

84-1343-13391

12/95

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,391

DEC 10 1984

Recel No.

FRASER LAKE, B.C.

GEOCHEMICAL REPORT

BEN GROUP OF MINERAL CLAIMS

PALCER DEVELOPMENT LIMITED

ENDAKO MINES DIVISION

OMINECA MINING DIVISION

ENDAKO, B.C.

(Latitude 54° 02' , Longitude 125° 05')

NTS 93/K3/E

Work undertaken during the period

10 September 1984 - 31 December 1984

P. Buckley

31 December 1984

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1. INTRODUCTION

Rock geochemical survey was conducted on Dat 408, Dat 410, Dat 411, Dat 412, Dat 2 Fr., Dat 4 Fr., and Dat 9 Fr. of the Ben group of mineral claims. Work was also done on the Dat 414 fractional mineral claim. Work was undertaken as part of commitments for assessment work on the Ben group of mineral claims and Dat 414 Fr. which are owned by Placer Development Limited, Endako Mines Division; and are located approximately eight kilometers southwesterly of Endako Village. Work was undertaken between 10 September 1984 and 31 December 1984.

2. SUMMARY

The rock geochemical survey consisted of assaying old diamond drill core pulps, which had previously only been assayed for molybdenum. Current survey consisted of assaying these samples for the additional elements silver, lead, gold, copper and zinc. Only the cost of this additional assaying and report preparation are being applied as assessment work.

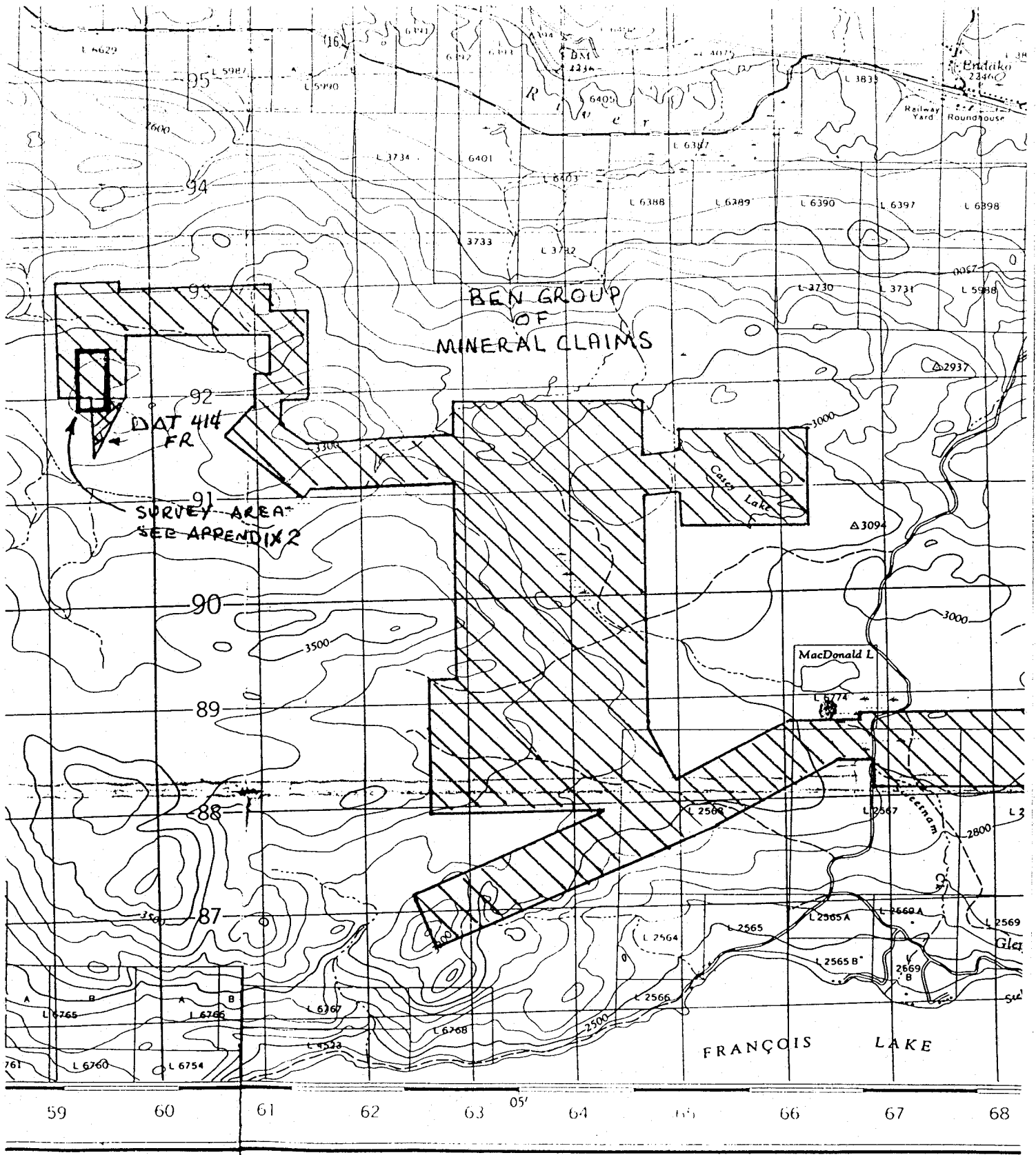
Rock geochemical survey results indicate no significant anomalous zones; however a number of erratic isolated higher than background values occur.

