

Svartlidengruvan legend översiktskarta och topografiskt dagblad

Gräns för bearbetningskoncession



Gräns för anvisad mark



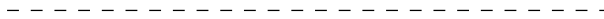
Kommungräns



Pallkant dagbrott



Pallfot dagbrott



Släntkrön



Släntfot

Elledning



Väg



Sandledning



Råvattenledning



Nivåkurva 5 m



Nivåkurva 5 m osäker



Nivåkurva 1 m



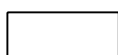
Nivåkurva 1 m osäker



Vattendrag



Byggnad



Kvartsdominerande bergarter



Metagråvacka/metakvartsit/förkislingsbergart

Biotitskiffrar



Biotitskiffer



Norra sedimentet, magnetkisförande biotitskiffer

Metavulkaniter



Amfibolit

Intrusiva bergarter



Granit/Pegmatit

Mineralisering



Guldmineralisering; kvartsdominerad sulfid och
grafitförande skarnomvandlingsbergart

Skjuvzon



Huvudskjuvzon. Förkislad och wollastonitförande

Struktur



Huvudförkastning

Lokalt koordinatsystem



Lokalt koordinatsystem 50 m profilavstånd

SVARTLIDEN ROCK & ALTERATION CODES

Older logging at Svartliden use a very wide range of rock codes, this has now been streamlined to about 13 different codes that cover most applications in the Svartliden sequence.

The Svartliden logging is nowadays done in a descriptive manner only.

Current Svartliden rock codes:

VA	Fine to medium grained amphibolite.
VB	Coarse grained amphibolite.
SB	Siliceous rocks/quartzites, sometimes mildly biotitic. Possibly meta sediments.
SBS	Biotite schist. Probably meta sediment.
IGE	Granite, fine grained to pegmatitic.
DB	Dolerite.
SZ	Shear zone rocks, quartz dominated with minor wollastonite, diopside, garnets and vesuvianite.
SSK	Sulphide skarn, e.g. ore zone.
QV	Quartz vein, this code has often been used for shear zones in grade control logging.

In exploration an additional number of rock codes have been used:

SNS	Sulphidic, graphitic biotite quartz schist.
QBS	Quartz biotite schist.
SWA	Meta sediment with preserved turbidite graded bedding identified.
USV	Unidentified sedimentary or volcanic rock.

ALTERATION

Intensity	Minerals	
1 – Weak	Si – Silicification, Silica	Mu – Muscovite
2 – Moderate	Ga – Garnet	Bi – Biotite
3 – Strong	Am – Amphibole	Cpx – Clinopyroxene
4 – Intense	Ch – Chlorite	Se – Sericite
5 – Almost complete replacement	Cb – Carbonate	Gr – Graphite
	Ab – Albite	Px – Pyroxene
	Hb – Hornblende	S – Sulphidic, Sulphides
	Asy – Arsenopyrite	Py – Pyrite
	Po – Pyrrhotite	Cpy – Chalcopyrite
	Au – Gold	SKV – Skarn vein

Colour codes for assays

Cyan: 0,3-1,25 g/t; Blue: 1,25-1,8 g/t; Green: 1,8-5 g/t; Red: 5-9 g/t; Magenta: >9 g/t

OLD rock codes

NUMERIC CODE	ALPHA CODE	DESCRIPTION
10	IOO	Altered Undifferentiated Intrusive
10	IGO	Altered Granite
10	INO	Altered Granodiorite
11	IAE	Equigranular Aplite
11	IGE	Equigranular Granite
11	IPE	Equigranular Pegmatite
11	INE	Equigranular Granodiorite
12	IFU	Undifferentiated Intrusive Felsic
12	IGU	Granite Undifferentiated
12	INU	Granodiorite Undifferentiated
12	IPU	Undifferentiated Pegmatite
13	IGP	Porphyritic Granite
13	INP	Porphyritic Granodiorite
17	ISG	Sheared Granite
17	IGS	Foliated Granite
17	INS	Foliated Granodiorite
18	IOZ	Mylonitic Granite
19	IGB	Brecciated Granite
30	VB	Coarse grained Altered Basalt/amphibolite (GC log)
30	VBO	Altered Basalt
30	VA	Altered Basalt with Amphibole/fine grained amphibolite (GC log)
30	VAO	Altered Basalt with amphibole
30	VAB	Brecciated Amphibolite
30	VAC	Coarse-grained Amphibolite
30	VAM	Fine or medium grained Amphibolite
30	VAU	Undifferentiated Amphibolite
30	VOO	Altered Volcanic
30	VMO	Altered Mafic Volcanic
30	VPO	Basalt with diopside-skarn
30	VQO	Basalt with quartz schlieren
31	VBC	Coarse-grained Basalt
31	VBP	Pillow Basalt
31	VBV	Vesicular Basalt
32	VMU	Undifferentiated Mafic Volcanic
34	VPF	Flow Banded Basalt – Hyaloclastite / Pepperite
35	VBM	Massive Basalt
35	VMM	Massive Amphibolite
35	VOM	Massive Volcanic
36	VBI	Interbedded Basalt
37	VBS	Foliated Basalt
37	VOS	Foliated Volcanic
37	VMS	Foliated Mafic Volcanic
38	VOZ	Mylonitic Volcanic
39	VBB	Brecciated Basalt
39	VOX	Autobrecciated Volcanic
39	VBX	Basaltic Autobreccia
50	SCO	Altered Carbonaceous Sediment
50	SB	Altered Sediment (GC log)
50	SBO	Altered Biotitic Sediment

50	SOO	Altered Undifferentiated Sediment
50	SOS	Undifferentiated foliated sediment
50	SIO	Altered Siltstone
50	SWO	Altered Greywacke
50	SMO	Altered Mudstone
50	SPO	Diopside skarn altered Sediment
50	SQO	Strongly silicified Sediment
51	SBS	Biotite Schist
52	SOU	Undifferentiated Sediment
52	SCU	Undifferentiated Carbonaceous Shale
52	SFU	Undifferentiated Felsic Sediment
55	SSM	Massive Sandstone
55	SIM	Massive Siltstone
55	SMM	Massive Mudstone
55	SUM	Undifferentiated Massive Sediment
55	SQM	Massive Quartzite
55	SHI	Interbedded Chert
56	SII	Interbedded Siltstone
56	SCI	Interbedded Carbonaceous Sediment
56	SWI	Interbedded Greywacke
56	SOI	Undifferentiated Interbedded Sediment
56	SQI	Interbedded Quartzite
56	SMI	Interbedded Mudstone
56	SSI	Interbedded Sandstone
57	SUS	Foliated Undifferentiated Sediment
57	SCS	Foliated Carbonaceous Sediment
57	SIS	Foliated Siltstone
57	SMS	Foliated Mudstone
57	SSS	Foliated Sandstone
57	SWS	Foliated Greywacke
57	SQS	Foliated Quartzite
59	SCB	Brecciated Carbonaceous Sediment
59	SOB	Brecciated Sediment
59	SCX	Carbonaceous Sedimentary Breccia
59	SOX	Sedimentary Breccia
59	SIX	Siltstone Breccia
59	SSX	Sandstone Breccia
80	AZO	Alteration Zone Undifferentiated
82	USU	Undifferentiated Siliceous Unit
82	USV	Undifferentiated Sediment Volcanic
87	BIS	Biotite Schist
87	QBS	Quartz Biotite Schist
	SSK	Sulphide Skarn (Usually in the notes field in GC)
95	QV	Quartz Vein (GC log)
95	CV	Carbonate Vein
95	QCV	Quartz Carbonate Vein
95	CSV	Carbonate Sulfide Vein
95	MSV	Massive Sulphide Vein
99	UFG	Fault Gouge Undifferentiated
100	OVB	Overburden
110	NSR	No Sample Return
110	NS	No Sample (GC log)

LITHOLOGY

First Alpha Character (First Numeric Character)	Second Alpha Character	Third Alpha Character (Second Numeric Character)
I – Intrusive (1)	G – Granite N – Granodiorite A – Aplite P – Pegmatite F – Felsic	O – Altered (0) E – Eqigranular (1) U – Undifferentiated (2) P – Porphyritic (3) S – Foliated (7) Z – Mylonitic (8) B – Brecciated (9)
V – Volcanic (3)	B – Basalt M – Mafic Volcanic O – Undifferentiated Volcanic A – Amphibole P – Pyroxene Q – Quartz veins and schlieren	O – Altered (0) C – Coarse Grained (1) P – Pillow (1) V – Vesicular (1) U – Undifferentiated (2) F – Flow Banded (4) M – Massive (5) I – Interbedded (6) S – Foliated (7) Z – Mylonitic (8) B – Brecciated (9) X – Autobrecciated (9)
S – Sediment (5)	B – Biotitic C – Carbonaceous Sediment O – Undifferentiated Sediment I – Siltstone W – Greywacke M – Mudstone F – Felsic Sediment S – Sandstone Q – Quartzite P – Pyroxene H – Chert	O – Altered (0) Sulphide bearing, barren Au (1) U – Undifferentiated (2) M – Massive (5) I – Interbedded (5) S – Foliated (7) B – Brecciated (9) X – Brecciated (9)

GC CHIP LOG

NUMERIC CODE	ALPHA CODE	DESCRIPTION
11	IGE	Granite/pegmatite
30	VB	Altered Basalt, Coarse grained (Amphibolite)
30	VA	Altered Basalt, fine grained, (Amphibolite)
50	SB	Altered Sediment, usually meta greywackes
51	SBS	Biotite schist
95	QV	Quartz Vein
	SSK	Sulphide Skarn
	WSK	Wollastonite skarn, usually strongly sheared and silicified material from main shear zone
	NL	No log sample submitted
110	NS	No Sample for assay

Code 'A' : Proximal (Ore) Zone

- Mineralogy:- clinopyroxene (diopside)+amphibole (hornblende and Ca Amphibole)+quartz+ carbonate ($\pm$ calcite)+pyrrhotite+arsenopyrite $\pm$ chalcopyrite $\pm$ graphite $\pm$ gold $\pm$ silver
- Mineralisation:- high grade gold (+5g/t Au)
- Texture:- complete silicification, massive sulphide bands, S-C fabric weakly preserved, obliteration of original rock fabric.

Code 'B' : Proximal (Transition) Zone

- Mineralogy:- amphibole+quartz $\pm$ pyrrhotite $\pm$ biotite
- Mineralisation:- anomalous to high grade gold (0.5–5g/t Au)
- Texture:- complete to strong silicification, coarse-grained amphibole, shear fabric (S–C) present.

Code 'C1' : Distal Zone

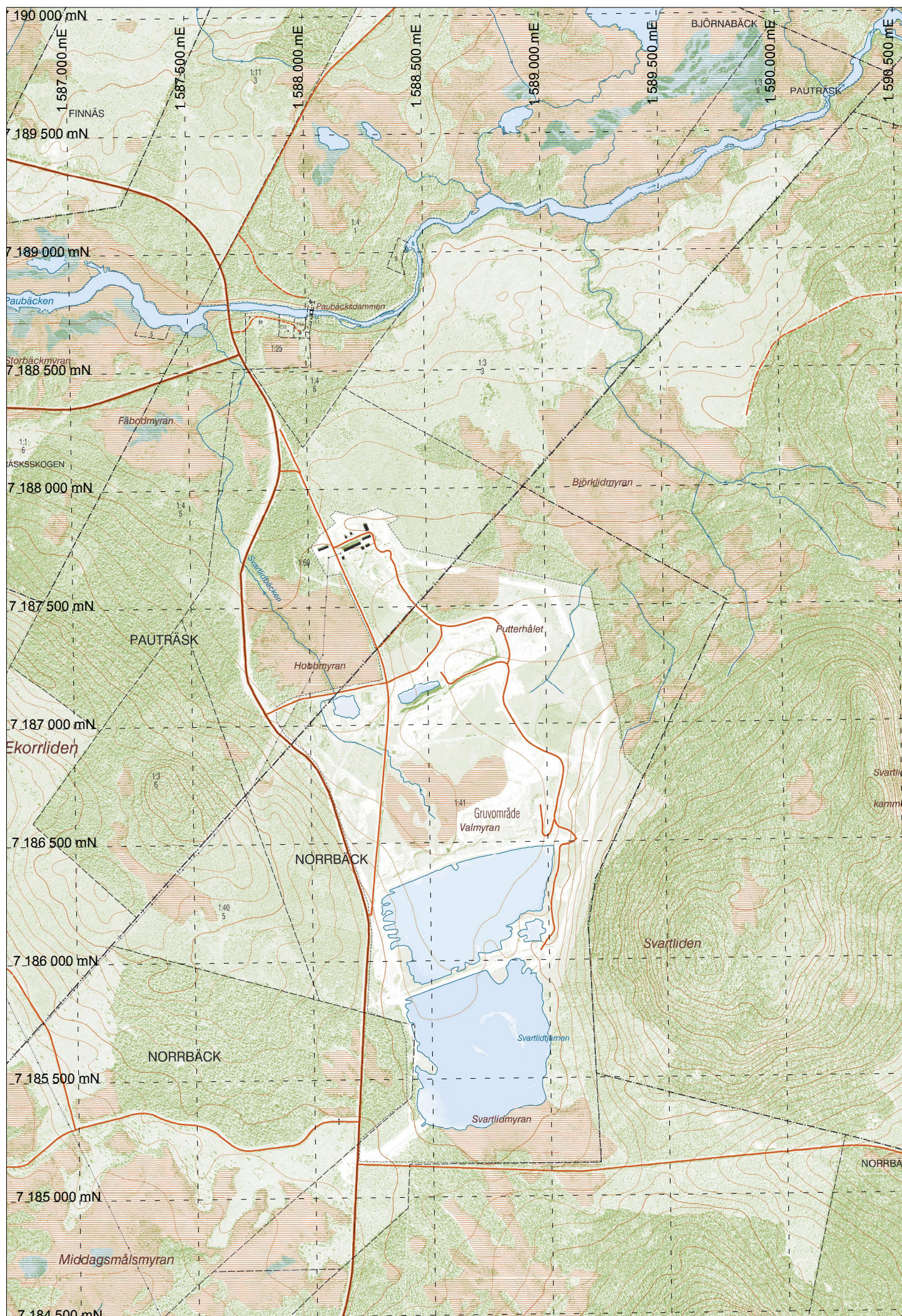
- Mineralogy:- biotite $\pm$ quartz $\pm$ pyrrhotite $\pm$ hornblende
- Mineralisation:- anomalous to low grade gold (0.10 – 0.50g/t)
- Texture:- moderate to strong silicification, schistose along S fabric, selvages of Type A-B veins along C fabric.

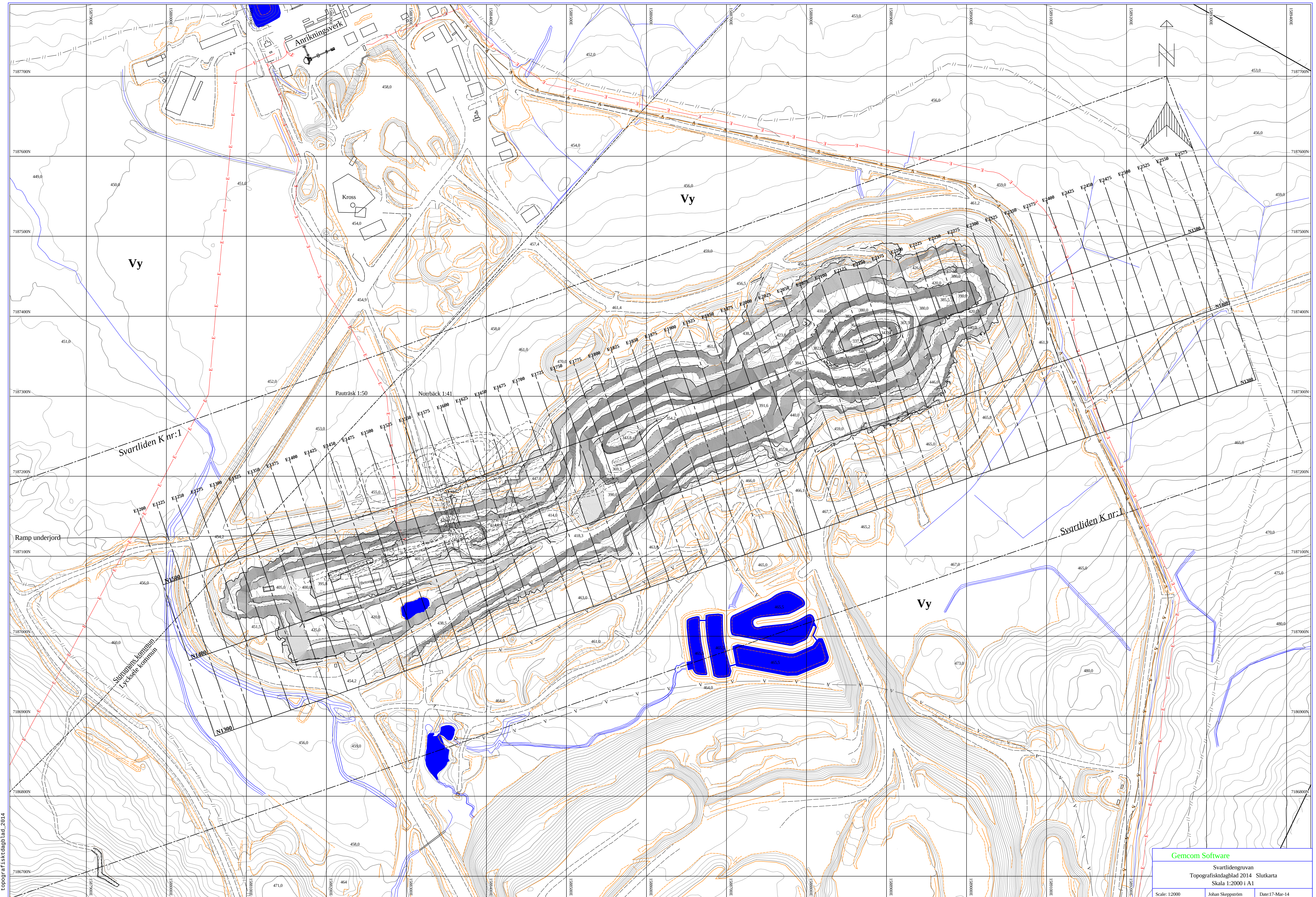
Code 'C2' : Weakly Altered Wall rock

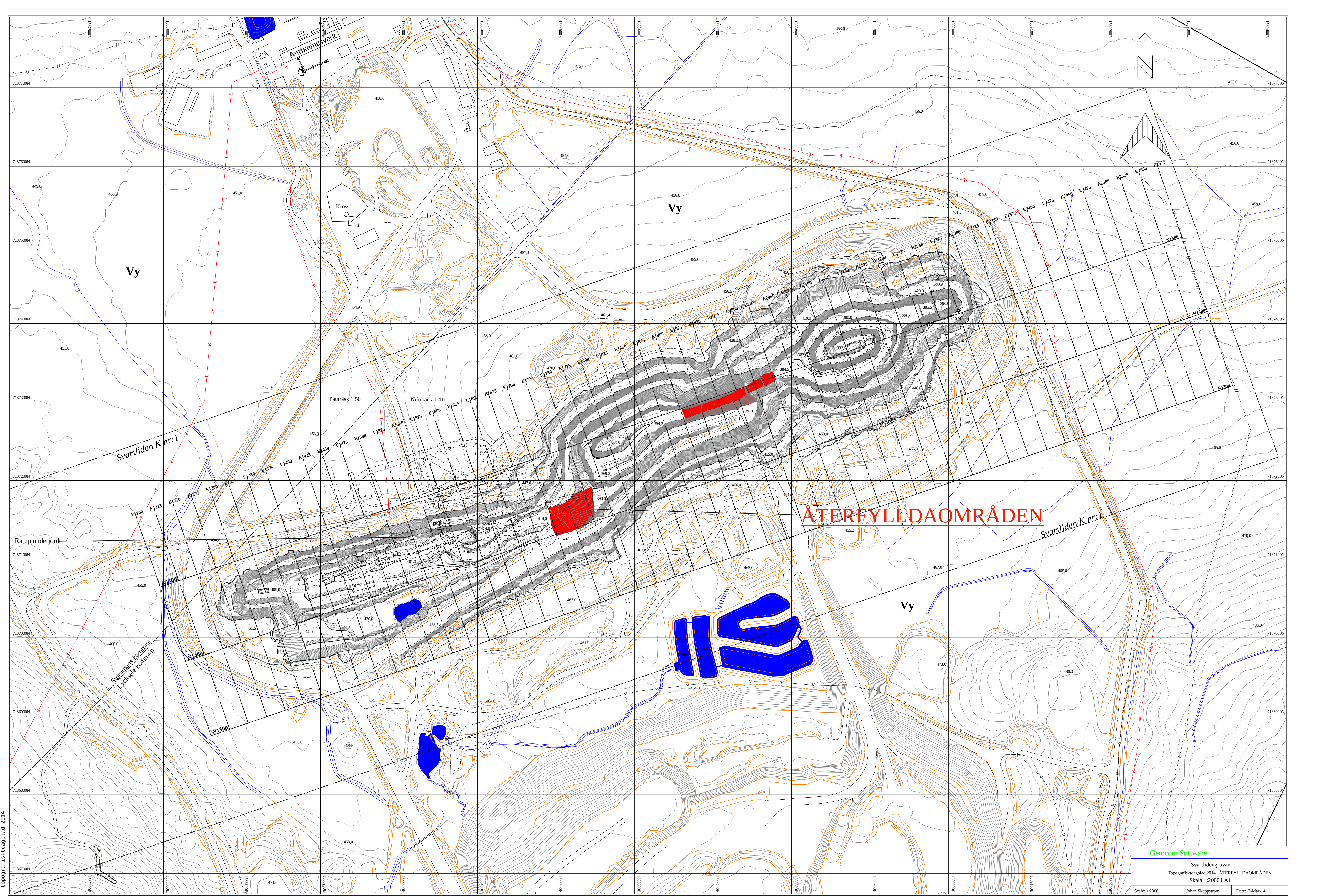
- Mineralogy:- weak biotite and/or hornblende
- Mineralisation:- occasional anomalous gold ($<0.10\text{g/tAu}$) or below detection ($<0.01\text{g/tAu}$)
- Texture:- moderate silicification, foliated along S-fabric

Code 'D' : Unaltered Wall rock

- Mineralisation:- barren gold
- Textures:- weakly silicified; strongly foliated (S cleavage); thin, widely spaced Type A-B veins along C fabric.





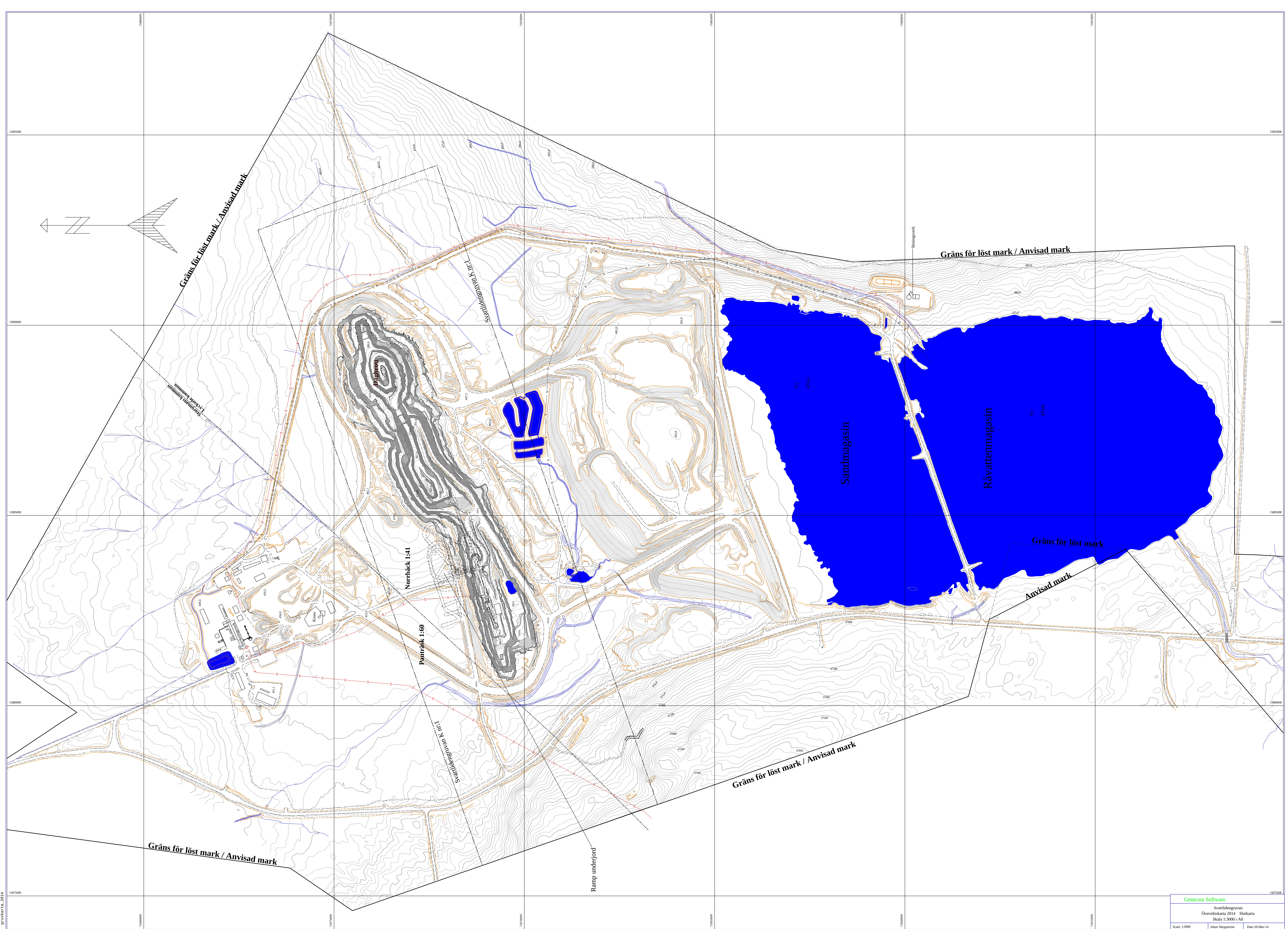


topografiskt dagblad 2014

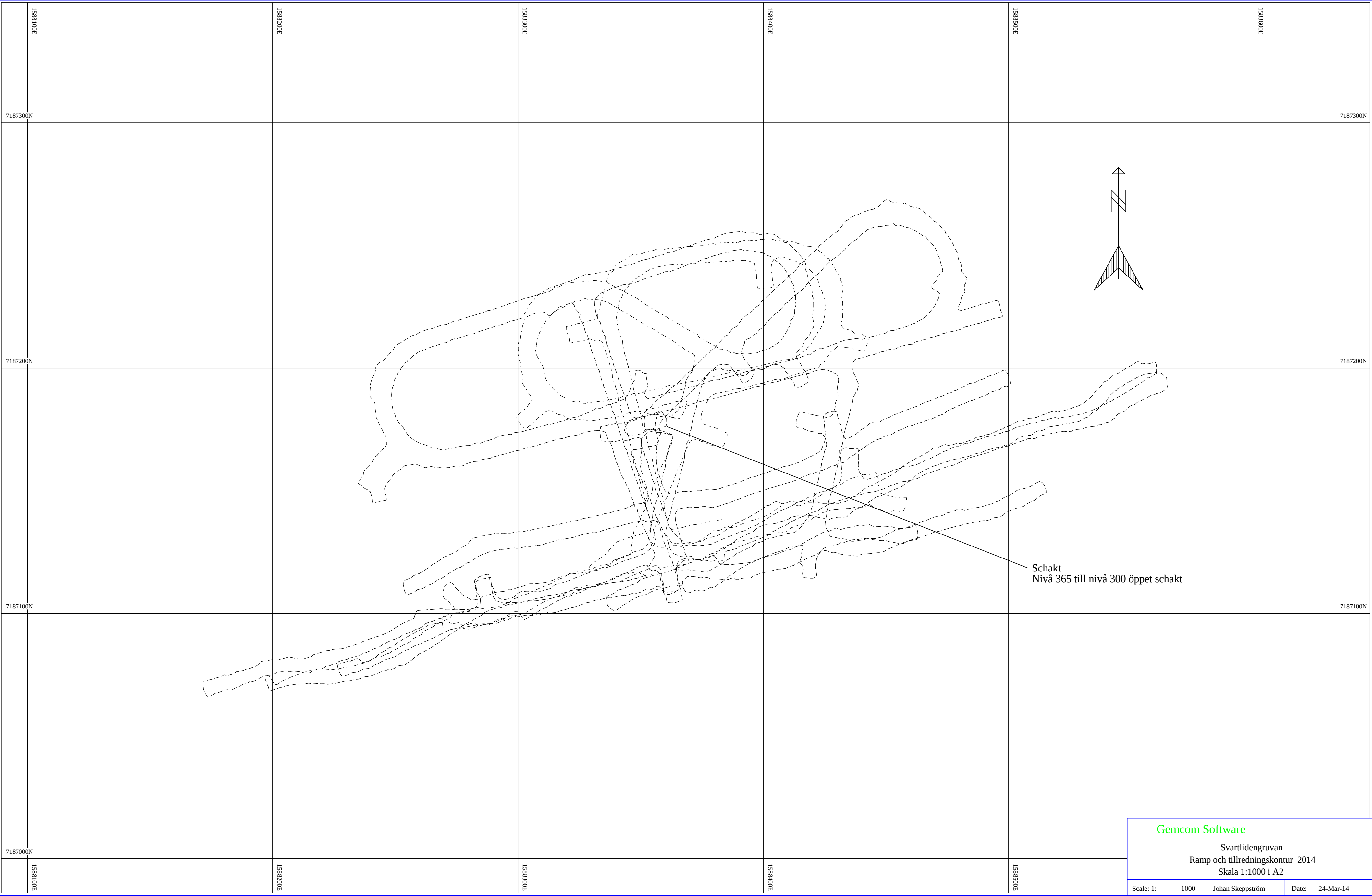
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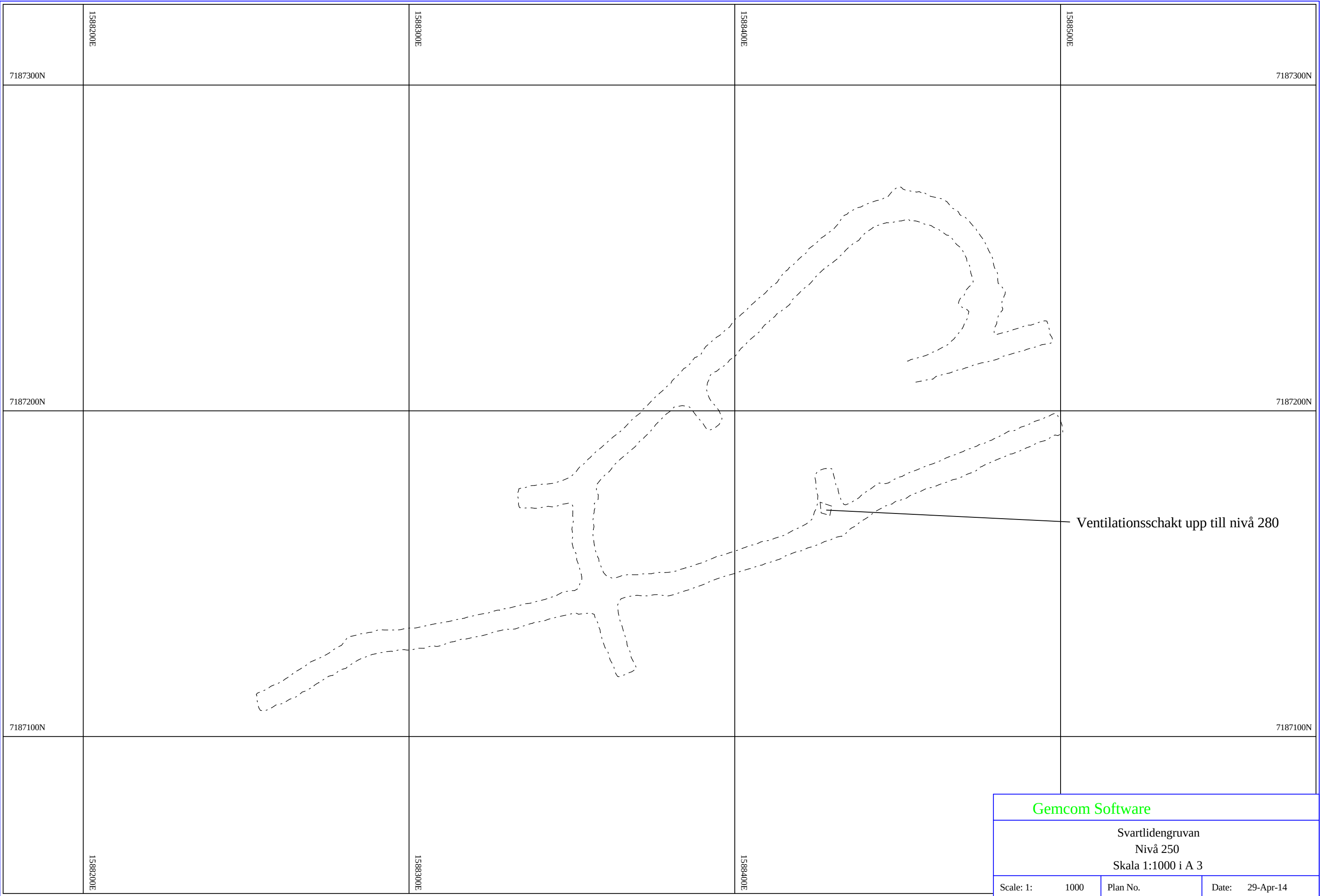
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Topografiskt dagblad 2014 ÅTERFYLLDAOMRÅDEN
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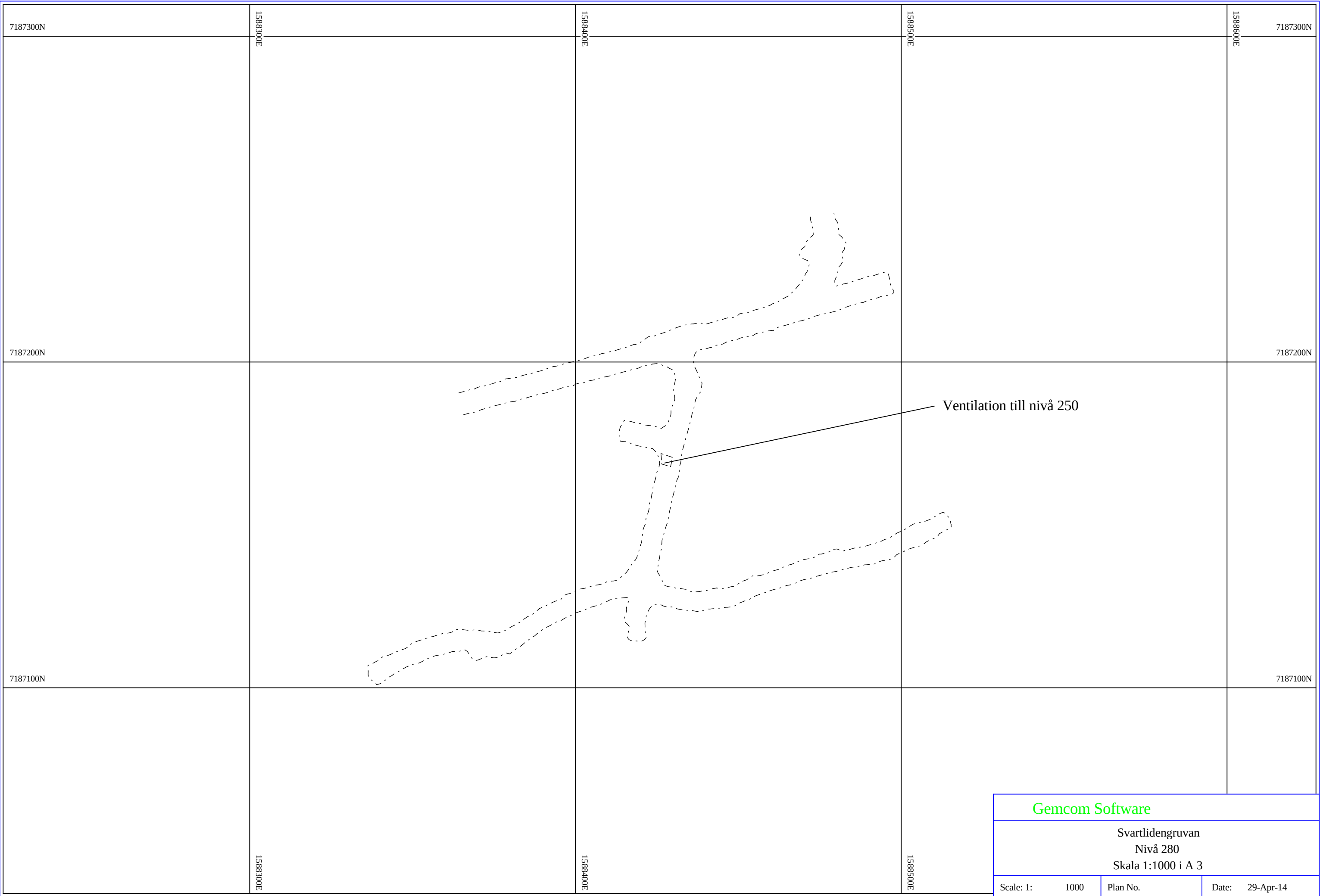
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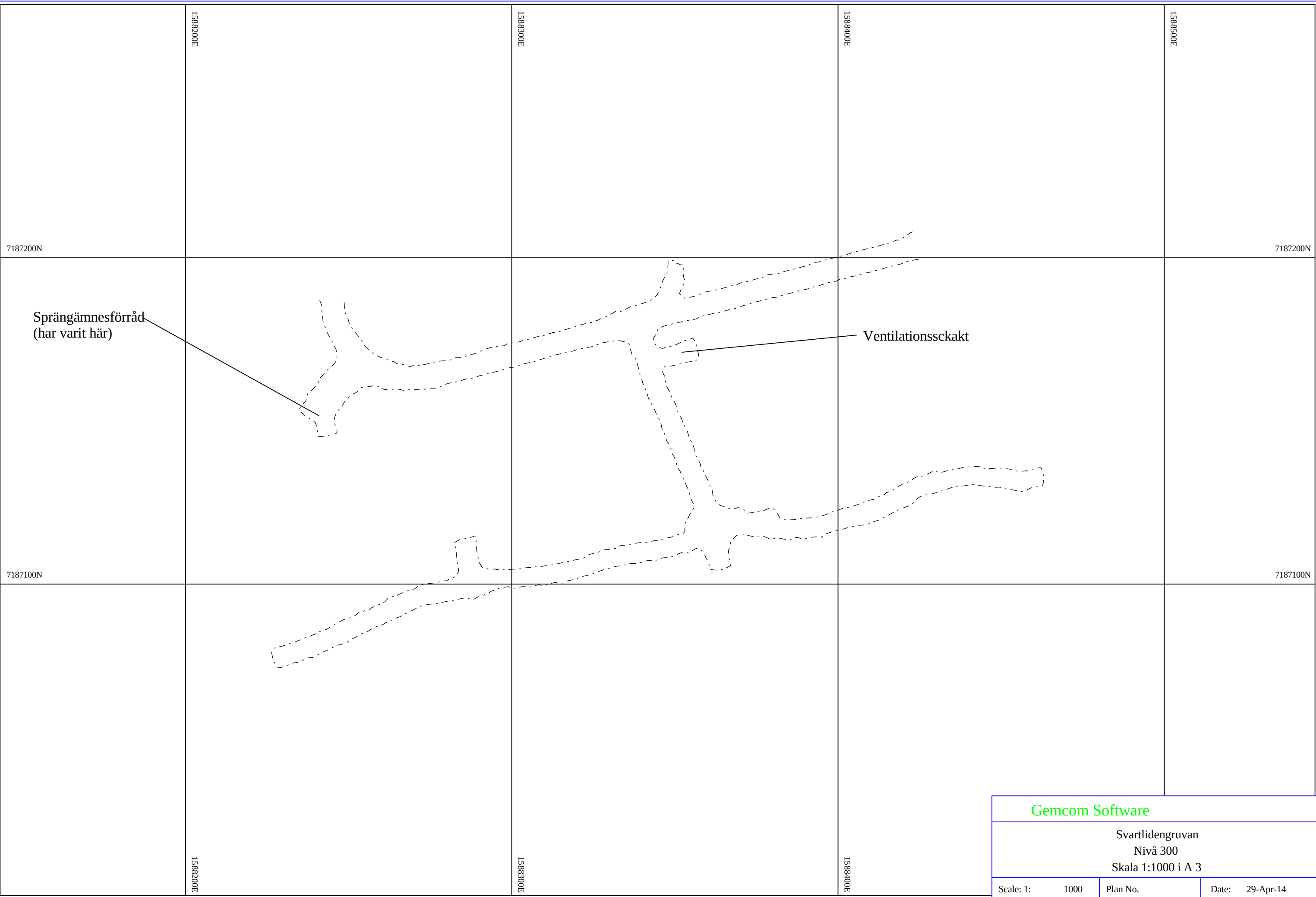
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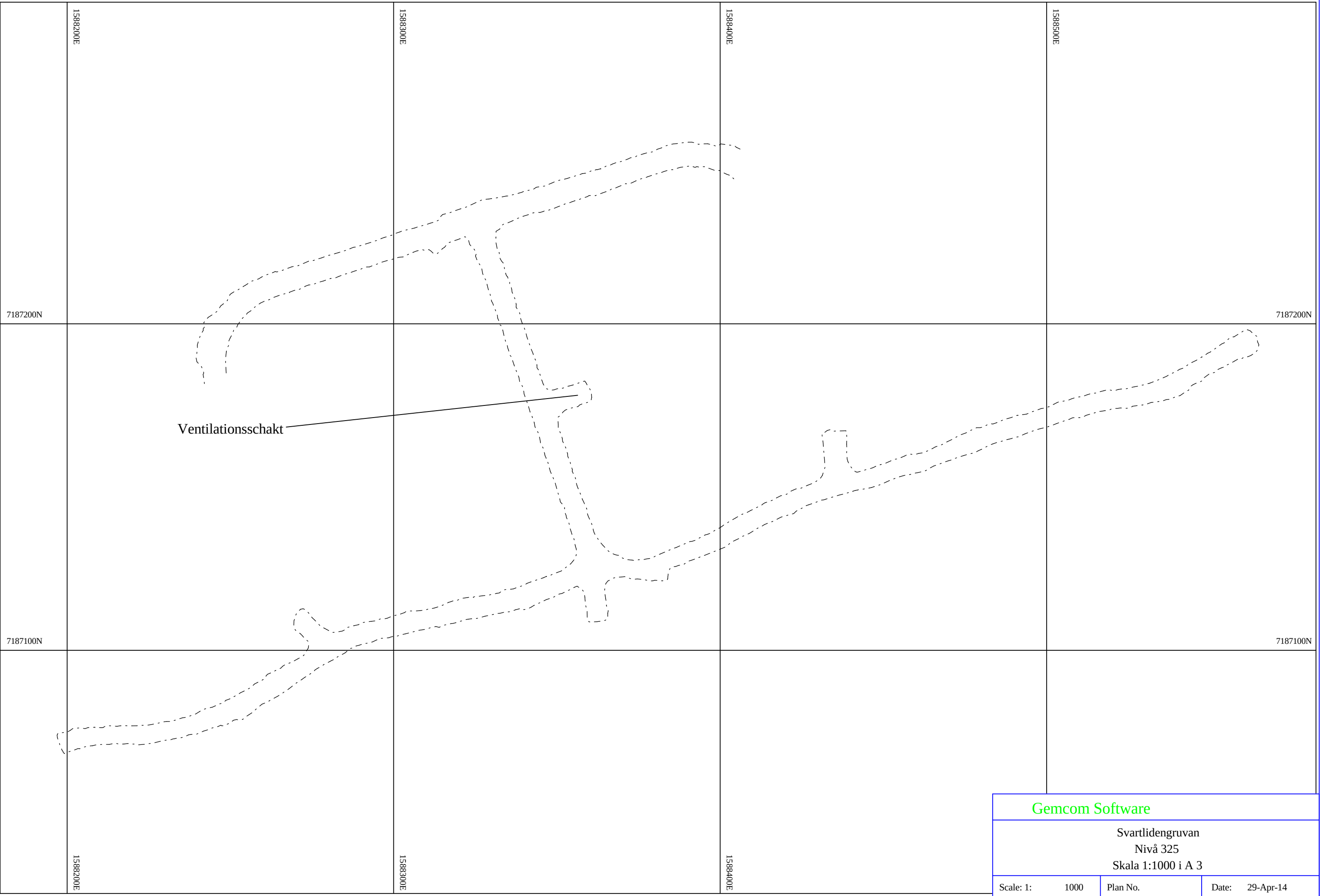


