinoidal - Thin bedded, calcitic limestone locally containing crinoidal bioherm debris
  - LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds
  - LMGT Limestone, Graphitic and Thin Bedded - Thinly bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.
  - LMSL Silicified Limestone - Severely silicified limestone. Does not adhere to 10% HCl.
  - LMST Limestone - Massive to medium bedded, calcitic limestone. White to pale grey with local bioherm debris or thin argillaceous partings.



SCALE 1 : 250  
 0 15 25  
 metres

REVISIONS		Date	
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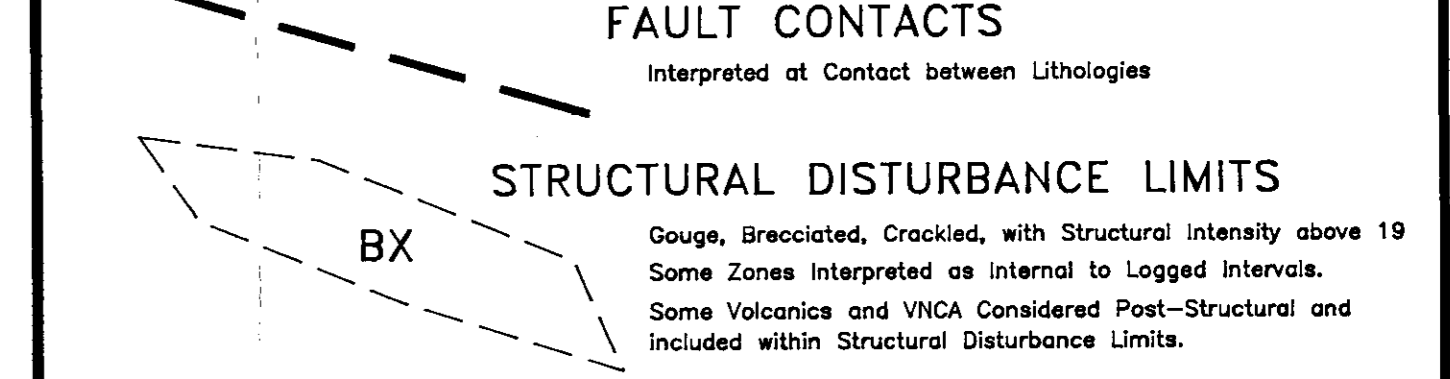
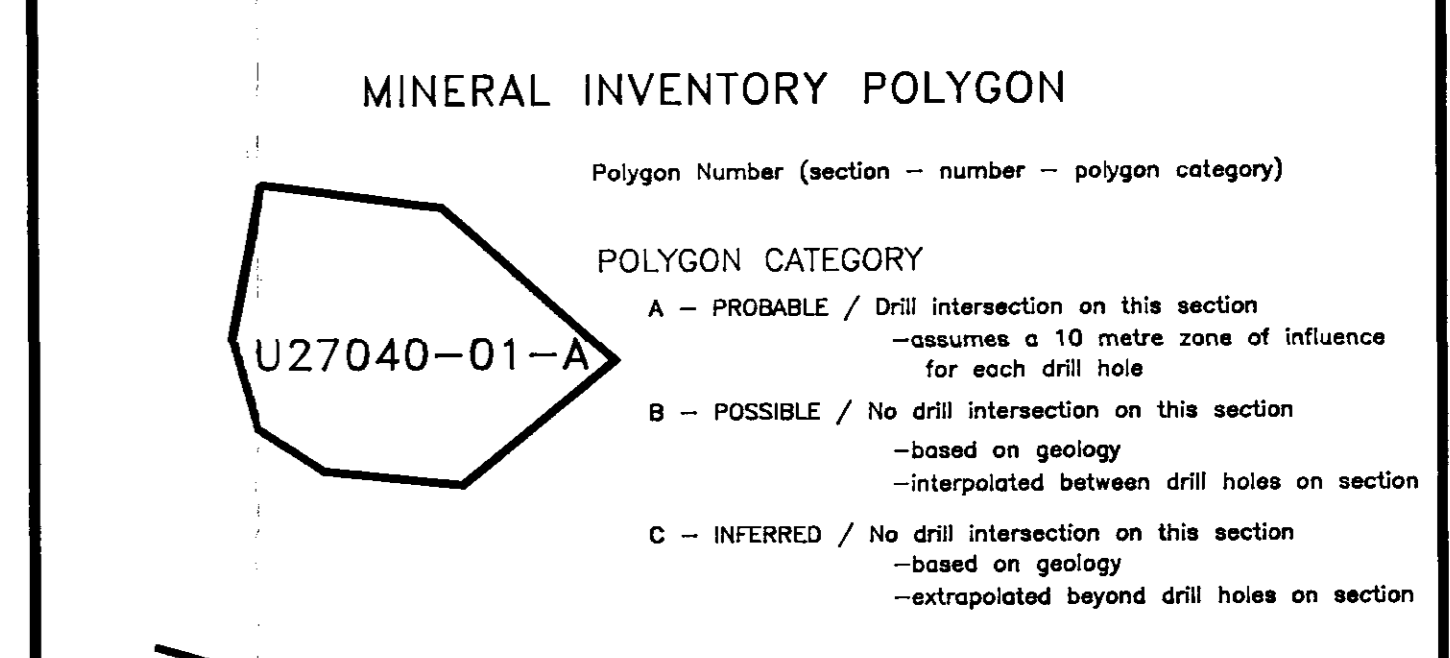
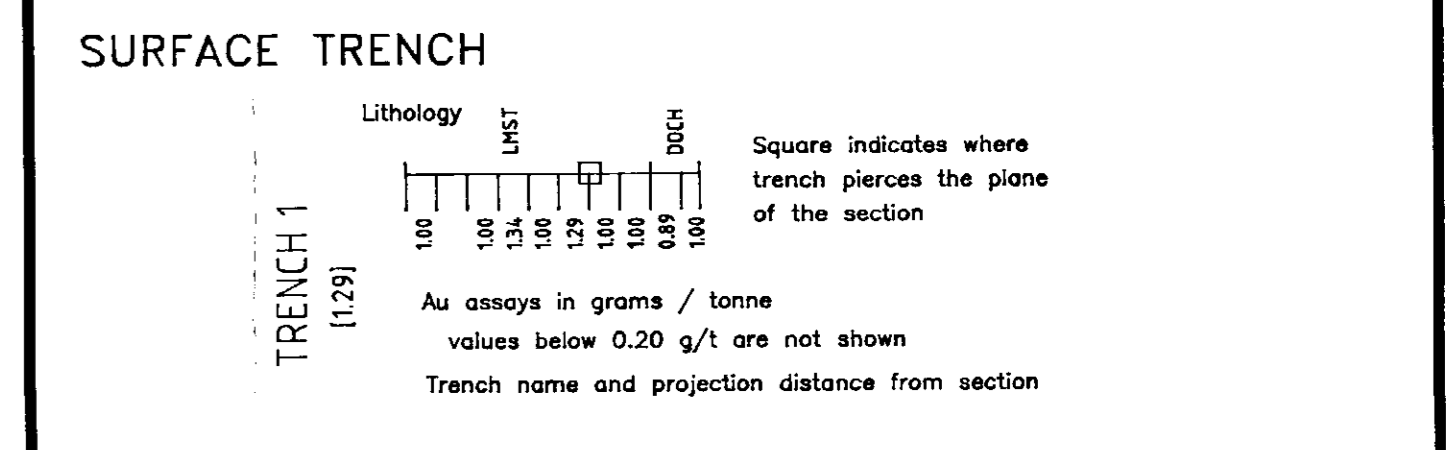
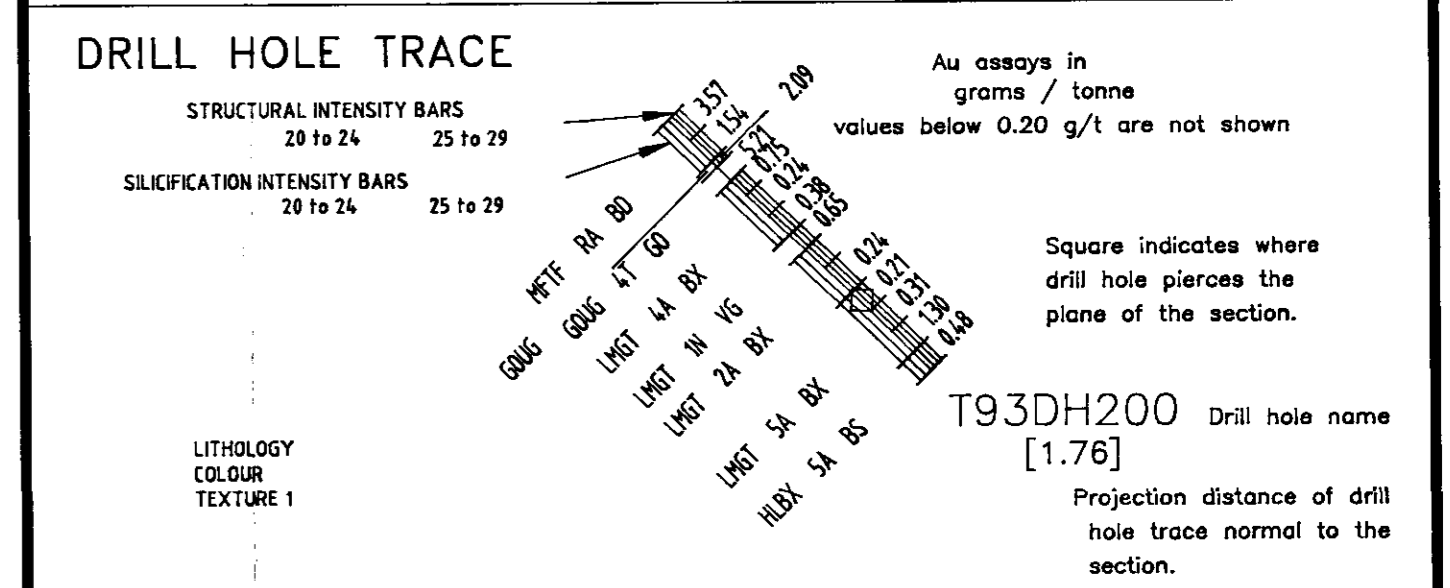
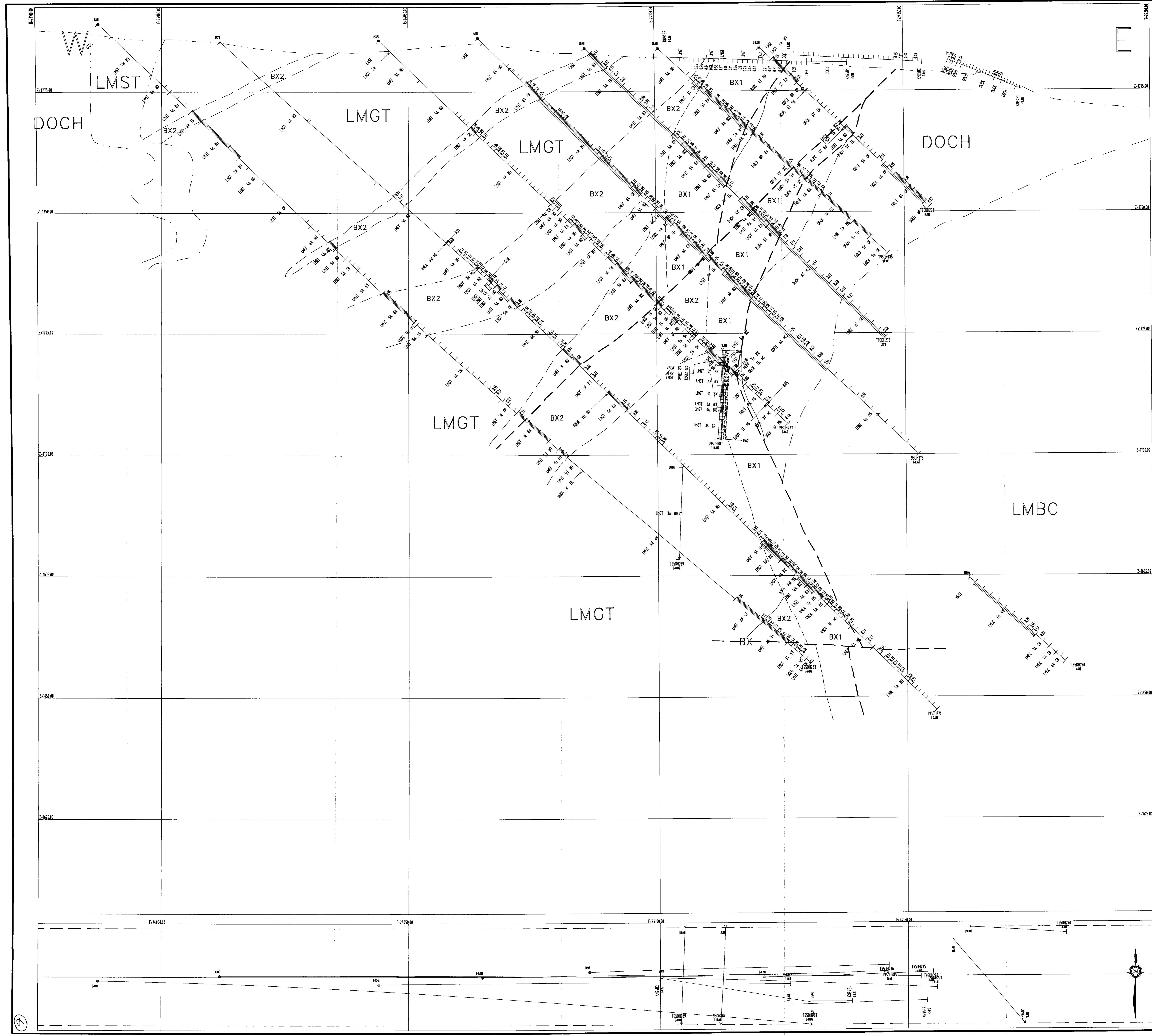
**NORTH AMERICAN METALS CORP.  
 GOLDEN BEAR MINE**

