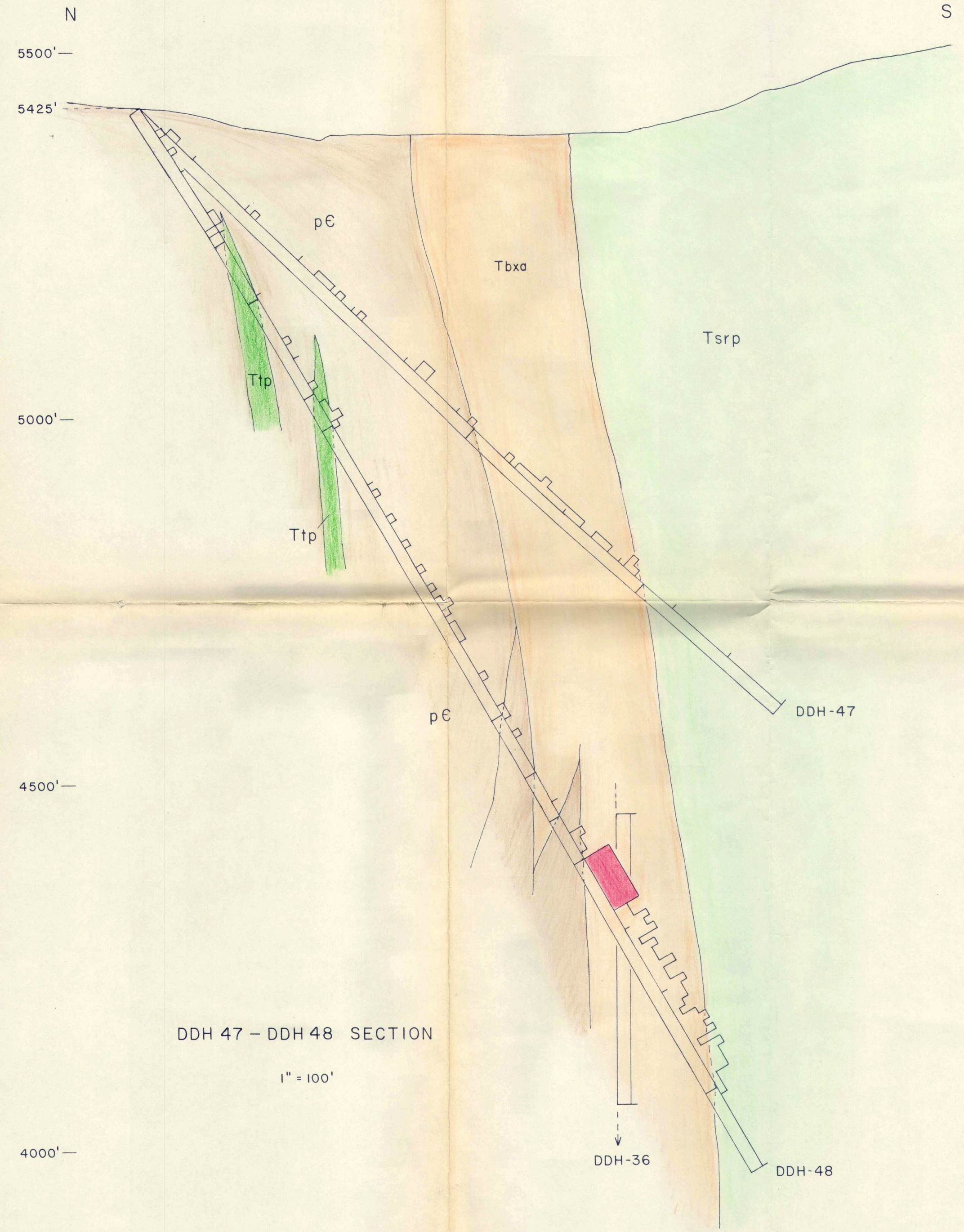
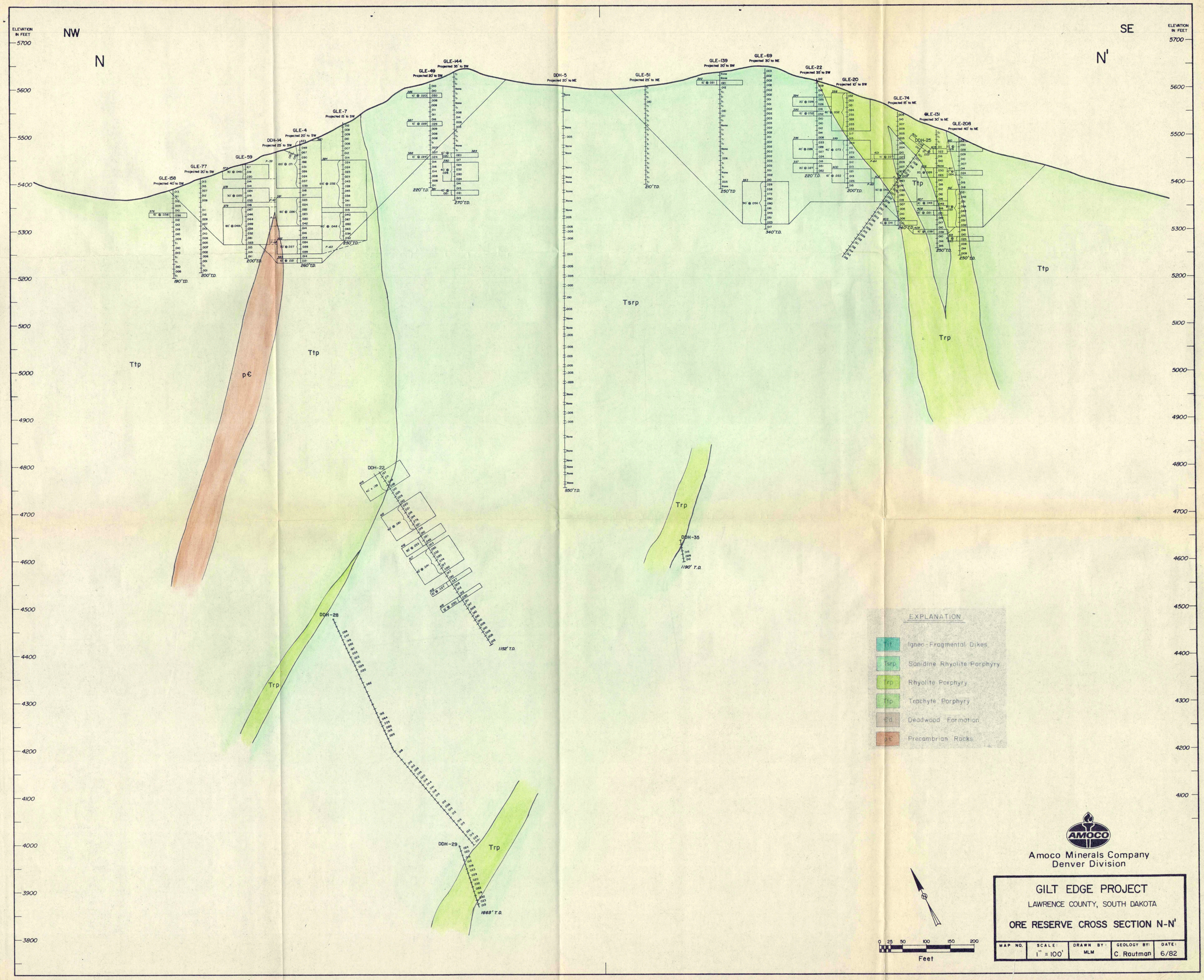