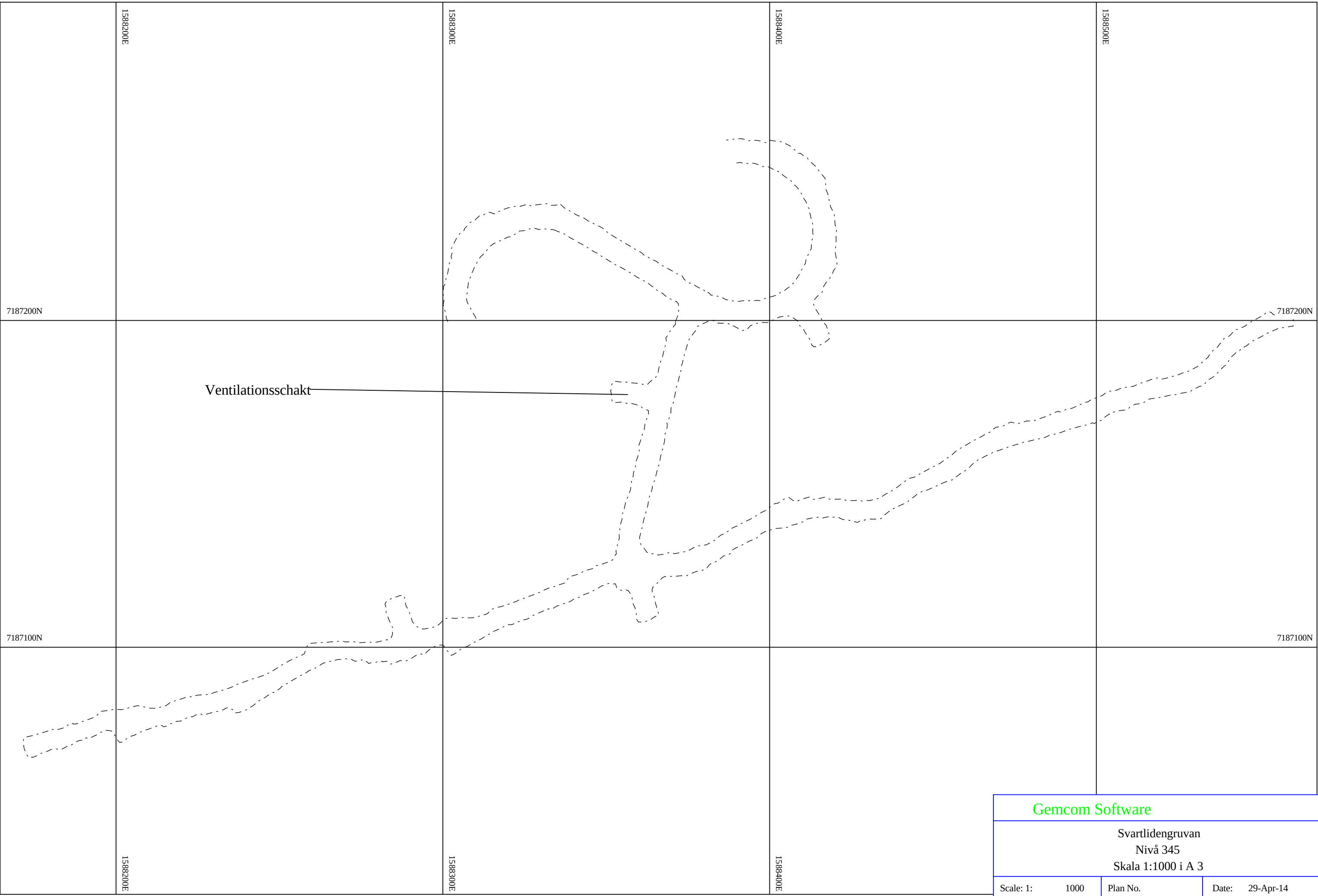


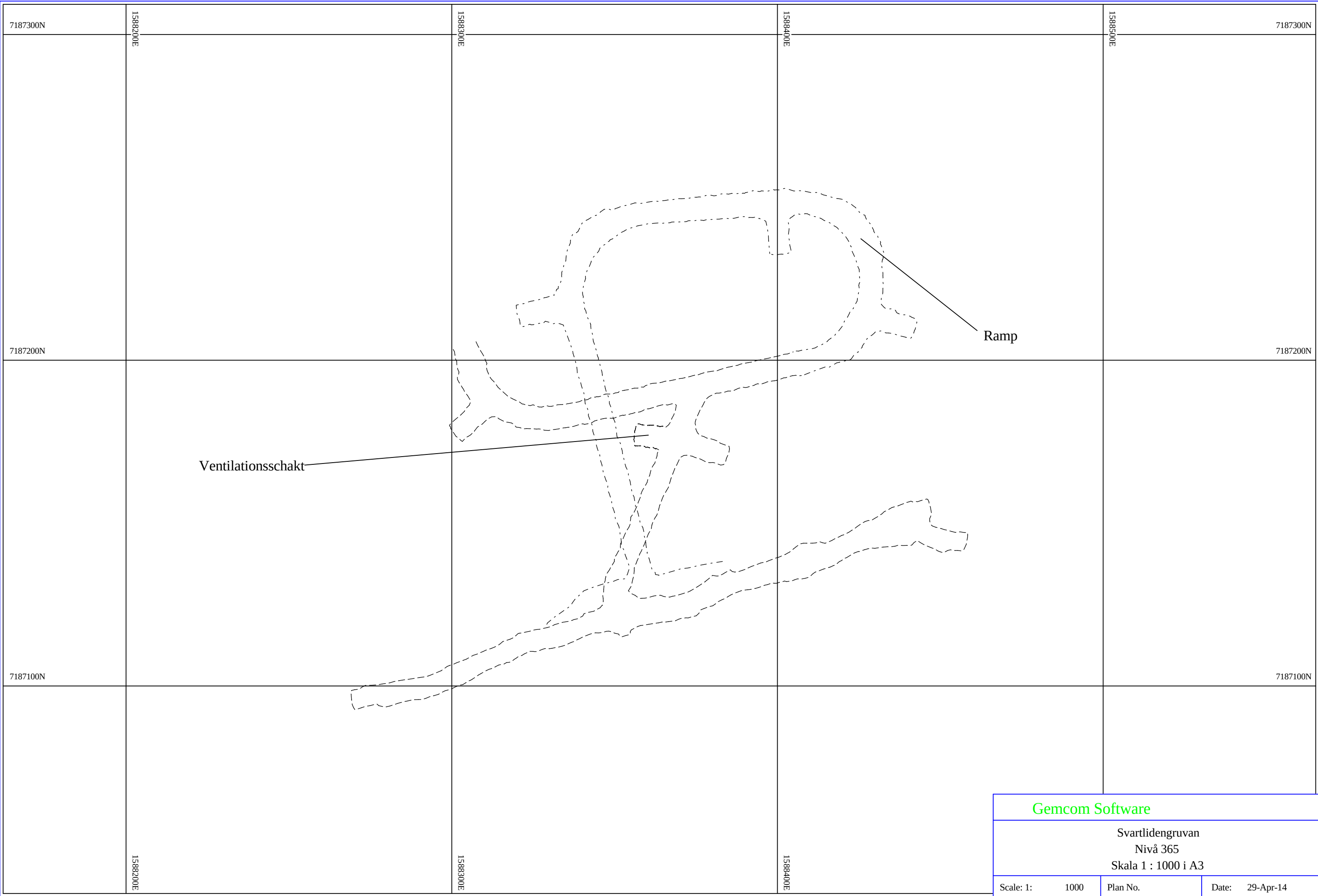


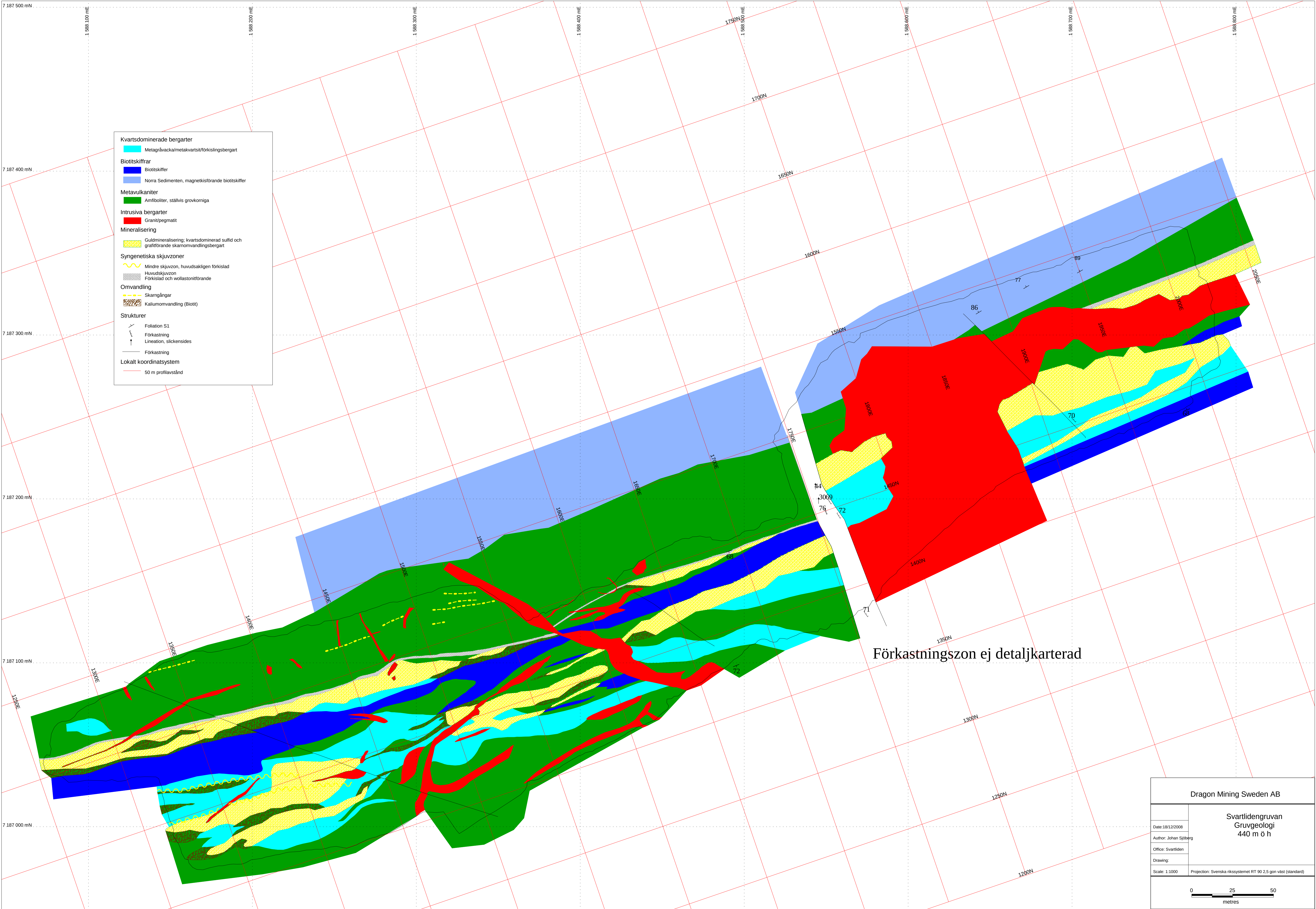
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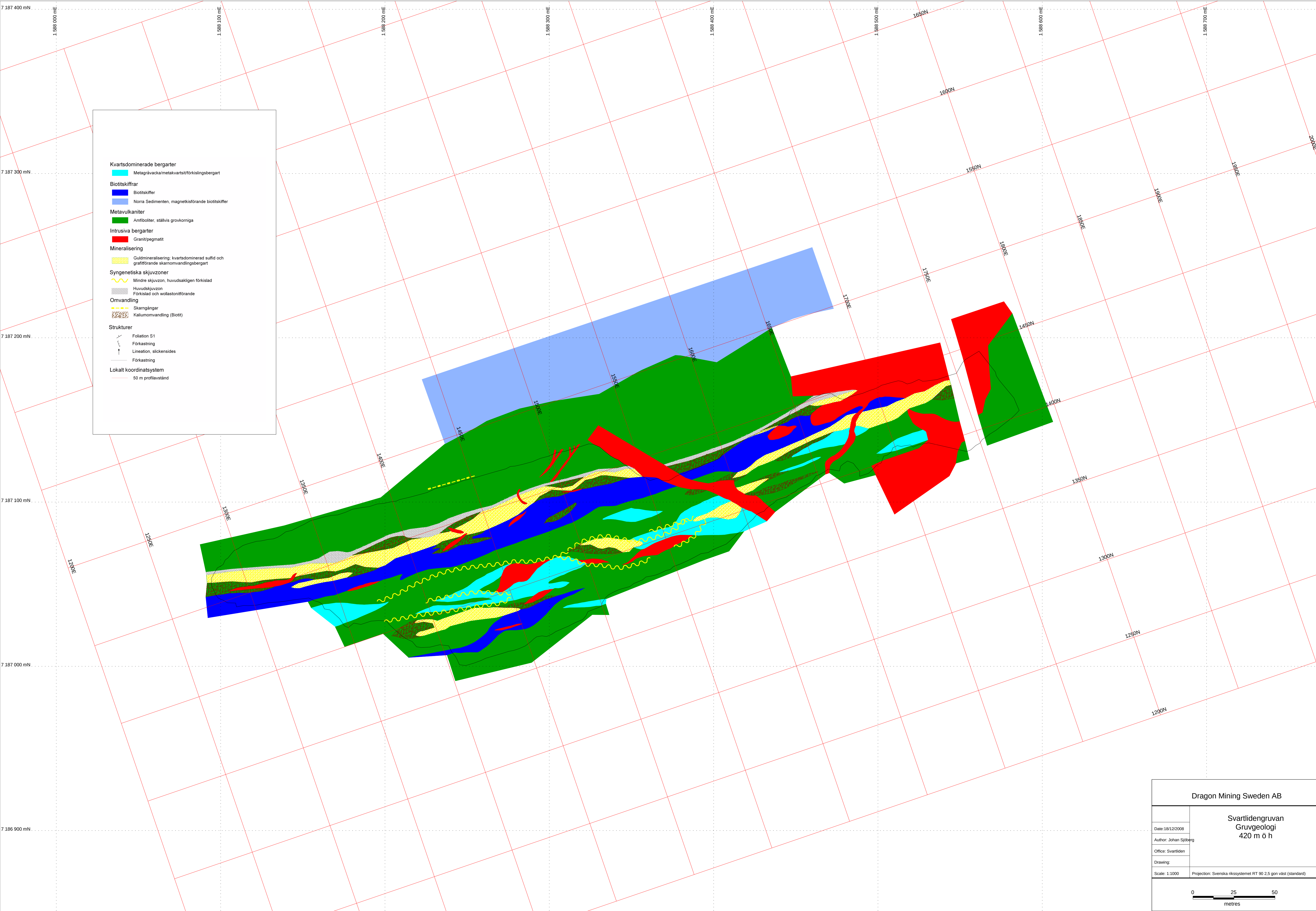




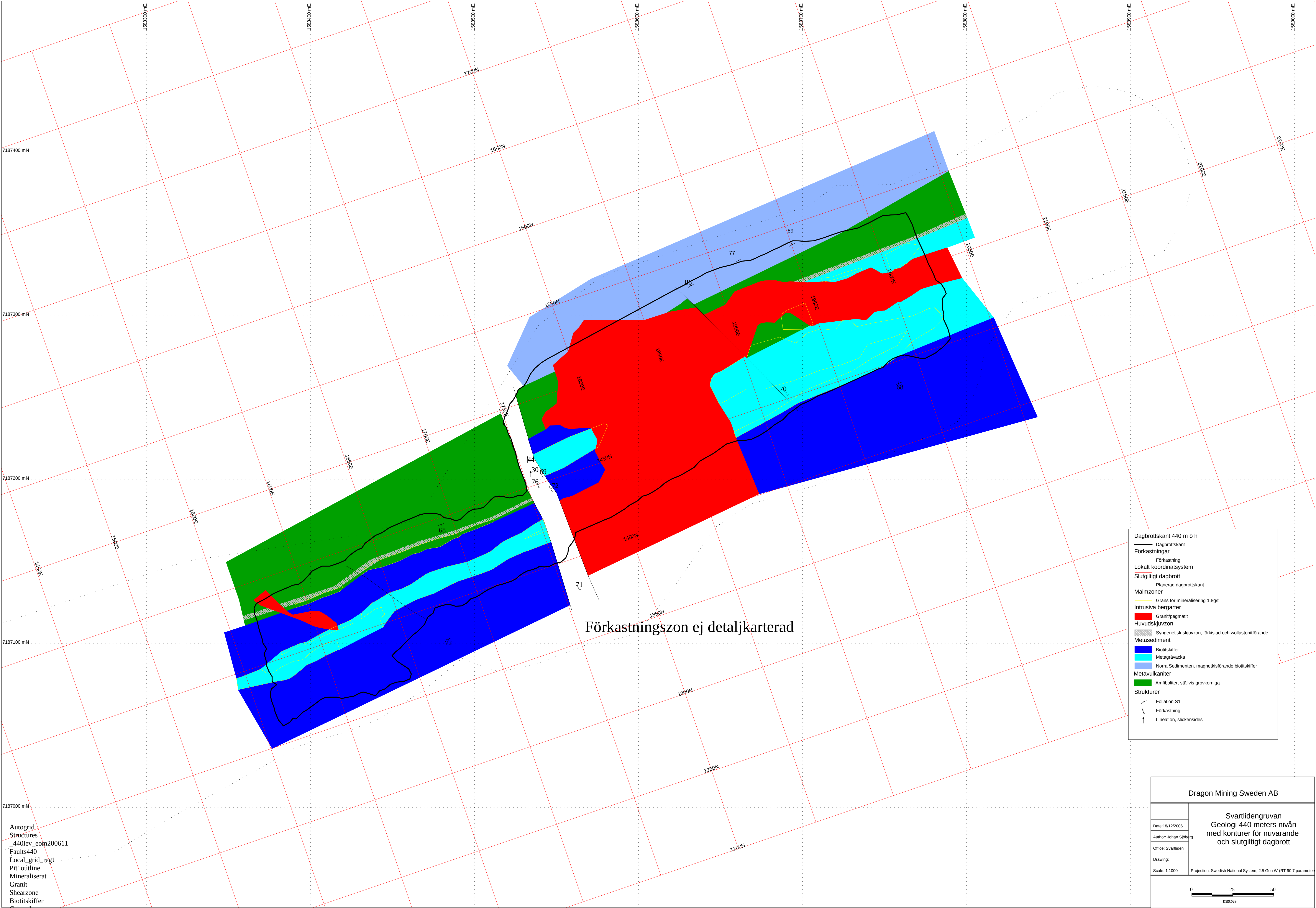




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Office: Svartliden	
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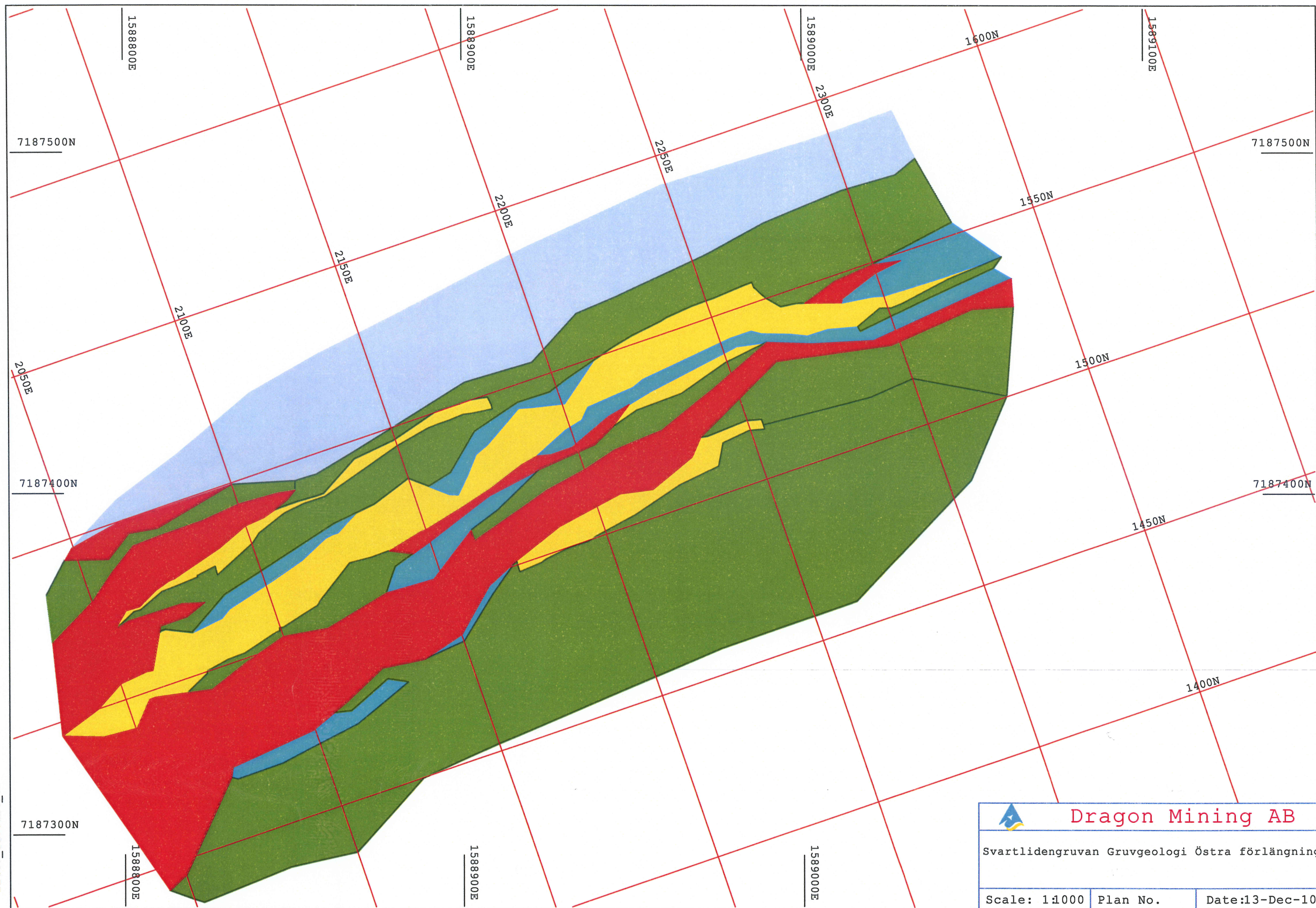


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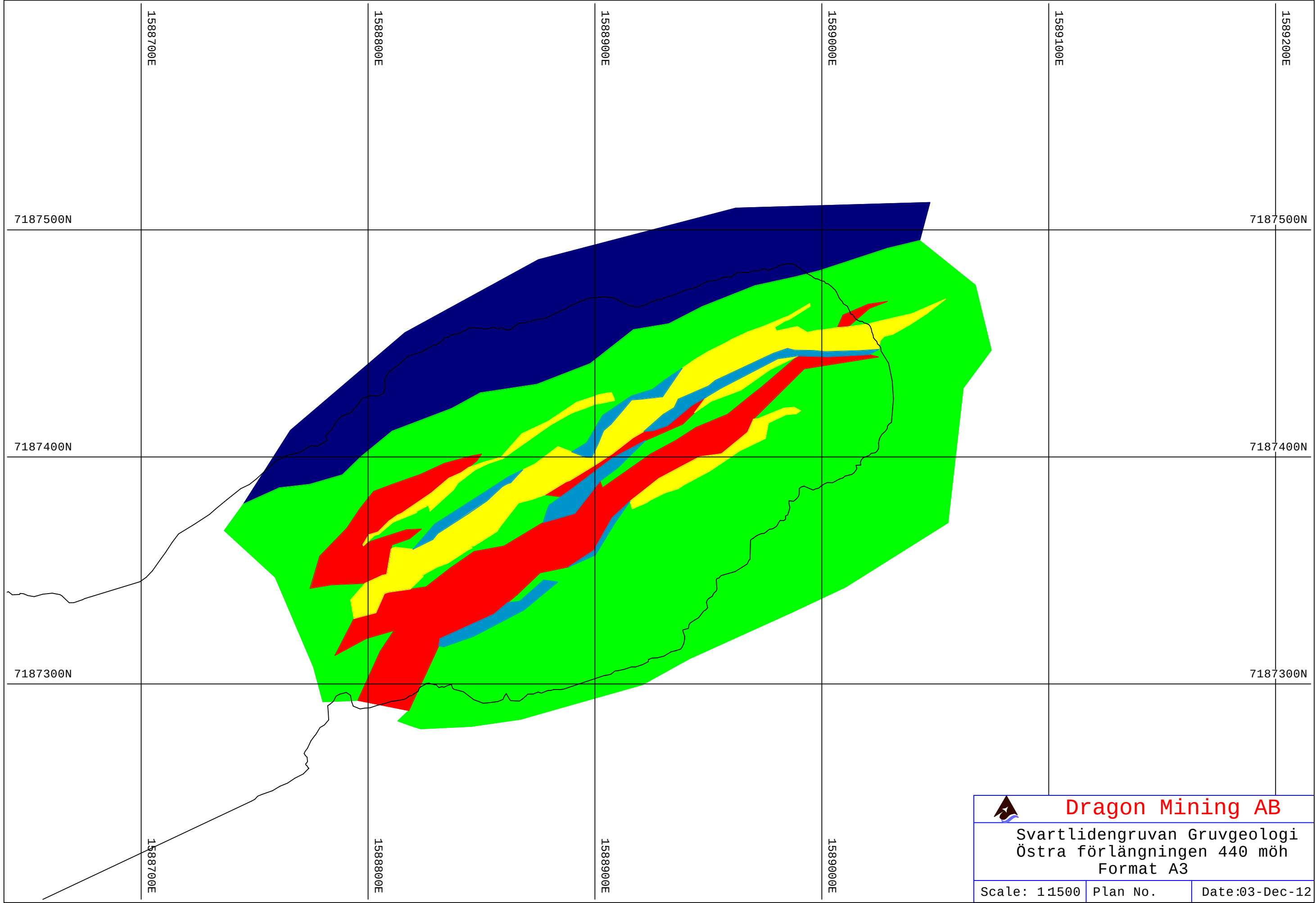


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Pit_outline
Mineraliserat
Granit
Shearzone
Biotitskiffer
Gråvacka
Amfibolit
Nseds

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Author: Johan Sjöberg	
Office: Svartiden	
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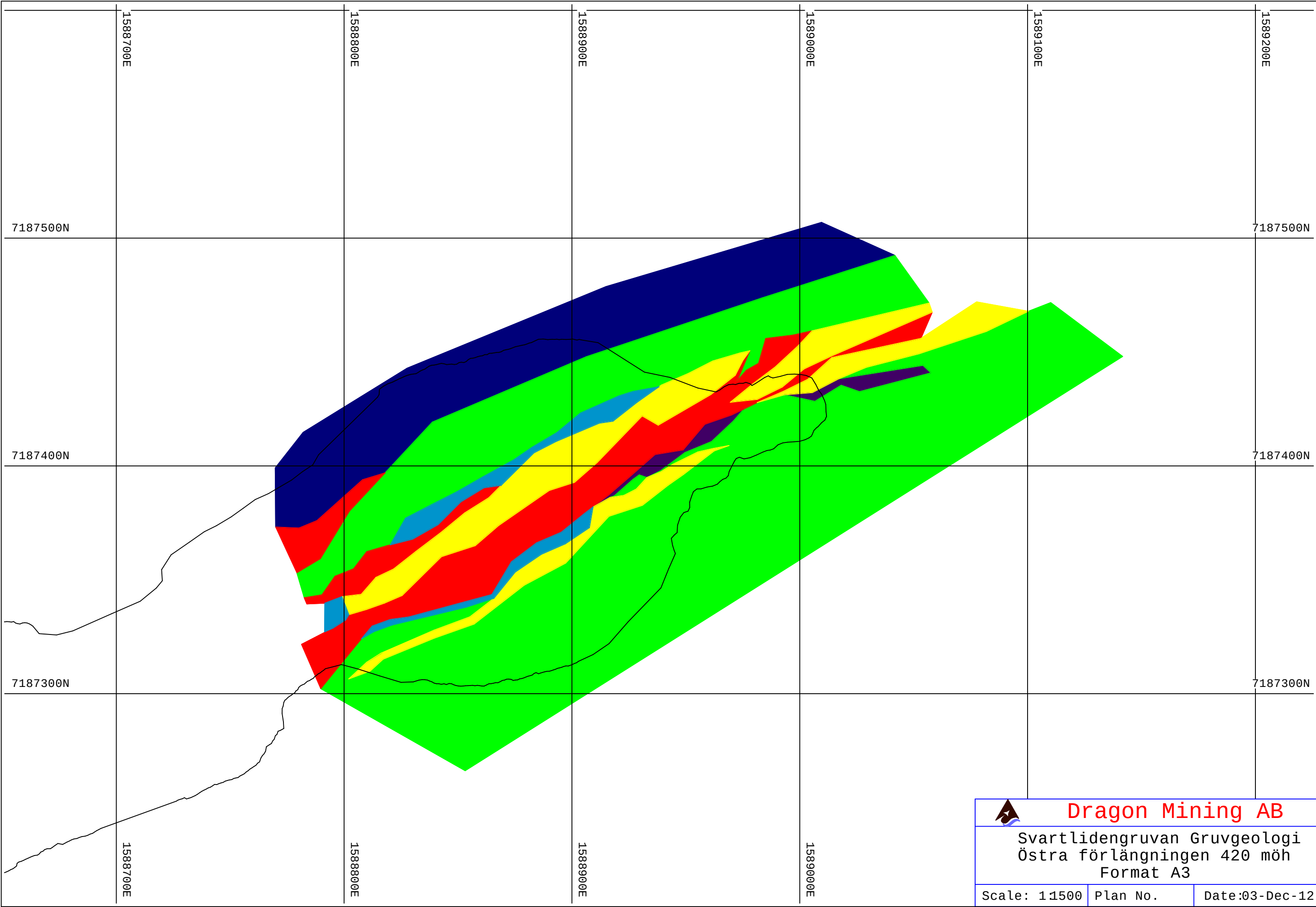