**URSA ZONE  
 VERTICAL SECTION  
 U27120N**

DRILL HOLE LITHOLOGIES & AU ASSAYS

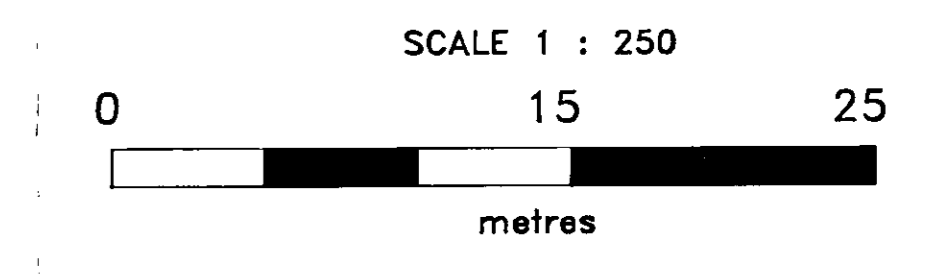
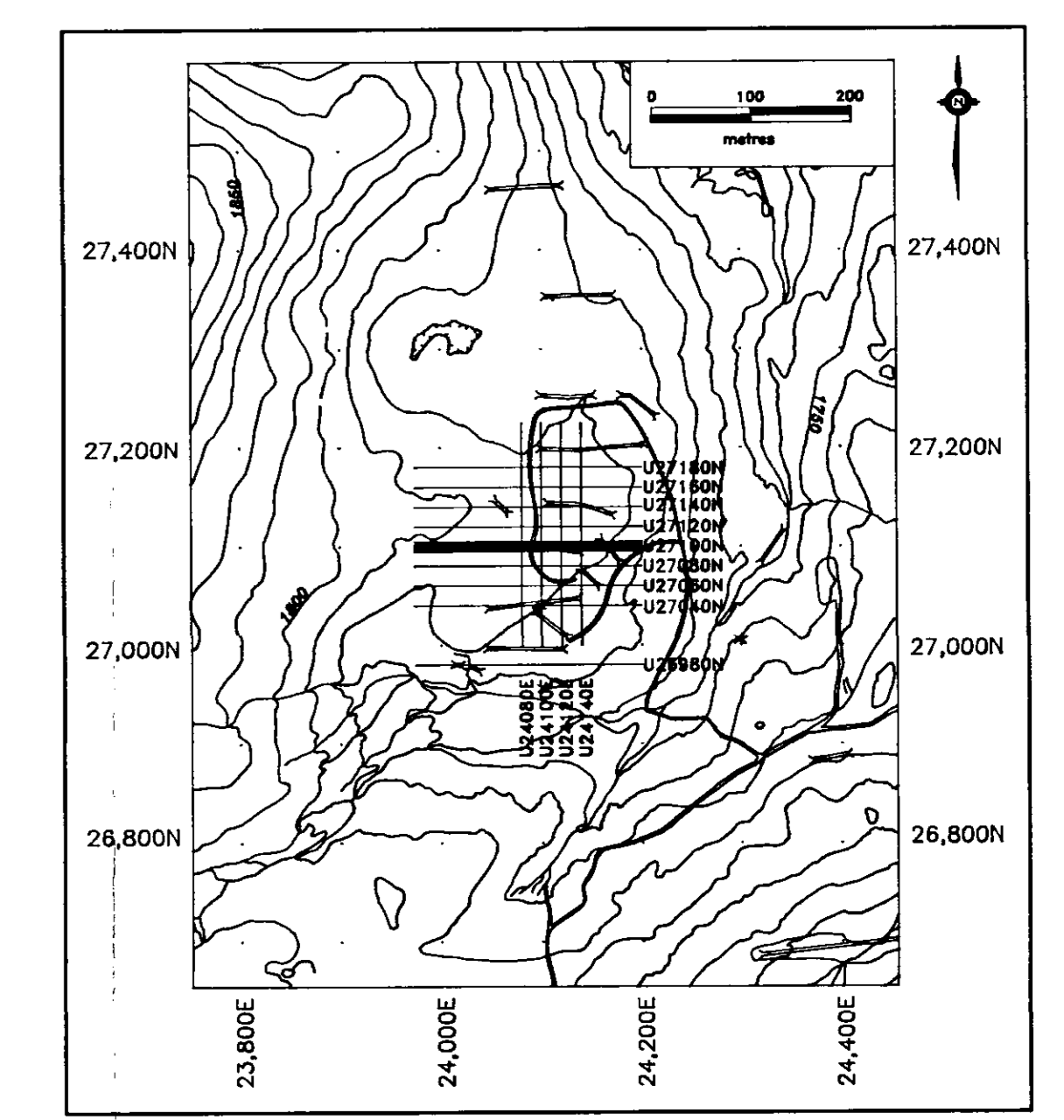
Plate: /Z File: U27120NX  
 Drawing No:  
 Approved: Report:  
 Drawn By: LCP Date: Sep 21/95

57



- LITHOLOGIC UNITS**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with felsic phenocrysts
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or amygdaloidal.
  - RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MFCA Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or epiclastic rock banded medium brown to light grey or cream. Coloured by carbonatization. May contain rhyolite.
  - MFTF Unfractionated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.

- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor limy interbeds.
  - DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DDLO Dolomite - Massive to thick bedded, tan weathering dolomite.
  - HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.
  - KRST Kest Breccia Zone - Breccia related to faulting within the carbonates. Superimposed on carbonate lithologies.
  - LMBC Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally containing crinoidal bioherms.
  - LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.
  - LMGT Limestone, Crinoidal and Thin Bedded - Thin bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.
  - LMST Silicified Limestone - Severely silicified limestone. Does not effervesce in 10% HCl.
  - LMST Limestone - Bedded to medium bedded, calcitic limestone. White to pale grey with local biohermal debris or thin argillaceous partings.

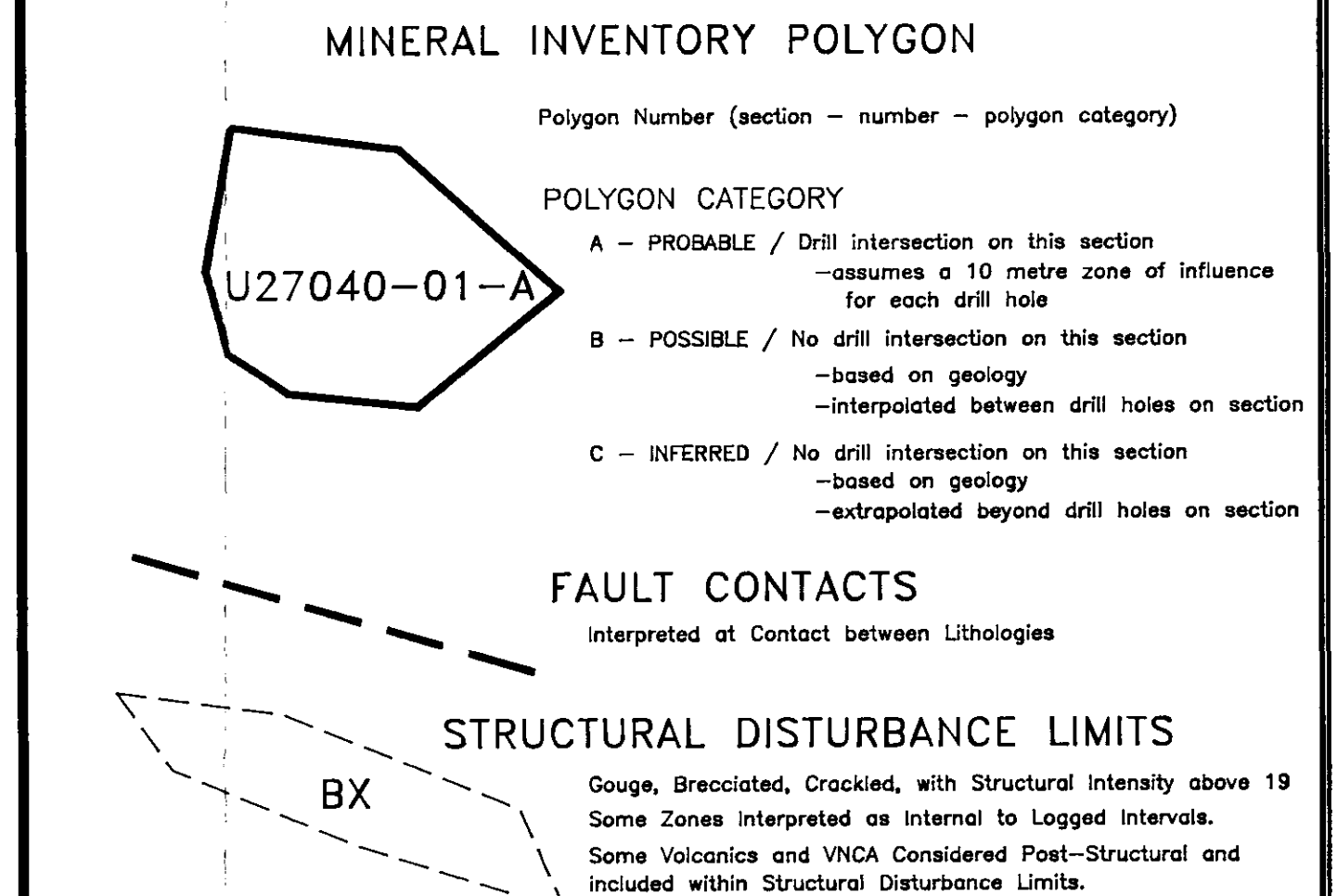
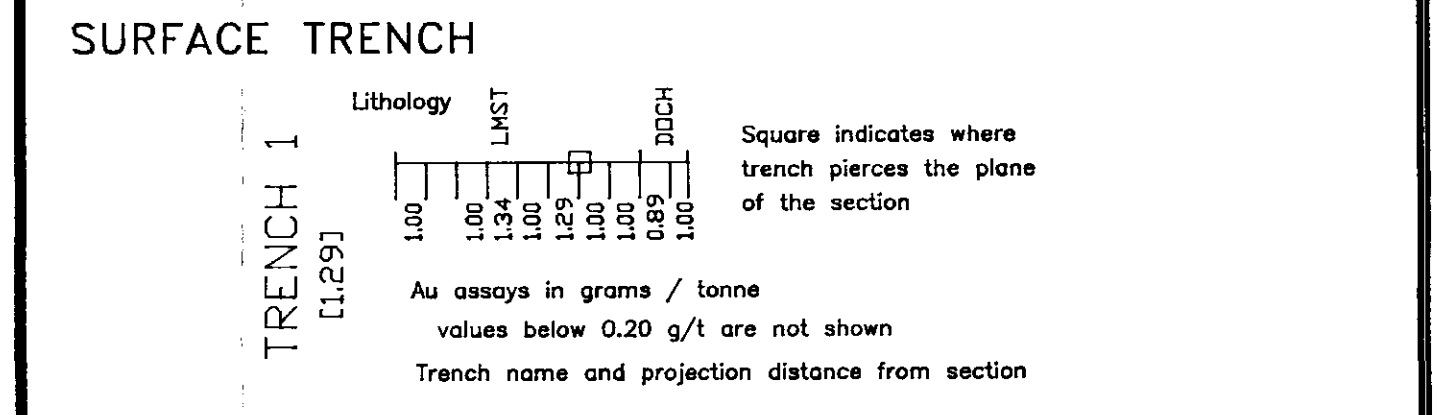
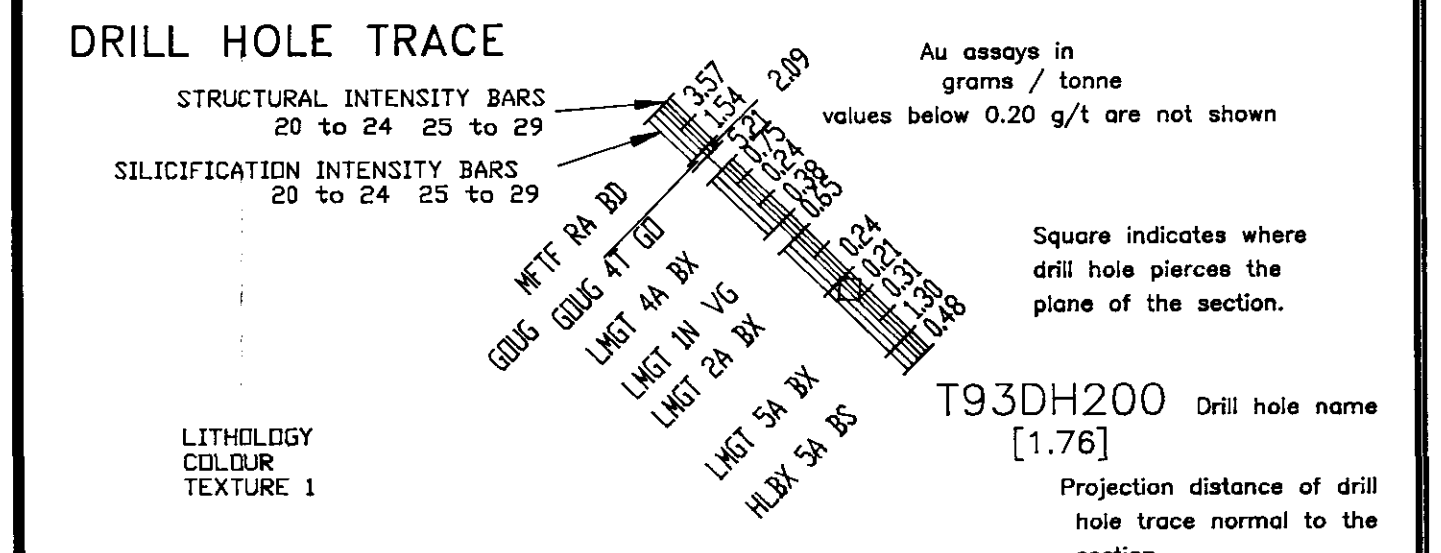