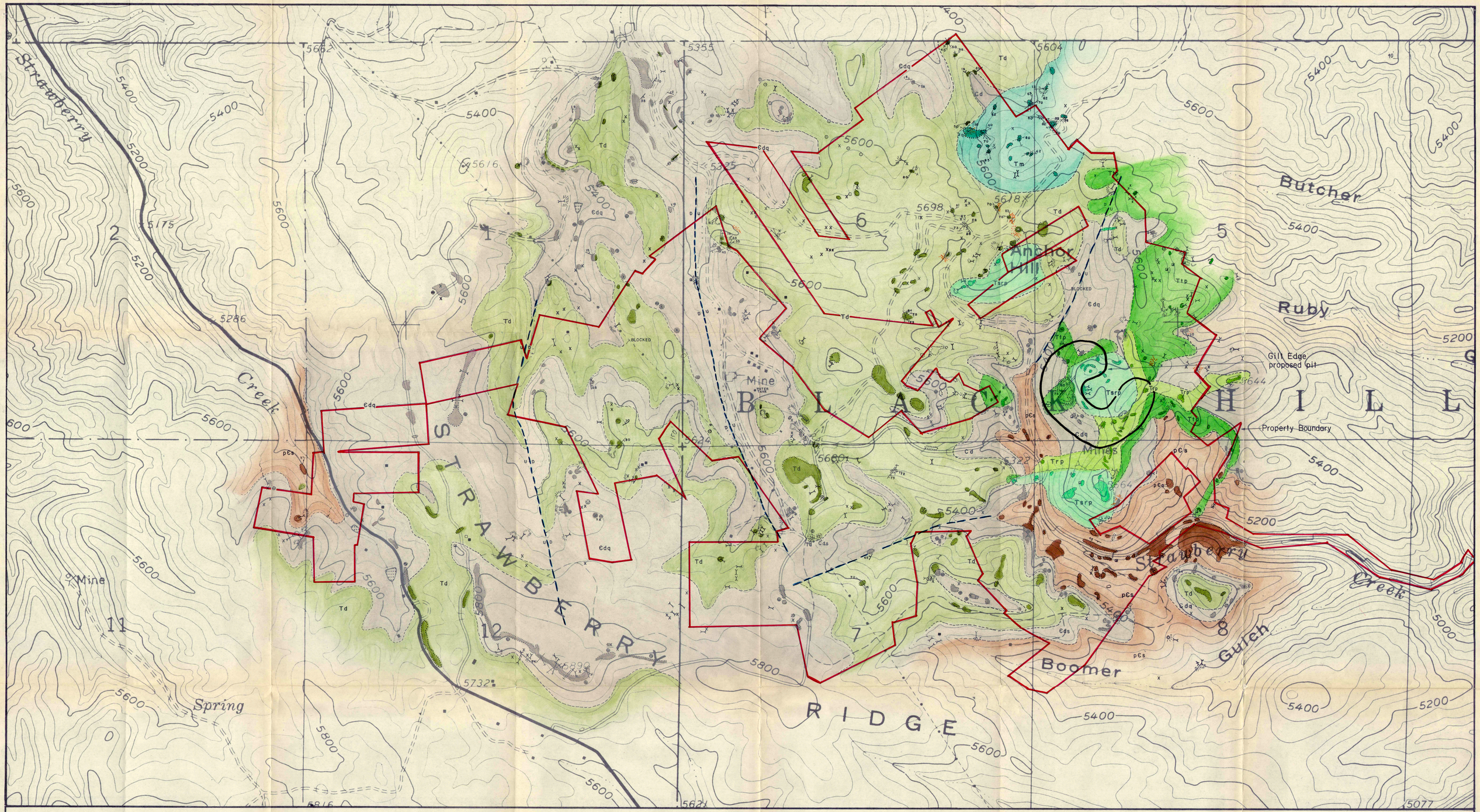