3. MINERAL CLAIM GROUP

The Ben Group of Mineral Claims is located approximately eight kilometers southwest of Endako Village in the Omineca Mining Division. The property is geographically located at latitude 54 degrees 2 minutes and longitude 125 degrees 5 minutes and is located on NTS map sheet 93/K3/E. Figure 1

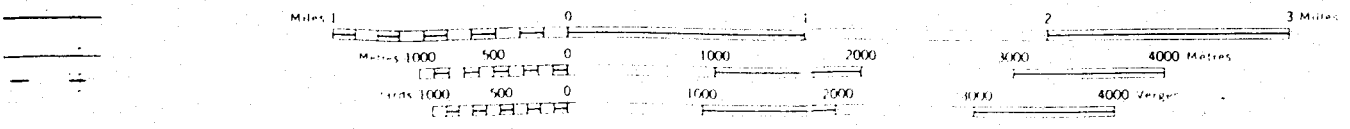
Mineral Claims grouped as the Ben Group are as follows:

MINERAL CLAIM	RECORD NUMBER	MONTH OF RECORD
Ben 1-10 incl.	66821-66830 incl.	Feb.
Bing 1-3 incl.	116881-116883 incl.	Oct.
Bing 5	116885	Oct.
Bing 7	116887	Oct.
Bing 9 Fr.	116889	Oct.
Bing 10	116890	Oct.
Bingo 31	14246	Sept.
Bingo 33	14248	Sept.
Bingo 35	14250	Sept.
Bingo 37	14252	Sept.
Bingo 39	14254	Sept.
Casey 3 (6 units)	2097	Aug.
Co 1-8 incl.	14111-14118 incl.	Aug.



ENDAKO
 COAST DISTRICT RANGE 5
 BRITISH COLUMBIA

SCALE 1:50,000 ÉCHELLE



MINERAL CLAIM	RECORD NUMBER	MONTH OF RECORD
Co 30 (8 units)	387	July
Co 31 (4 units)	388	July
Co 25 Fr.	54646	Sept.
Cora 2-5 incl	98431-98434 incl.	May
Dat 2	100493	June
Dat 408	17296	Nov.
Dat 410-412 incl.	17298-17300	Nov.
Dat 2 Fr.	81822	Oct.
Dat 4 Fr.	81824	Oct.
Dat 9 Fr.	101280	July
Deer 5	14647	April
Deer 7	14649	April
Deer 9	14653	April
Deer 11	14655	April
Dolly 10 Fr.	57088	Dec.
Elk 11-12 incl.	13448-13449 incl	Nov.
Elk 11 Fr.	42477	Aug.
Fran 100 (8 units)	222	Jan.
Fran 101 (4 units)	2094	Aug.
Fran 102 (2 units)	2095	Aug.
Fran 103 (1 unit)	2096	Aug.
Oval 3-4 incl.	71697-71698 incl	May
Pat 70	14825	June
Pat 72	14827	June
Pat 131	47877	Mar.
VZ 8	65853	Jan.
VZ 10	65855	Jan.