NORTH AMERICAN METALS CORP. GOLDEN BEAR MINE URSA ZONE VERTICAL SECTION <b>U27100N</b> DRILL HOLE LITHOLOGIES & AU ASSAYS	
Plate: 11 Drawing No: Approved: Drawn By: LCP	File: U27100NX Report: Date: Sep 22/95

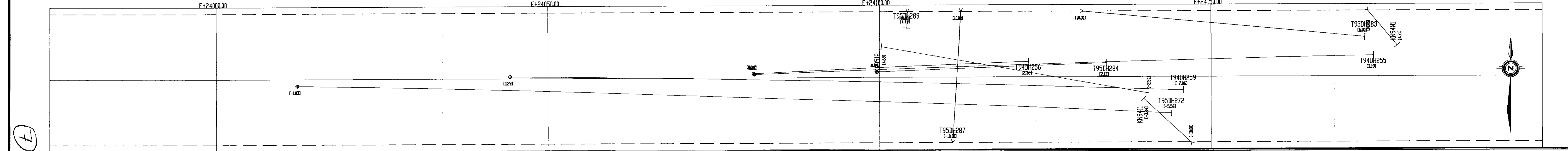
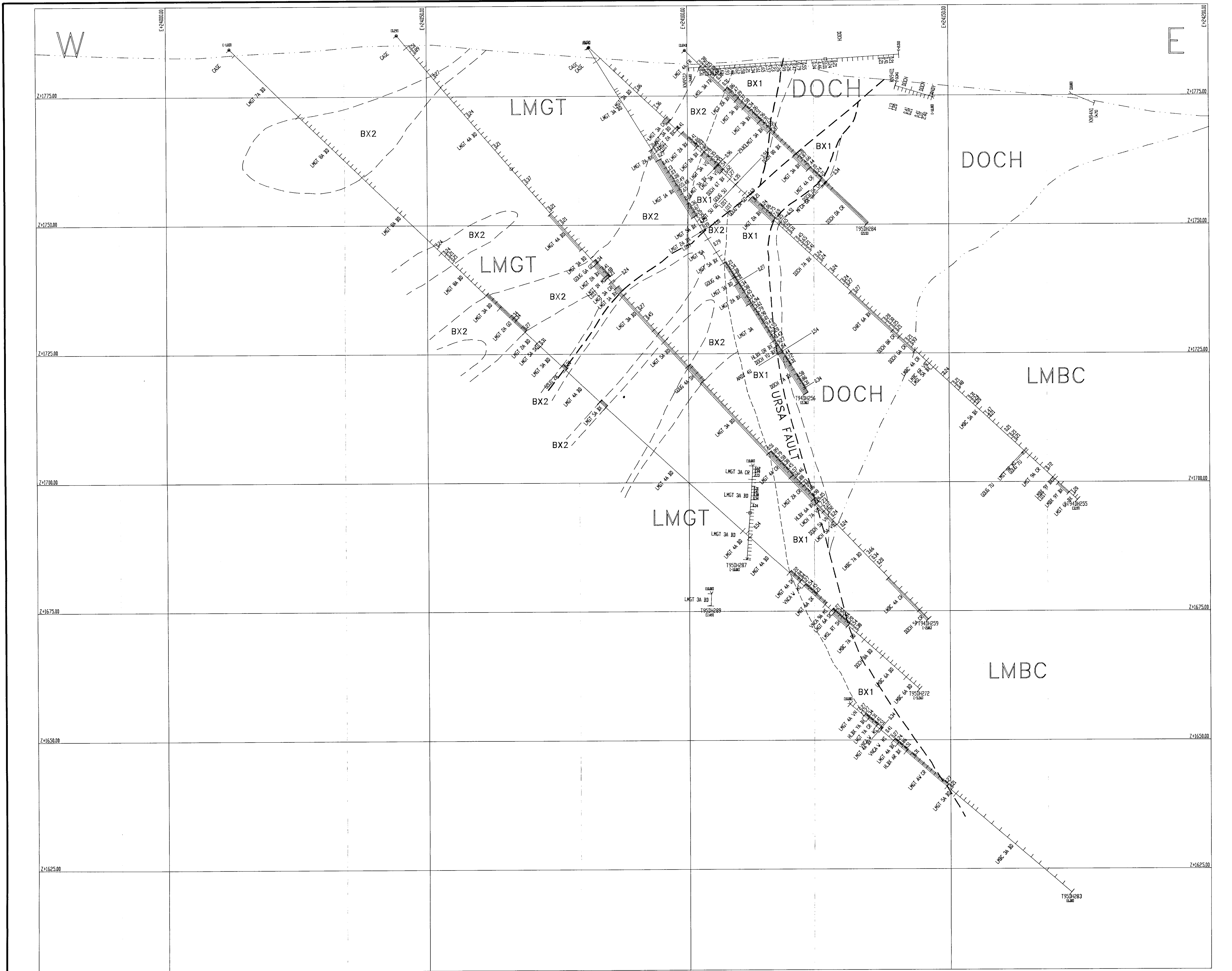
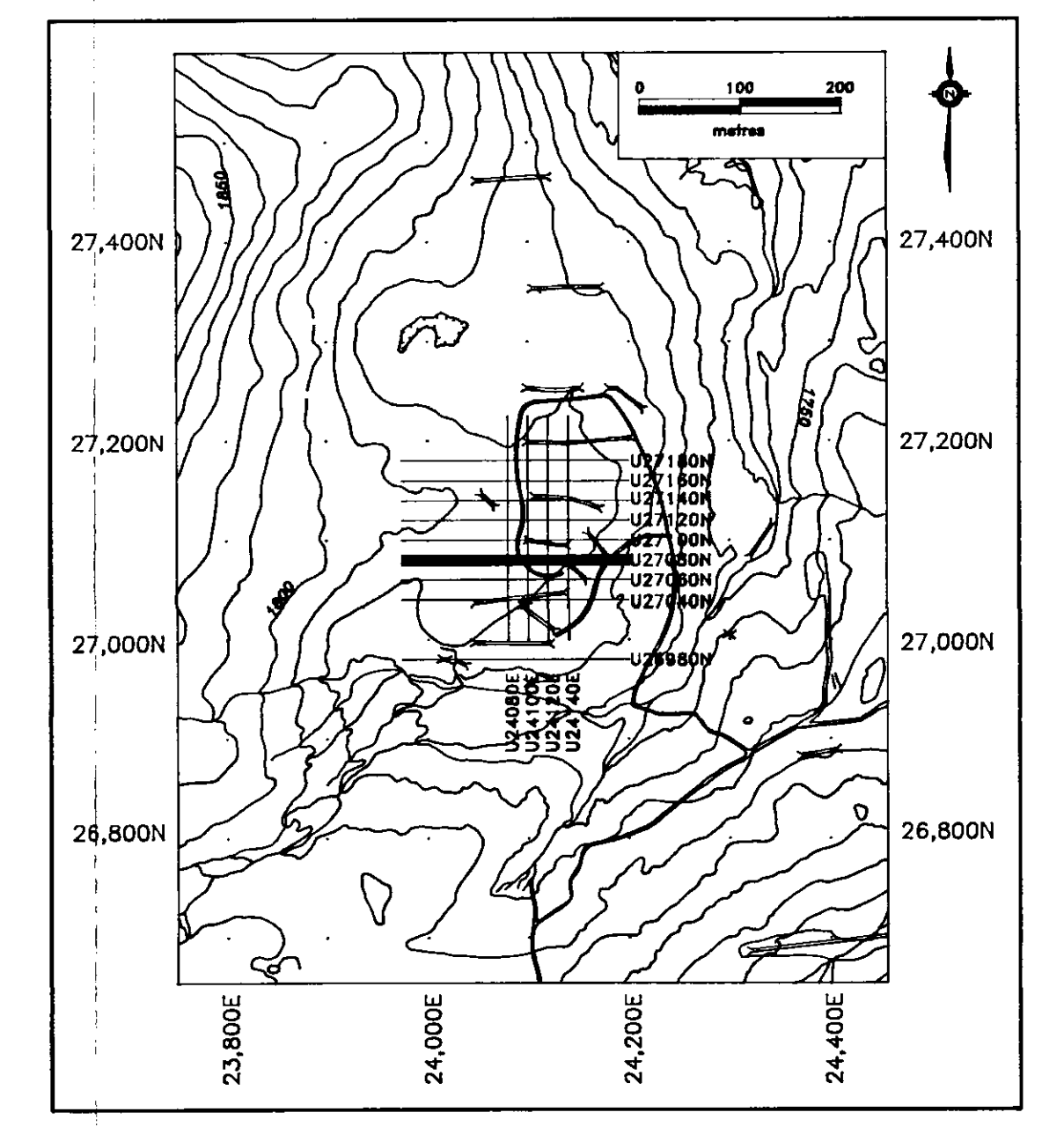
REVISIONS	
No	Date



LEGEND



- LITHOLOGIC UNITS**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with feldspar phenocrysts
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or congealed.
  - RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MVCA Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or epiclastic rock bleached medium brown to light grey or cream. Coloured by carbonatization. May contain dyke.
  - MFTF Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.
- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor iron pyrites.
  - DOCH Dolomite with chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DOLO Dolomite - Massive to block bedded, tan weathering dolomite.
  - HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.
  - KRST Karst Breccia Zone - Breccia related to karsting within the carbonate. Superimposed on carbonate lithologies.
  - LMCH Limestone, Banded and Crinoidal - Thin bedded, oolitic limestone locally containing crinoidal biohermal debris.
  - LMGT Limestone with Chert - Light grey, oolitic limestone with light to dark grey chert lenses, nodules, and beds.
  - LMSL Silicified Limestone - Severely silicified limestone. Does not differ in color.
  - LMST Limestone - Massive to medium bedded, oolitic limestone. White to pale grey with local biohermal debris or thin argillaceous partings.