DDH 47 – DDH 48 SECTION

1" = 100'


NW
N
SE
N'
ELEVATION IN FEET
5700
5600
5500
5400
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
GLE-158
Projected 40' to SW
GLE-77
Projected 20' to SW
GLE-59
DDH-14
Projected 25' to SW
GLE-4
Projected 20' to SW
GLE-7
Projected 15' to SW
GLE-49
Projected 20' to SW
GLE-144
Projected 35' to SW
DDH-5
Projected 20' to NE
GLE-51
Projected 25' to NE
GLE-139
Projected 20' to SW
GLE-69
Projected 30' to NE
GLE-22
Projected 35' to SW
GLE-20
Projected 10' to SW
GLE-74
Projected 15' to NE
GLE-131
Projected 30' to NE
GLE-208
Projected 40' to NE
DDH-25
Ttp
Tsrp
Trp
p€
DDH-22
DDH-28
DDH-29
DDH-35
190' T.D.
200' T.D.
200' T.D.
260' T.D.
250' T.D.
220' T.D.
270' T.D.
210' T.D.
250' T.D.
340' T.D.
220' T.D.
200' T.D.
240' T.D.
250' T.D.
250' T.D.
850' T.D.
1190' T.D.
1152' T.D.
1668' T.D.
EXPLANATION
Tif Igneo-Fragmental Dikes
Tsrp Sanidine Rhyolite Porphyry
Trp Rhyolite Porphyry
Ttp Trachyte Porphyry
Ed Deadwood Formation
p€ Precambrian Rocks
0 25 50 100 150 200
Feet
AMOCO
Amoco Minerals Company
Denver Division
GILT EDGE PROJECT
LAWRENCE COUNTY, SOUTH DAKOTA
ORE RESERVE CROSS SECTION N-N'
MAP NO.
SCALE: 1" = 100'
DRAWN BY: MLM
GEOLOGY BY: C. Rautman
DATE: 6/82