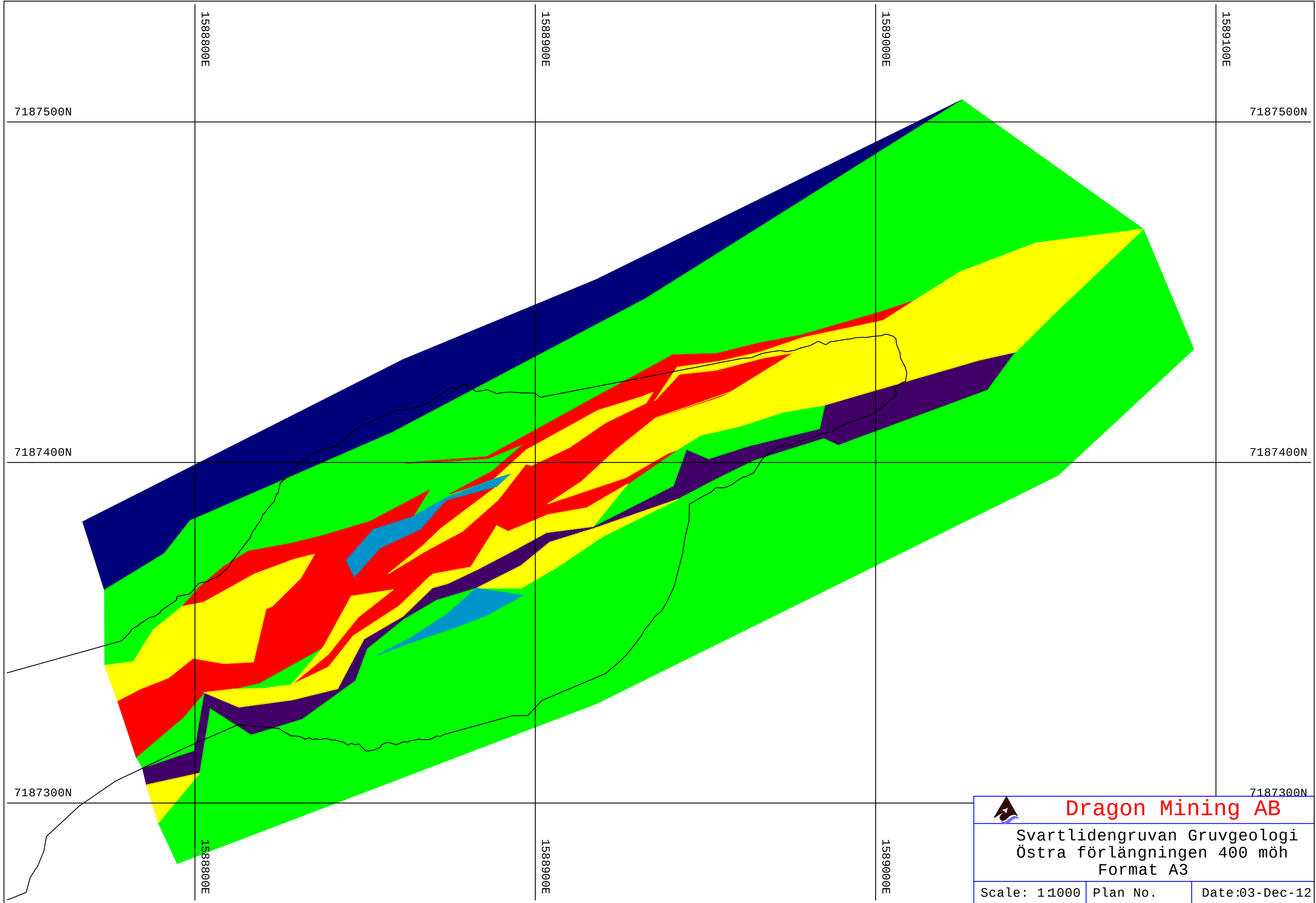
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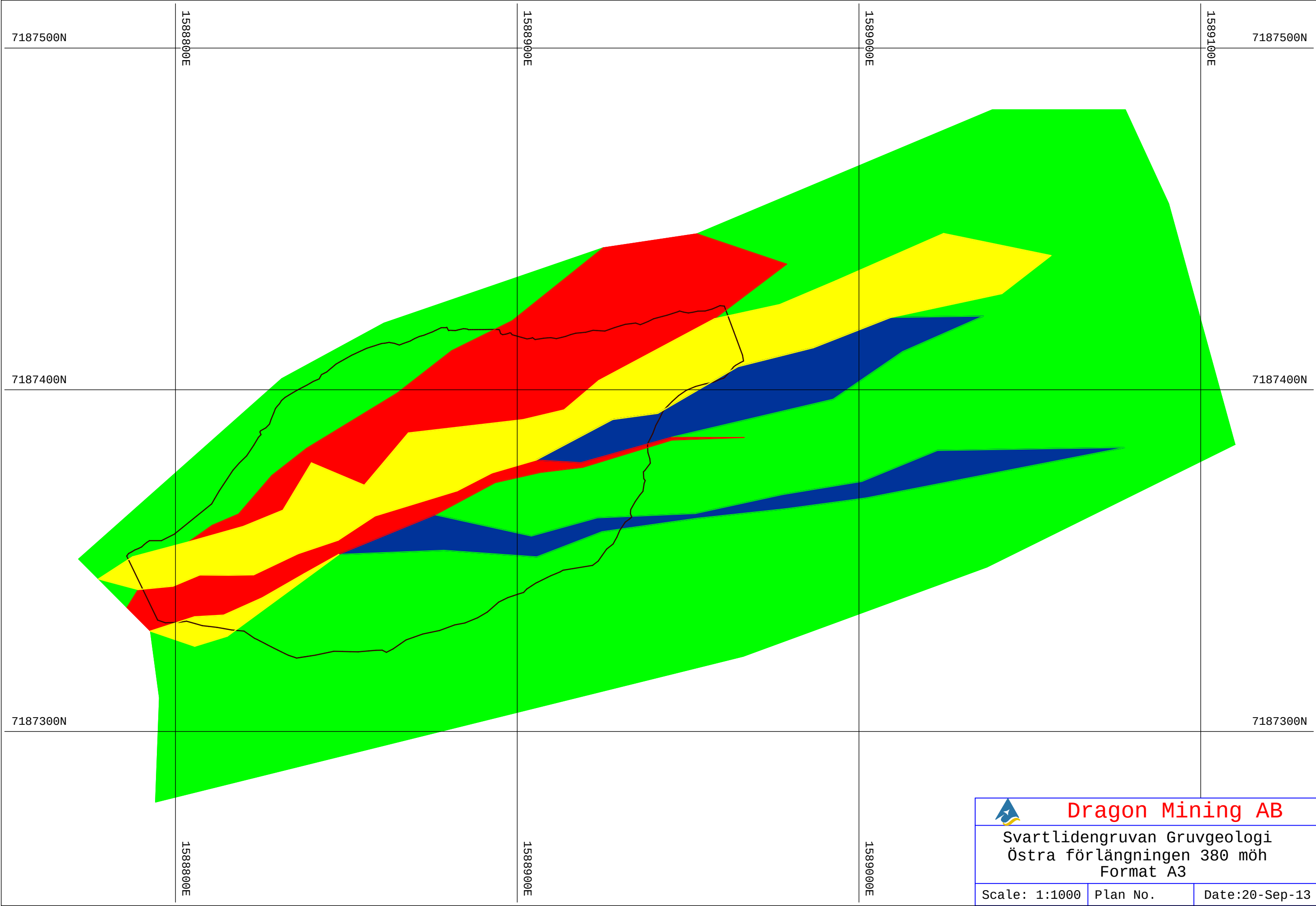
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Östra förlängningen 440 möh
Format A3

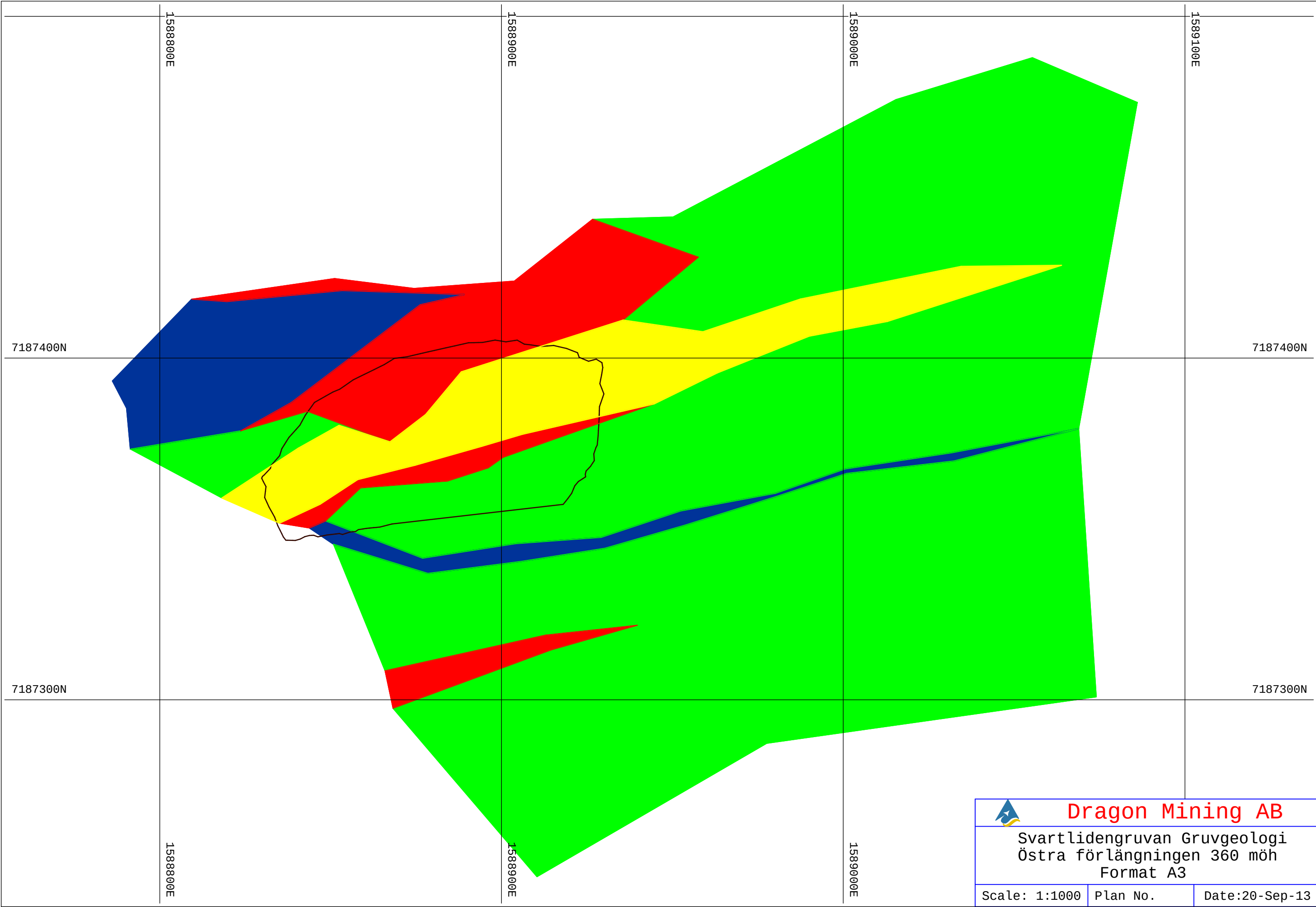
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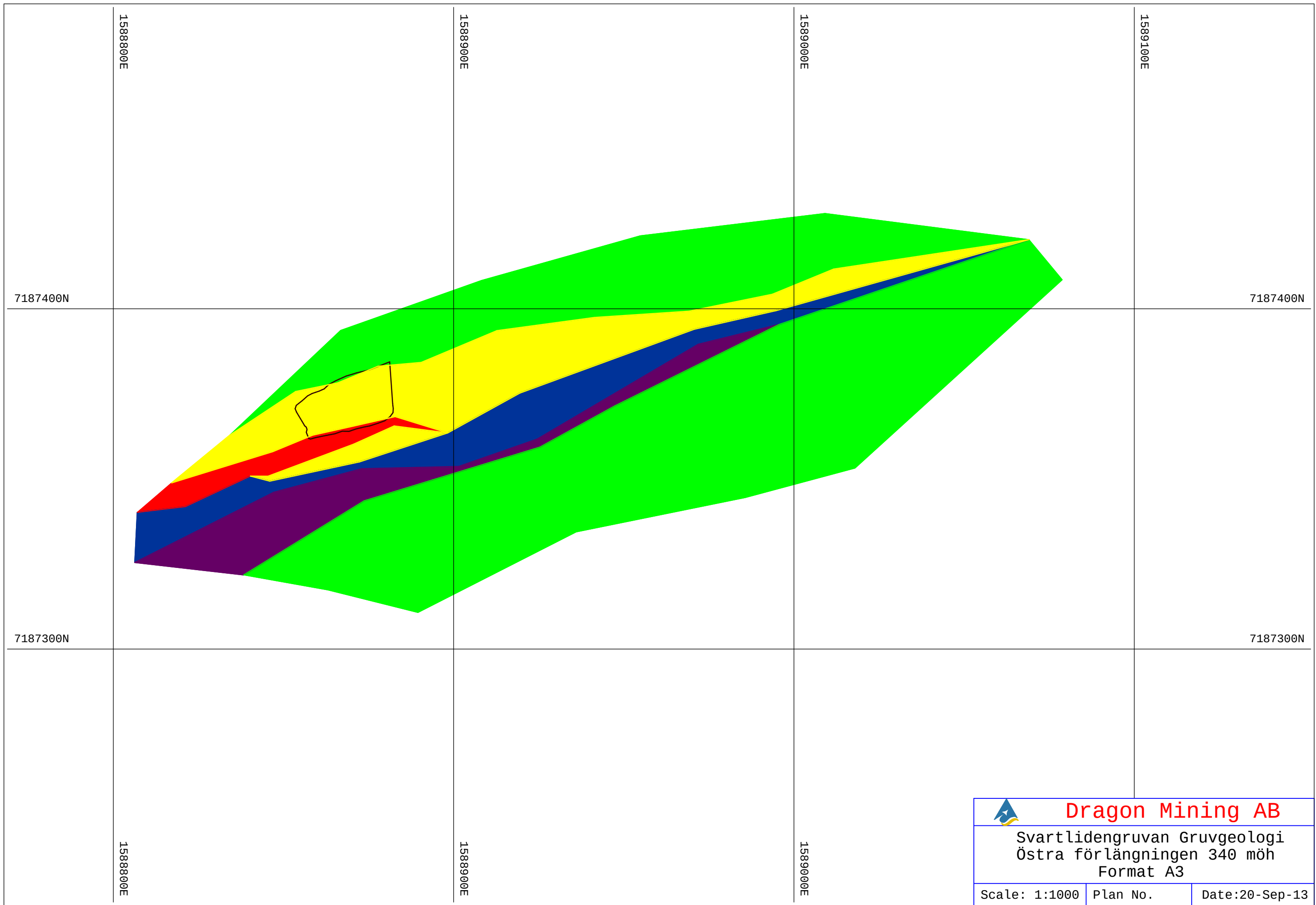






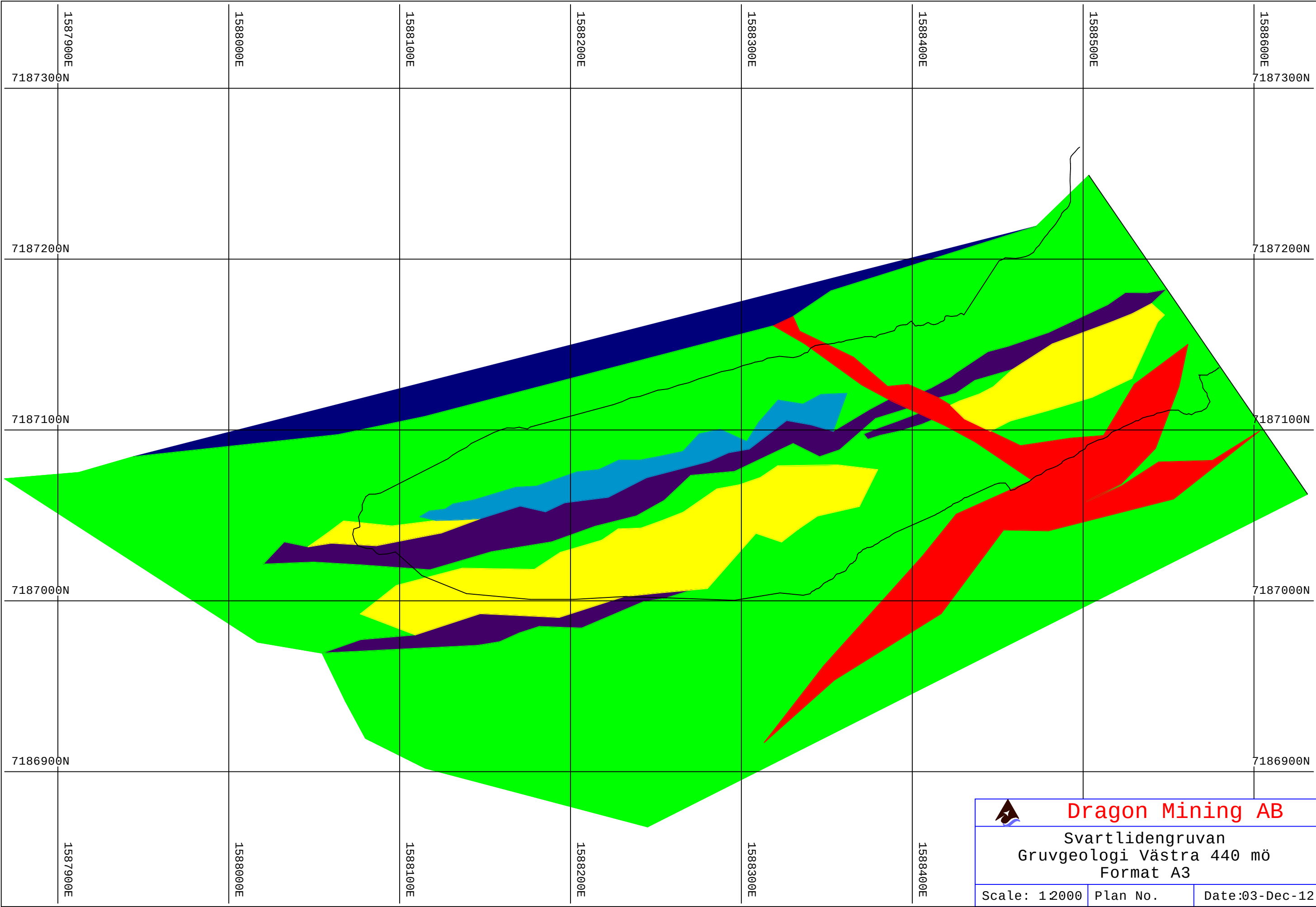


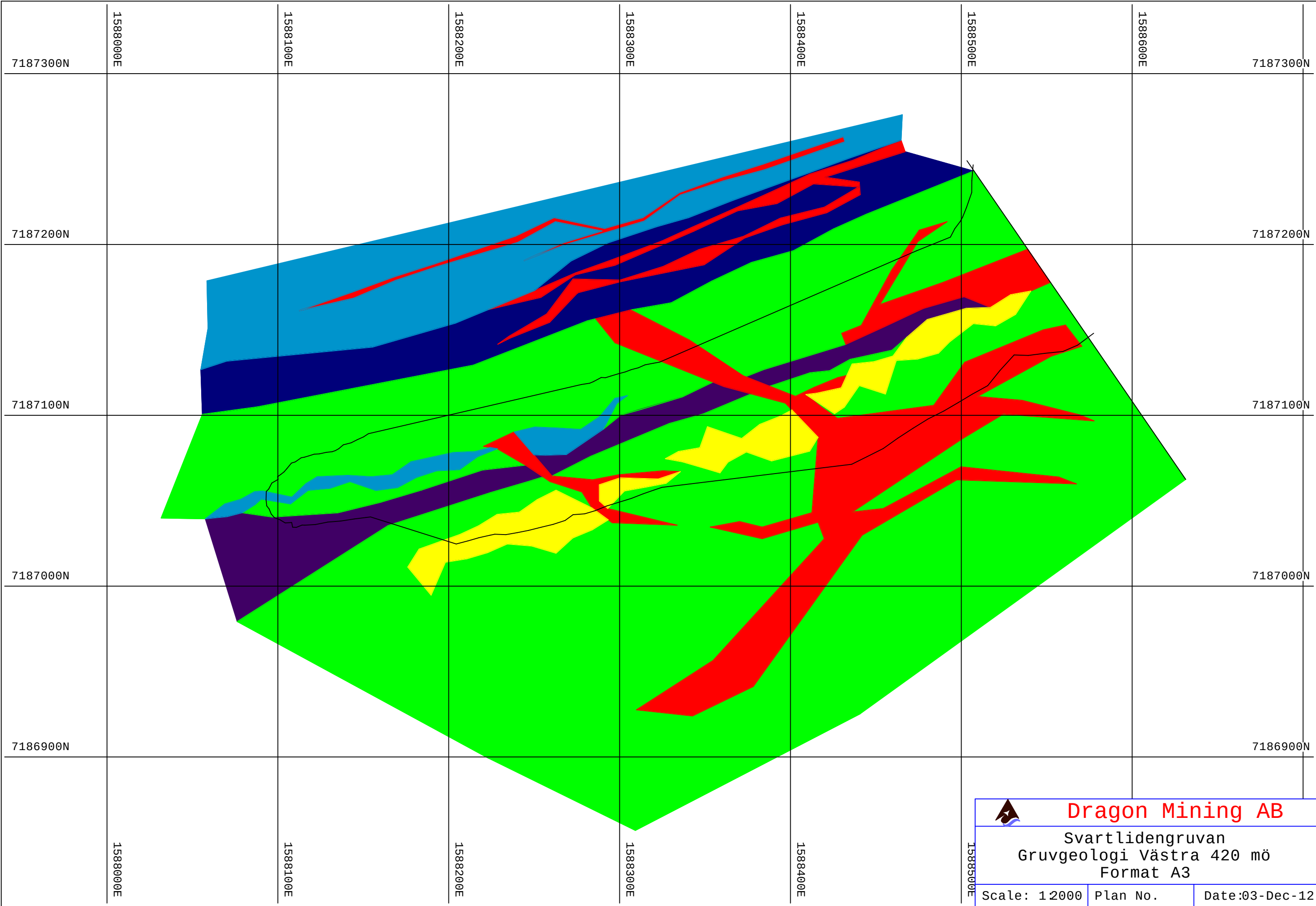
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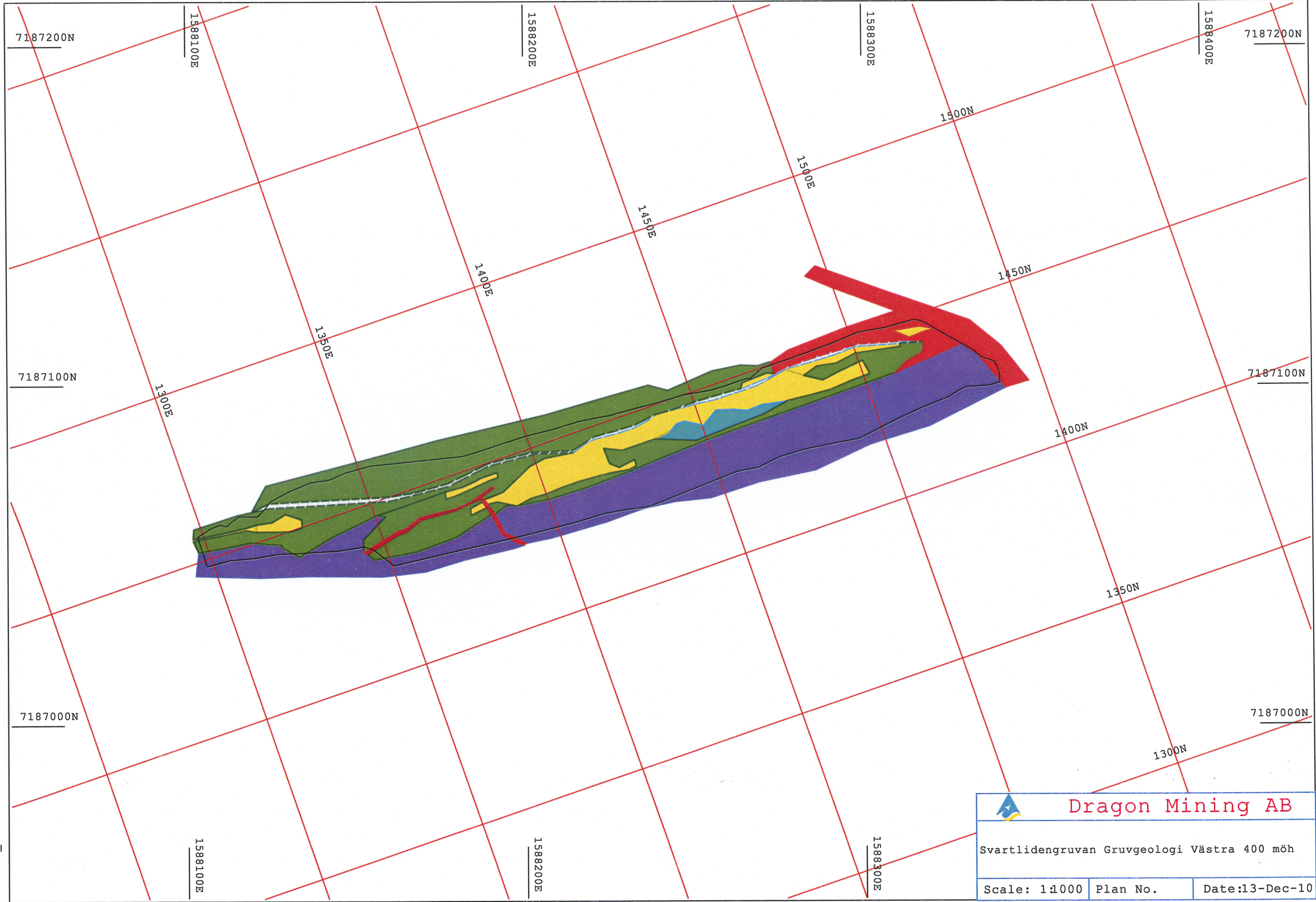


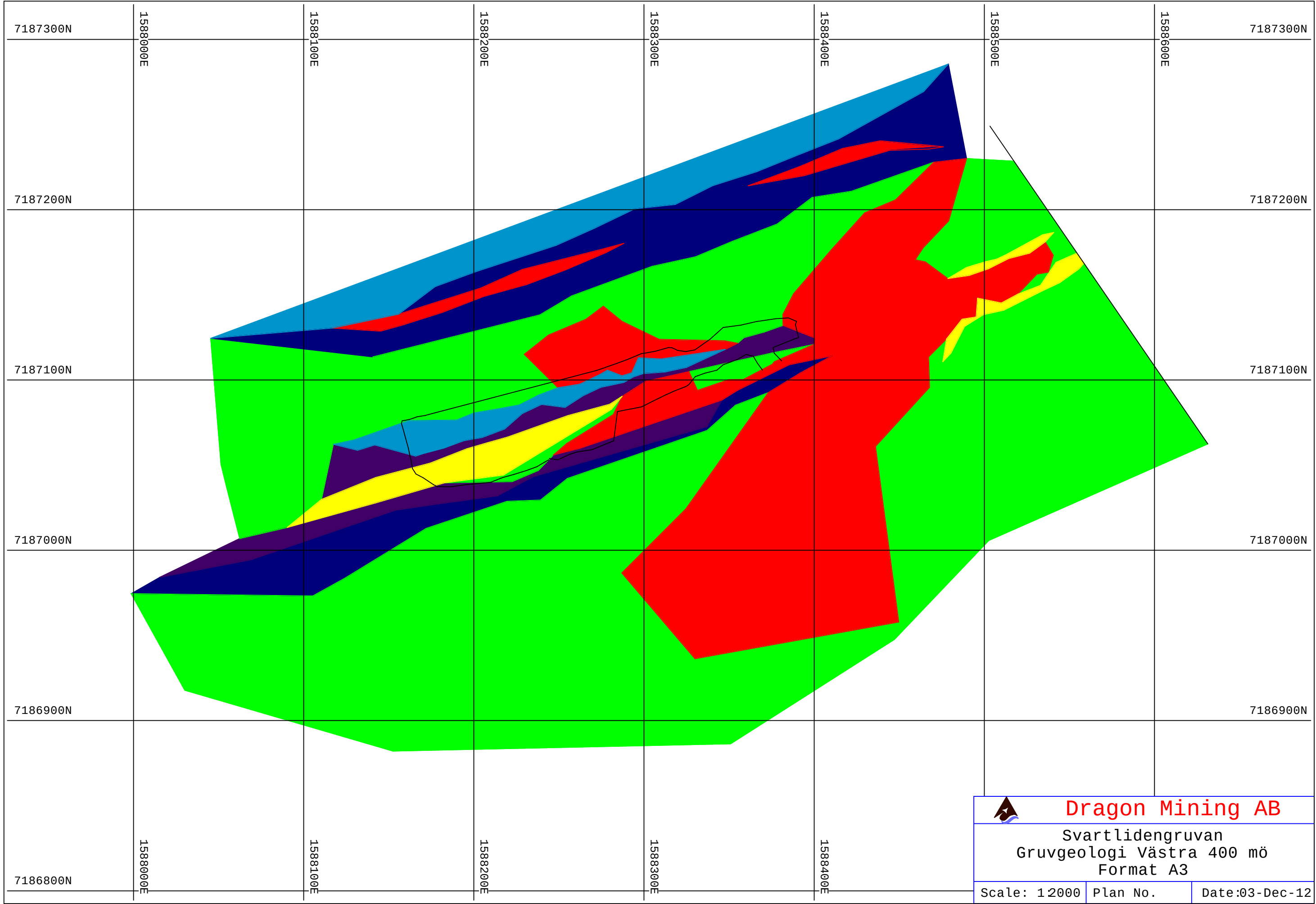
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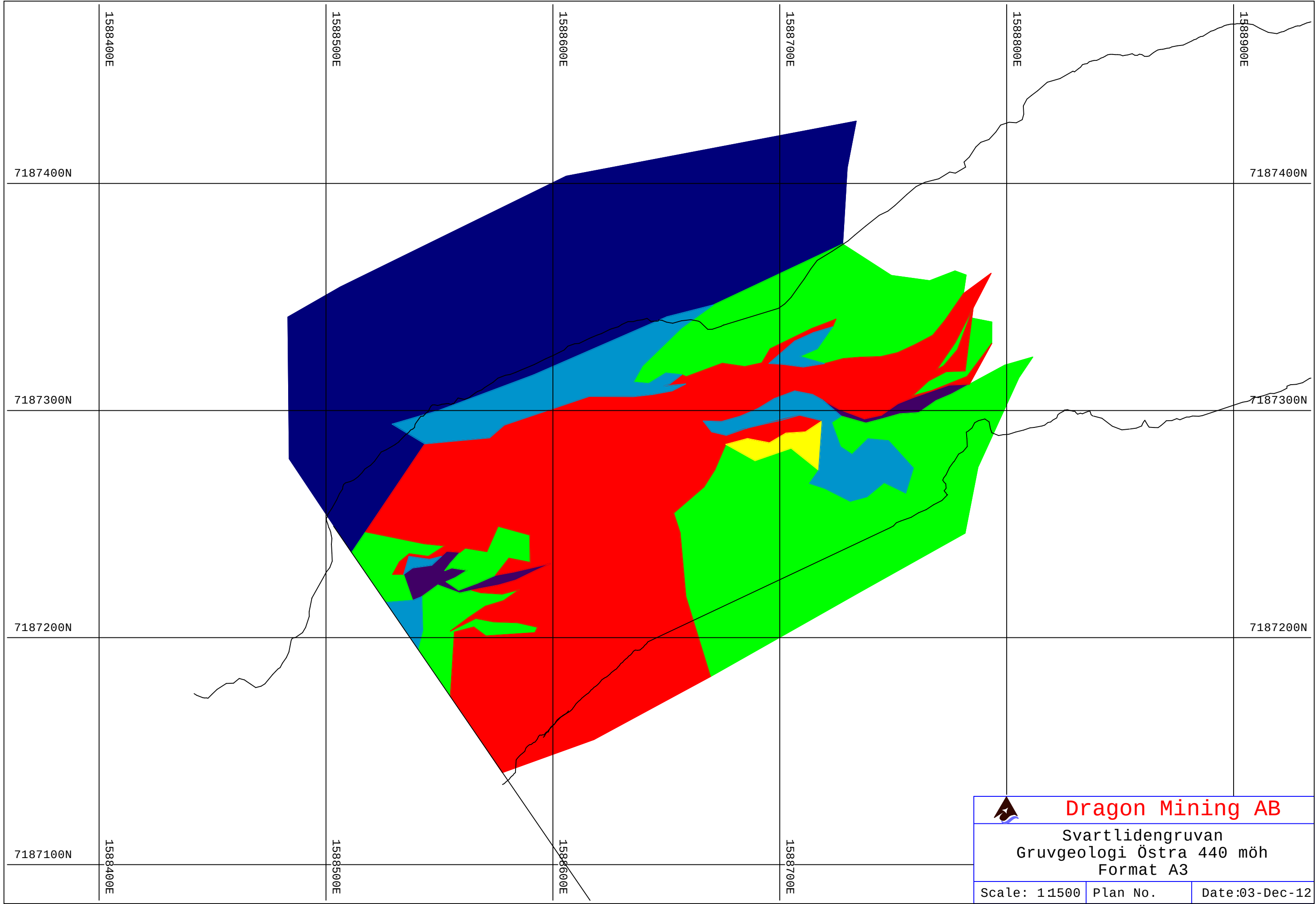


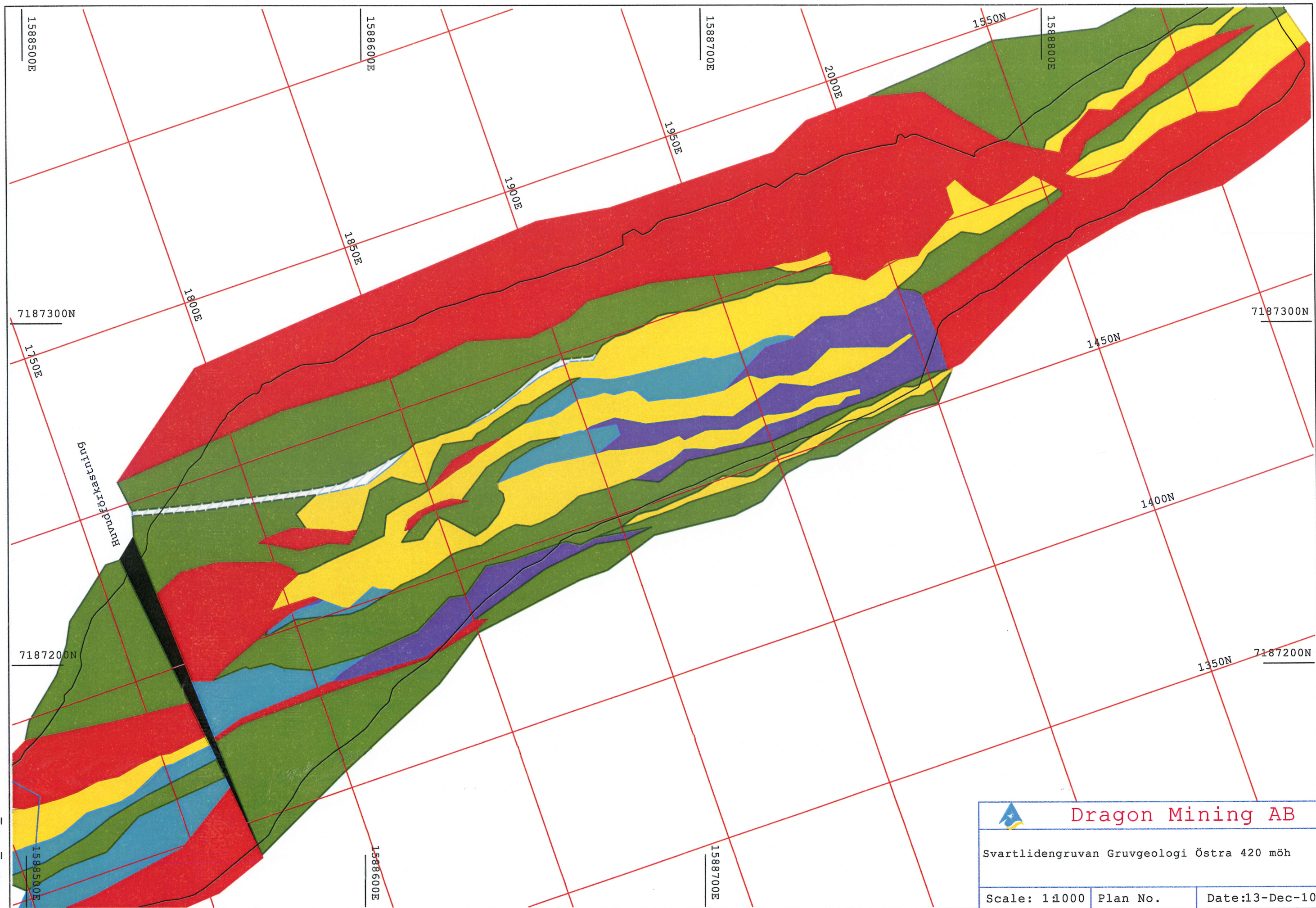






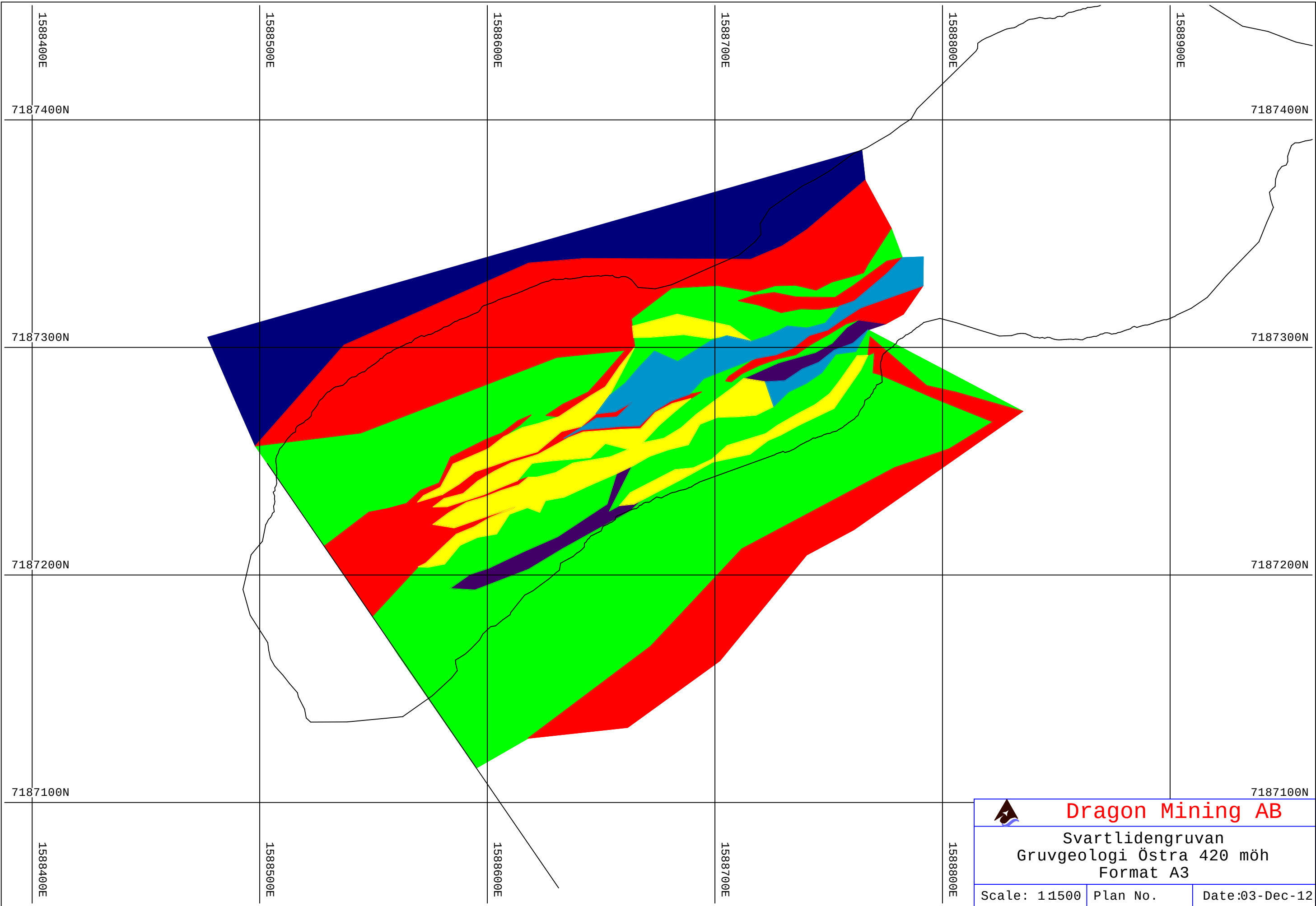
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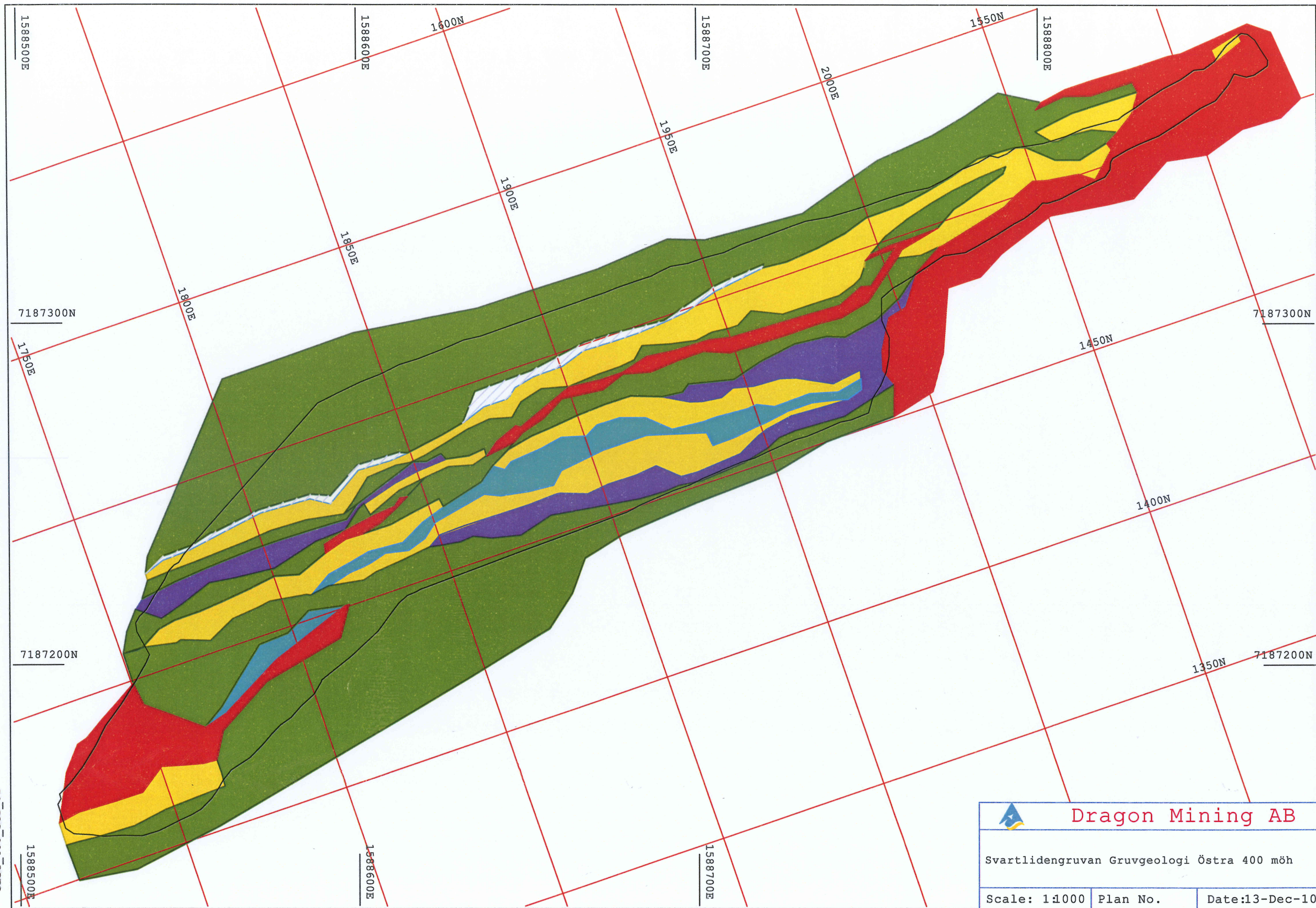