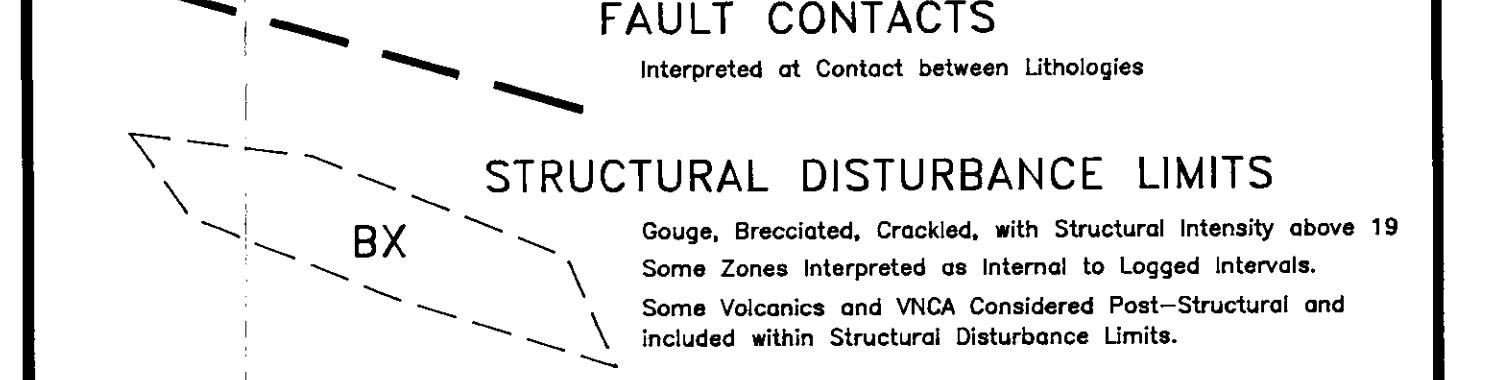
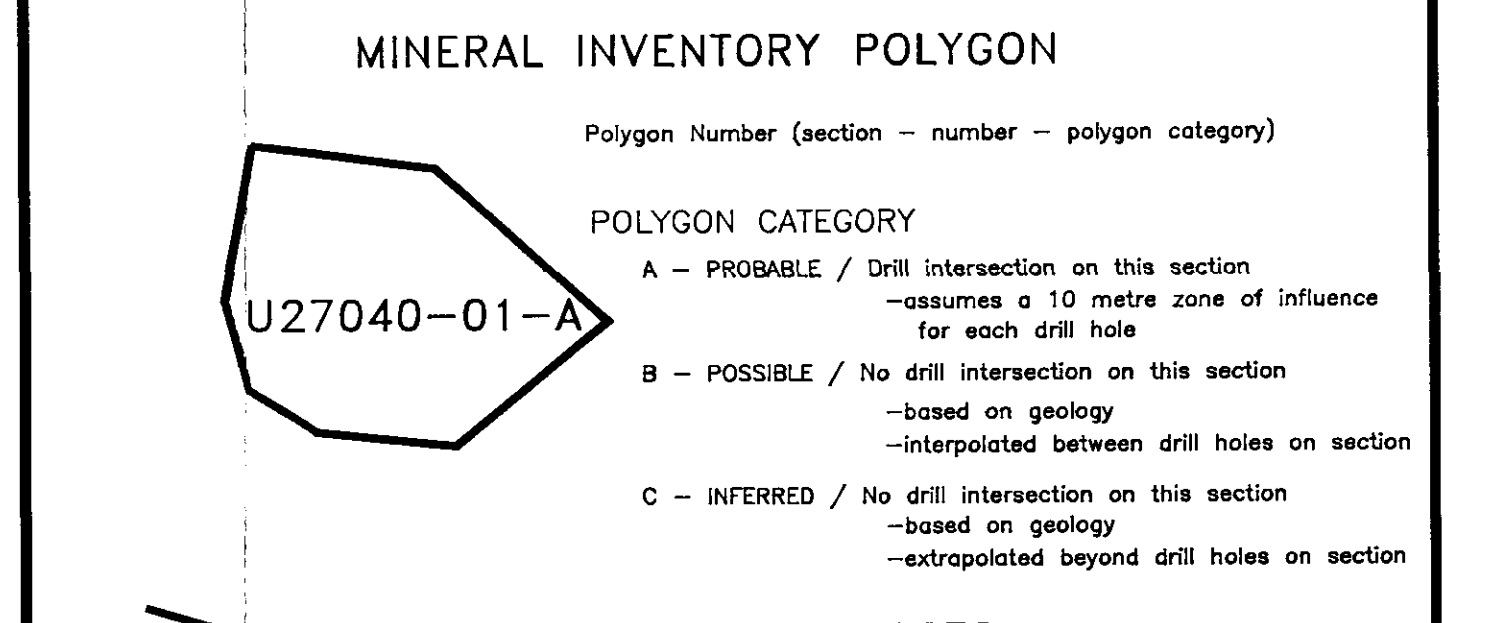
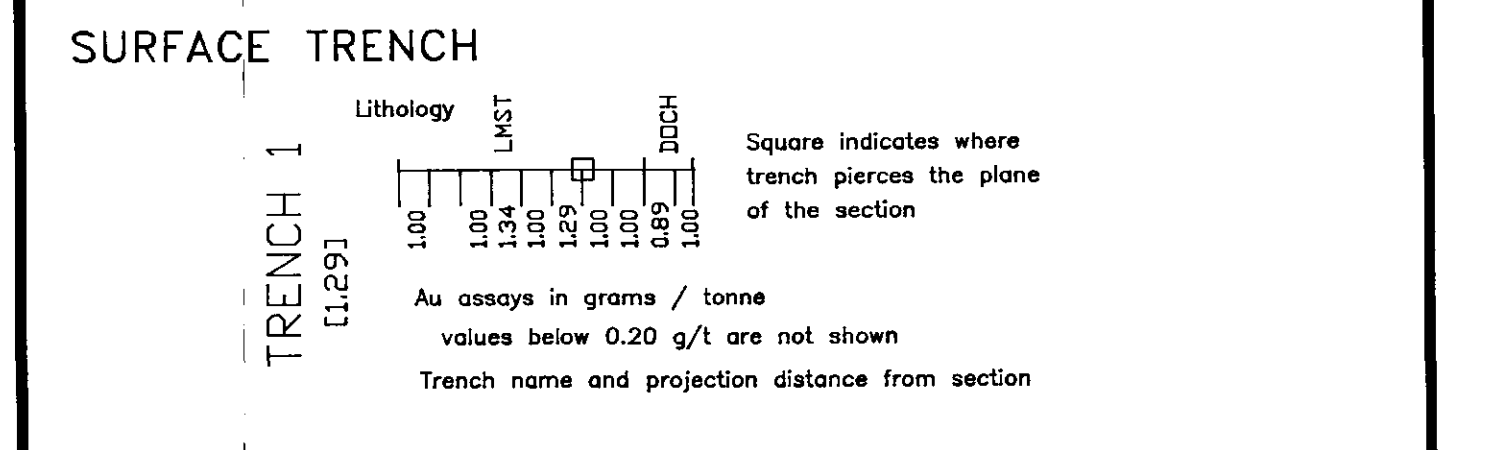
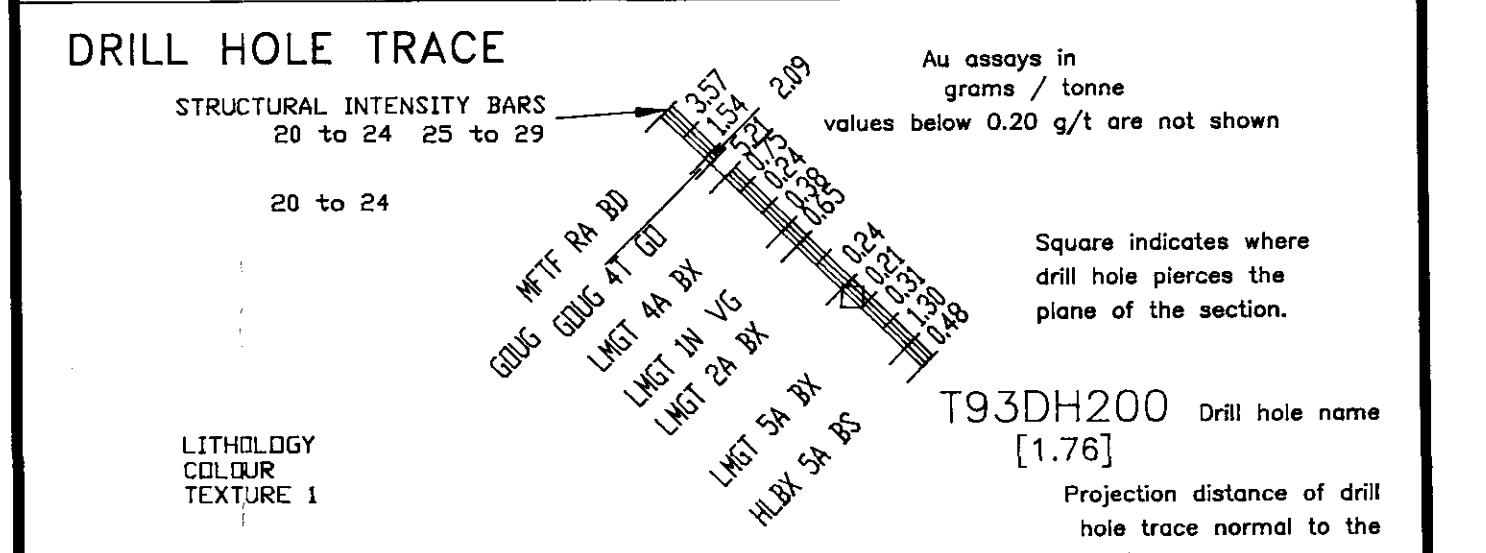
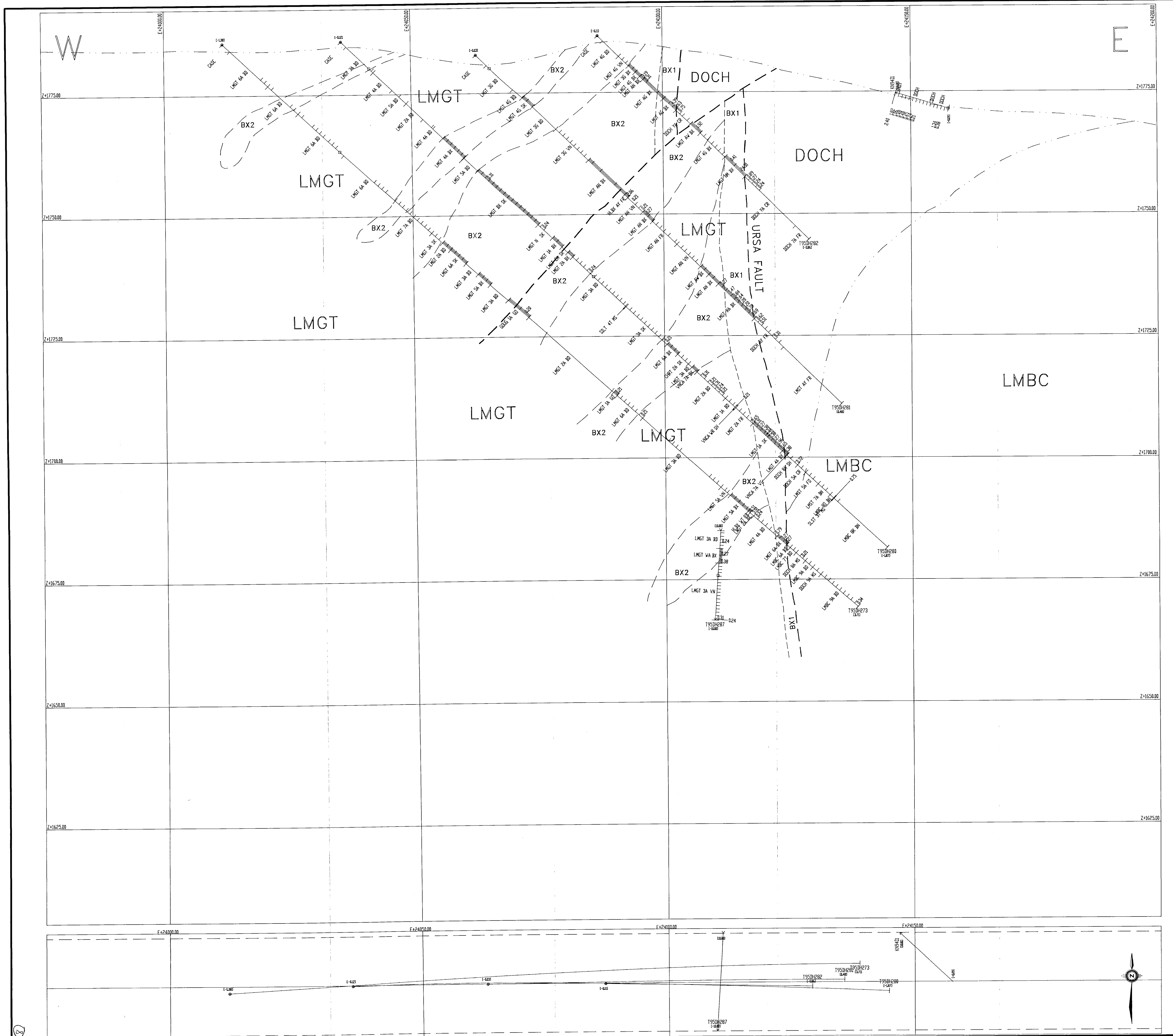
REVISIONS	
No	Date