In addition work was done on the Dat 414 fractional mineral claim.

4. TOPOGRAPHY AND ACCESS

Mineral claims are located on relatively flat and rolling north-facing slopes which overlook the Endako River valley.

Access to mineral claims is facilitated via the Endako Mine site which is located approximately eight kilometers southwest of Endako Village.

5. PREVIOUS WORK

Previous diamond drilling in the northwesterly area of the Ben Group of mineral claims has outlined a zone of westerly dipping molybdenite mineralization in Endako quartz monzonite host rock. These core samples were previously only assayed for molybdenum.

6. GENERAL GEOLOGY

Overburden covers the northwesterly area of the Ben Group of mineral claims where the rock geochemical survey was conducted.

Diamond drilling in this northwestern zone has indicated molybdenite mineralization in mainly weak to moderately kaolinized Endako Quartz Monzonite. Minor zones of intense kaolinization have also been encountered.

7. ECONOMIC ASSESSMENT

No economic mineralization was indicated by this survey.

8. SURVEY CONTROL

Rock geochemical analysis of saved diamond drill core pulps from the following drill holes was conducted. Drill hole locations are indicated on plan in Appendix 2.

DRILL HOLE	NORTHING (ft)	EASTING (ft)	LENGTH
S 554	38588	20579	152.4 m (500 ft)
S 555	38770	20605	152.7 m (501 ft)
S 556	38811	20358	152.4 m (500 ft)
S 558	38412	20198	152.4 m (500 ft)
S 559	37382	20398	146.1 m (481 ft)
S 560	37795	20268	153.0 m (502 ft)
S 561	37775	20045	152.4 m (500 ft)
S 562	38104	19932	152.4 m (500 ft)
S 563	38588	19971	152.4 m (500 ft)
S 564	37977	19695	211.8 m (695 ft)
S 566	38799	19813	167.0 m (548 ft)
S 567	38471	19574	152.7 m (501 ft)
S 568	38882	19461	153.0 m (502 ft)
S 580	36942	21167	151.8 m (498 ft)
S 581	36944	20146	152.4 m (500 ft)
S 582	37721	19873	152.7 m (501 ft)
S 588	36452	21330	153.0 m (502 ft)

9. ROCK GEOCHEMICAL SURVEY

9.1 SAMPLING PROCEDURE

Rock geochemical survey was conducted on the Dat 408, Dat 410, Dat 411, Dat 412, Dat 2 Fr., Dat 4 Fr., and Dat 9 Fr. of the Ben Group of mineral claims and the Dat 414 Fraction.

Samples consisted of saved pulps from previous diamond drilling on these claims. Each pulp sample represents ten feet (3 m) of core. Initially these pulp samples were only assayed for molybdenum. During the current survey additional assaying for the elements Pb, Ag, Au, Cu and Zn was conducted.

9.2 ANALYSIS

All samples were analyzed at Placer Development Limited Geochemical Laboratory in Vancouver.

Method of analysis for Pb, Ag, Cu, and Zn was nitric/perchloric acid digestion for 4 hours followed by atomic absorption analysis. Gold was analyzed using an aqua regia digestion for 3 hours followed by atomic absorption solvent extraction analysis.

A total of 833 samples were analyzed for Pb, Ag, Au, Cu, and Zn of which 118 were located on the Dat 414 Fr.

9.3 RESULTS

Erratic anomalous Pb, Ag, Cu, and Zn assays were indicated. Maximum values were 0.066% Pb, 0.98% Cu, 0.33% Zn and 5.5ppm Ag. No definite correlation was noted between elements. Maximum assays did not occur all in a single sample.