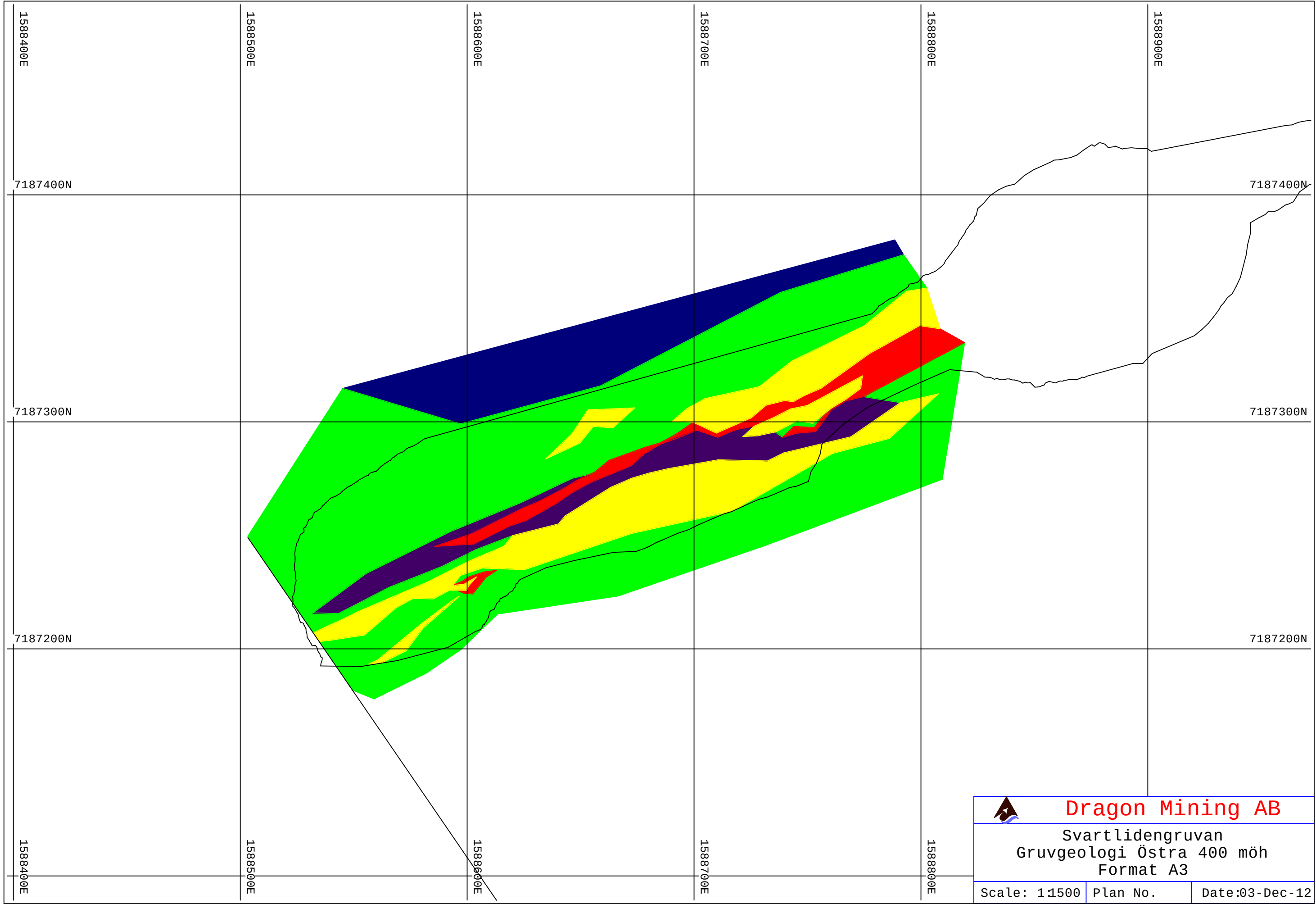
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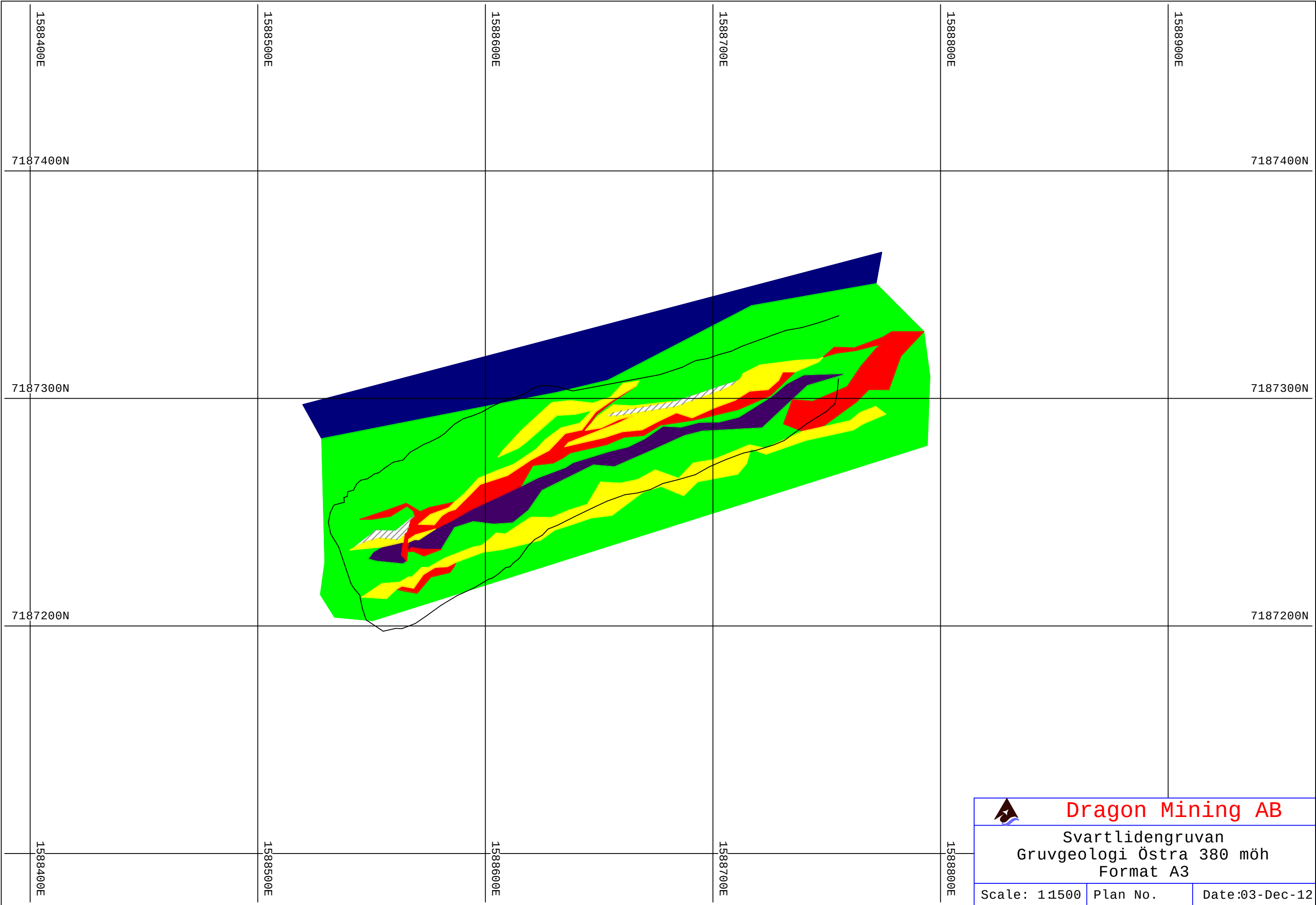
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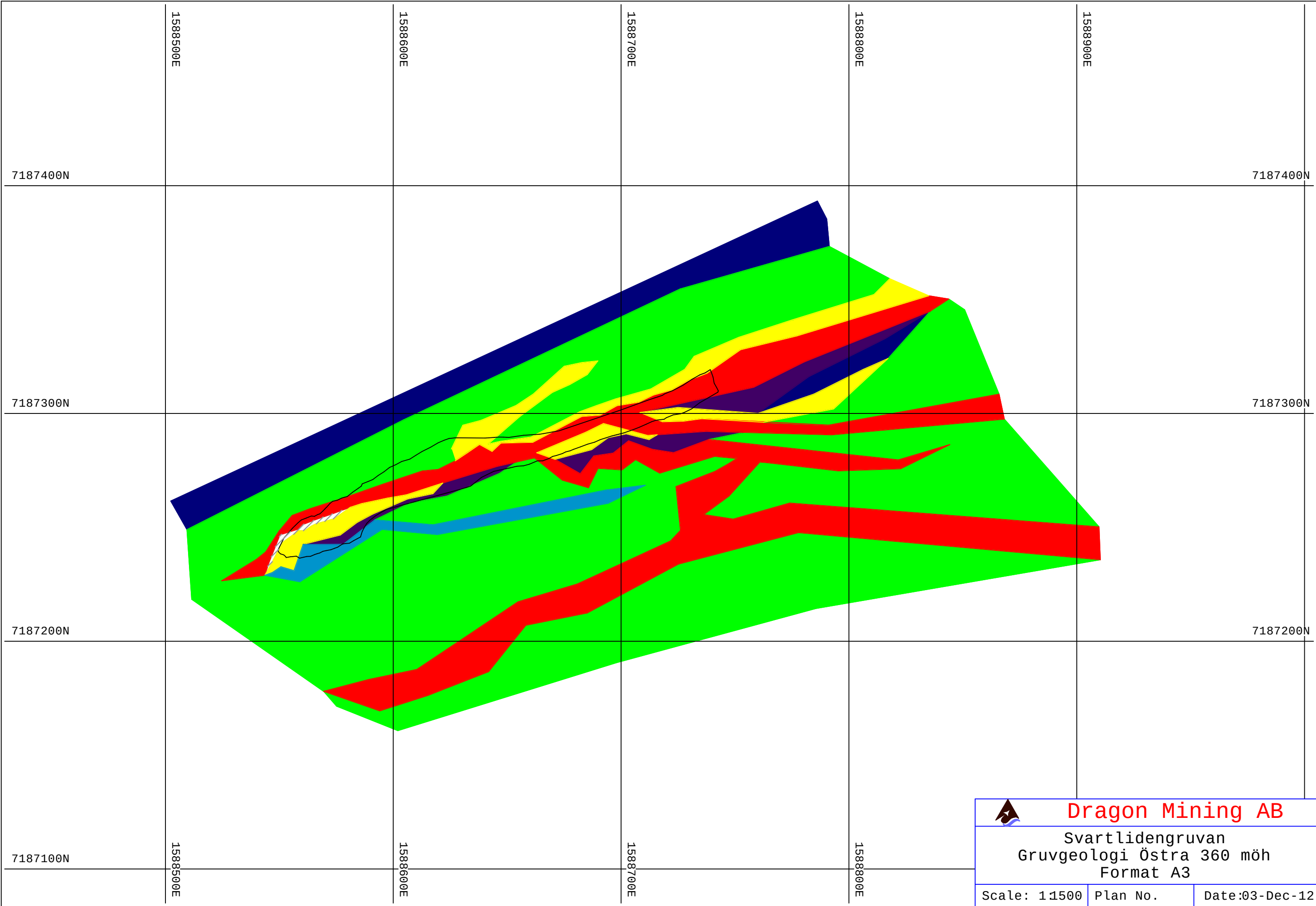




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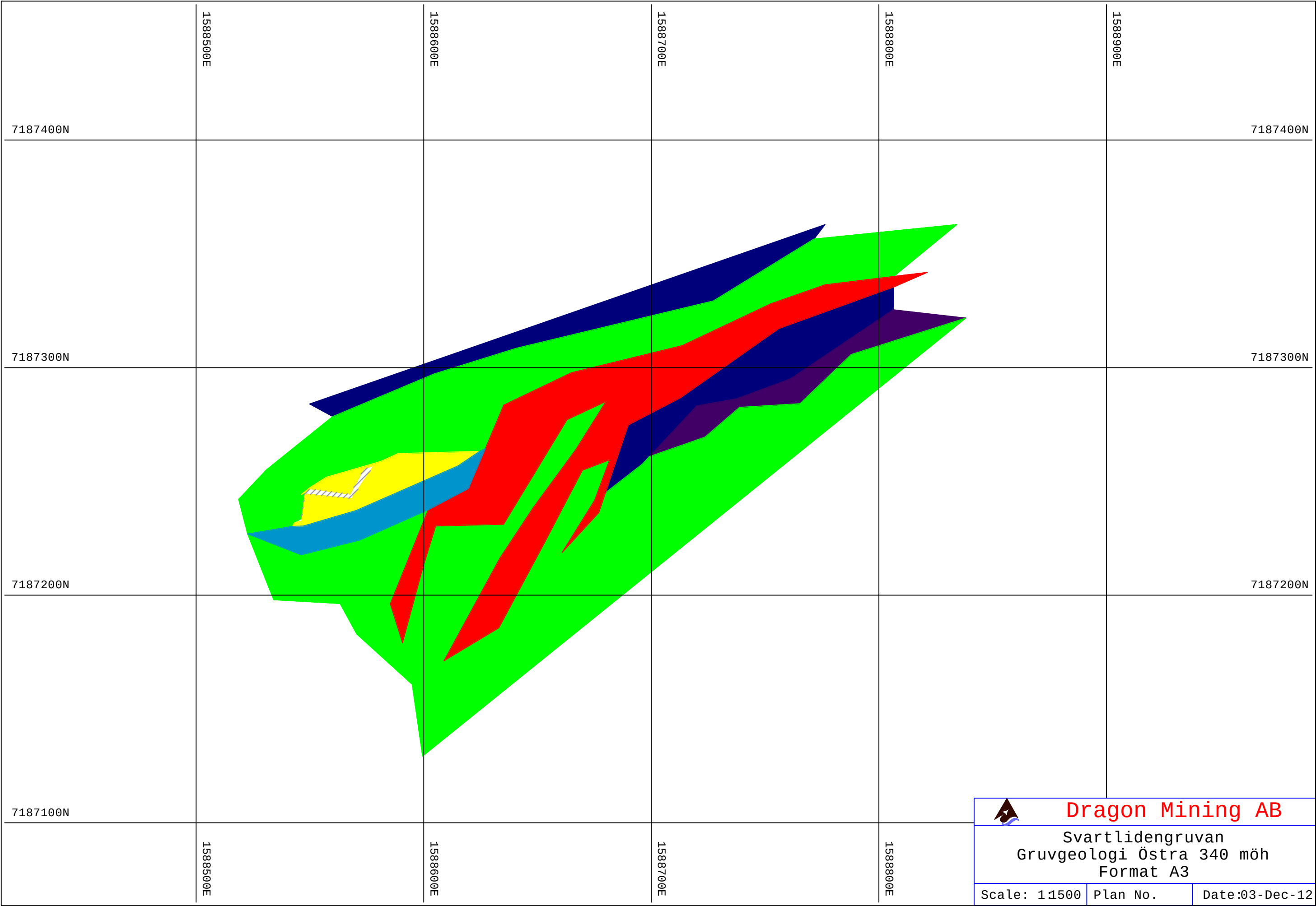




Dragon Mining AB

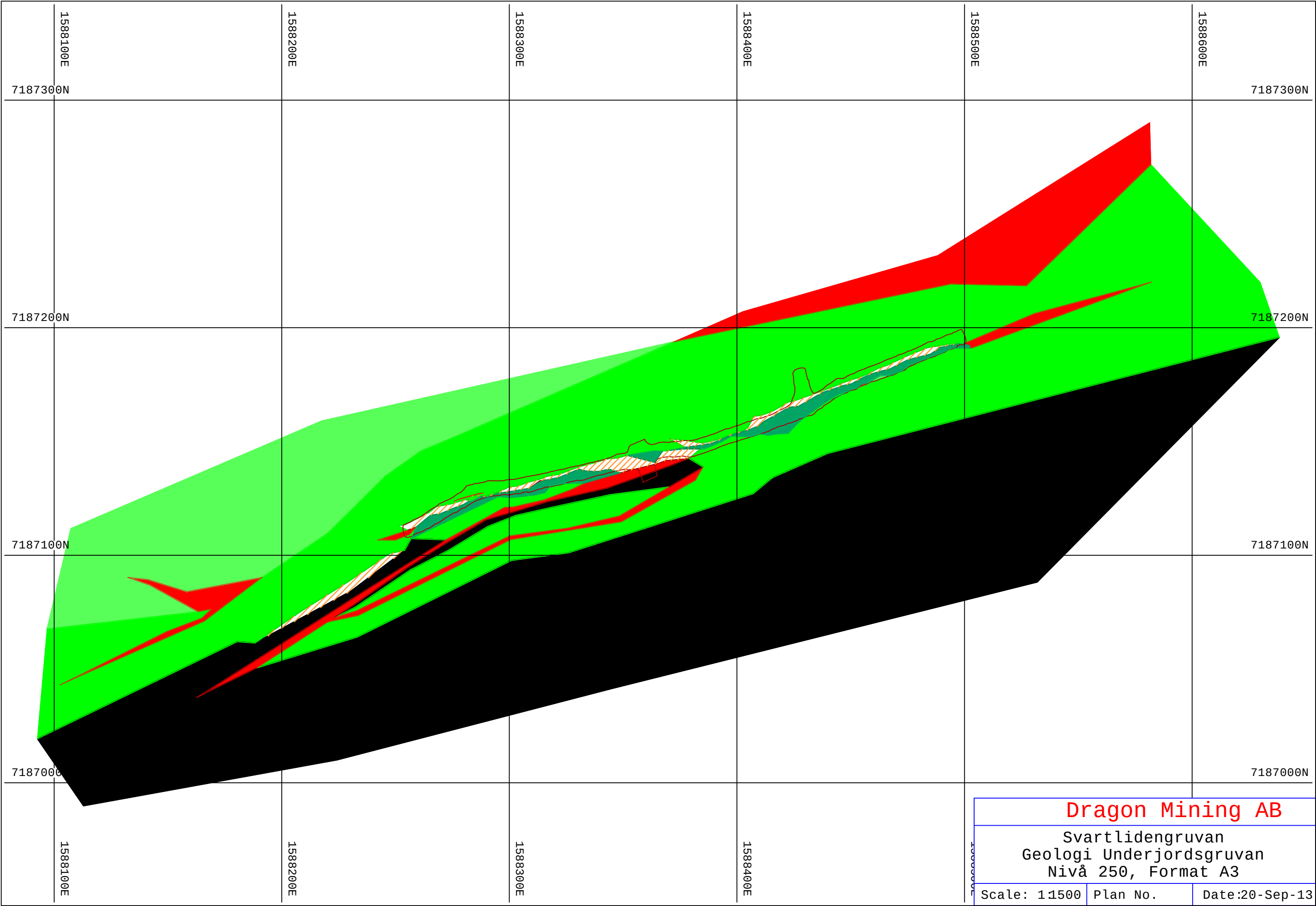
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Format A3

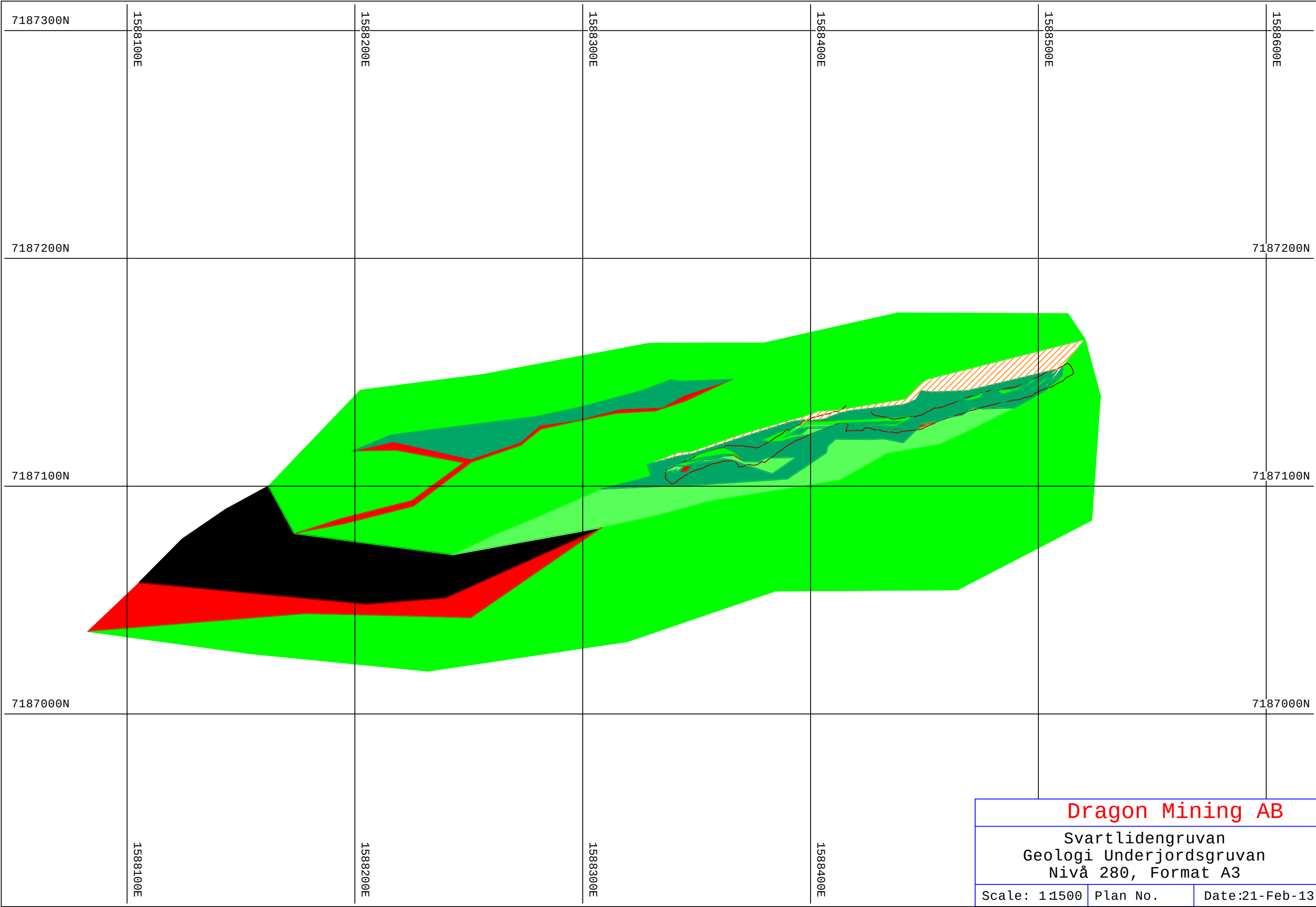
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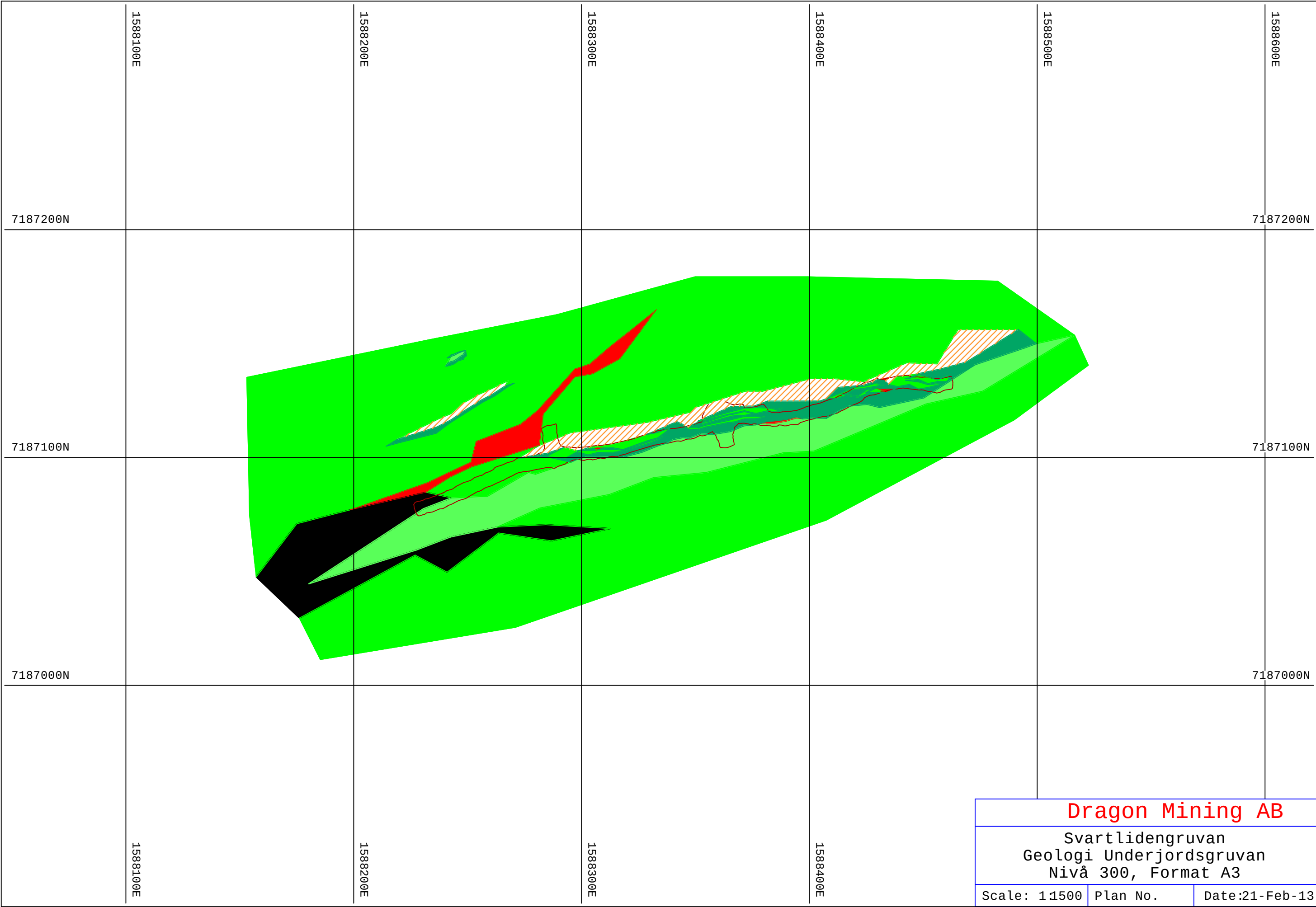


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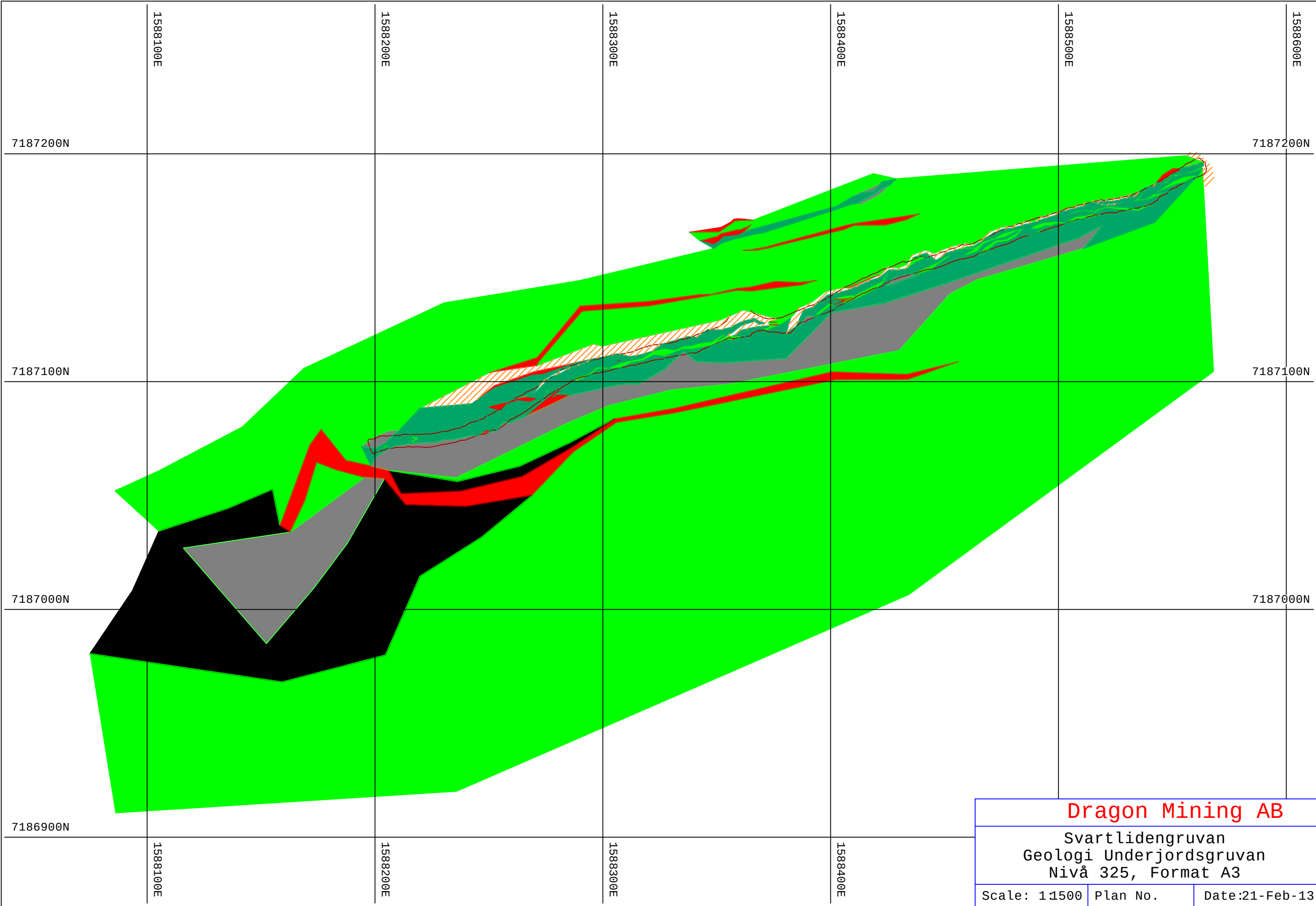


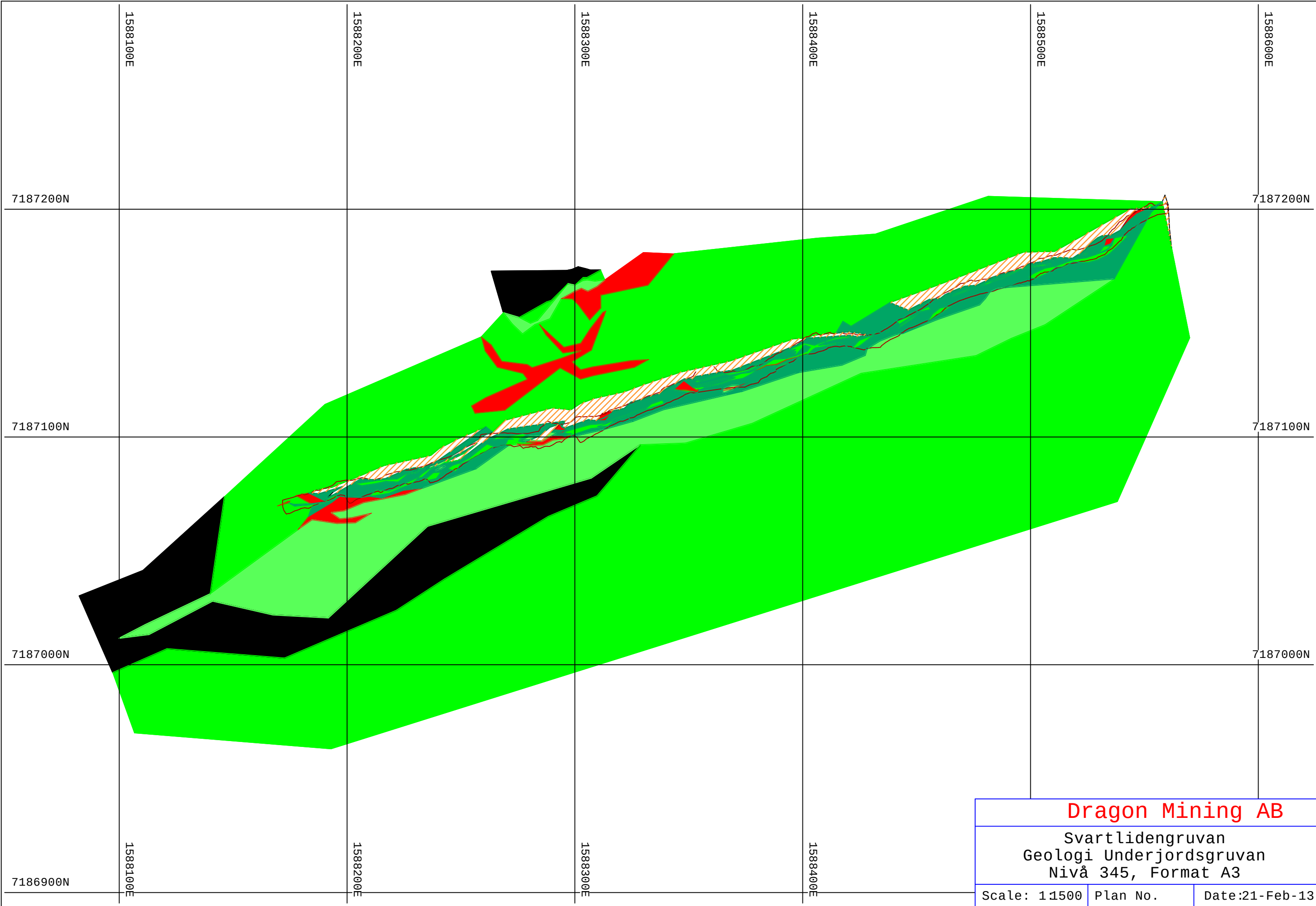


Dragon Mining AB

Svartlidengruvan
Geologi Underjordsgruvan
Nivå 300, Format A3

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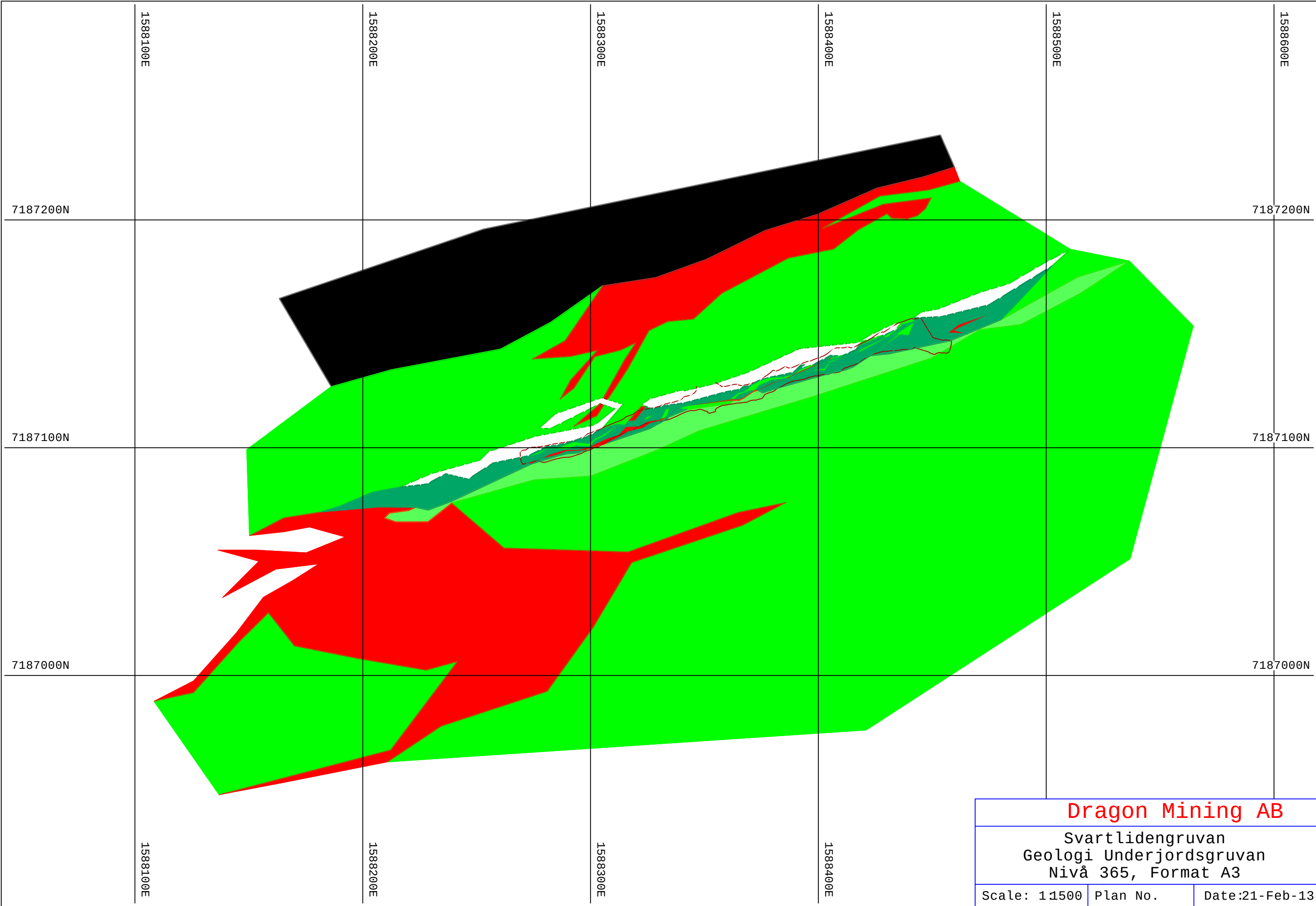