**NORTH AMERICAN METALS CORP.**  
**GOLDEN BEAR MINE**

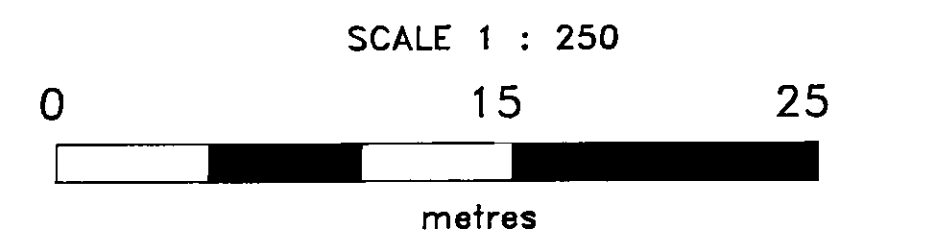
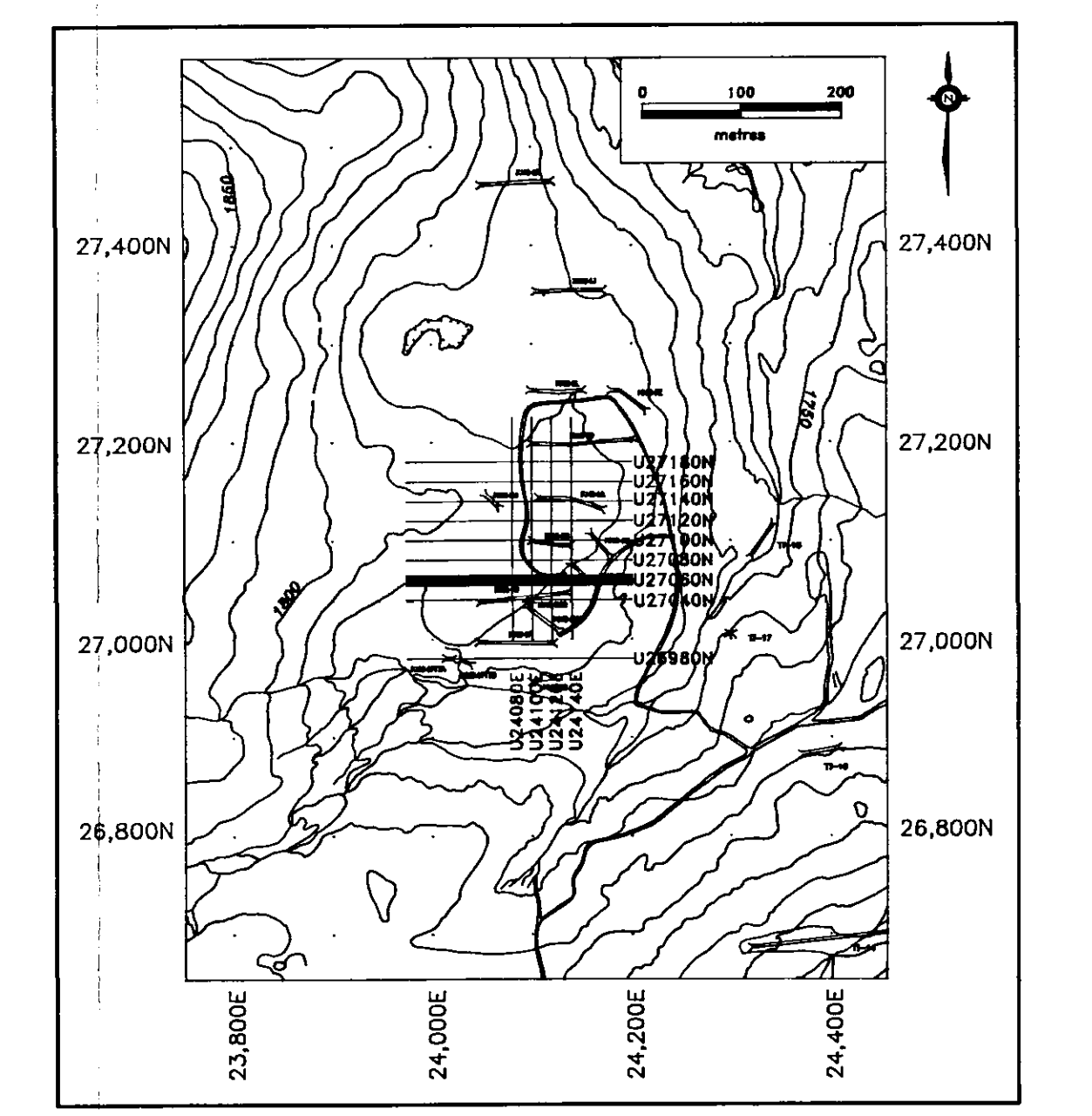
**URSA ZONE**  
**VERTICAL SECTION**  
**U27080N**

DRILL HOLE LITHOLOGIES & AU ASSAYS

Plate: 10 File: U27080NX  
Drawing No:  
Approved: Report:  
Drawn By: LCP Date: Sep 22/95



- LITHOLOGIC UNITS (TERTIARY?)**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with felsic porphyry
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or amygdaloidal.
  - RHDY Rhyolite Dike - Fine grained, pale grey, rhyolite dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MFCM Carbonate altered mafic volcanic - Basaltic flow, pyroclastic, or epiclastic rock bleached medium brown to light grey or cream. Covered by sedimentation. May contain spha.
  - MFTF Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.
- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor limonite interbeds.
  - DOCH Dolomite with chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DOLO Dolomite - Massive to thick bedded, tan weathering dolomite.
  - HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the clasts.
  - KRST Karst Breccia Zone - Breccia related to karsting within the carbonate. Superimposed on carbonate lithologies.
  - LMBC Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally containing crinoidal biohermal debris.
  - LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.
  - LMGT Limestone, Graphitic and Thin Bedded - Thinly bedded, dark grey, calcitic limestone. Contains remnants of tan weathering, calcareous, quartz siltstone.
  - LMSL Siltified Limestone - Severely siltified limestone. Does not effervesce in 10% HCl.
  - LMST Limestone - Massive to medium bedded, calcitic limestone. White to pale grey with local biohermal debris or tan argillaceous partings.

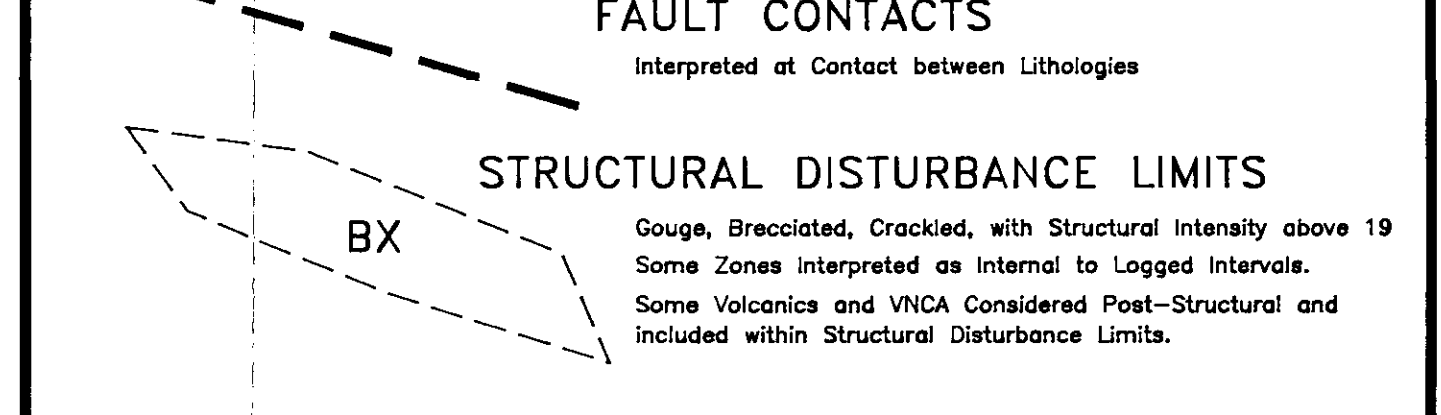
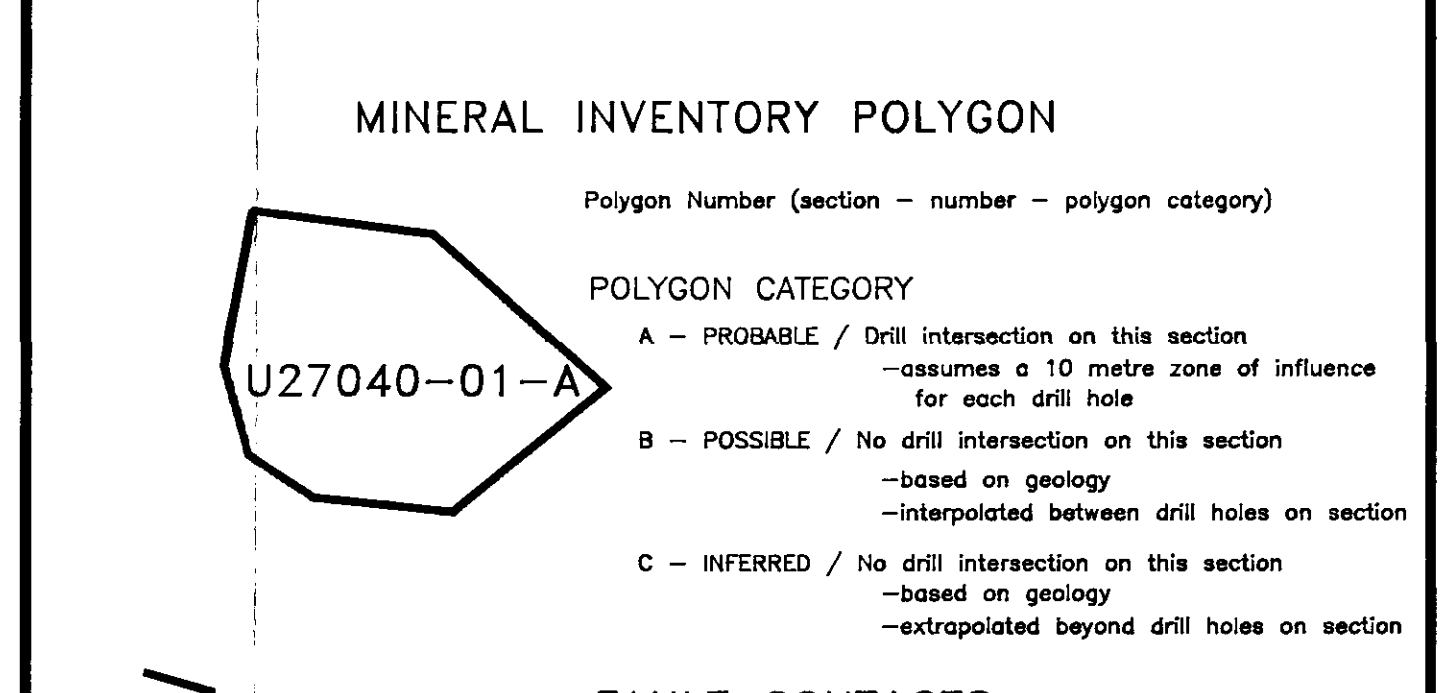
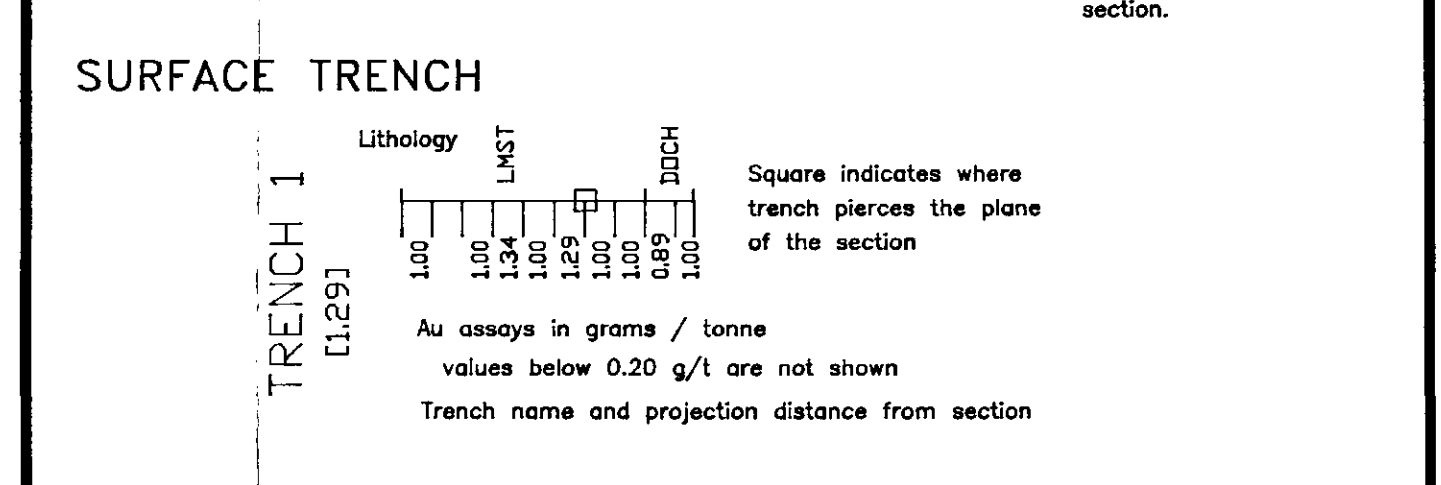
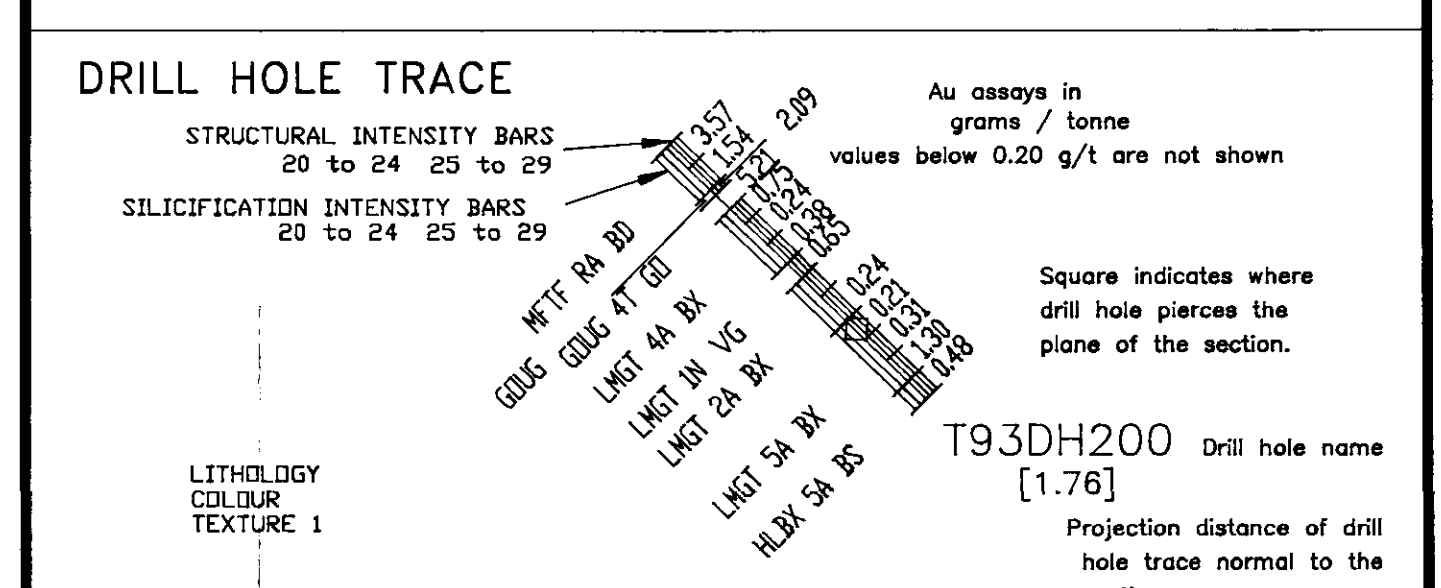
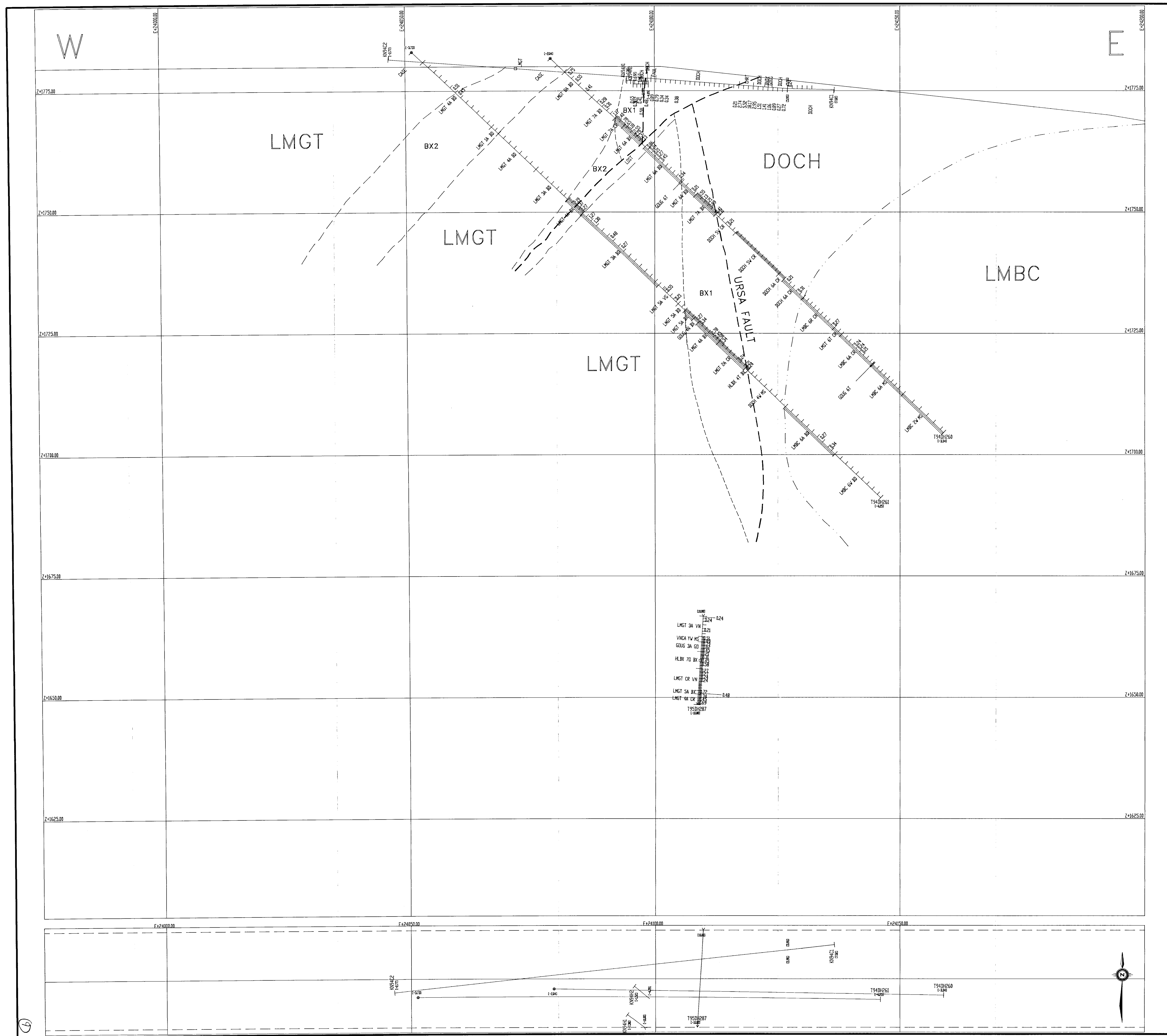