No gold assays above a background value of 0.02 ppm were detected.

All assay results are shown on sections located in Appendix 3.

10. STATEMENT OF EXPENDITURES

The following expenses were incurred by Placer Development Limited, Endako Mines Division for conducting the rock geochemical survey on the Ben Group of mineral claims.

10.1 PERSONNEL COSTS

PERSONNEL	PERIOD	RATE/hr		AMOUNT
P.W. Harris	10-14 Sept.	35hr @\$30/hr	\$1050.00	
P. Buckley	2-13 Dec.	40hr @\$20/hr	800.00	
TOTAL PERSONNEL COSTS			\$1850.00	
OFFICE OVERHEAD @ 40%			740.00	
GRAND TOTAL PERSONNEL			\$2590.00	\$2590.00

10.2 GEOCHEMICAL ANALYSES

DESCRIPTION		
833 - Samples for Pb, Ag, Au, Cu, Zn @ \$9.69/sample		\$8071.77
TOTAL GEOCHEMICAL COSTS	\$8071.77	\$8071.77

10.3 COMPUTER COSTS

DESCRIPTION		
Computer processing and map plotting		\$ 418.06
TOTAL COMPUTER COSTS	\$ 418.06	\$ 418.06

10.4 REPORT PREPARATION

PERSONNEL	PERIOD	RATE/hr	AMOUNT
P. Buckley	19-31 Dec 84	16 @ \$20.00	\$ 320.00
TOTAL PERSONNEL COST			\$ 320.00
OFFICE OVERHEAD @ 40%			\$ 128.00
TOTAL			\$ 448.00
TOTAL COST FOR GEOCHEMICAL SURVEY			\$11527.83
Proportion of costs applied to Dat 414 Fr. equals costs for 118 samples. 118/833(\$11527.83)			\$ 1632.99
Remaining costs applied to Ben Group of Mineral Claims			\$ 9894.84

11. CONCLUSION

Rock geoghemical survey results indicated isolated zones of erratically high Pb, Ag, Cu, and Zn assays. These anomolous zones were not necessarily coincident with zones of known molybdenum mineralization. No well defined correlation was noted between Pb, Ag, Cu, and Zn assays.

No anomolous gold assay results were indicated by the survey.

Submitted by

Paul Buckley P. Eng
P. Buckley, P. Eng.
Senior Geologist
Placer Development Limited
Endako Mines Division

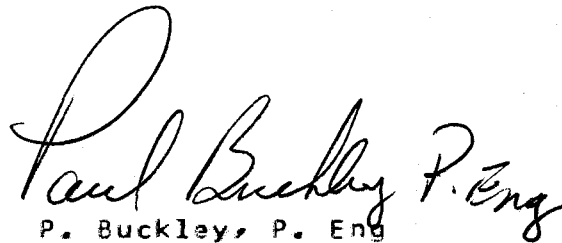
APPENDIX 1

CERTIFICATION

P. BUCKLEY - P. ENG.

I, Paul Buckley, of Placer Development Limited, Endako Mines Division, Endako, B.C., do hereby certify that:

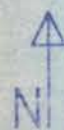
1. I am a Geological Engineer and a member of the Association of Professional Engineers of the Province of British Columbia.
2. I am a graduate of the University of British Columbia with Bachelor of Applied Science Degree in Geological Engineering in 1973.
3. From 1973 until the present I have been engaged in pit operations and exploration geology in British Columbia.
4. I did the planning and interpretation of the geochemical survey.
5. To the best of my knowledge, the Statement of Expenditures is correct.