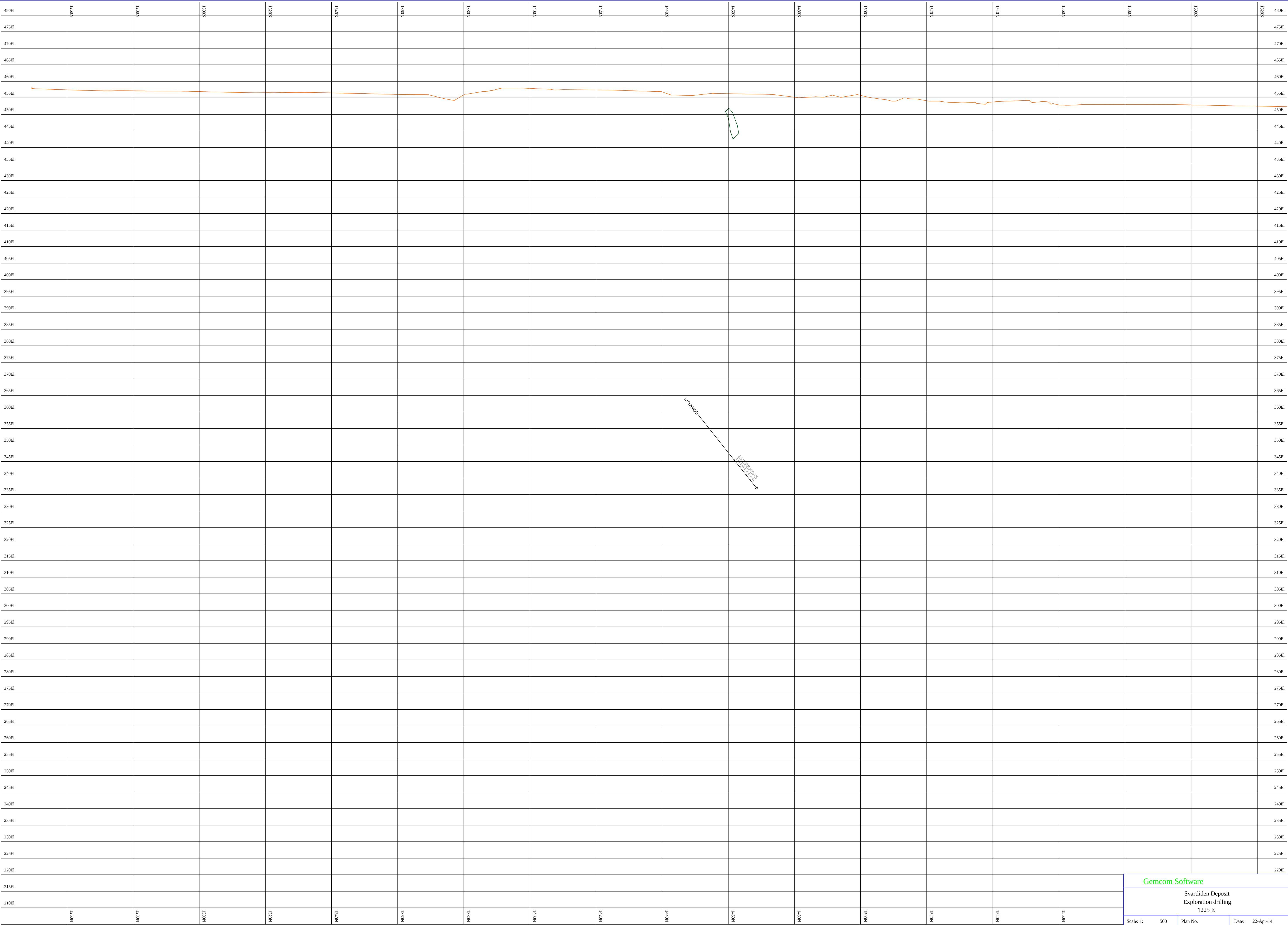


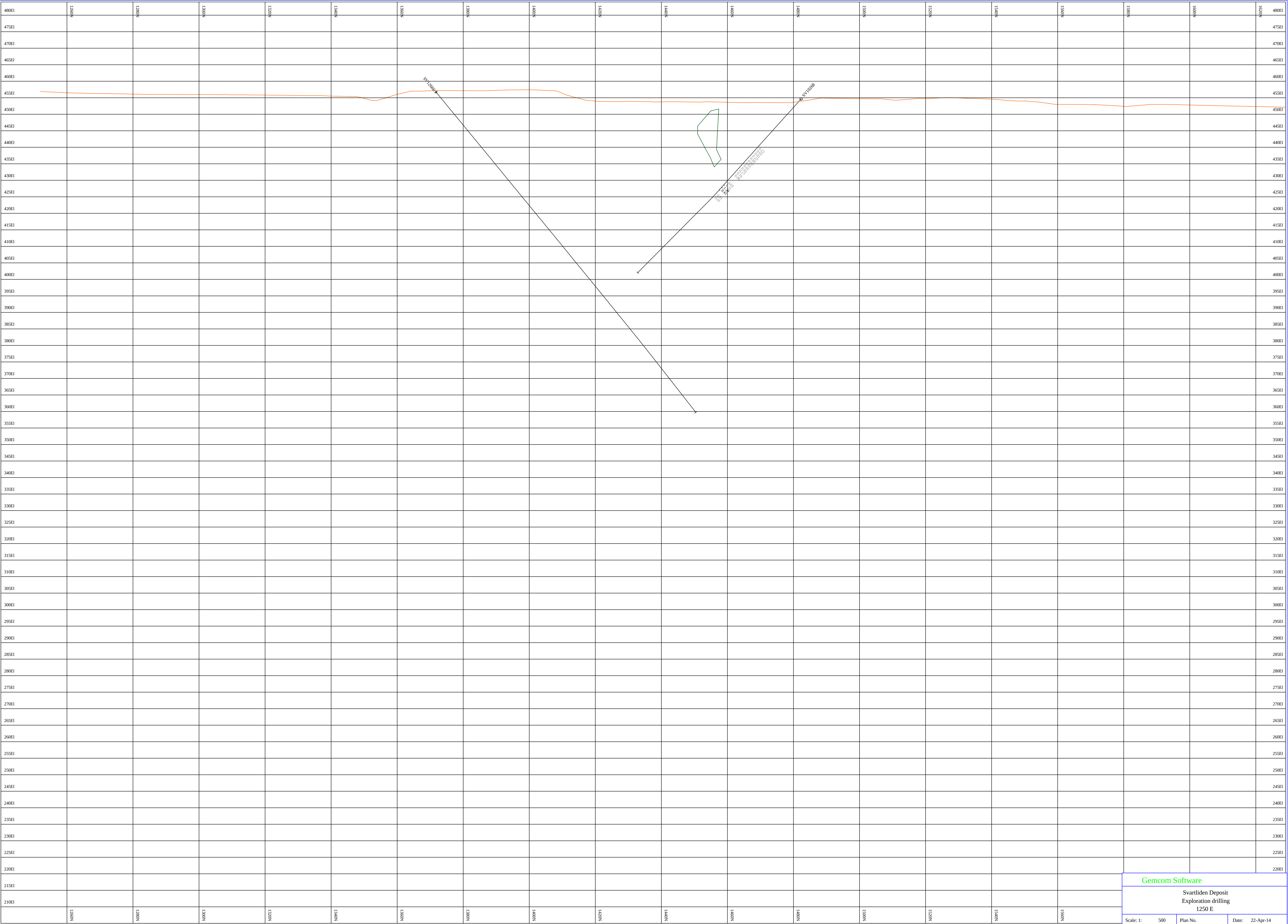
Dragon Mining AB

Svartlidengruvan
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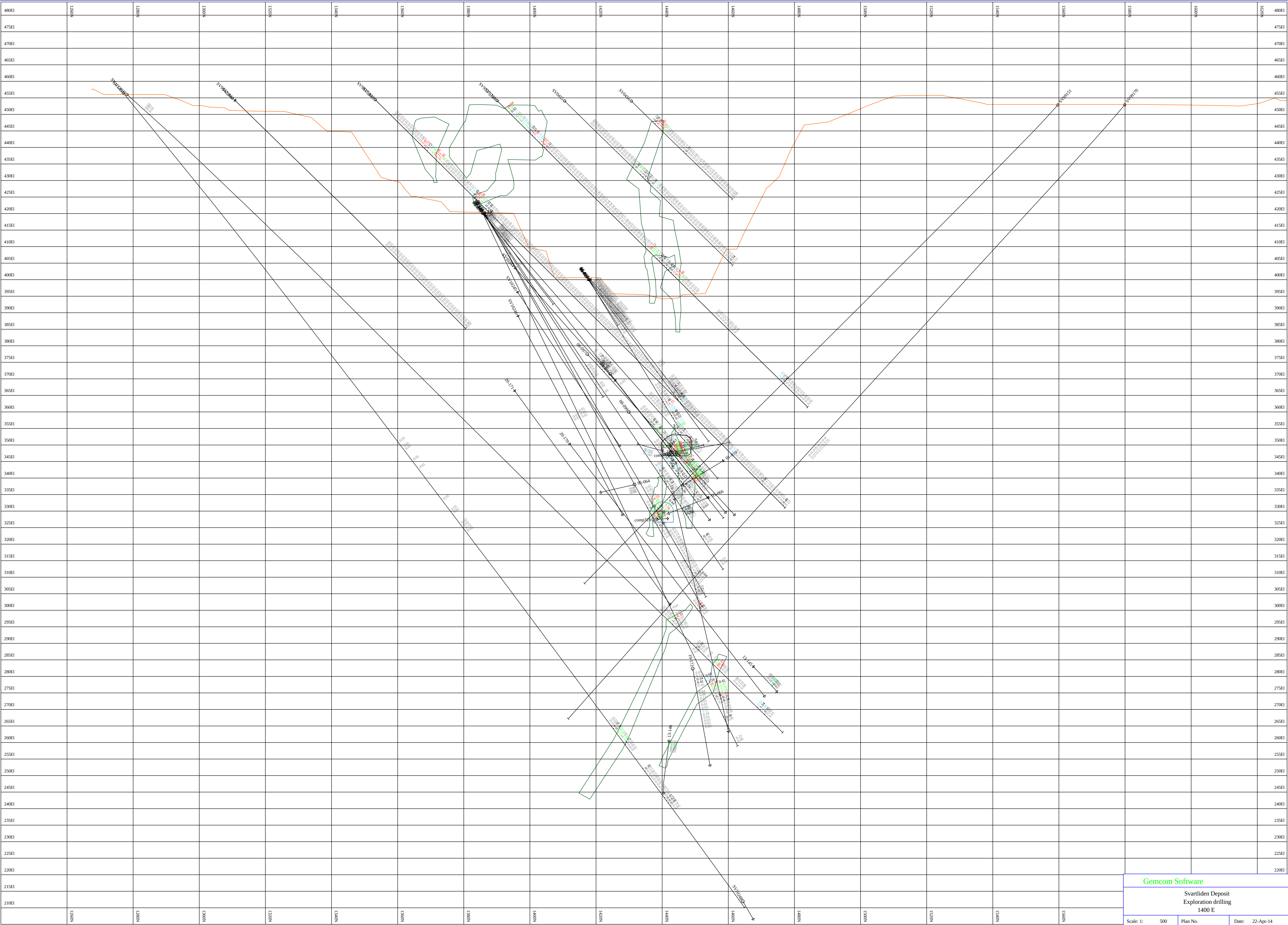
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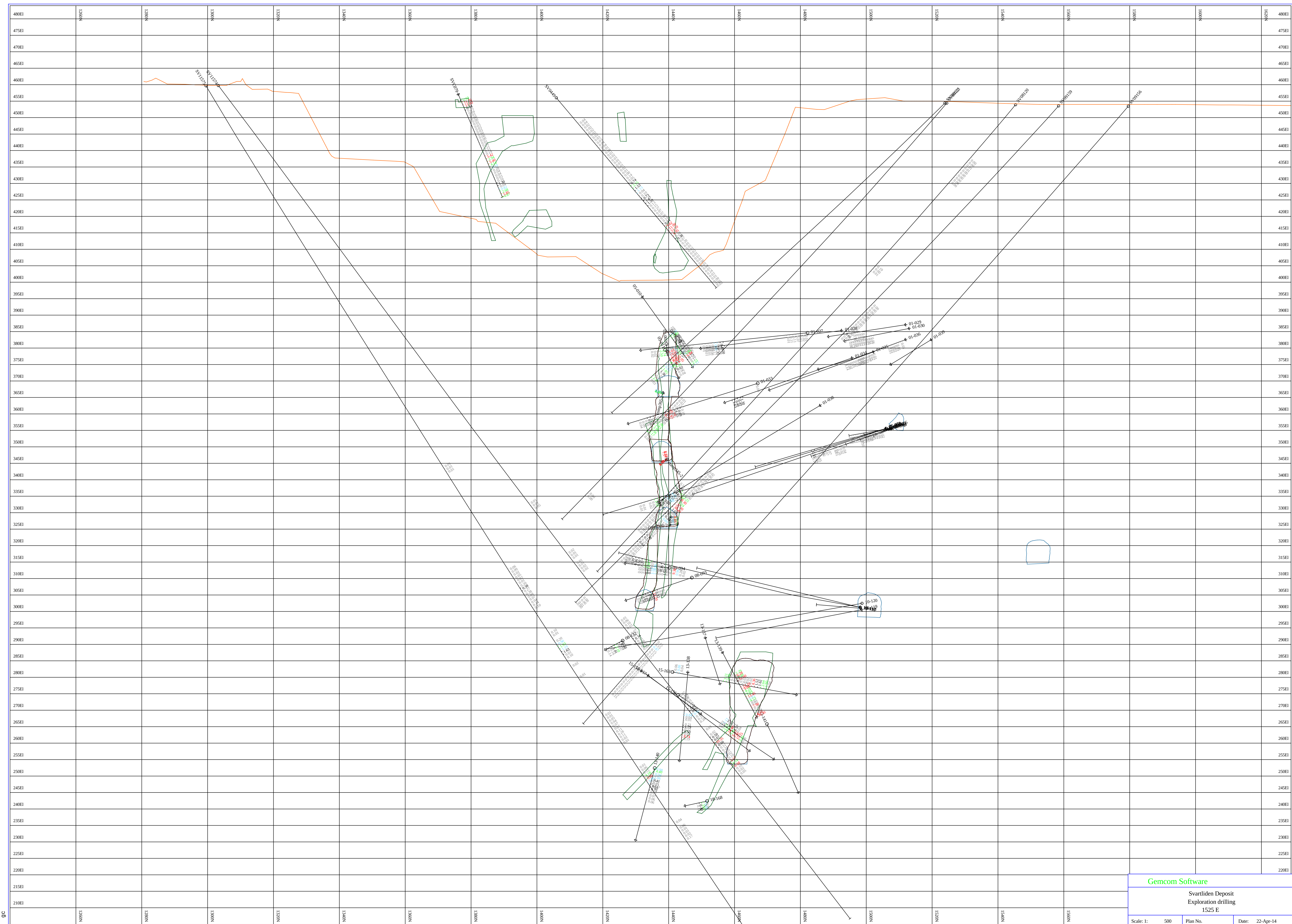


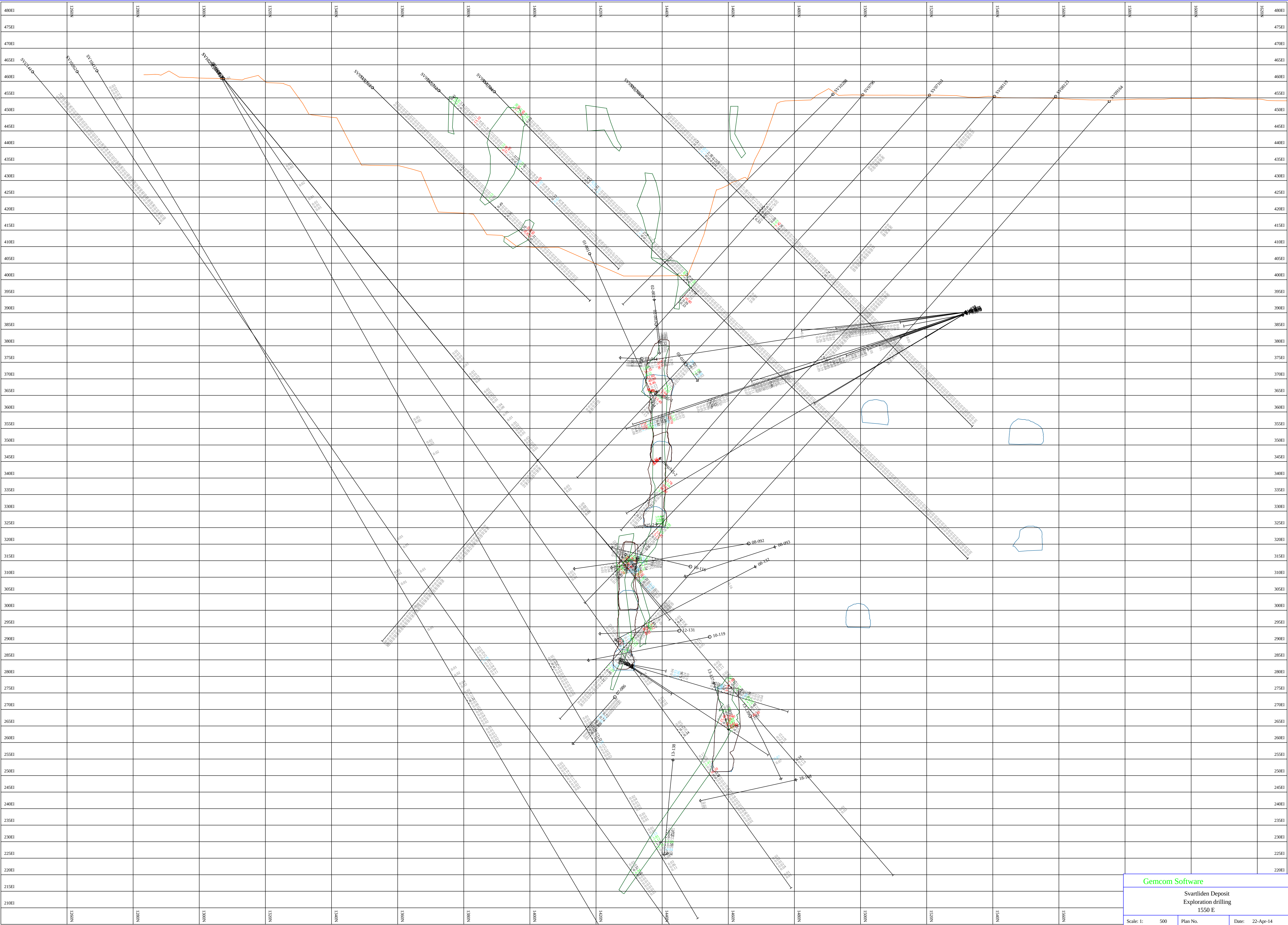


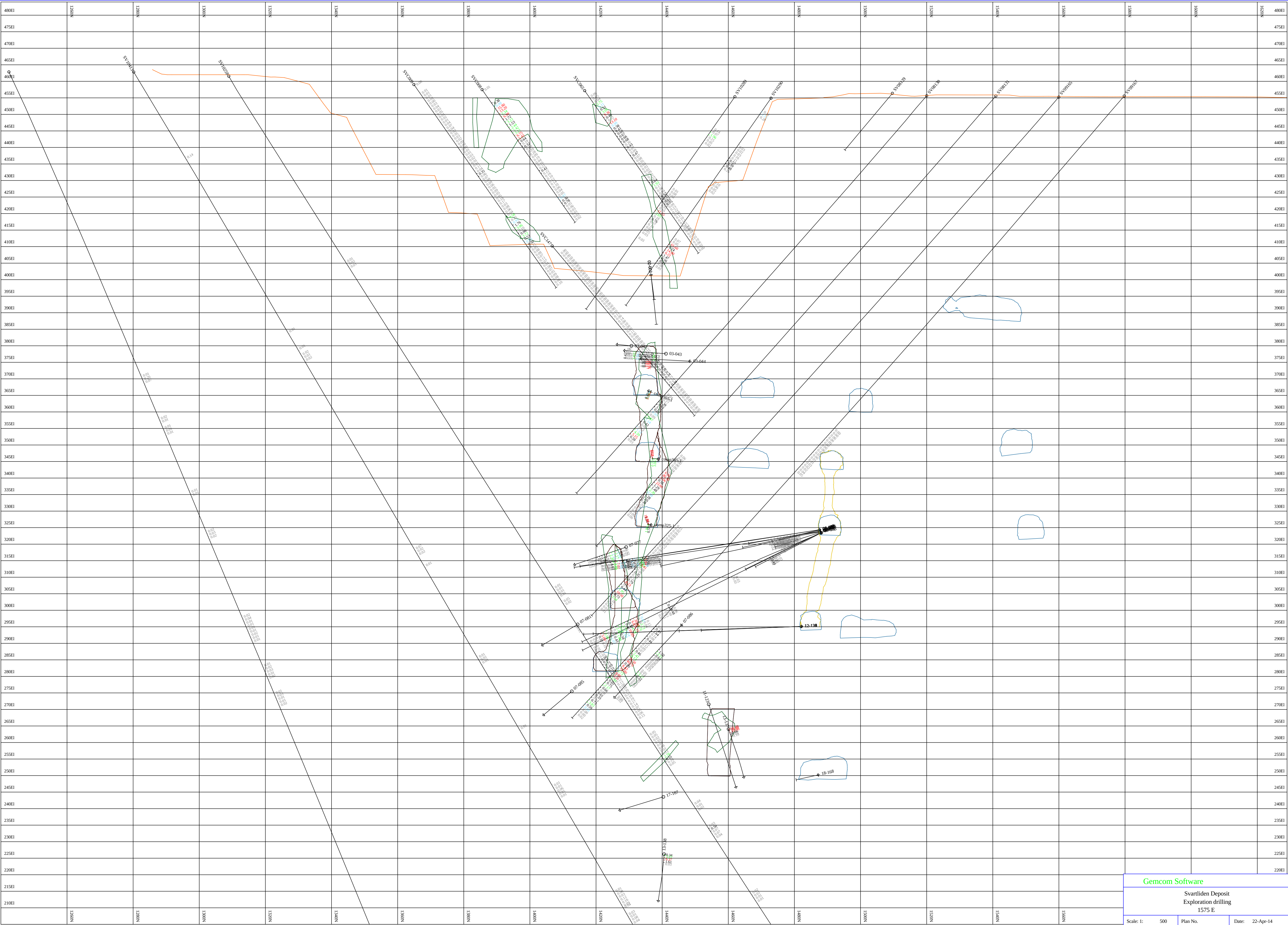
Gemcom Software

Svartliden Deposit
Exploration drilling
1400 E

Scale: 1: 500 Plan No. Date: 22-Apr-14



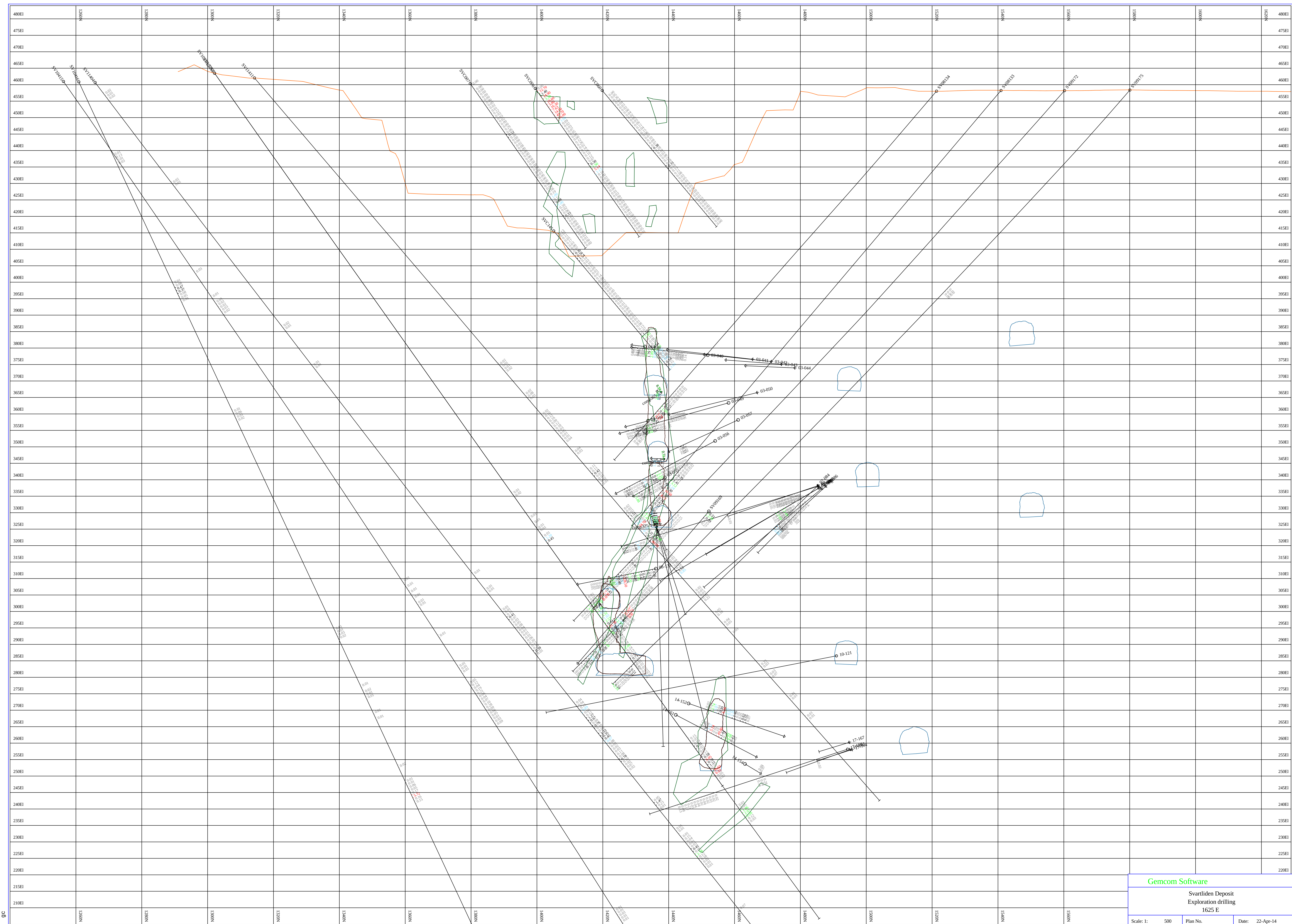


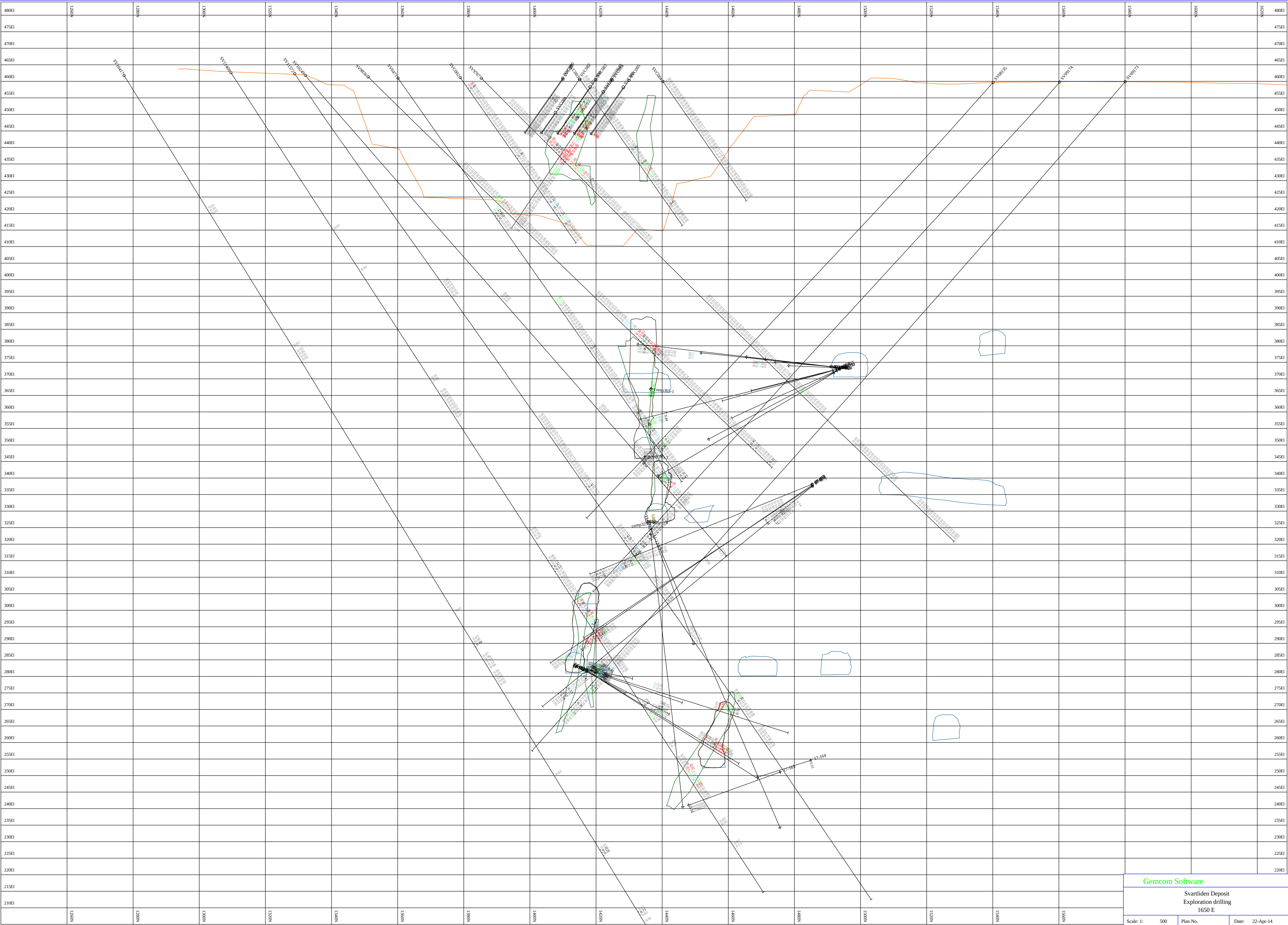


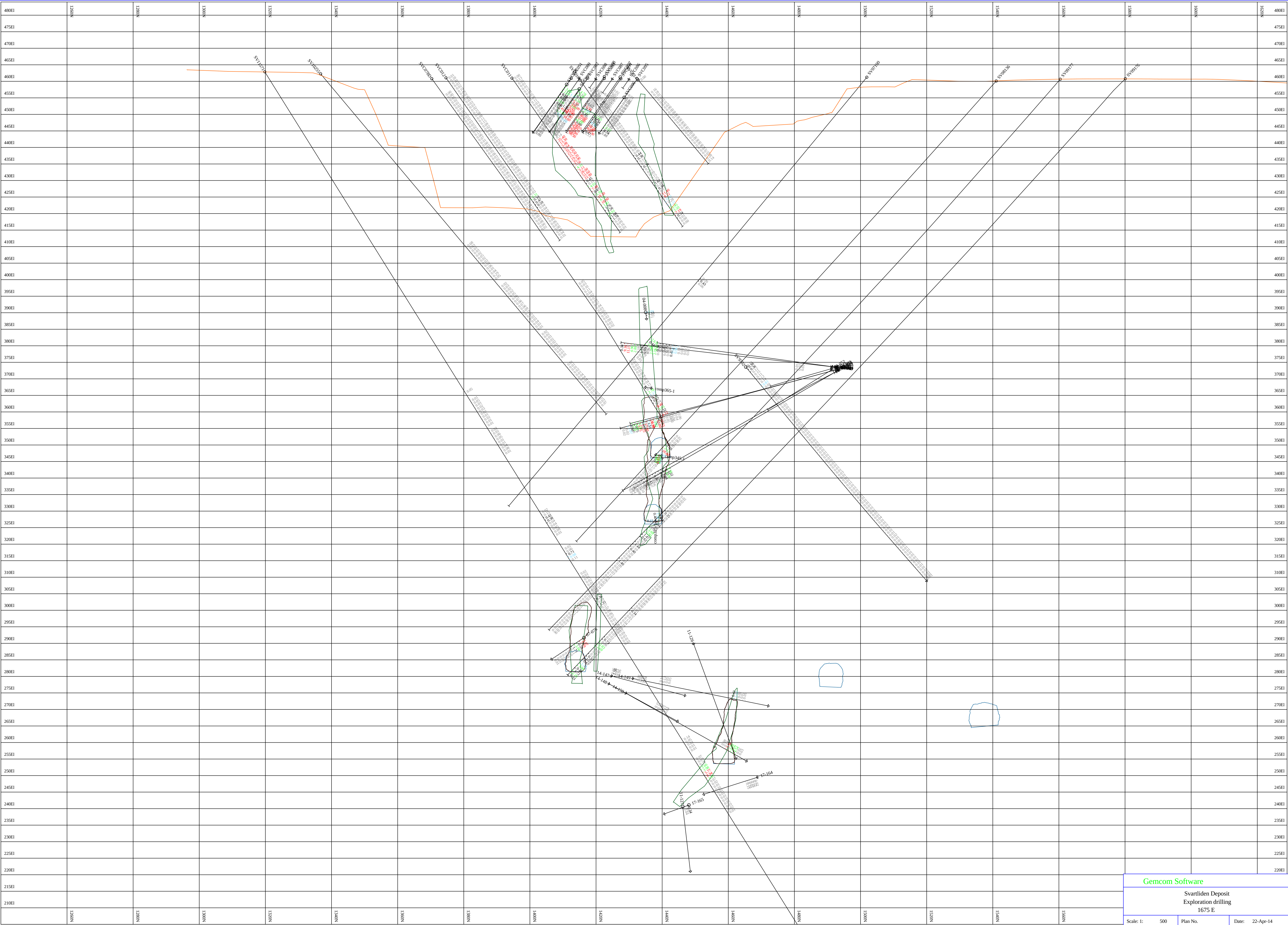
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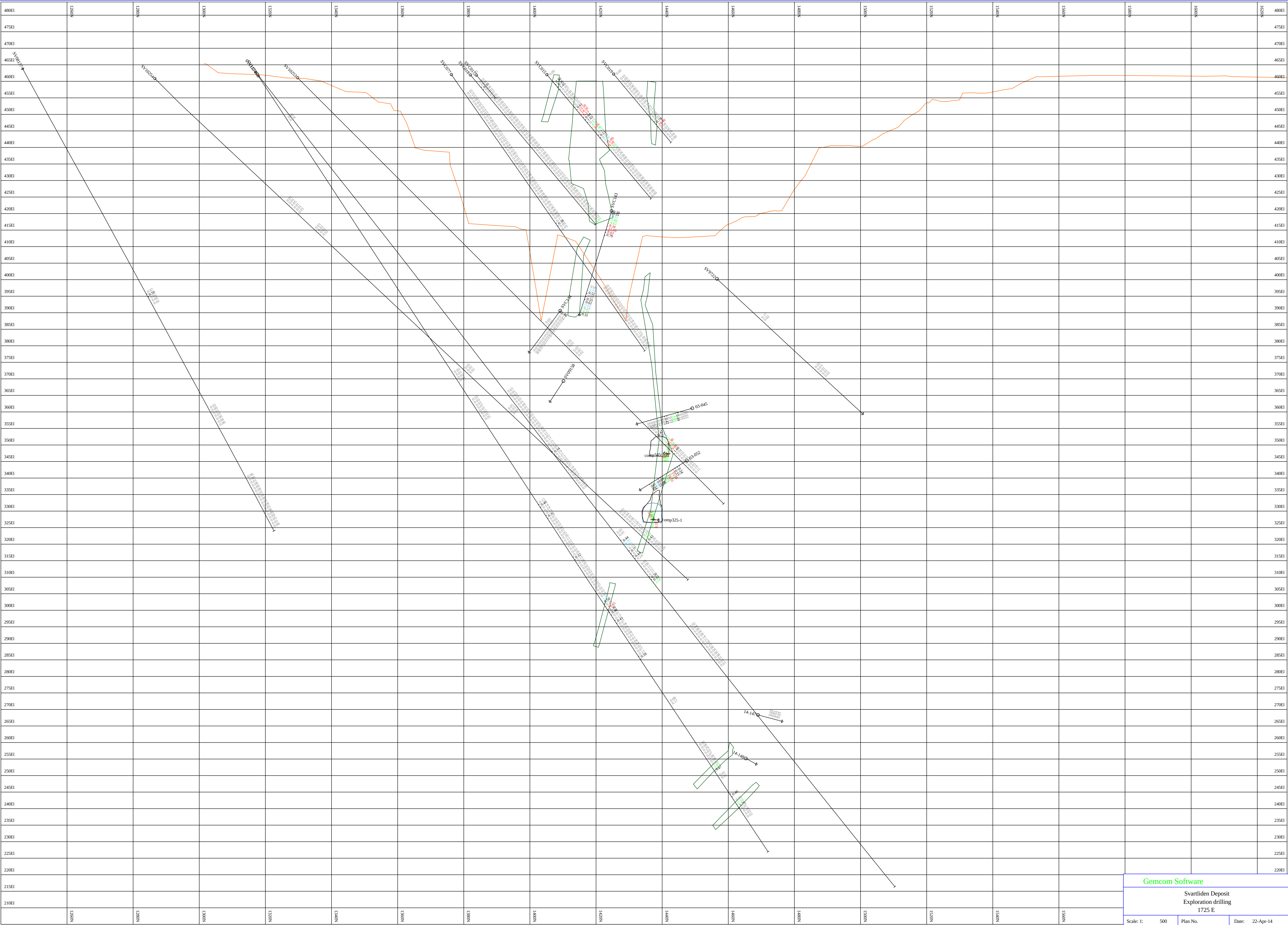
Svartliden Deposit
Exploration drilling
1575 E