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No	Rev	Date

NORTH AMERICAN METALS CORP.  
 GOLDEN BEAR MINE  
 URSA ZONE  
 VERTICAL SECTION  
 U27060N  
 DRILL HOLE LITHOLOGIES & AU ASSAYS

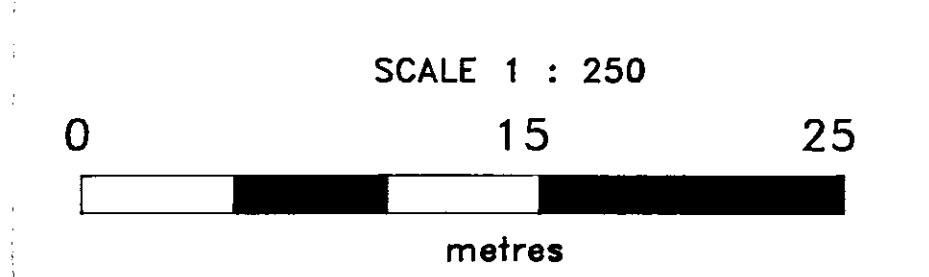
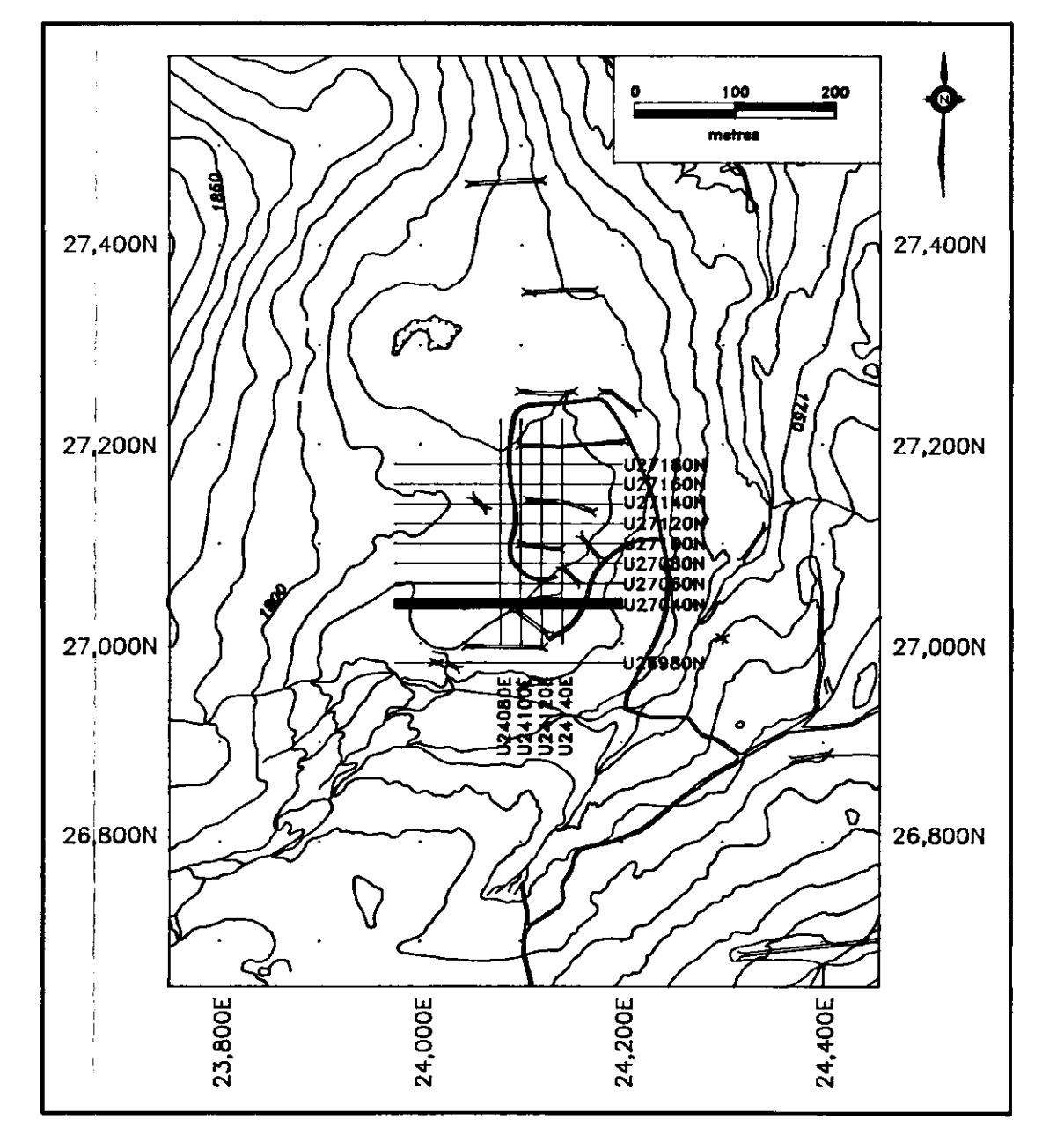
Plate: 9 File: U27060NX  
 Drawing No:  
 Approved: Report:  
 Drawn By: LCP Date: Sep 22/95





- LITHOLOGIC UNITS**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with felsic phenocrysts
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vector of amphibole.
  - RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MFCa Carbonate altered Mafic Volcanic - Basaltic flow, pyroclastic, or epiclastic rock bleached medium brown to light grey or cream. Coloured by carbonization. May contain spines.
  - MFTF Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.

- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor limy interbeds.
  - DOCH Dolomite with chert - Thick bedded to massive, tan weathering, sometimes with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DOLO Dolomite - Massive to block bedded, tan weathering dolomite.
  - HLBX Heterolithic Breccia - Breccia containing more than one lithology type among the cherts.
  - KRST Karst Breccia Zone - Breccia related to karsting within the carbonate. Superimposed on carbonate lithologies.
  - LMBC Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally containing crinoidal biohermal debris.
  - LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds.
  - LMGT Limestone, Crinoidal and Thin Bedded - Thinly bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.
  - LMSL Silicified Limestone - Severely silicified limestone. Does not effervesce in 10% HCl.
  - LMST Limestone - Massive to medium bedded, calcitic limestone. Weathers to pale grey with local biohermal debris or thin argillaceous partings.