EXPLANATION

Tsrp	SANIDINE RHYOLITE PORPHYRY – Medium grained rhyolite porphyry containing distinctive euhedral sanidine phenocrysts.
Trp	RHYOLITE PORPHYRY – Fine to medium grained quartz and feldspar porphyry, generally occurs as dikes.
Tlp	TRACHYTE PORPHYRY – Medium grained feldspar porphyry.
Tm	HORNBLENDE MONZONITE PORPHYRY
Td	HORNBLENDE DIORITE PORPHYRY
Edq	DEADWOOD FORMATION – Fine grained sandstone and quartzite.
pCs	PRECAMBRIAN SCHIST – Greenish-brown schistose metasediments with steeply dipping foliation.

- Major fracture or shear
- Strike and dip of sediments
- Joints or sheeting
- Strike and dip of foliation
- Mine dumps
- Outcrop
- Prospect pits and trenches

N

500' 0 500' 1000'

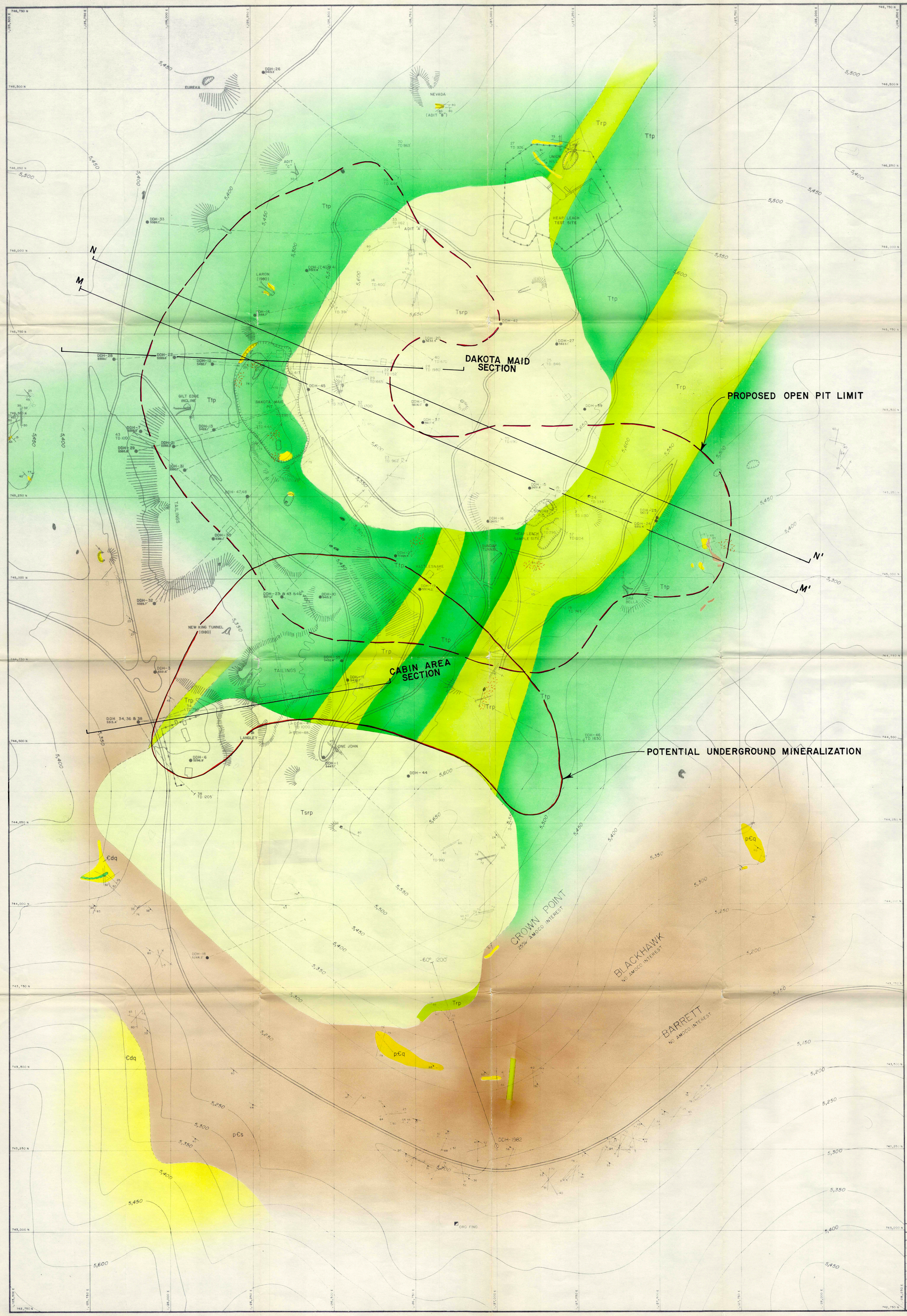
AMOCO MINERALS COMPANY
USA Minerals Division
Denver, Colorado