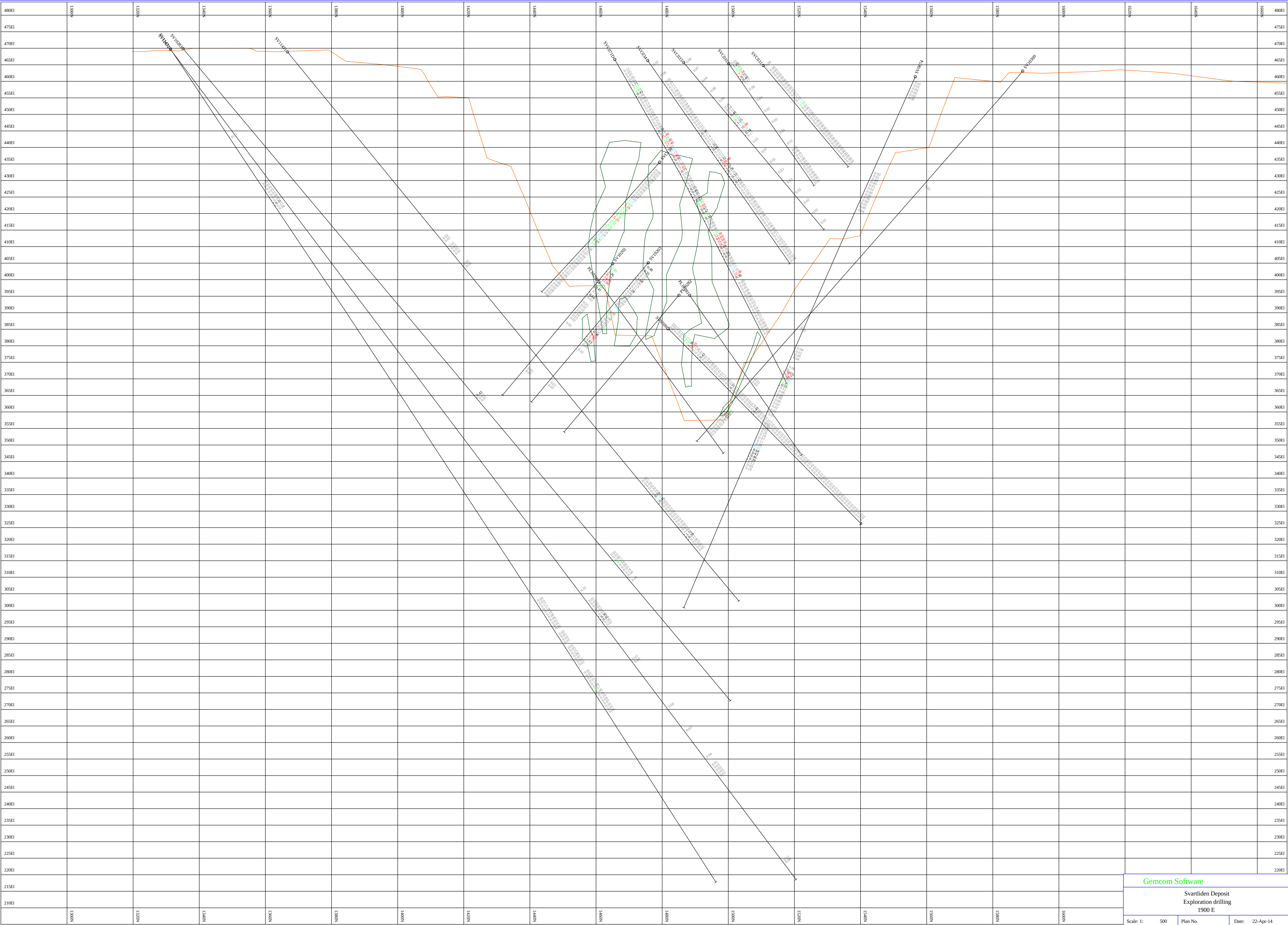
Scale: 1: 500 Plan No. Date: 22-Apr-14

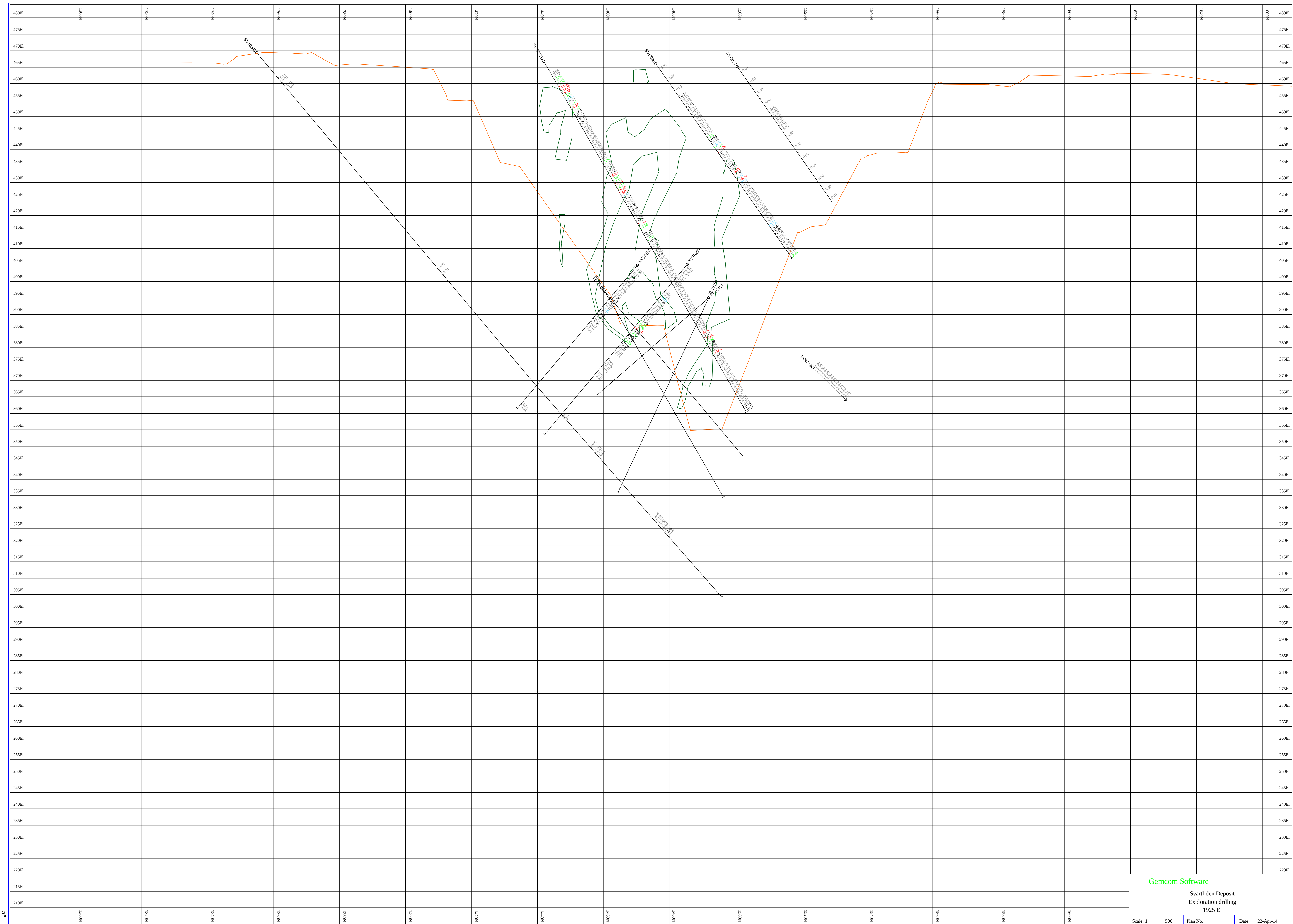


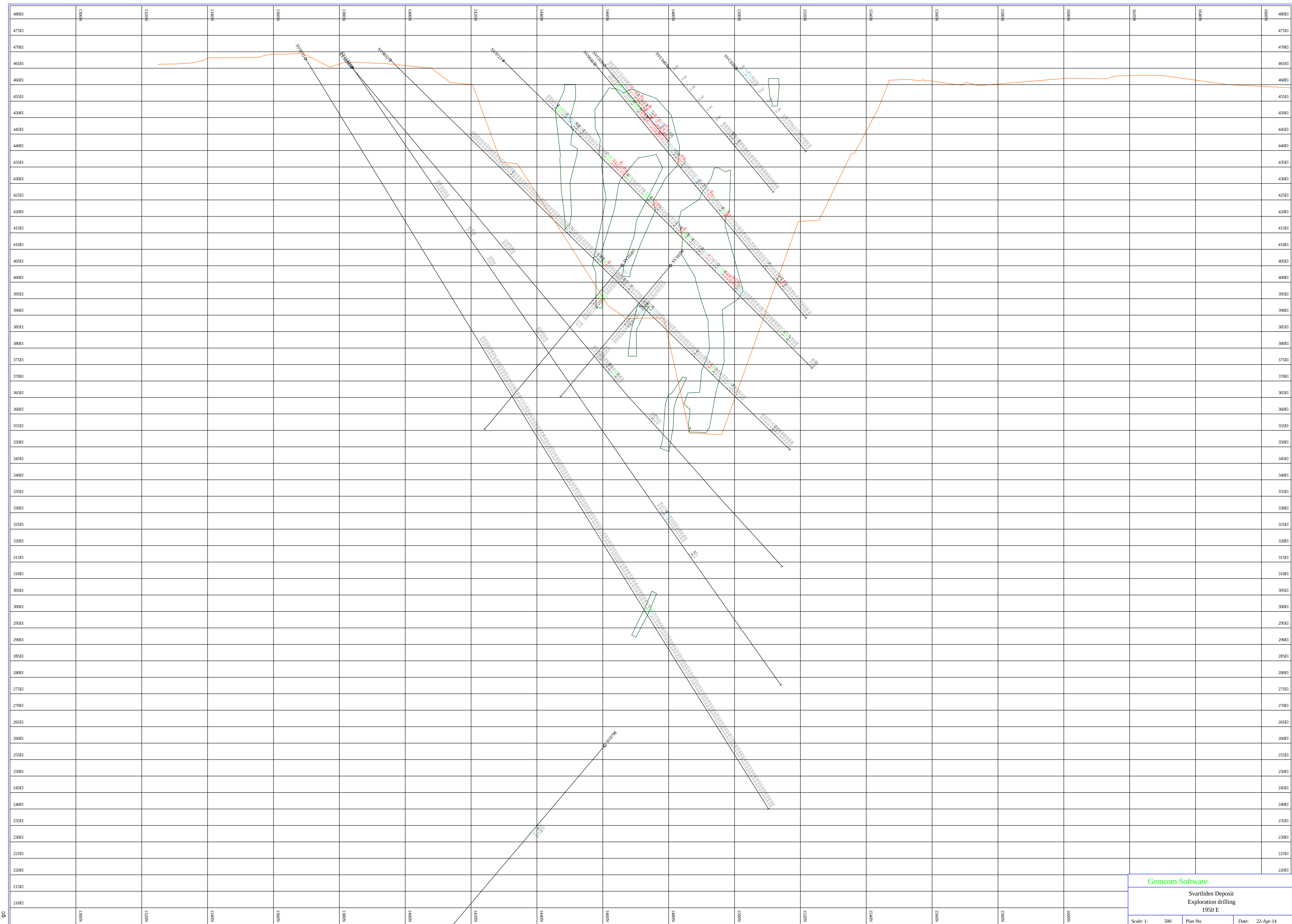




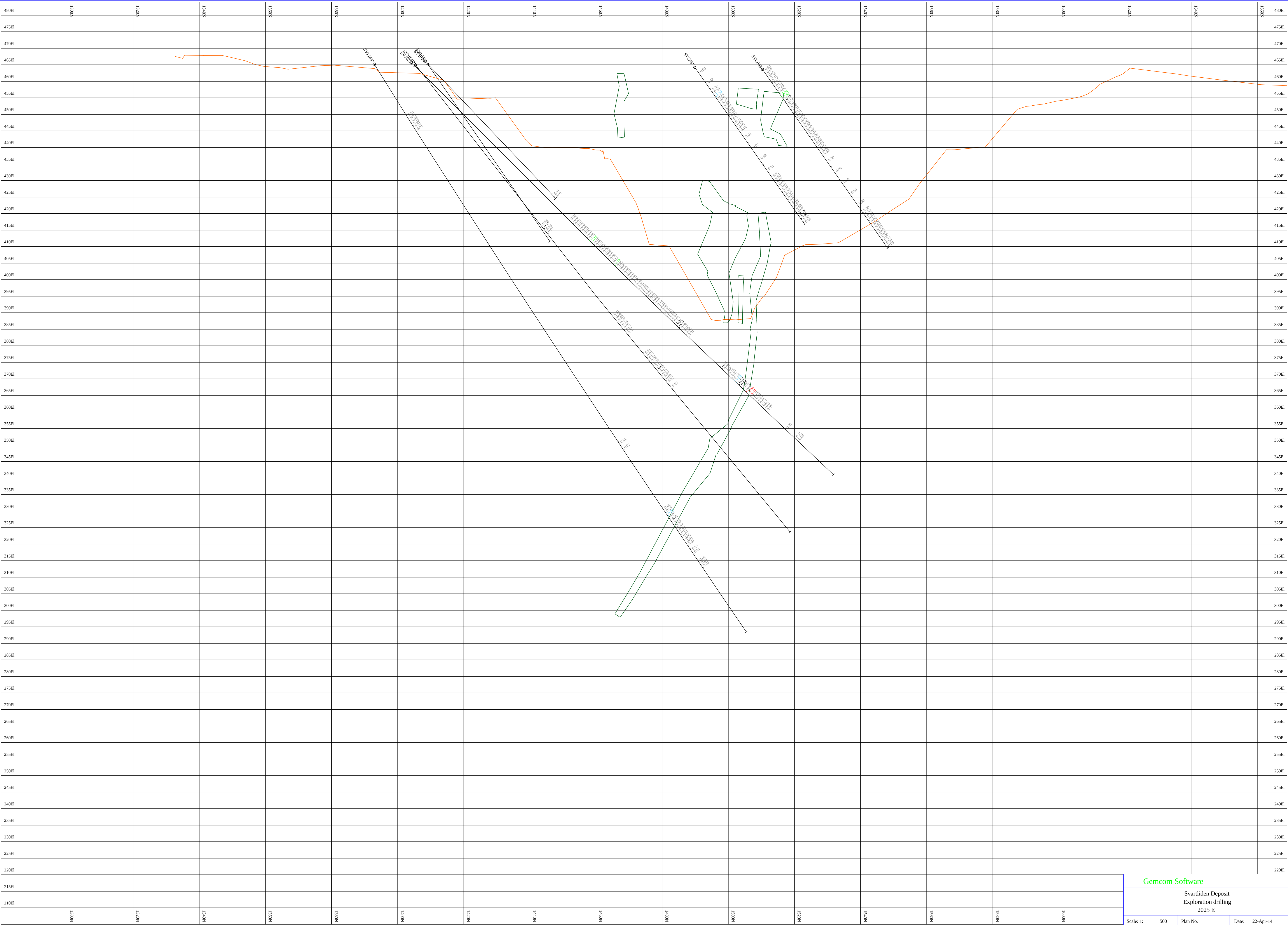




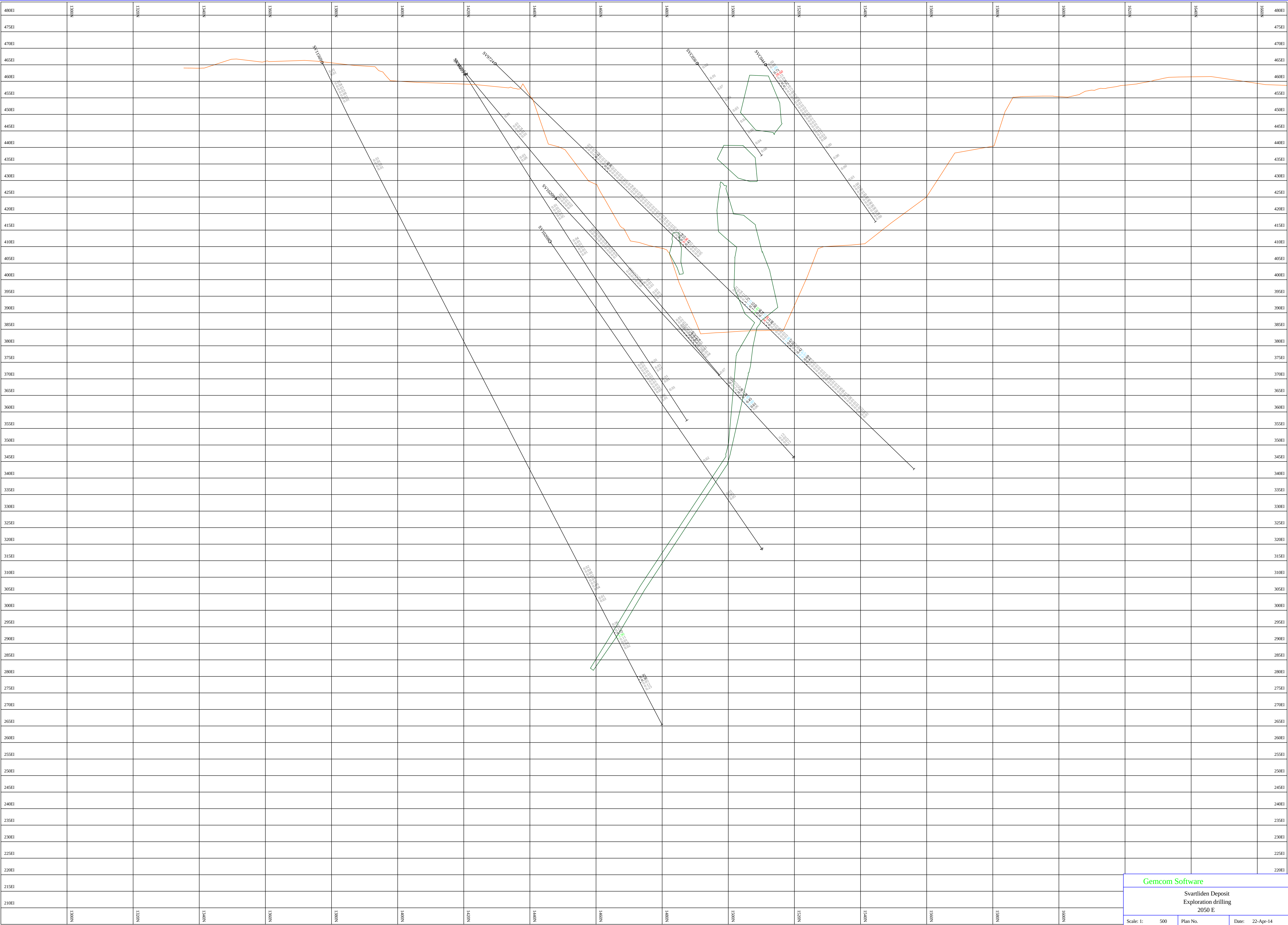


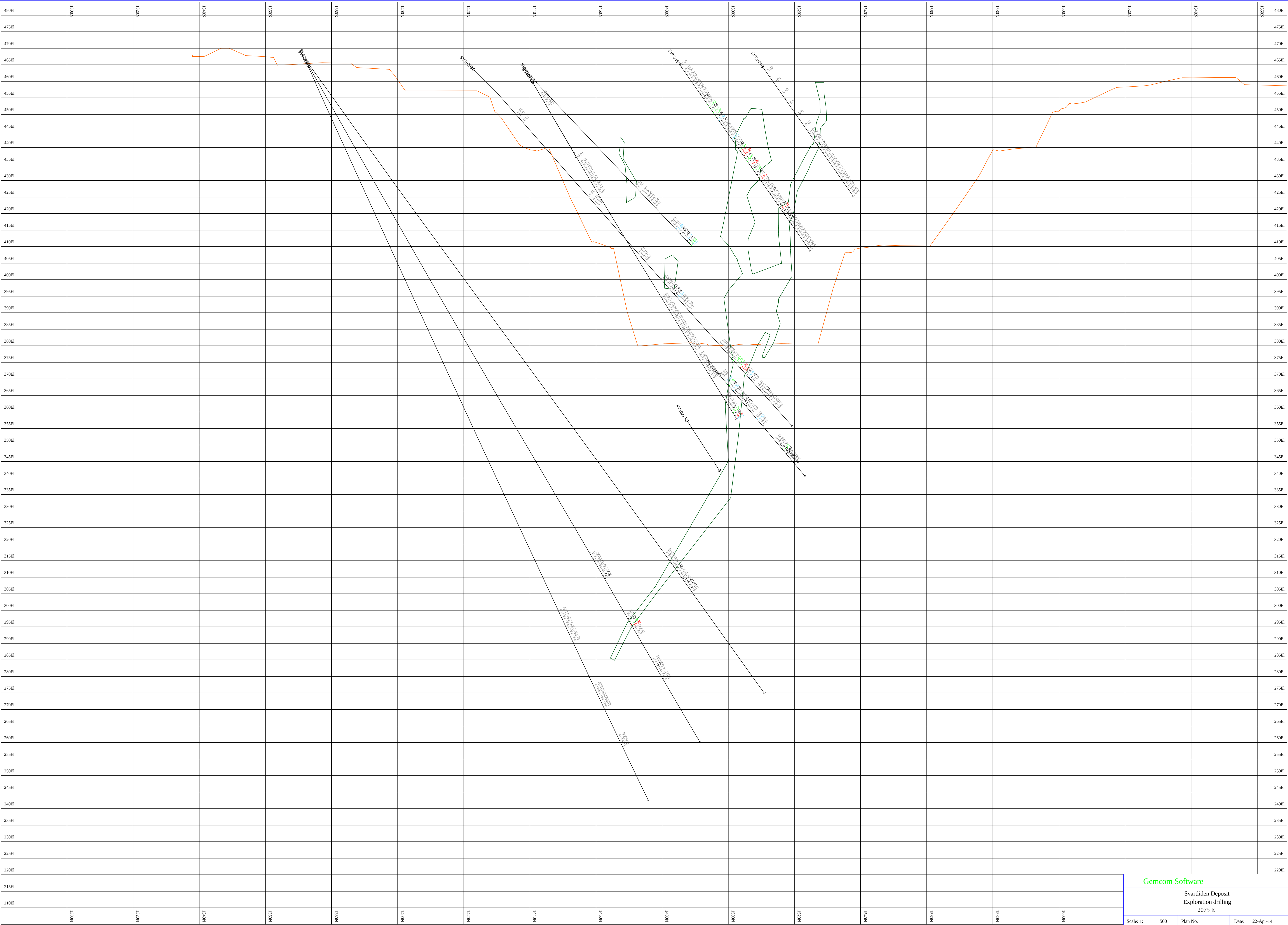




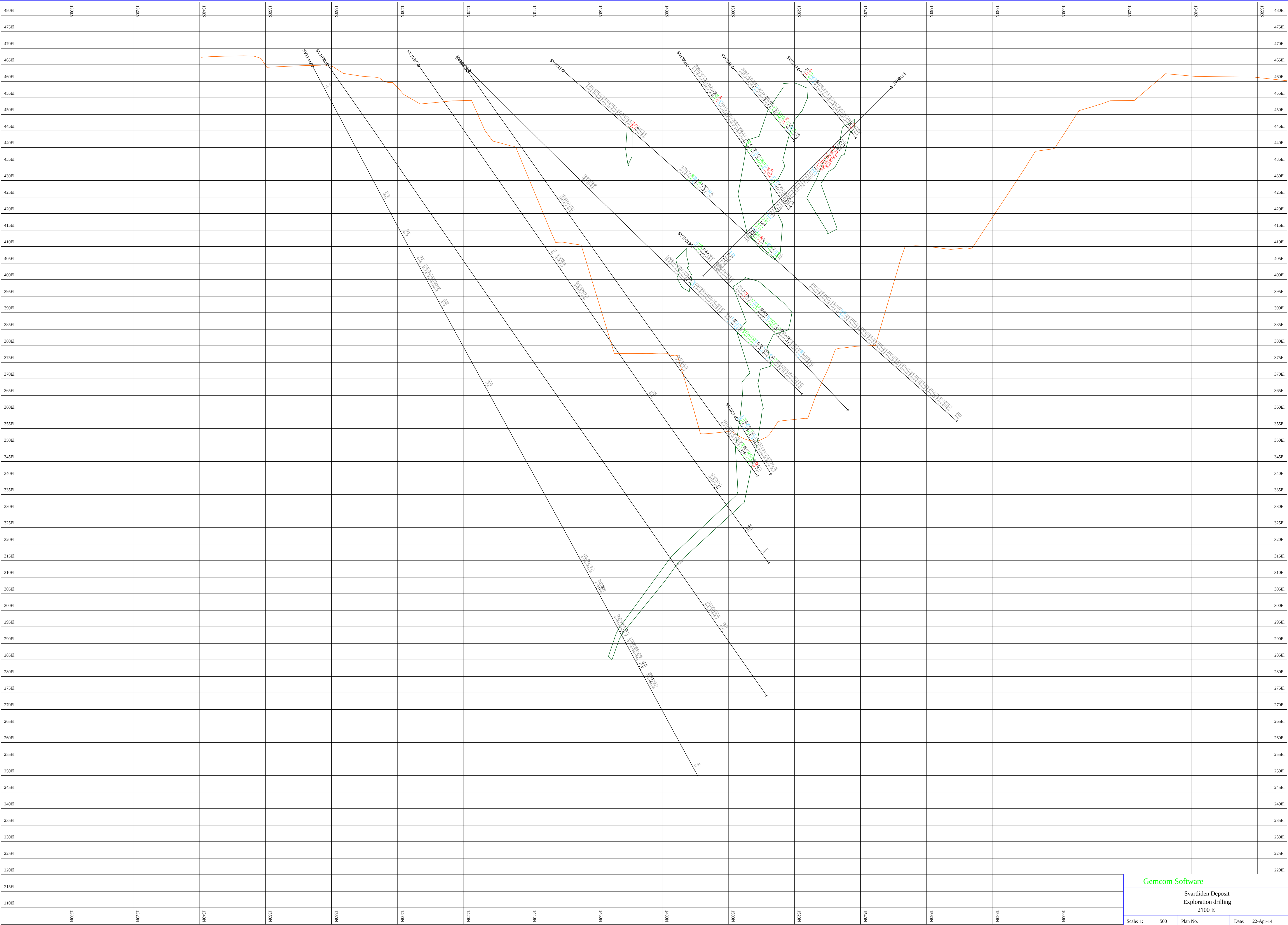


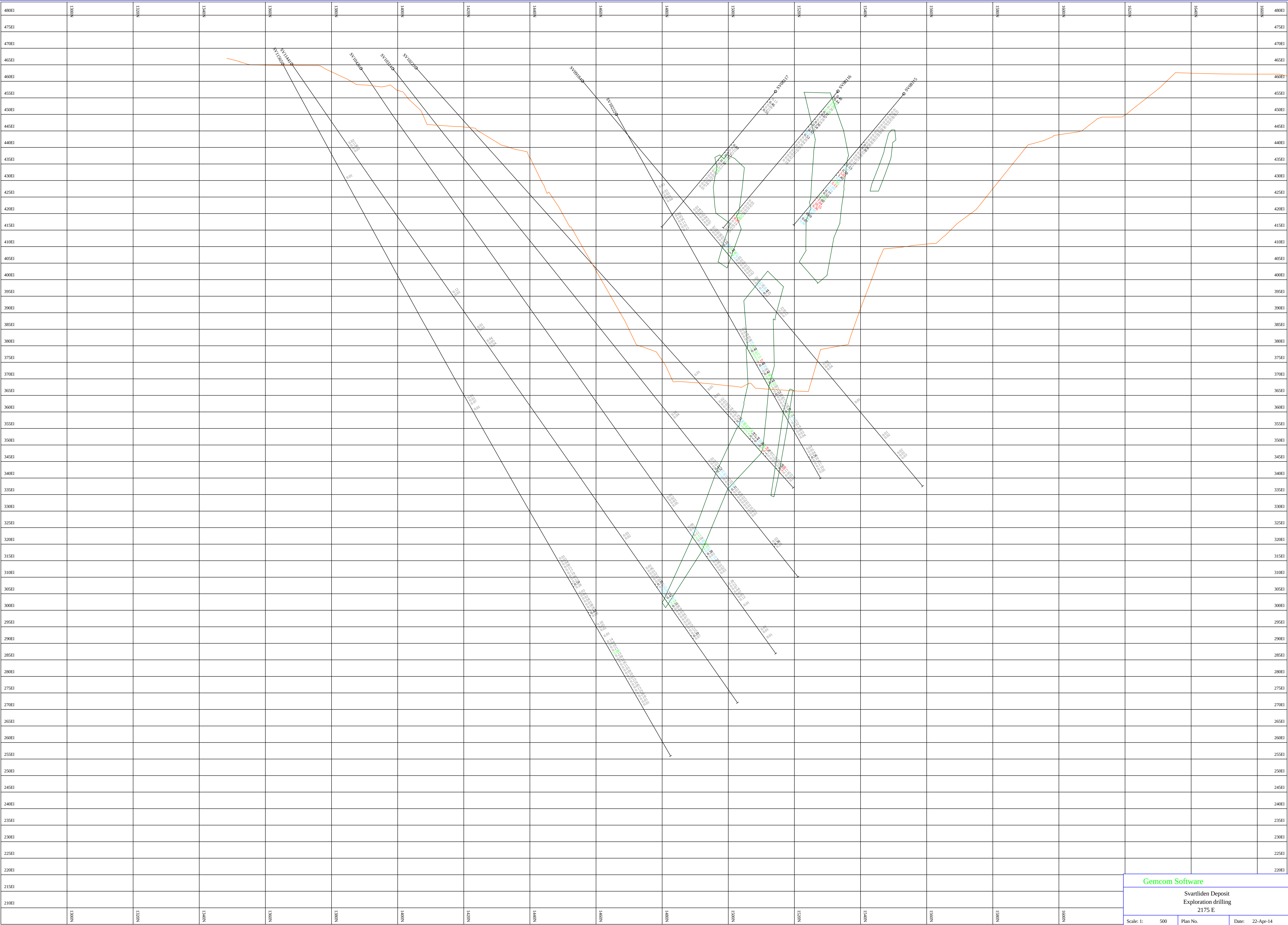
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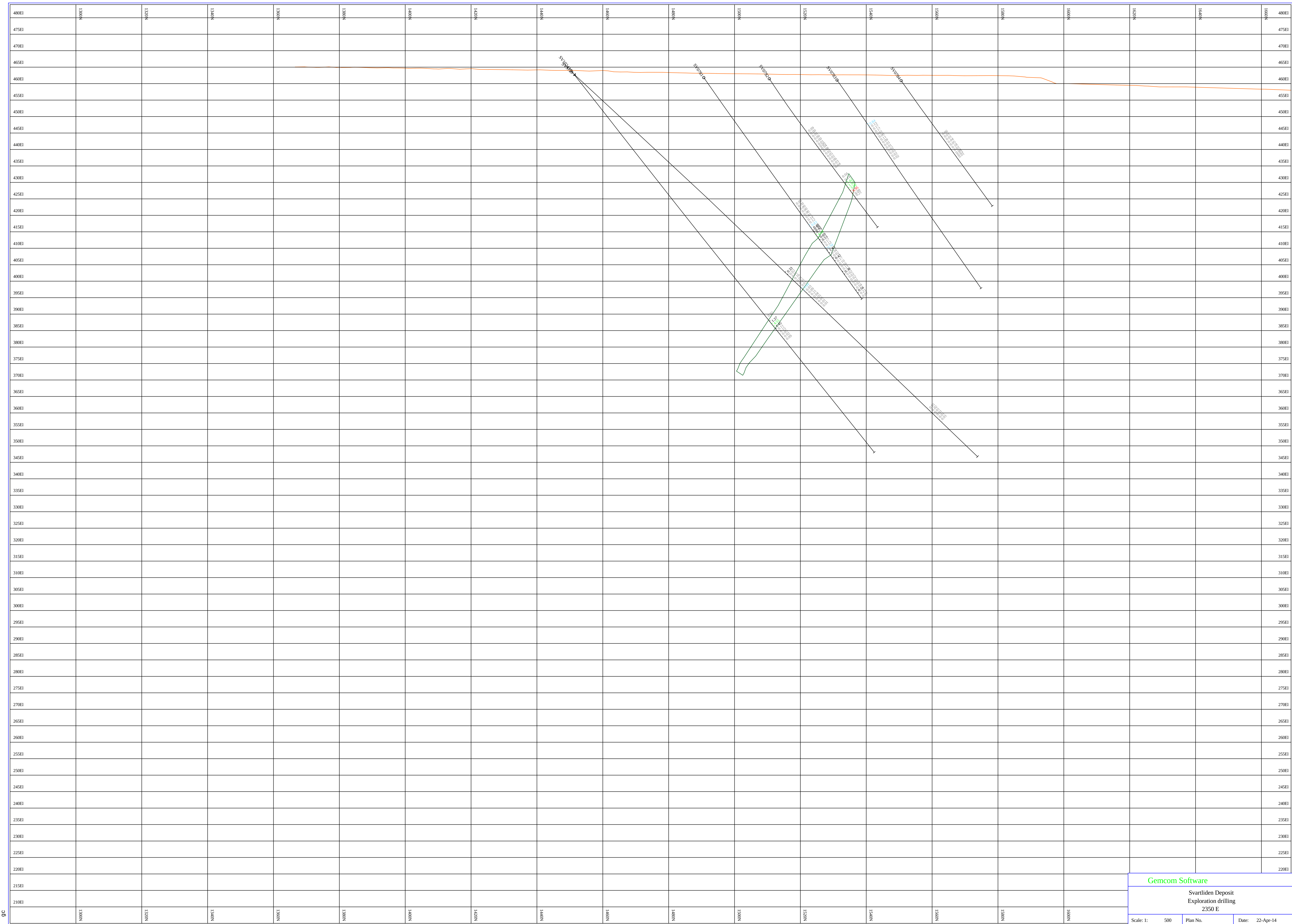


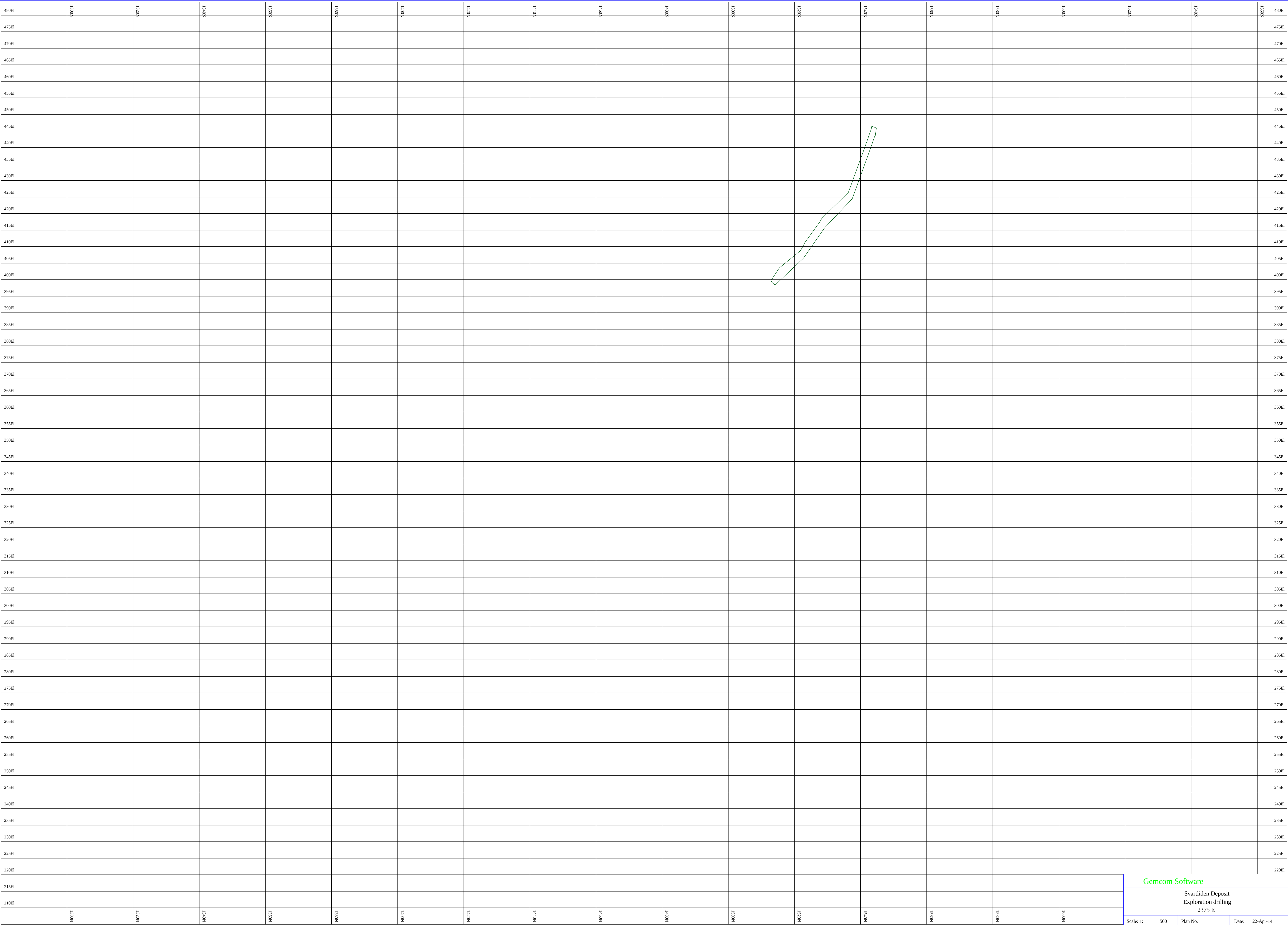


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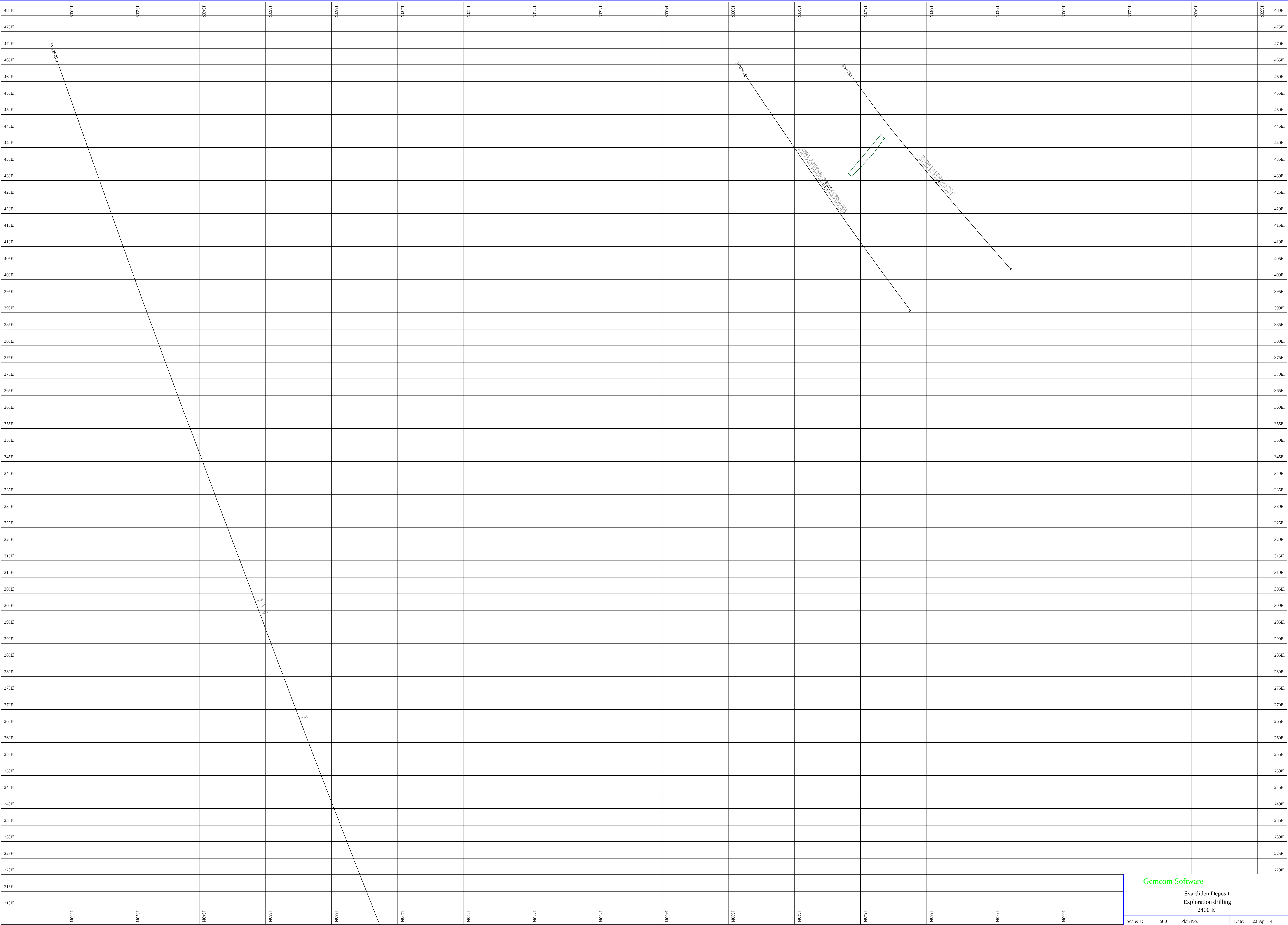