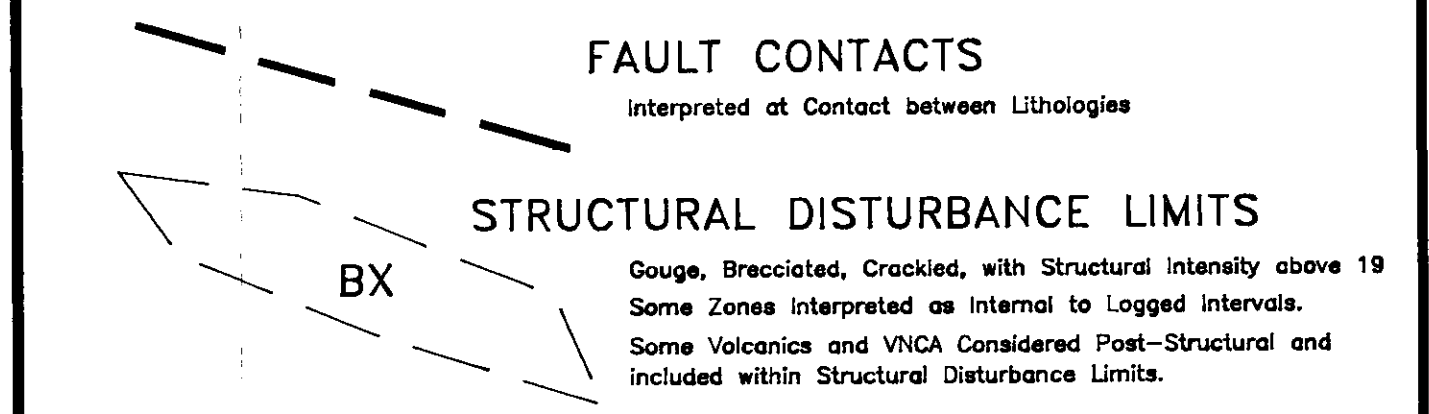
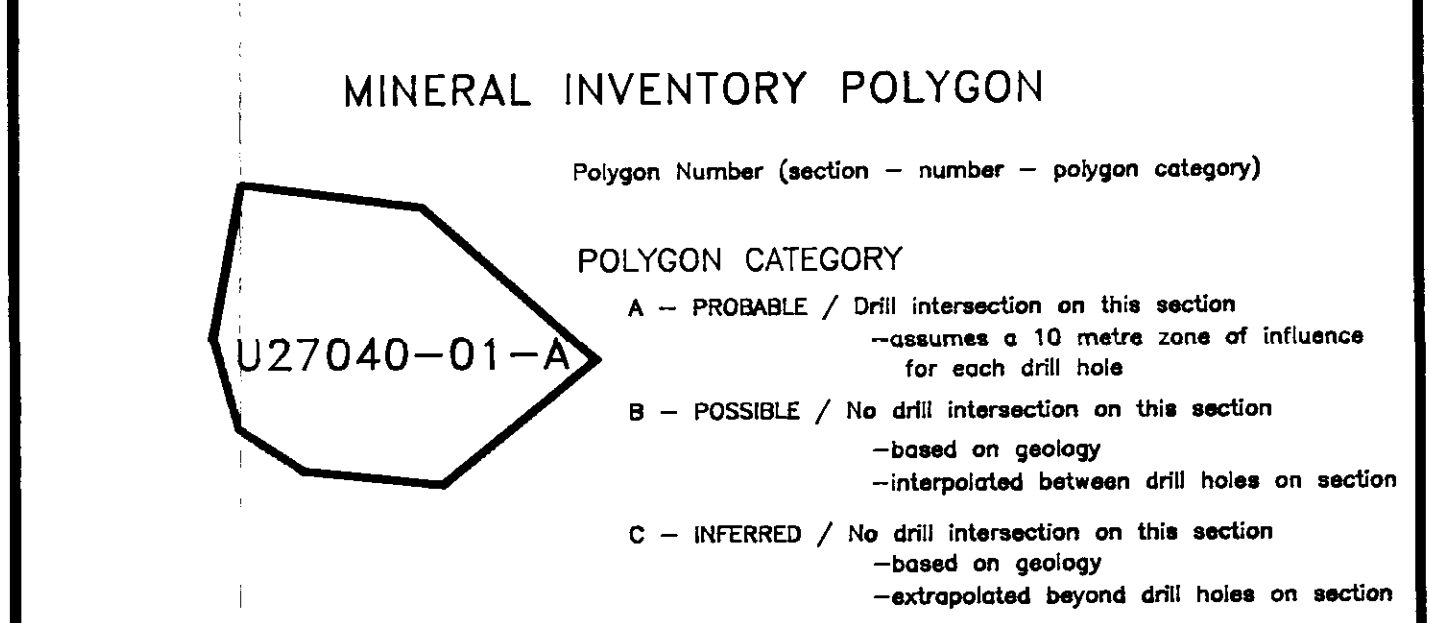
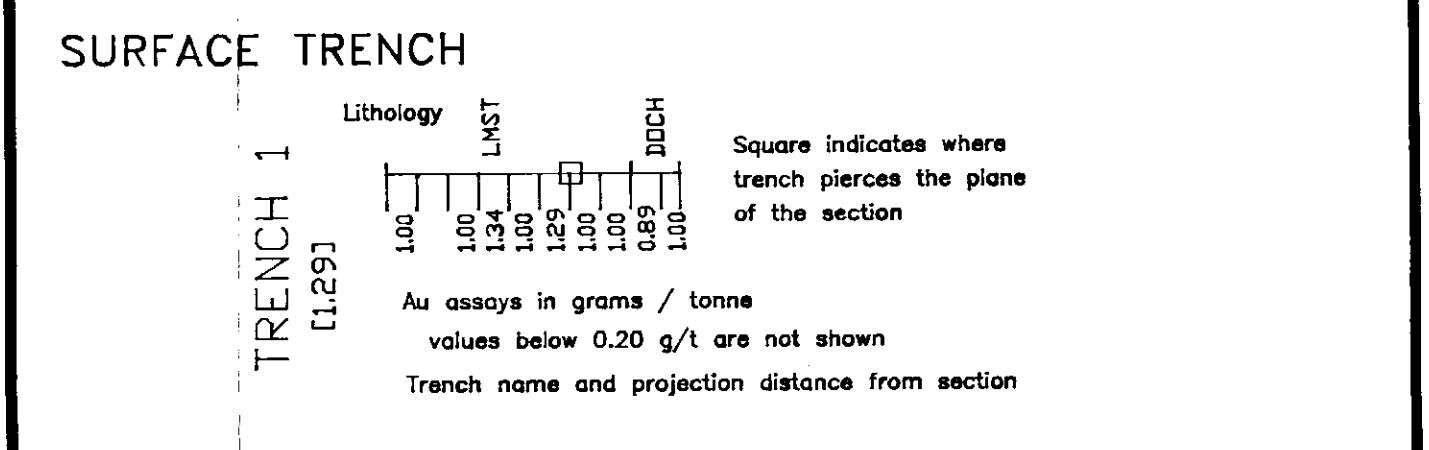
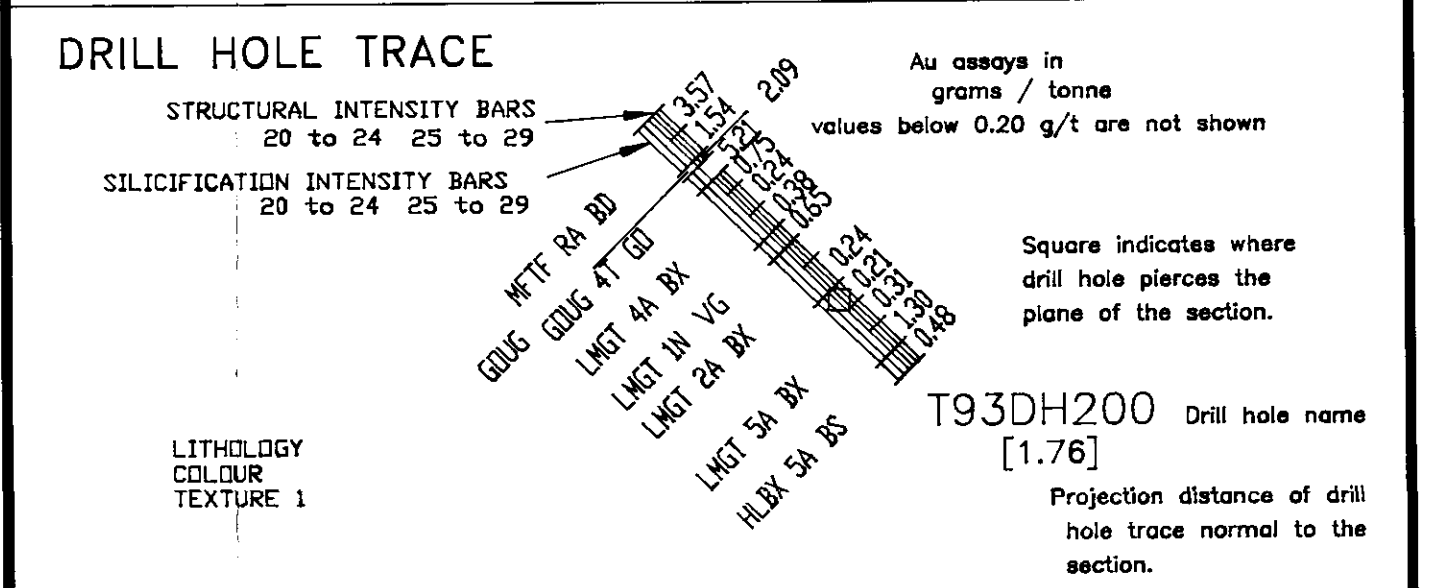
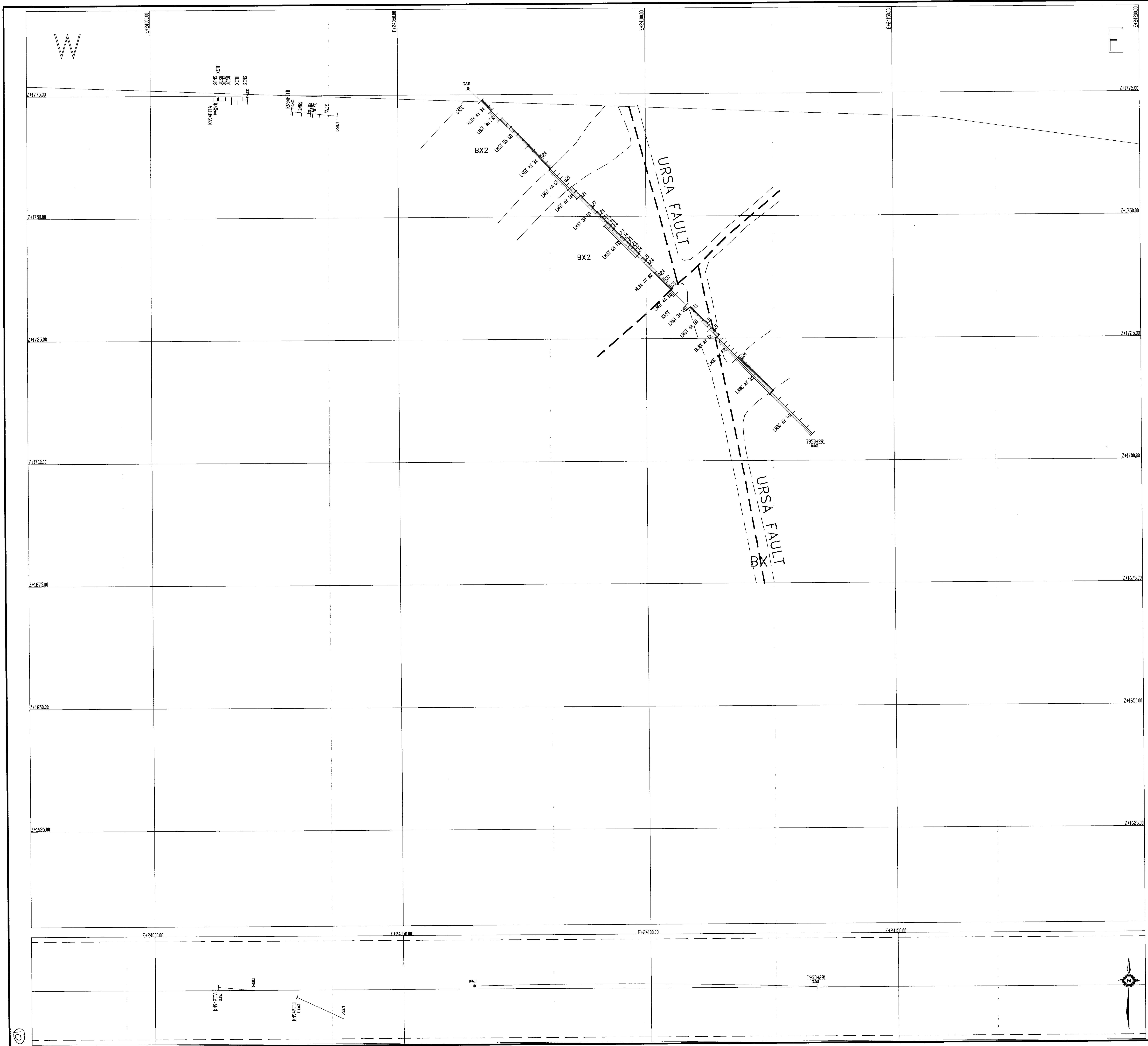