GILT EDGE PROJECT

LAWRENCE CO., S. DAKOTA

GEOLOGIC MAP

MAP NO.	SCALE:	DRAWN BY:	GEOLOGY BY:	DATE:
	1"=500'			1-10-83



EXPLANATION

TERTIARY

- Tsrp — SANIDINE RHYOLITE PORPHYRY- MEDIUM-GRAINED RHYOLITE PORPHYRY CONTAINING DISTINCTIVE LARGE EUHEDRAL SANIDINE PHENOCRYSTS.
- Trp — RHYOLITE PORPHYRY - FINE TO MEDIUM-GRAINED QUARTZ AND FELDSPAR PORPHYRY, GENERALLY OCCURS AS DIKES.
- Ttp — TRACHYTE PORPHYRY — MEDIUM-GRAINED FELDSPAR PORPHYRY

CAMBRIAN

- €ds — DEADWOOD FORMATION SHALES- GREY SHALE AND THINLY INTER-LAMINATED SILTY SANDSTONE, LOCALLY MAY BE HORNFELSED.
- €dq — DEADWOOD FORMATION QUARTZITES- LIGHT-COLORED FINE-GRAINED SANDSTONE AND QUARTZITE.

PRECAMBRIAN

- p€q — PRECAMBRIAN QUARTZITE - FOLIATED OR STEEPLY DIPPING QUARTZITE
- p€s — PRECAMBRIAN SCHIST - GREENISH-BROWN SCHISTOSE METASEDIMENTS WITH STEEPLY DIPPING FOLIATION

OUTCROP

SILICIFICATION

MAJOR FRACTURE OR SHEAR

STRIKE AND DIP OF SEDIMENTS

JOINTS OR SHEETING

STRIKE AND DIP OF FOLIATION

DDH-21 / TD 444 — CORE HOLE WITH COLLAR LOCATION AND SURFACE PROJECTION OF HOLE

MINE DUMPS

N

100' 0 100' 200' 300'