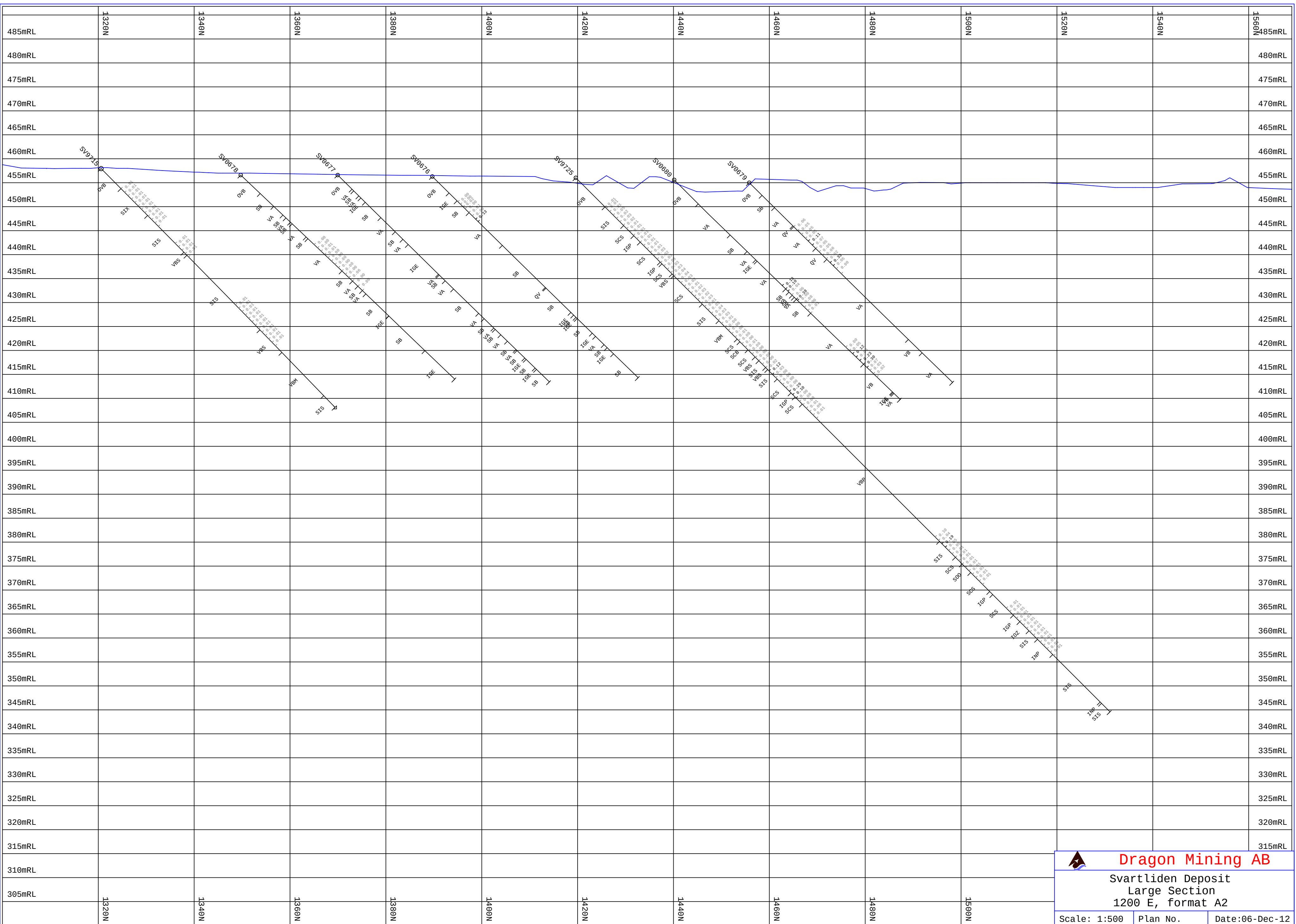


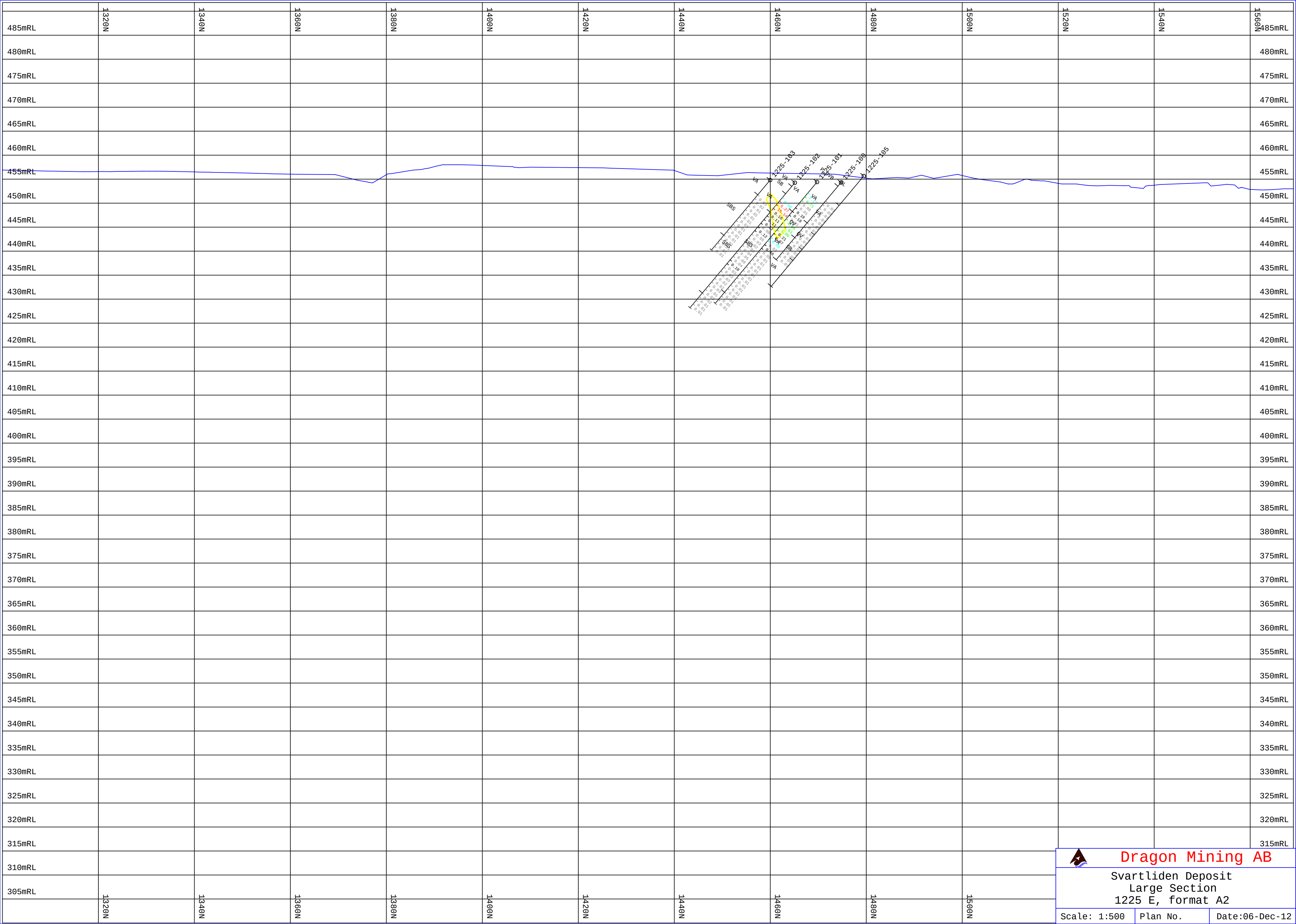




g.c





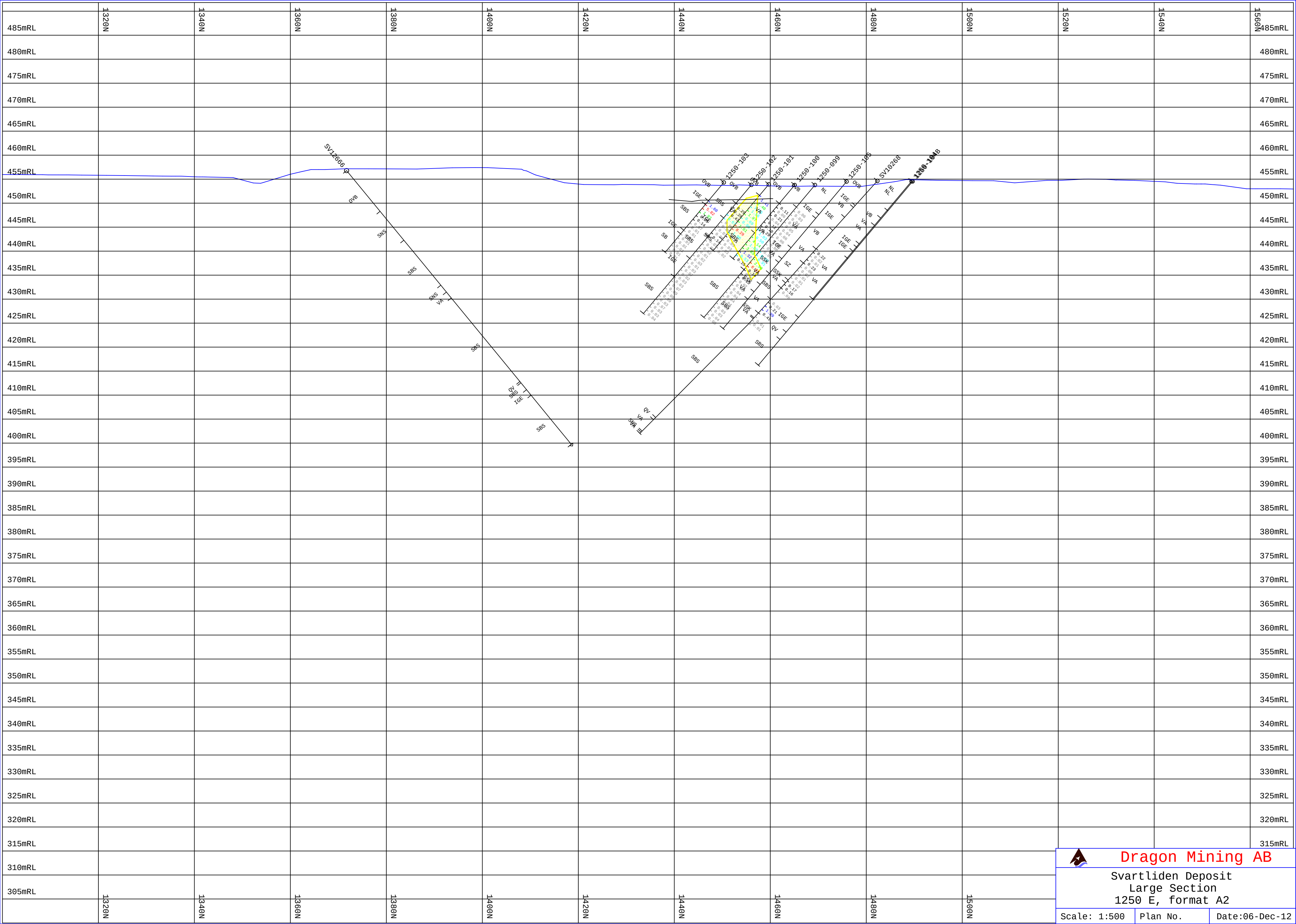


**Dragon Mining AB**

Svartliden Deposit
Large Section
1225 E, format A2

Scale: 1:500 | Plan No. | Date:06-Dec-12

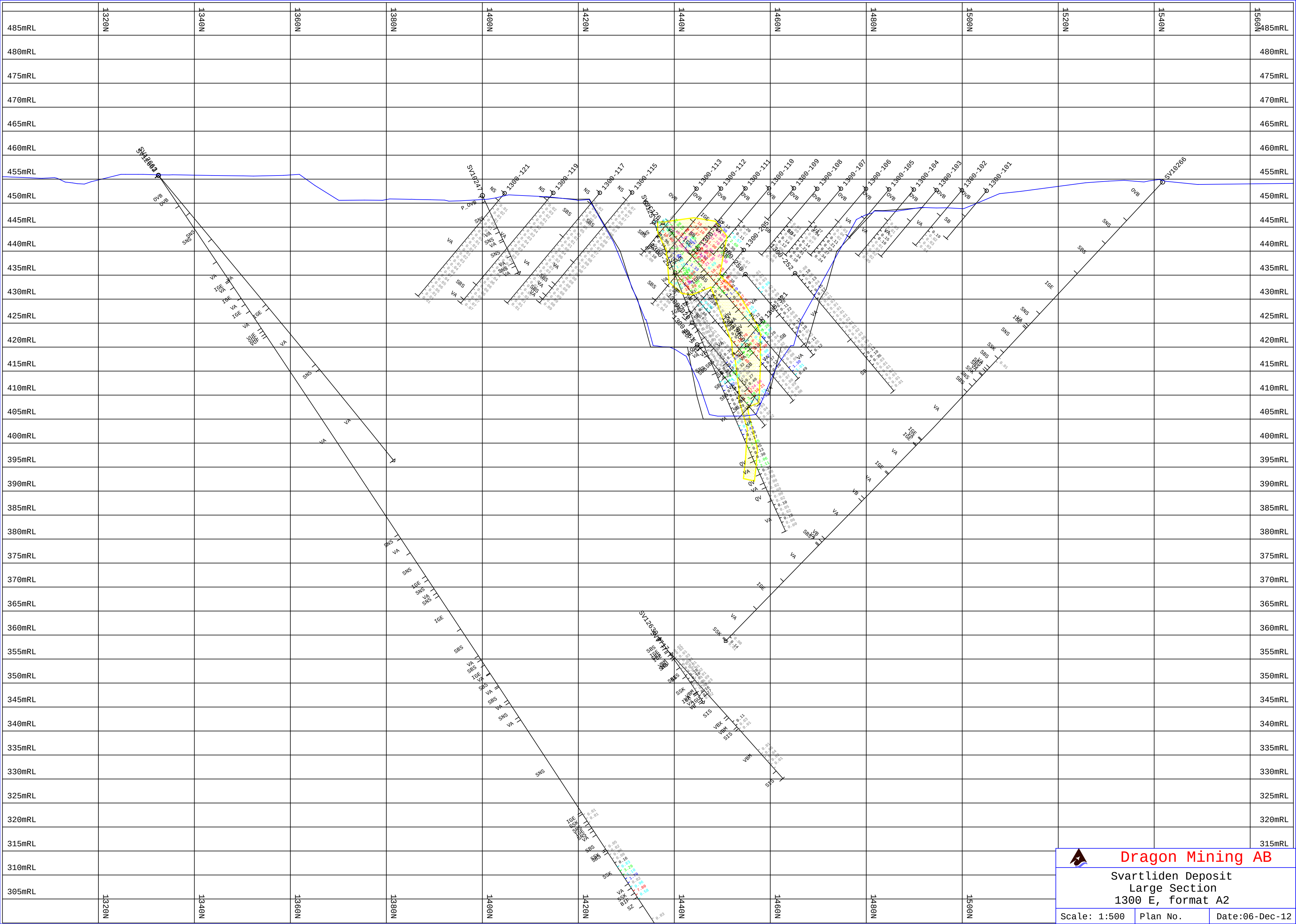
05



**Dragon Mining AB**

Svartliden Deposit
Large Section
1250 E, format A2

Scale: 1:500 | Plan No. | Date:06-Dec-12

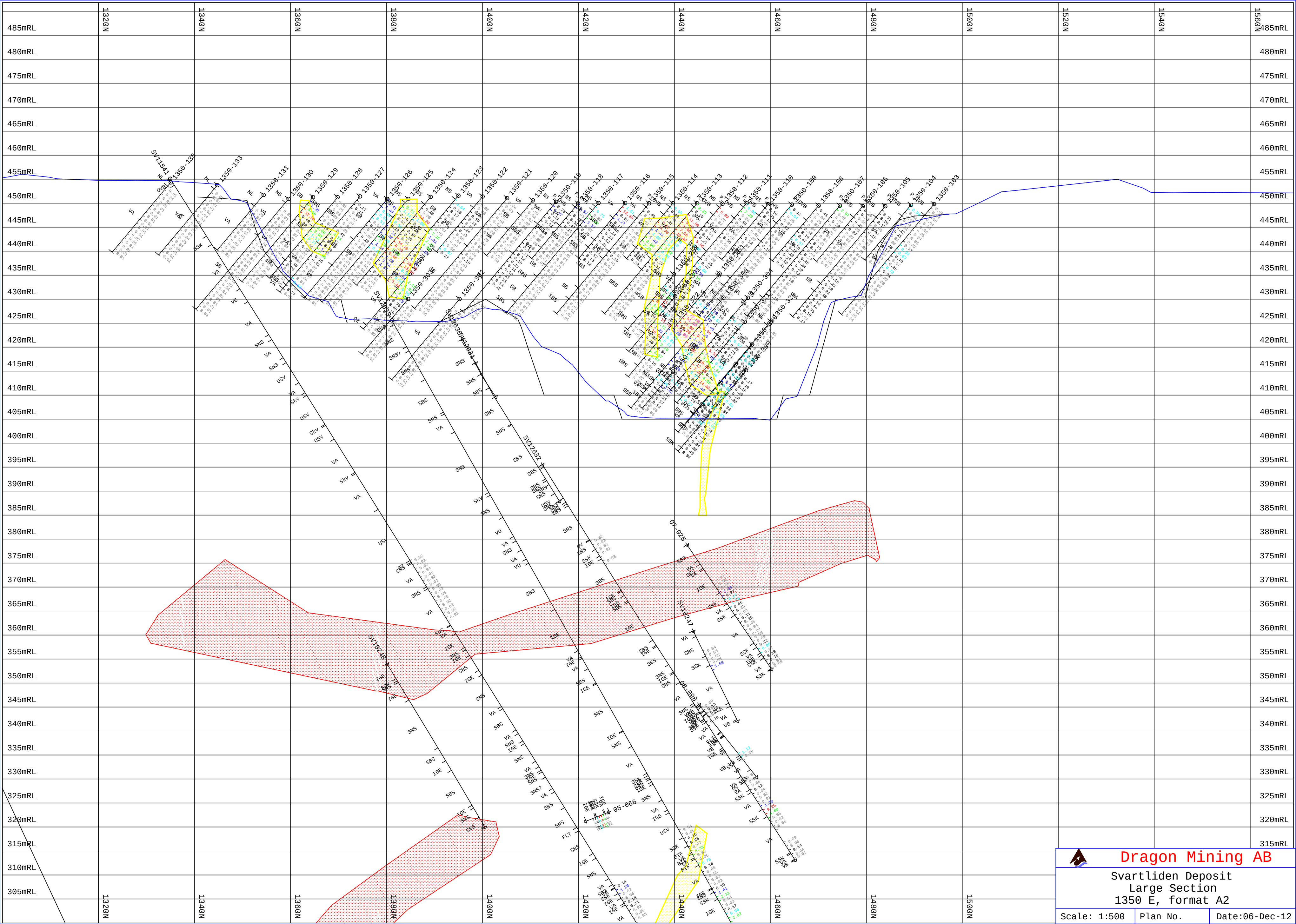


**Dragon Mining AB**

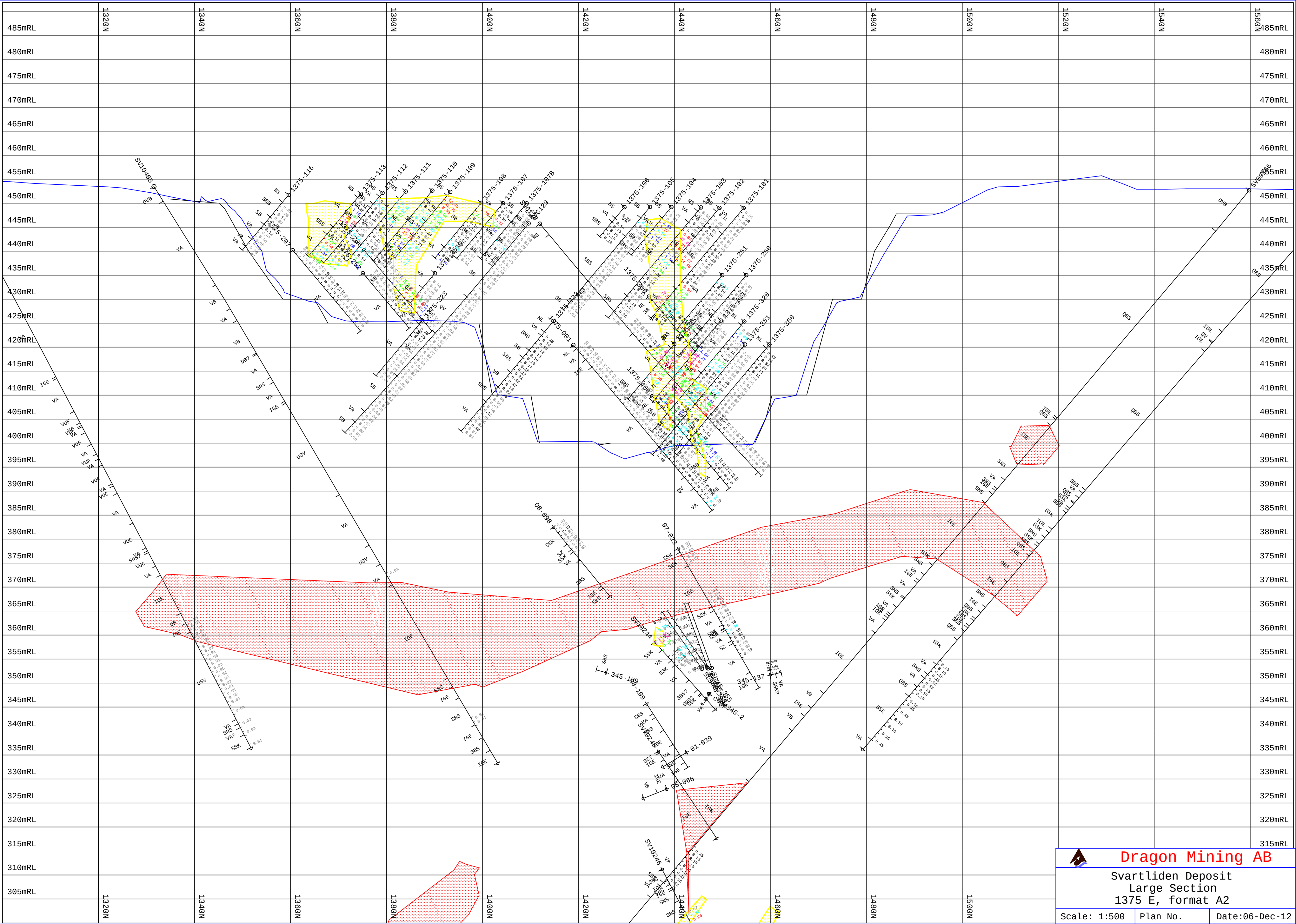
Svartliden Deposit
Large Section
1300 E, format A2

Scale: 1:500 Plan No. Date:06-Dec-12

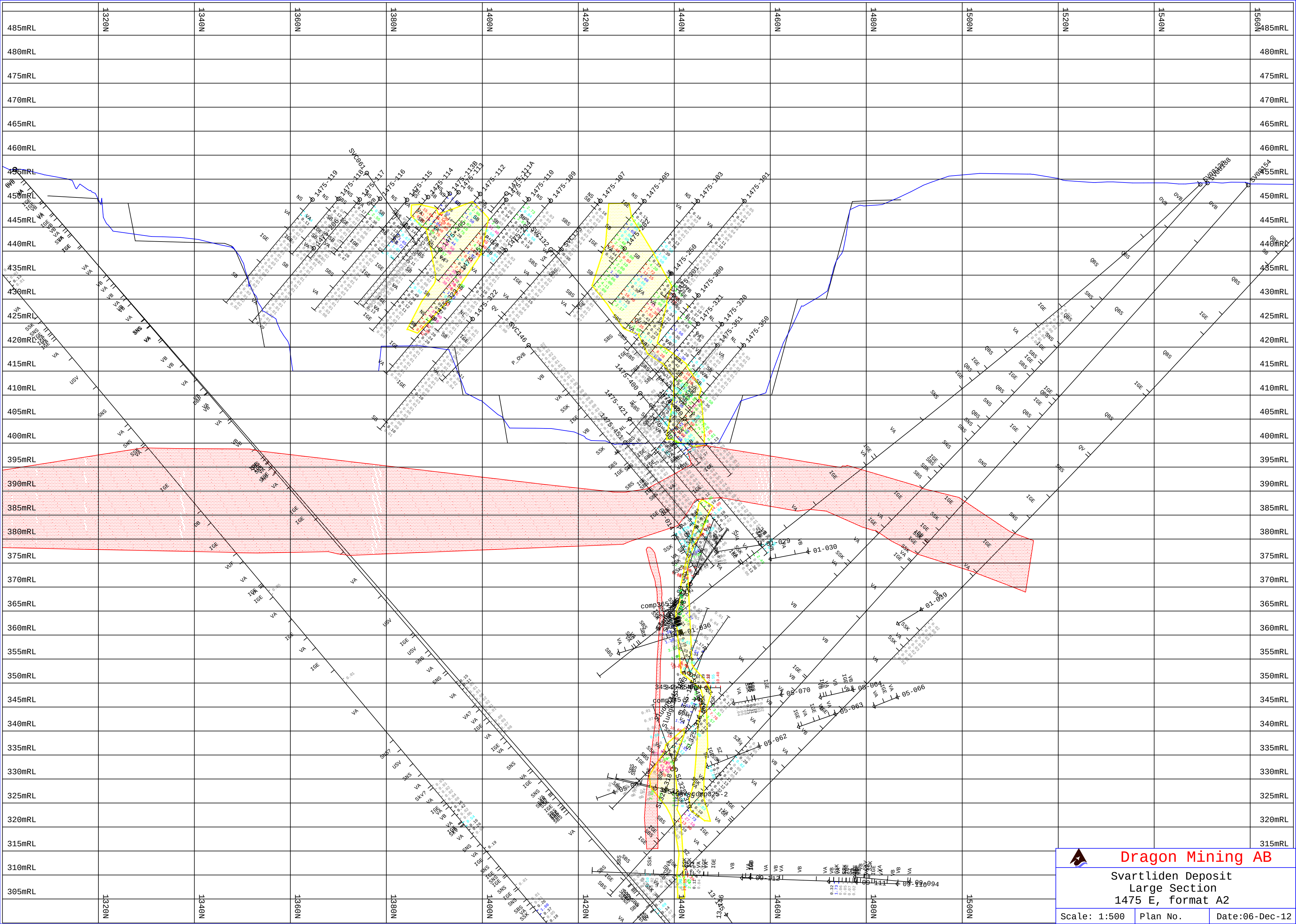
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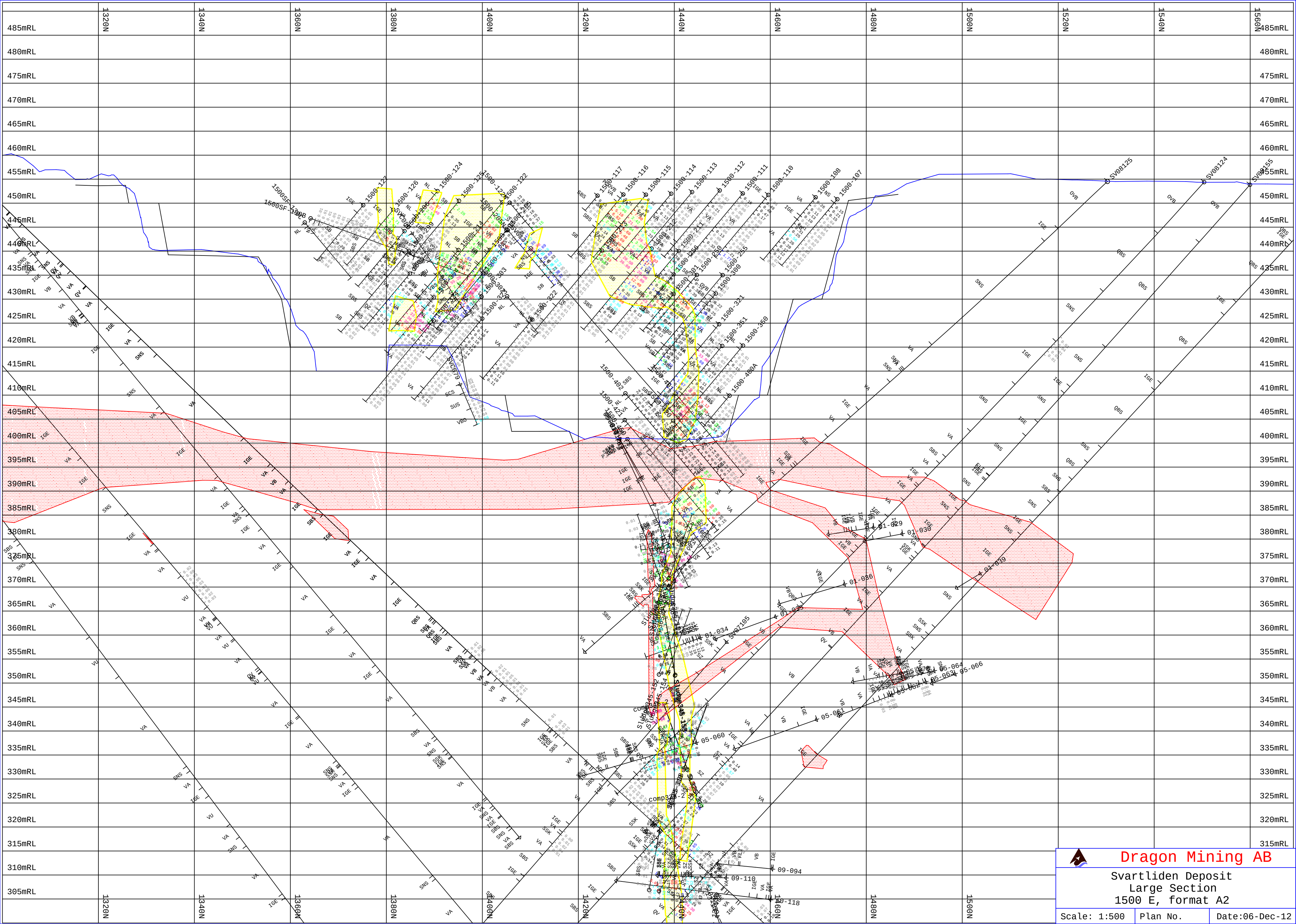
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50



05



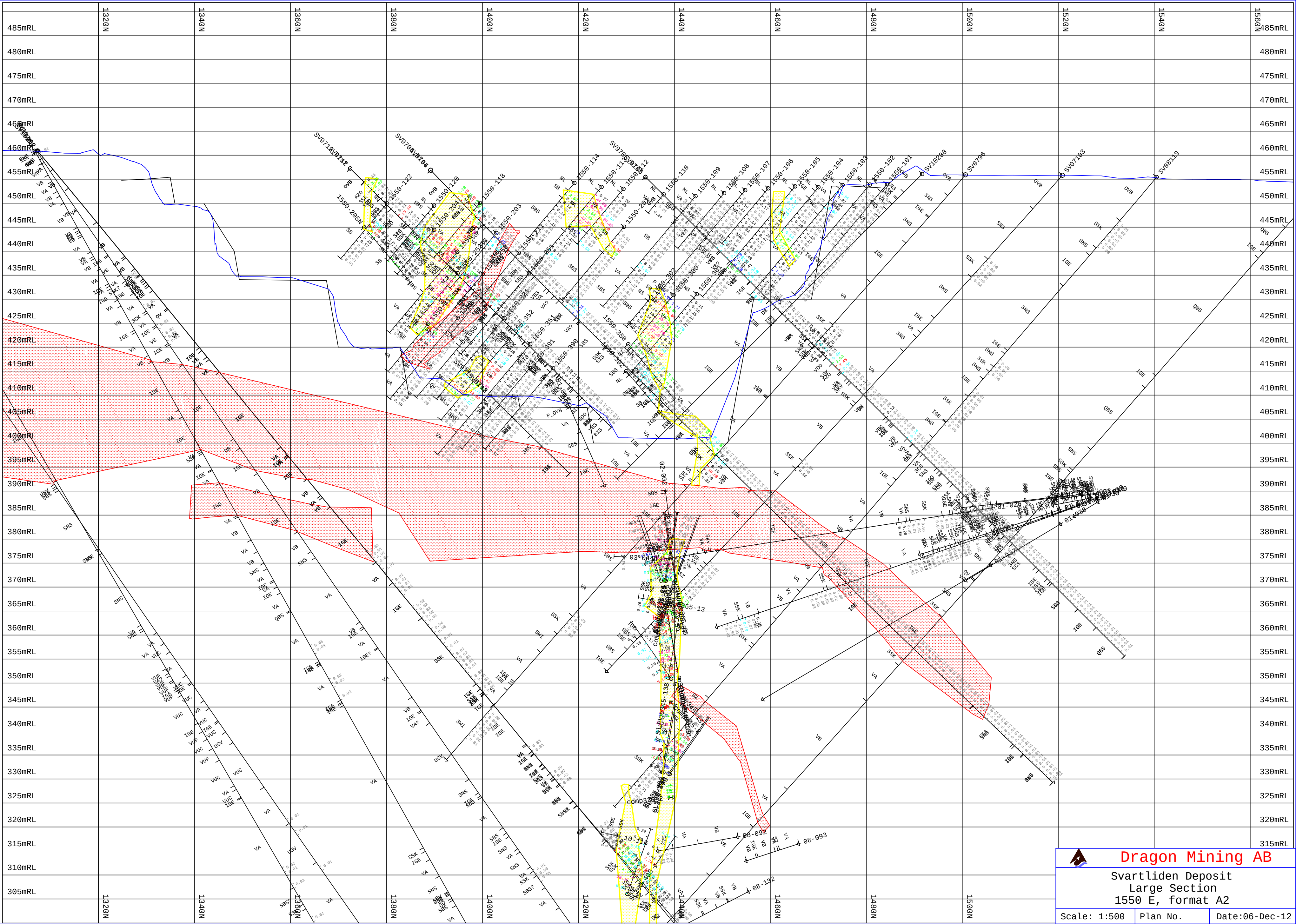
**Dragon Mining AB**

Svartliden Deposit
Large Section
1500 E, format A2

Scale: 1:500

Plan No.