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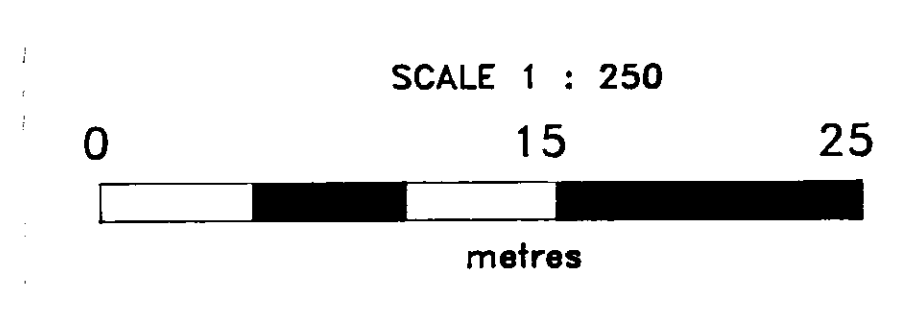
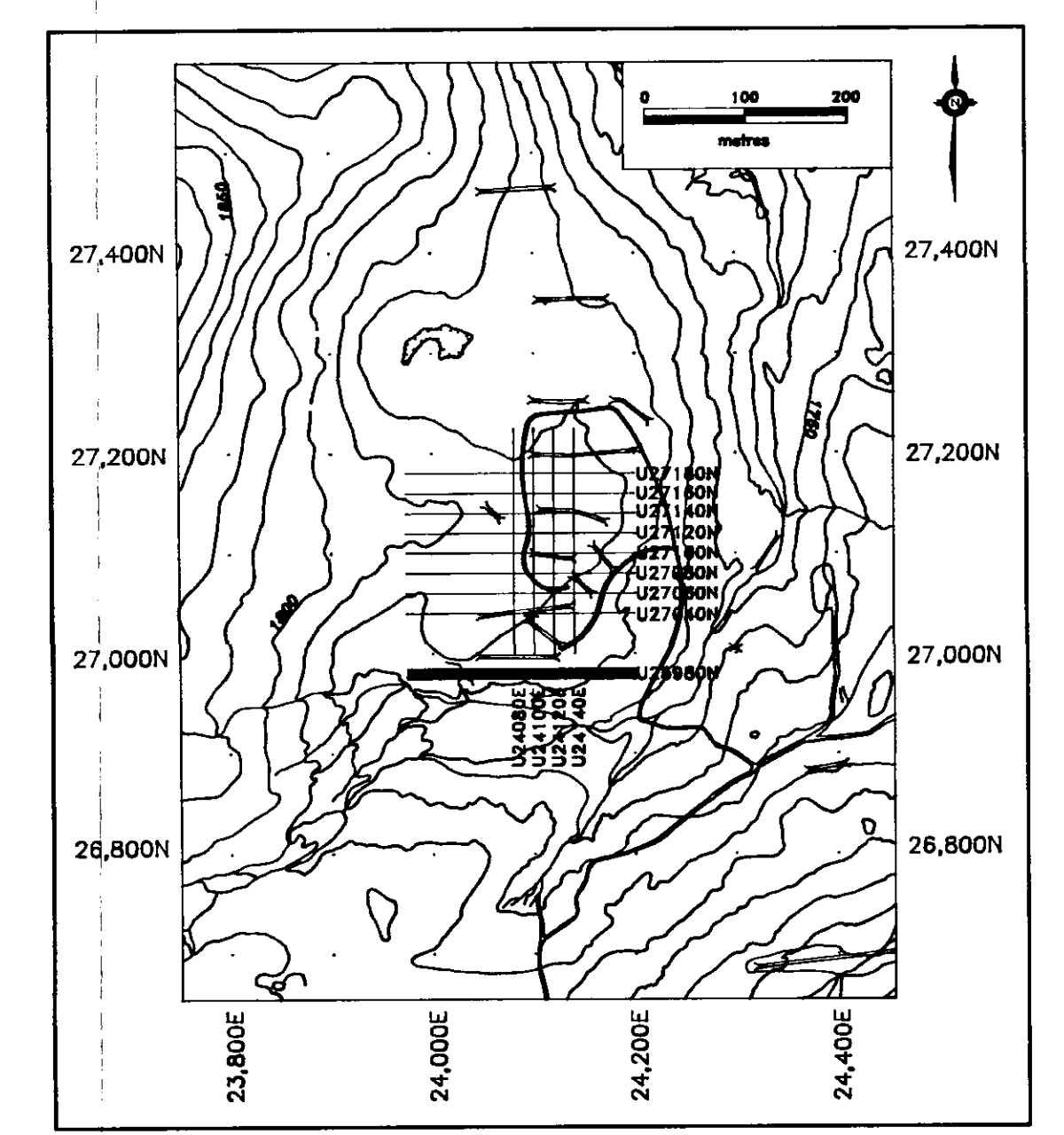
NORTH AMERICAN METALS CORP.  
 GOLDEN BEAR MINE  
 URSA ZONE  
 VERTICAL SECTION  
**U27040N**

DRILL HOLE LITHOLOGIES & AU ASSAYS

Plate: 3 File: U27040NX  
 Drawing No:  
 Approved: Report:  
 Drawn By: LCP Date: Sep 22/95

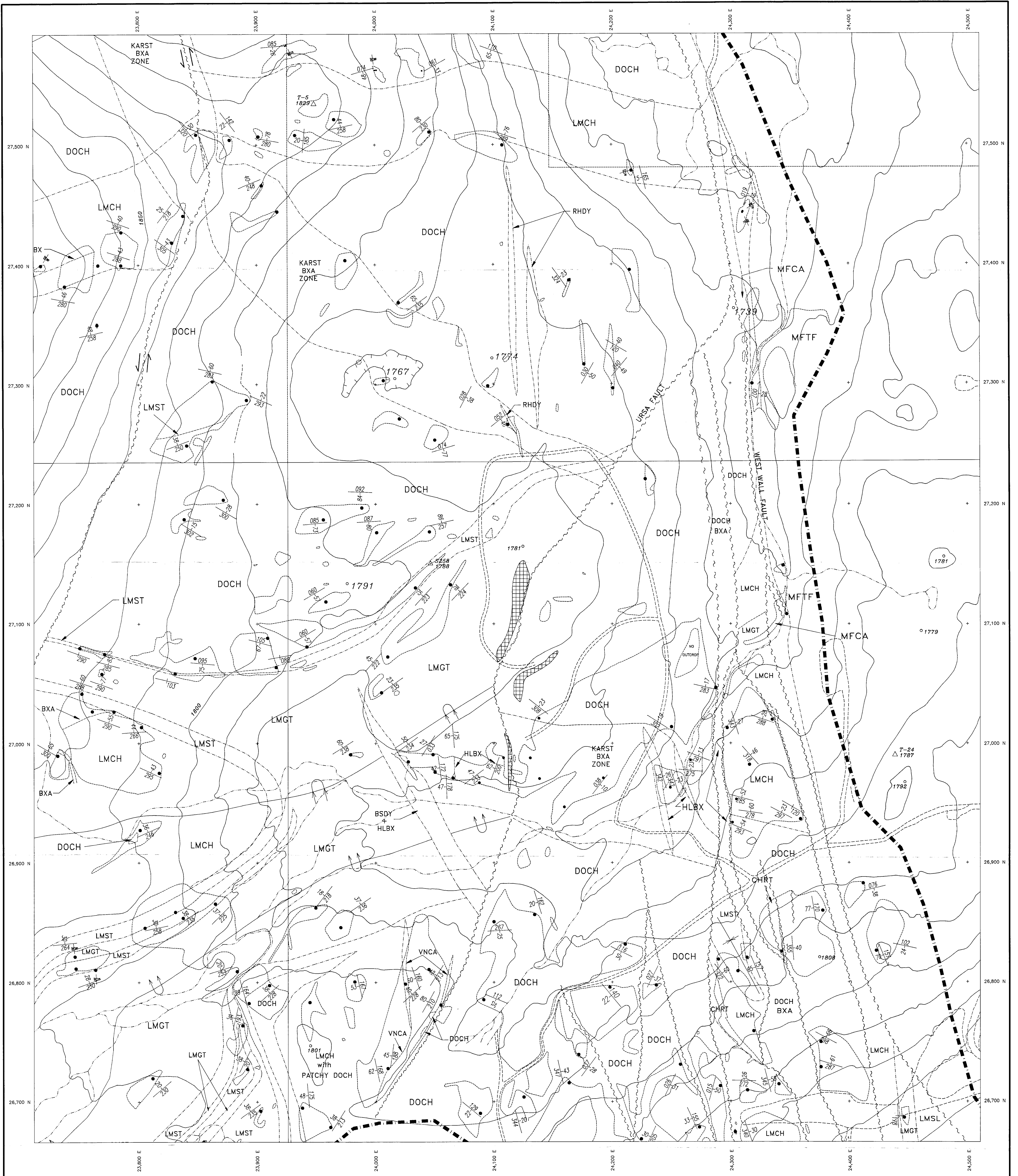


- LITHOLOGIC UNITS**
- INTRUSIVE UNITS (TERTIARY?)**
- ANDY Andesite Dike - Fine grained, intermediate intrusive dike with feldspar phenocrysts
  - BSDY Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or amygdaloidal.
  - RHDY Rhyolite Dike - Fine grained, pale grey, felsic dike.
- VOLCANIC UNITS (UPPER TRIASSIC or older)**
- MFCA Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or spargitic rock bleached medium brown to light grey or cream. Coloured by carbonatization. May contain syrite.
  - MFTF Un differentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or spargitic. Commonly massive to poorly bedded.
- PERMIAN LIMESTONE UNITS**
- CHRT Massive to finely laminated, white to dark grey chert. May contain minor limy interbeds.
  - DOCH Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.
  - DOLO Dolomite - Massive to thick bedded, tan weathering dolomite
  - HLBX Helminthic Breccia - Breccia containing more than one lithology type among the host.
  - KRST Hard Breccia Core - Breccia related to karsting within the carbonate. Superimposed on carbonate lithologies
  - LMBC Limestone, Bedded and Crinoid - Thin bedded, calcitic limestone locally containing crinoid bivalve debris
  - LMCH Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds
  - LMGT Limestone, Crinoid and Thin Bedded - Thin bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.
  - LMSL Silicified Limestone - Severely silicified limestone. Does not effervesce in 10% HCl.
  - LMST Limestone - Massive to medium bedded, calcitic limestone. White to pale grey with local bioclastic debris or thin argillaceous partings.



NORTH AMERICAN METALS CORP. GOLDEN BEAR MINE URSA ZONE VERTICAL SECTION <b>U26980N</b> DRILL HOLE LITHOLOGIES & AU ASSAYS											
Plate: 7 File: U26980NX Drawing No: _____ Approved: _____ Report: _____ Drawn By: LCP Date: Sep 22/95											
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>No</th> <th>Item</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS			No	Item	Date				(North Arrow)	
REVISIONS											
No	Item	Date									





**LEGEND**

<ul style="list-style-type: none"> <li> Outcrop outline with Field Note Station</li> <li> Drill Hole trace</li> <li> Trench</li> <li> Fault - defined, approximate arrows indicate direction of apparent displacement</li> <li> Bedding - Inclined, Vertical strike and dip of inclined bedding indicated right hand rule applies</li> <li> Foliation - Inclined, Vertical strike and dip of inclined foliation indicated right hand rule applies</li> <li> Anticline - Upright, Overturned</li> <li> Syncline - Upright, Overturned</li> <li> Geological contact - defined, approximate</li> <li> Limit of geological mapping</li> </ul>	<p><b>LITHOLOGIC UNITS</b></p> <p><b>INTRUSIVE UNITS (TERTIARY?)</b></p> <p><b>ANDY</b> Andesite Dike - Fine grained, intermediate intrusive dyke with feldspar phenocrysts</p> <p><b>BSDY</b> Basaltic Dike - Fine grained, dark green, equigranular, basaltic dike. Locally vesicular or amygdaloidal.</p> <p><b>RHDY</b> Rhyolite Dike - Fine grained, pale grey, felsic dyke.</p> <p><b>VOLCANIC UNITS (UPPER TRIASSIC or older)</b></p> <p><b>MFCA</b> Carbonate Altered Mafic Volcanic - Basaltic flow, pyroclastic, or epiclastic flow bleached medium brown to light grey or cream. Coloured by carbonatization. May contain pyrite.</p> <p><b>MFTF</b> Undifferentiated Mafic Volcanic Rock - Basaltic flow, pyroclastic, or epiclastic. Commonly massive to poorly bedded.</p> <p><b>PERMIAN LIMESTONE UNITS</b></p> <p><b>CHRT</b> Massive to finely laminated, white to dark grey chert. May contain minor iron interbeds.</p> <p><b>DOCH</b> Dolomite with Chert - Thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules, and beds. Commonly fossiliferous.</p> <p><b>DOLO</b> Dolomite - Massive to thick bedded, tan weathering dolomite.</p>	<p><b>PERMIAN LIMESTONE UNITS (CONTINUED)</b></p> <p><b>HLBX</b> Heterolithic Breccia - Breccia containing more than one lithology type among the clasts</p> <p><b>KARST BXA ZONE</b> Karst Breccia Zone - Breccia related to karsting within the carbonate. Superimposed an carbonate lithology</p> <p><b>LMBC</b> Limestone, Bedded and Crinoidal - Thin bedded, calcitic limestone locally containing crinoid bioherms</p> <p><b>LMCH</b> Limestone with Chert - Light grey, calcitic limestone with light to dark grey chert lenses, nodules, and beds</p> <p><b>LMGT</b> Limestone, Oolitic and Thin Bedded - Thick bedded, dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous, quartz siltstone.</p> <p><b>LMSL</b> Silted Limestone - Severely silted limestone. Does not effervesce in 10% HCl.</p> <p><b>LMST</b> Limestone - Massive to medium bedded, calcitic limestone. White to pale grey with local bioclastic debris or thin argillaceous partings.</p> <p> Mineralized zone at surface as defined by trenching program</p>	<p><b>SCALE 1:1,000</b></p> <p>10 0 20 60 metres</p> <p>Contour Interval 10 Metres</p> <p> North arrow</p> <p><b>Ground Survey Control Station</b></p> <p><b>Photo Survey Control Point</b></p> <p><b>Field Survey Picket in place</b></p> <p><b>Claim Boundary - Active, Superseded</b></p> <p><b>Road</b></p> <p><b>Water - stream or lake margin</b></p>	<p>Revisions</p> <p><b>NORTH AMERICAN METALS CORP.</b> <b>GOLDEN BEAR MINE</b></p> <p><b>URSA PROJECT</b> <b>URSA ZONE AREA</b> <b>GEOLOGY MAP</b></p> <p>Plate: 4      Report: 1995 URSA ASSESS.          Drawn by: LCP      NTS: 104 K          Drawing No:          Date:      File: KNTRDDH.DWG</p>
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