AMOCO

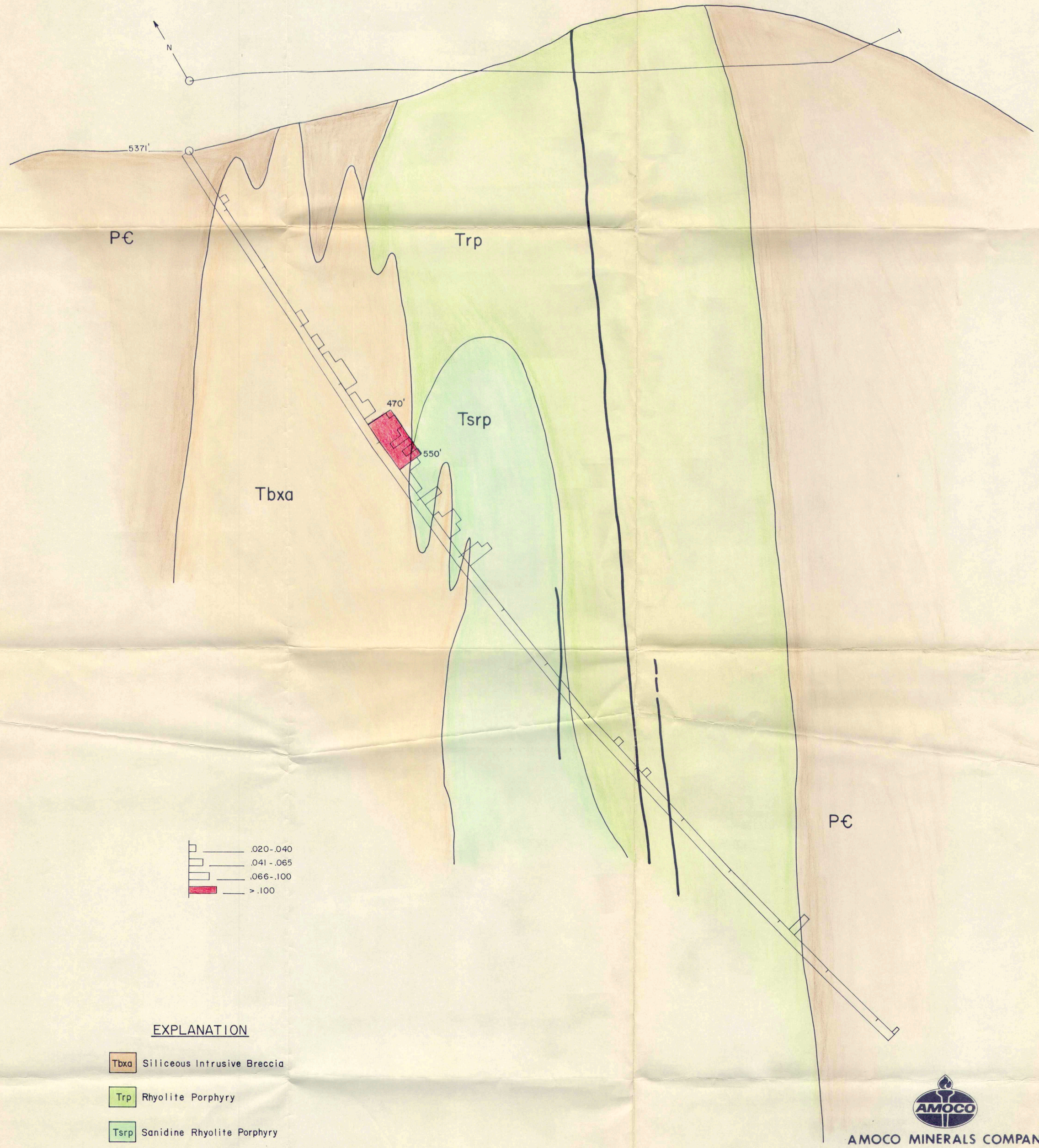
AMOCO MINERALS COMPANY
USA Minerals Division
Denver, Colorado

REVISIONS	
INITIALS	DATE
S.S.L.	7-9-82

GILT EDGE PROJECT
LAWRENCE CO, S. DAKOTA

GEOLOGIC MAP

MAP NO.	SCALE	DRAWN BY	GEOLOGY BY	DATE
	1" = 100'	S.S.L.	P.E. CHAPMAN L.L. SICKLER	4/13/82



EXPLANATION

- Tbxa — Siliceous Intrusive Breccia
- Trp — Rhyolite Porphyry
- Tsrp — Sanidine Rhyolite Porphyry
- P€ — Precambrian Units

AMOCO MINERALS COMPANY
USA Minerals Division
Denver, Colorado

Gilt Edge Project

Lawrence Co., S. Dakota

DDH-46

MAP NO.	SCALE:	DRAWN BY:	GEOLOGY BY:	DATE:
	1" = 100'			3 / 83