Date:06-Dec-12





Dragon Mining AB

Svartliden Deposit

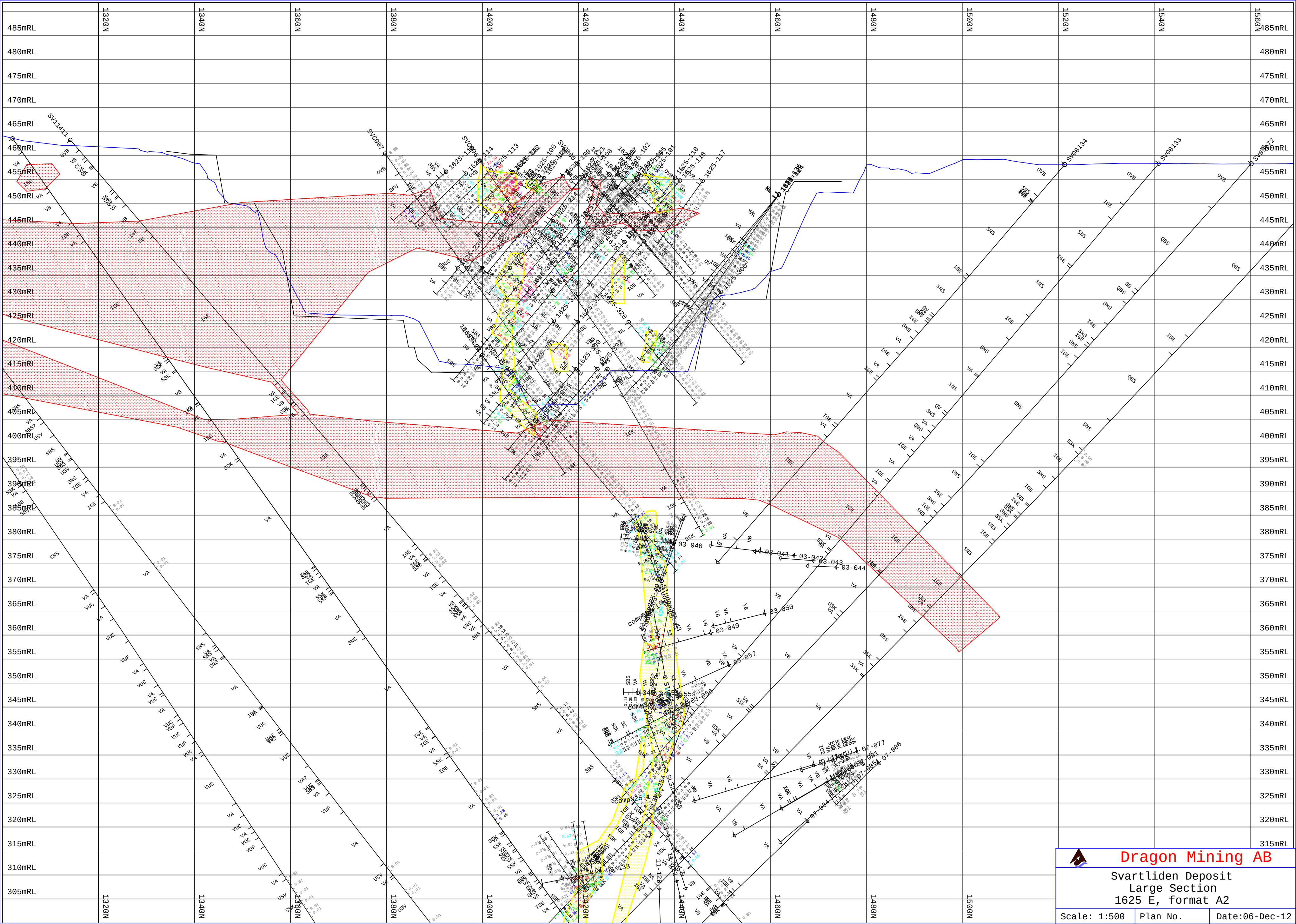
Large Section

1550 E, format A2

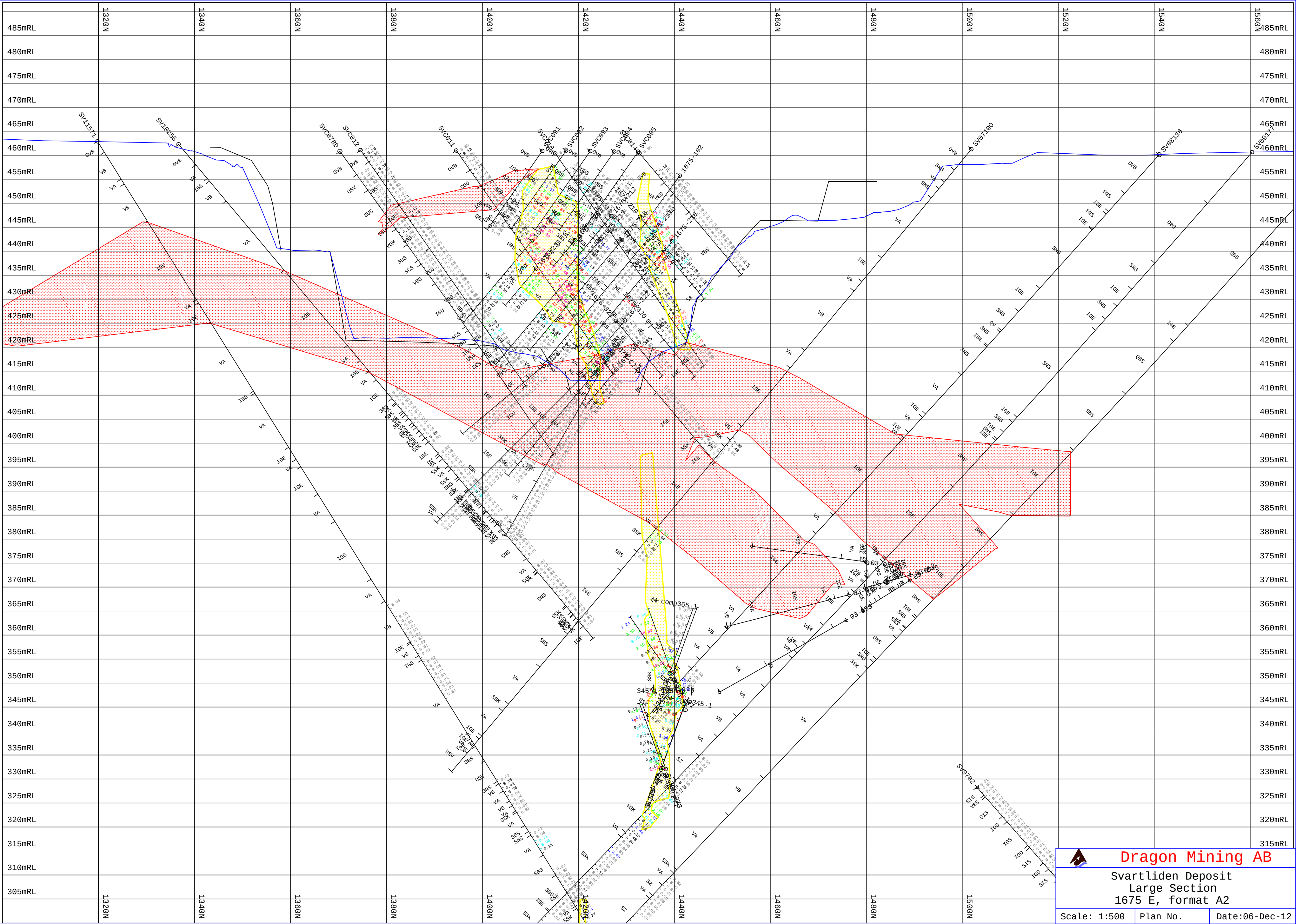
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Plan No.

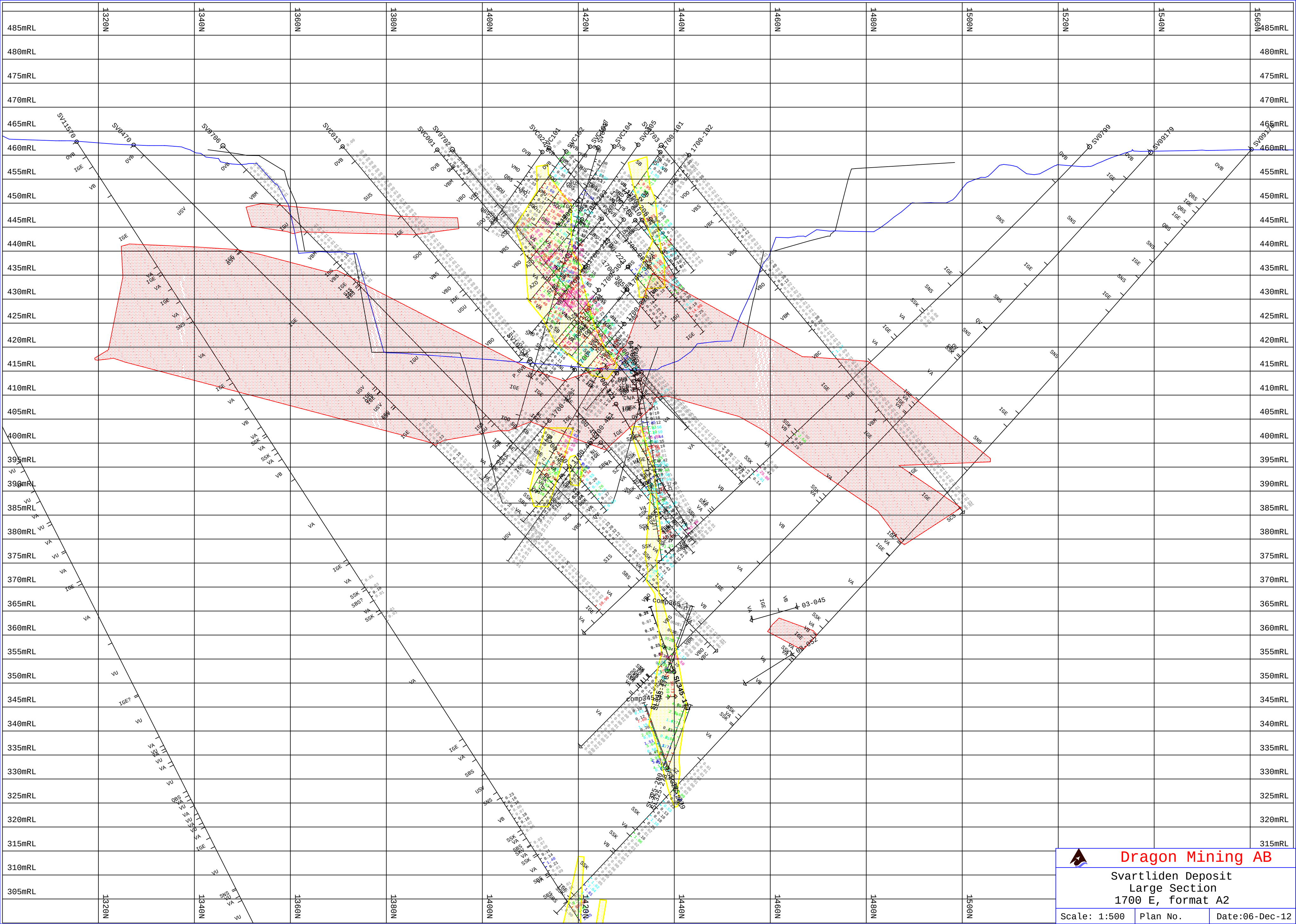
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06



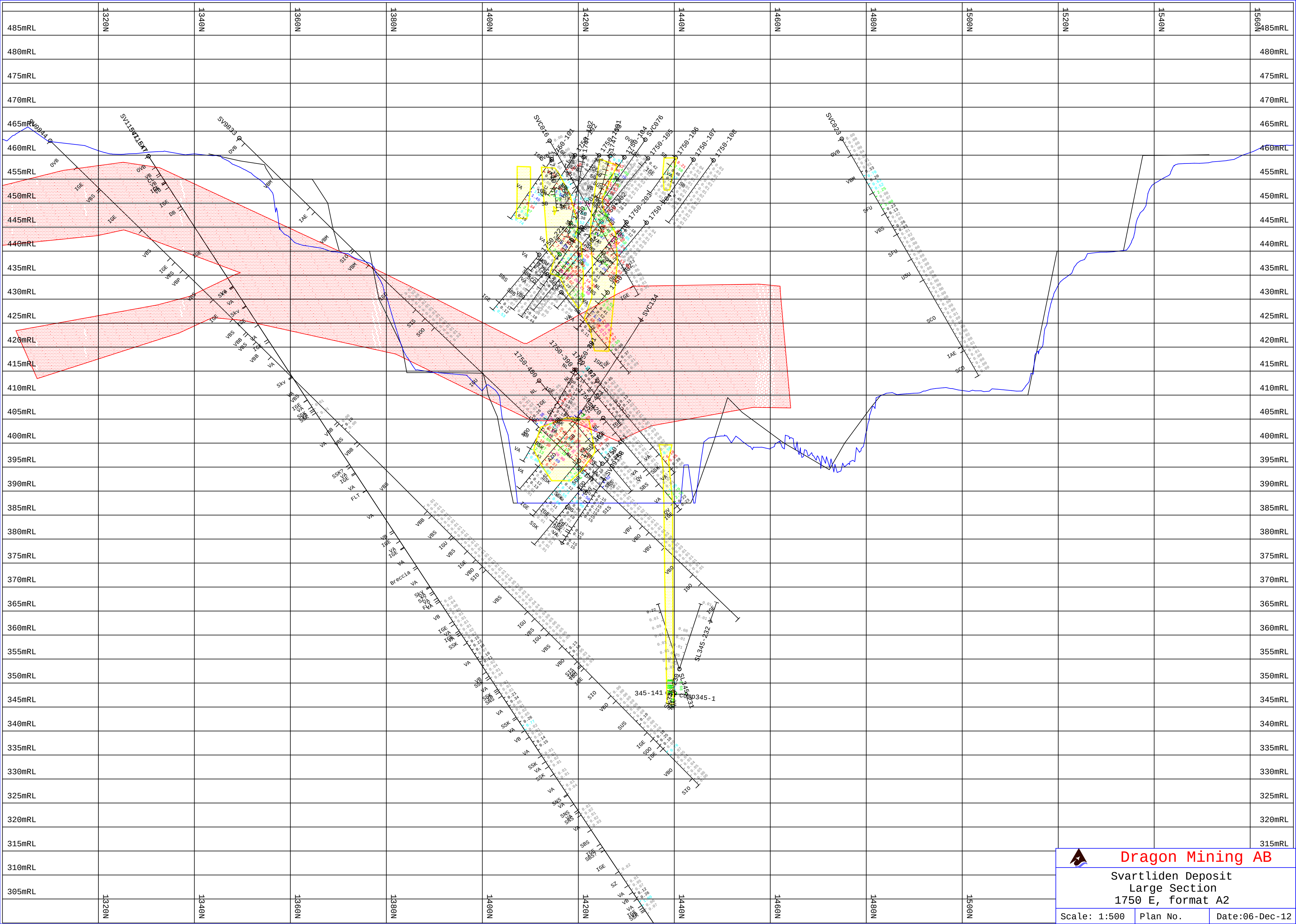
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**Dragon Mining AB**

Svartliden Deposit
Large Section
1700 E, format A2

Scale: 1:500 | Plan No. | Date:06-Dec-12





Dragon Mining AB

Svartliden Deposit

Large Section

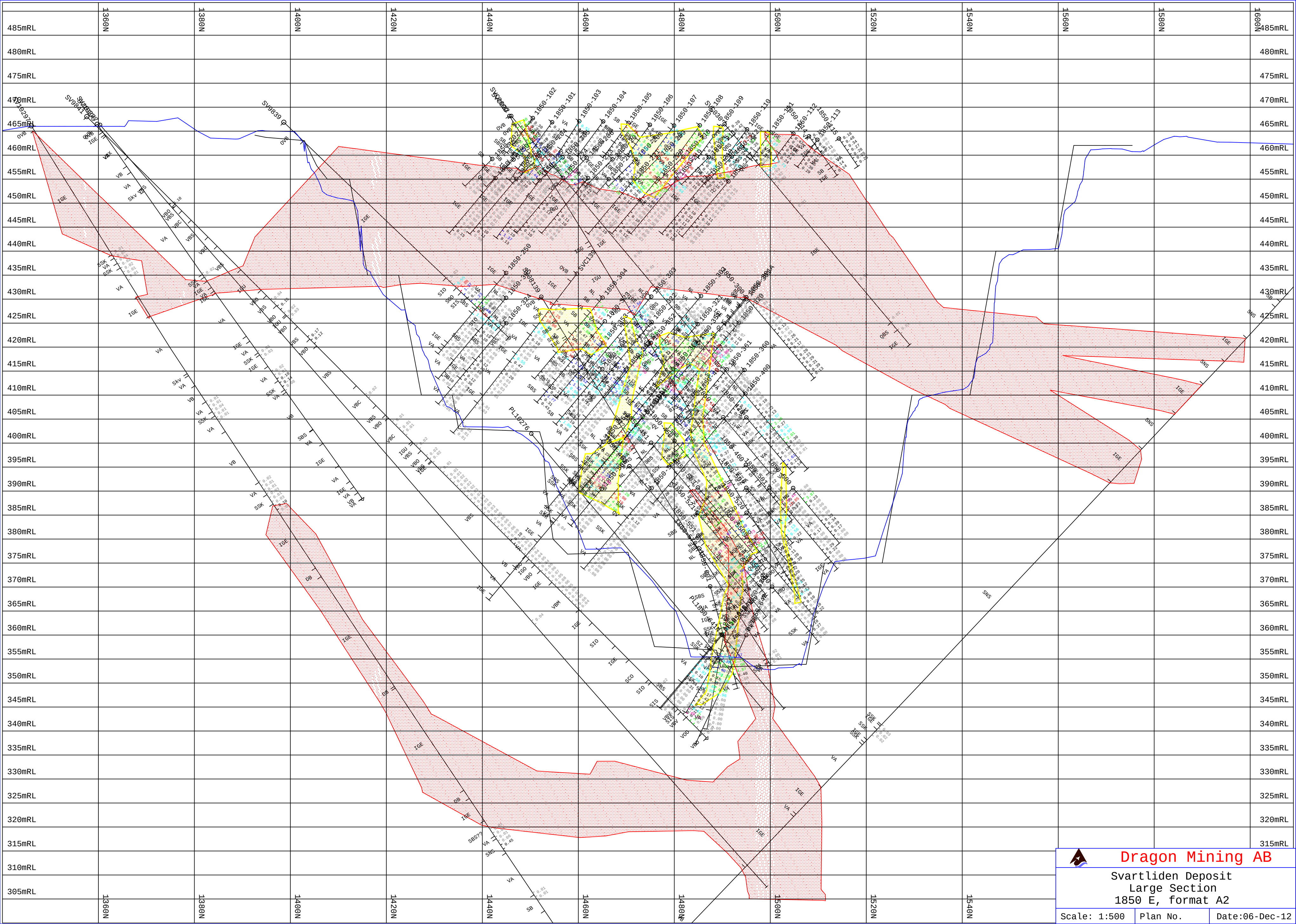
1750 E, format A2

Scale: 1:500

Plan No.

Date:06-Dec-12

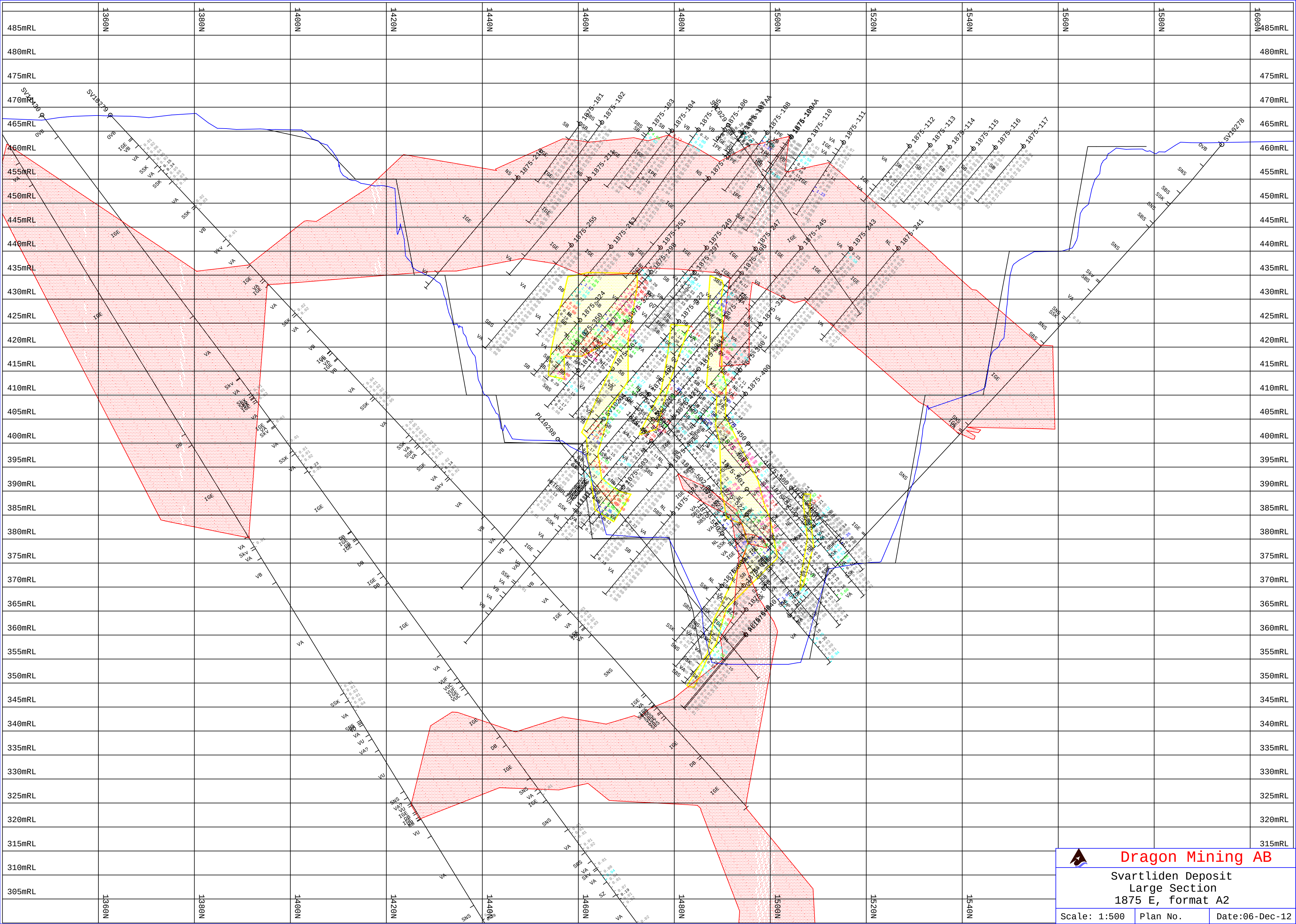
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**Dragon Mining AB**

Svartliden Deposit
Large Section
1850 E, format A2

Scale: 1:500 Plan No. Date:06-Dec-12





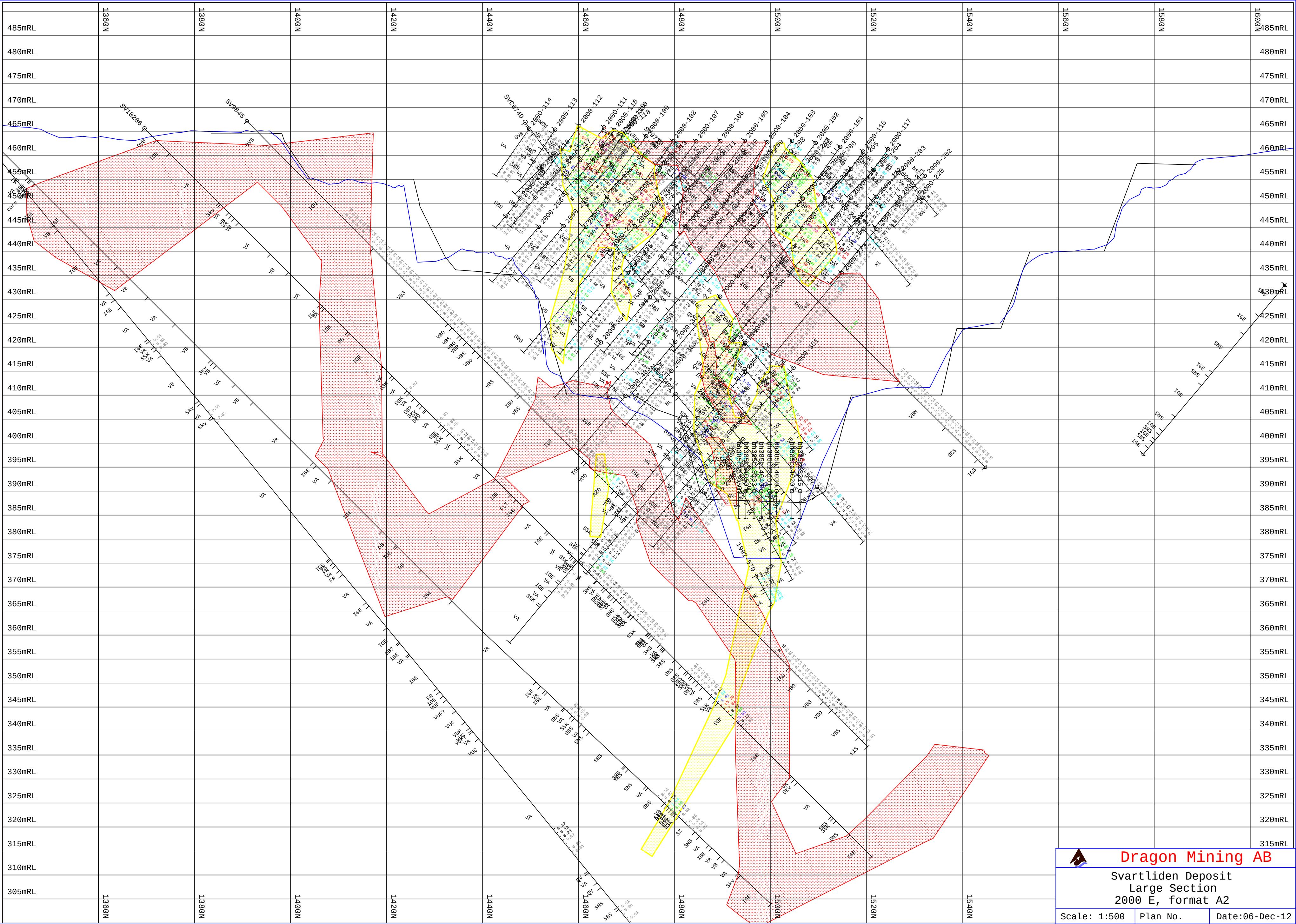
Dragon Mining AB

Svartliden Deposit
Large Section
1875 E, format A2

Scale: 1:500

Plan No.

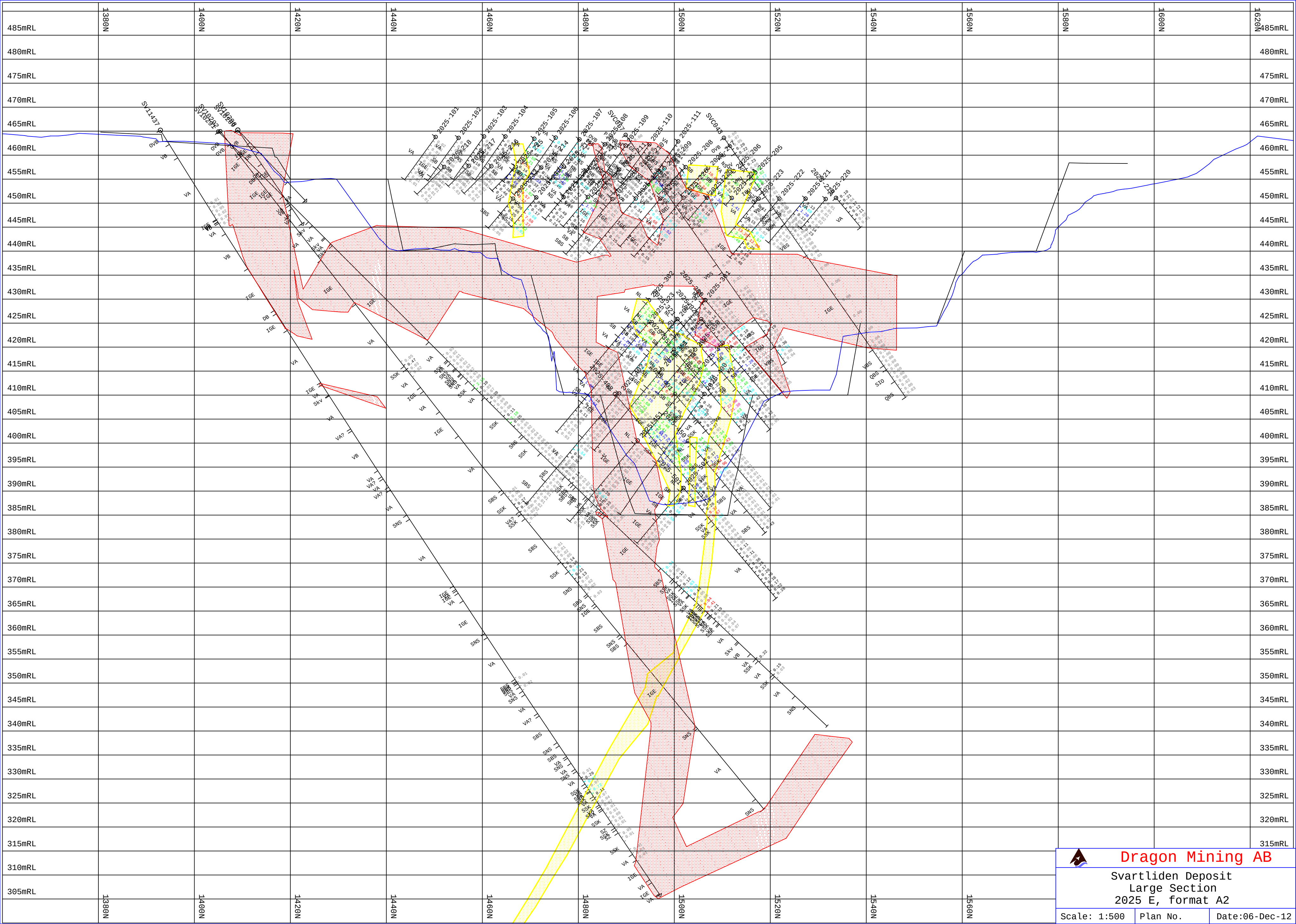
Date:06-Dec-12



**Dragon Mining AB**

Svartliden Deposit
Large Section
2000 E, format A2

Scale: 1:500 Plan No. Date:06-Dec-12



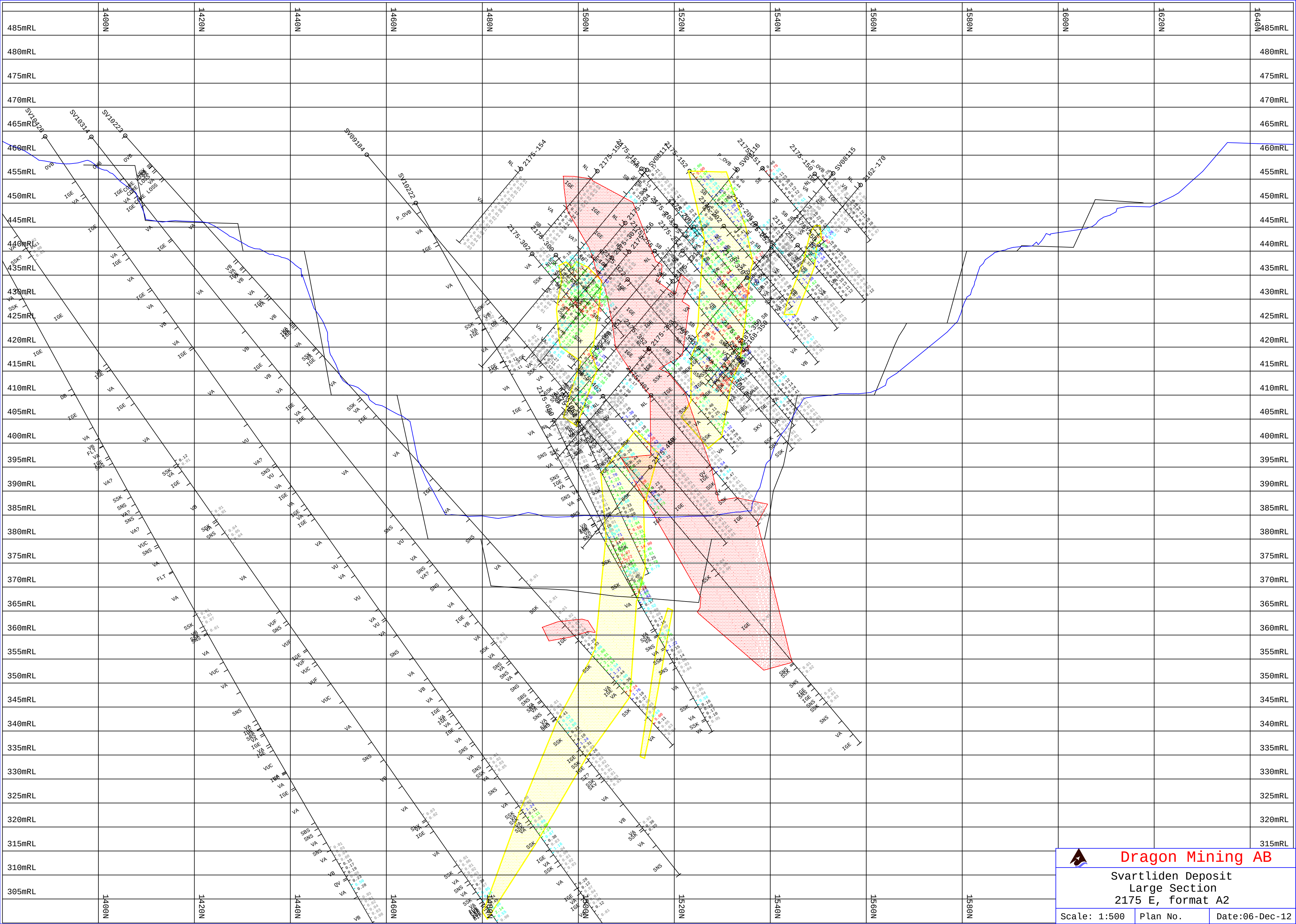
**Dragon Mining AB**

Svartliden Deposit
Large Section
2025 E, format A2

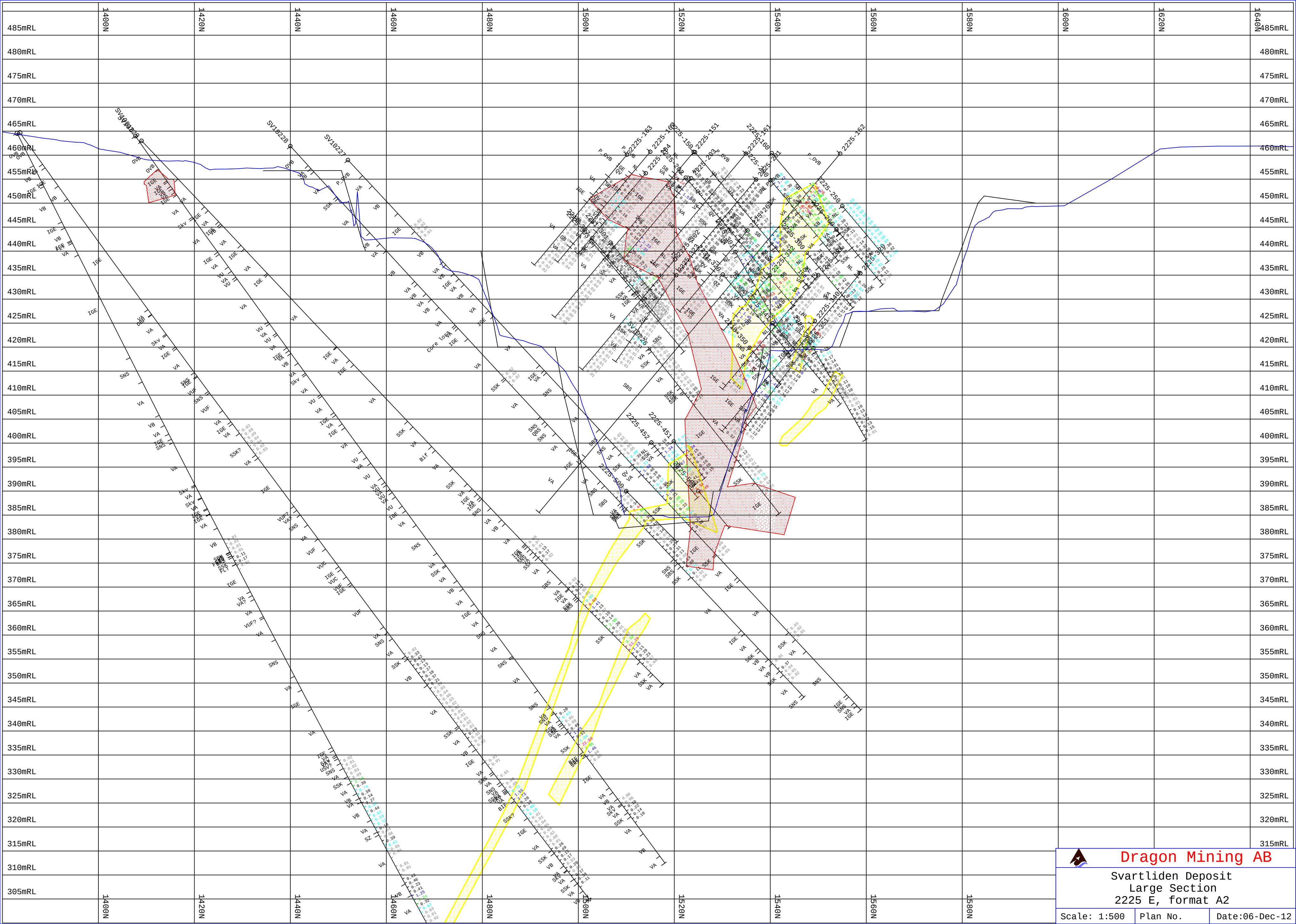
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Plan No.

Date:06-Dec-12



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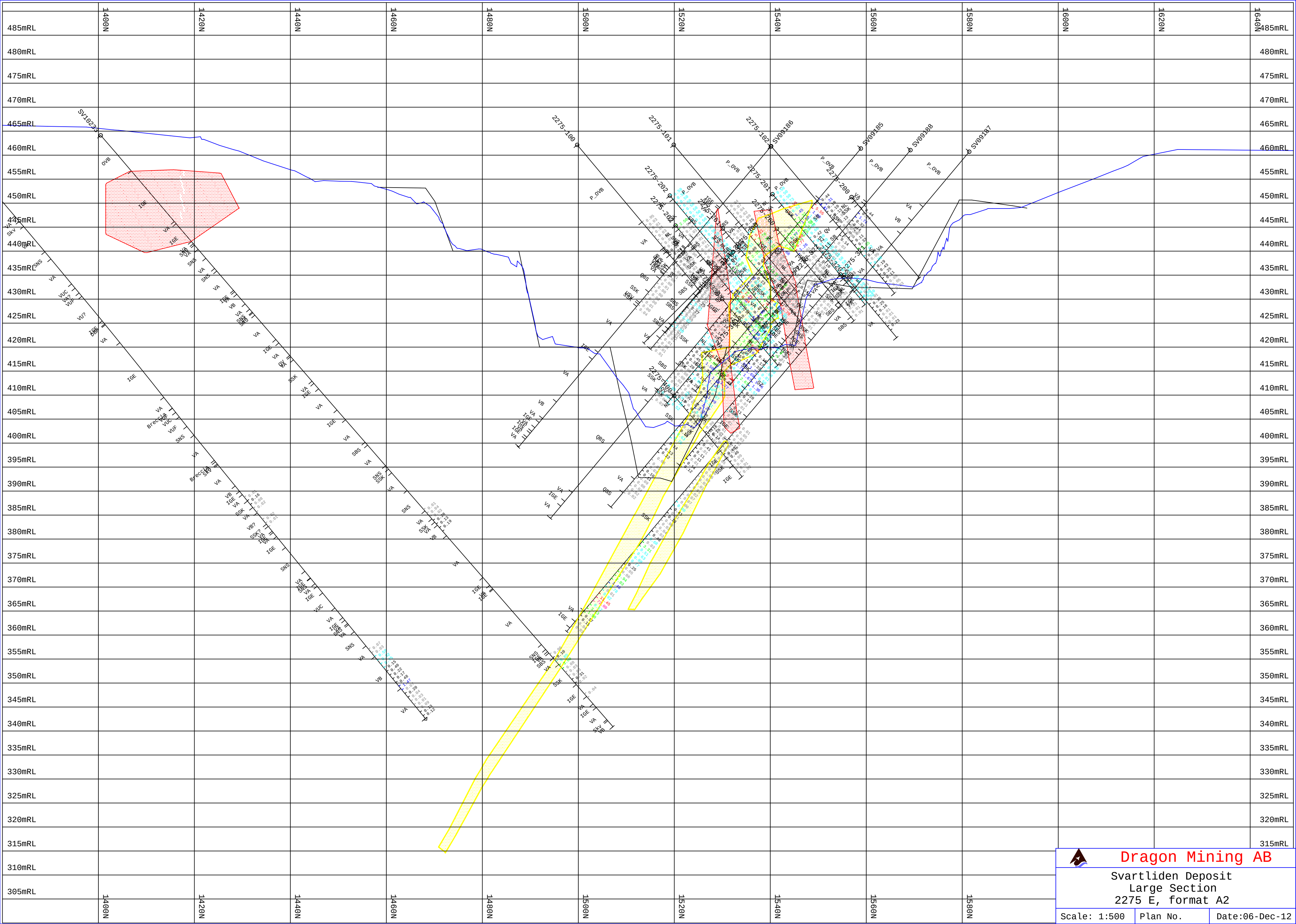
**Dragon Mining AB**

Svartliden Deposit
Large Section
2225 E, format A2

Scale: 1:500

Plan No.

Date:06-Dec-12



05