P. Buckley, P. Eng



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PLACER DEVELOPMENT LIMITED

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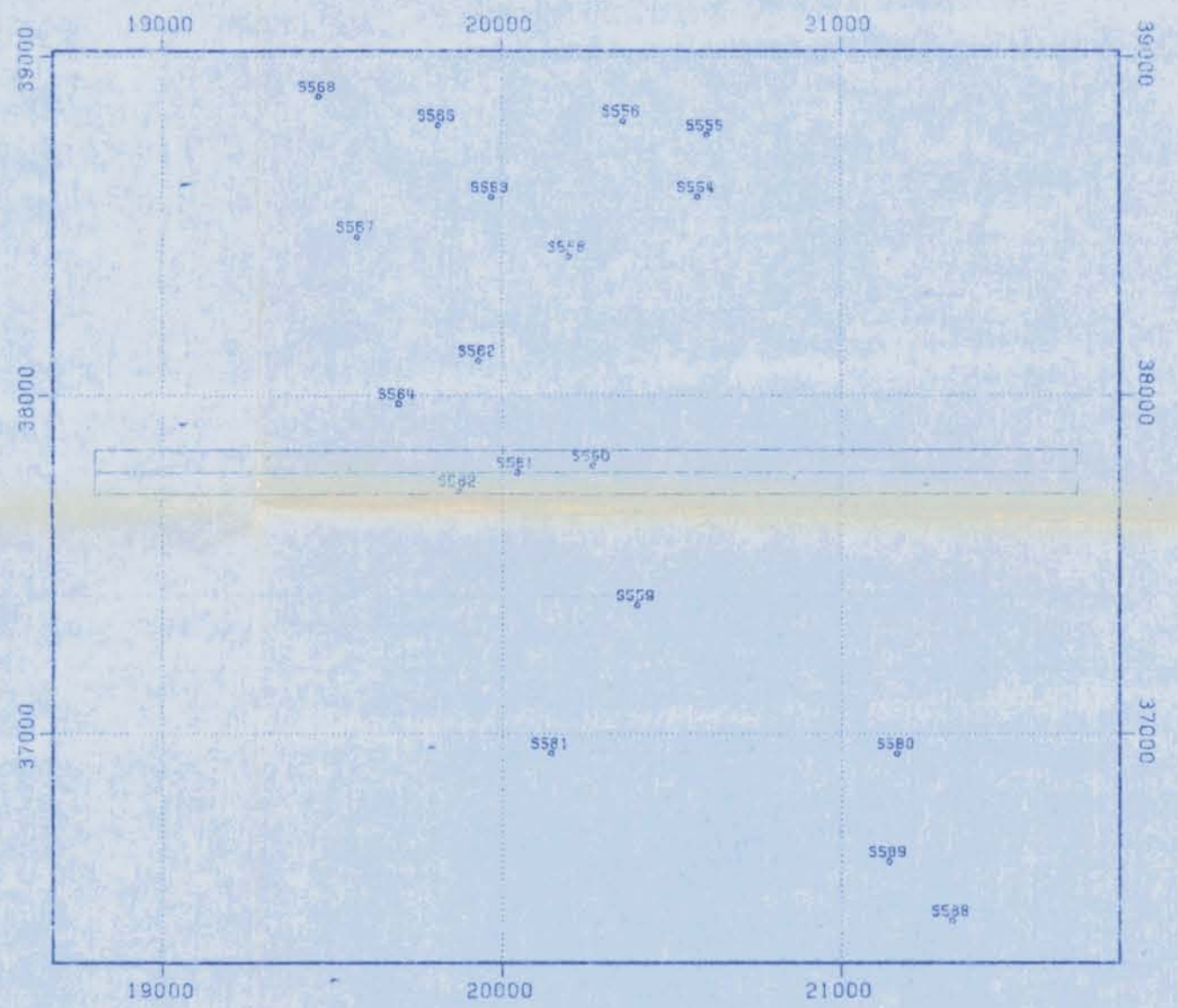
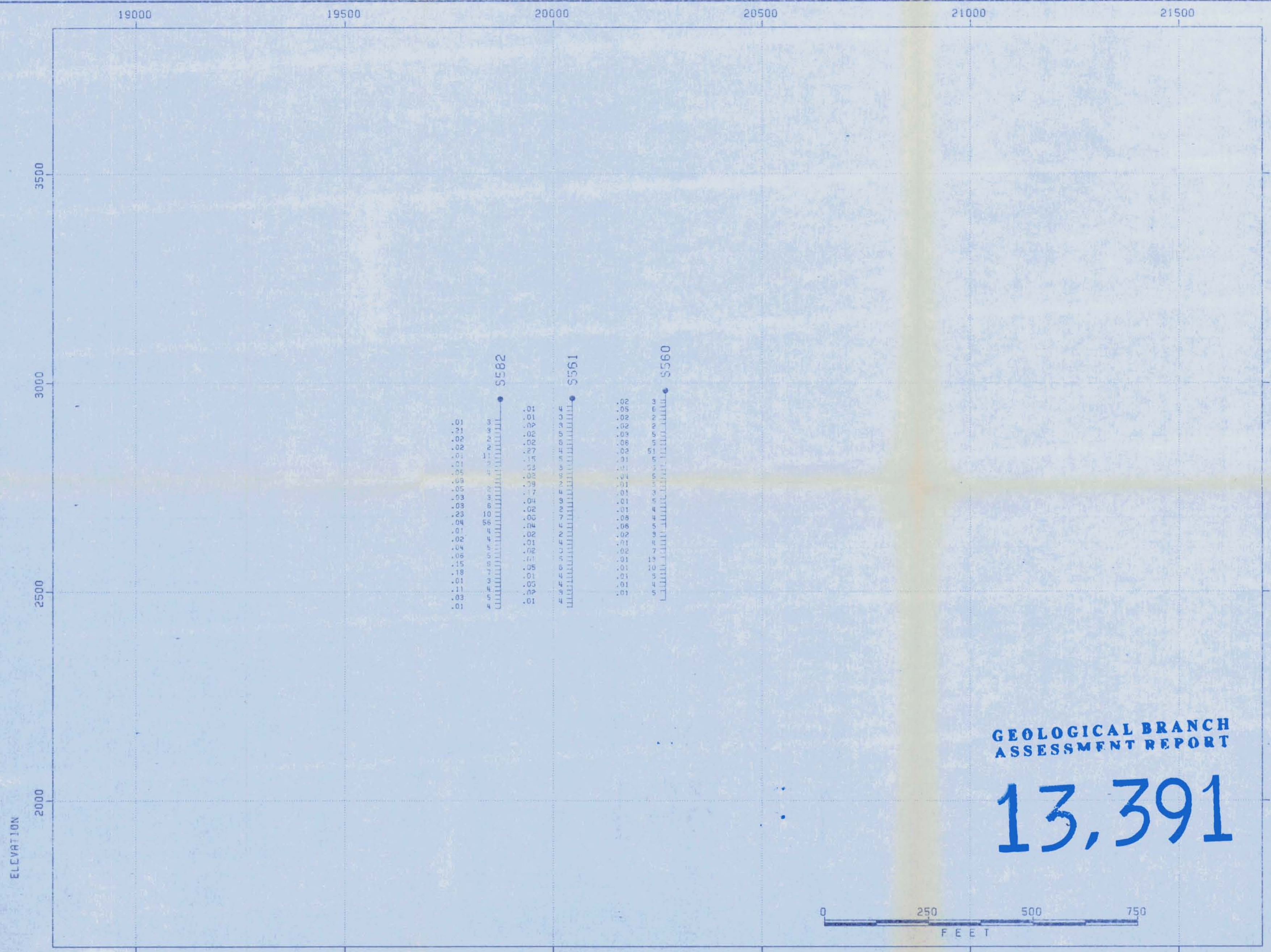
WATKINS CREEK (ENDAKO)

0 — 20 M.

Paul Buckley P. Eng

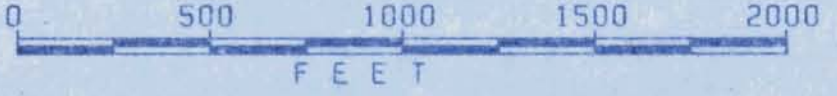
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WATKINS CREEK 37775N MO.PB
 ENDAKO EXPLORATION



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Paul Buckley P.Eng

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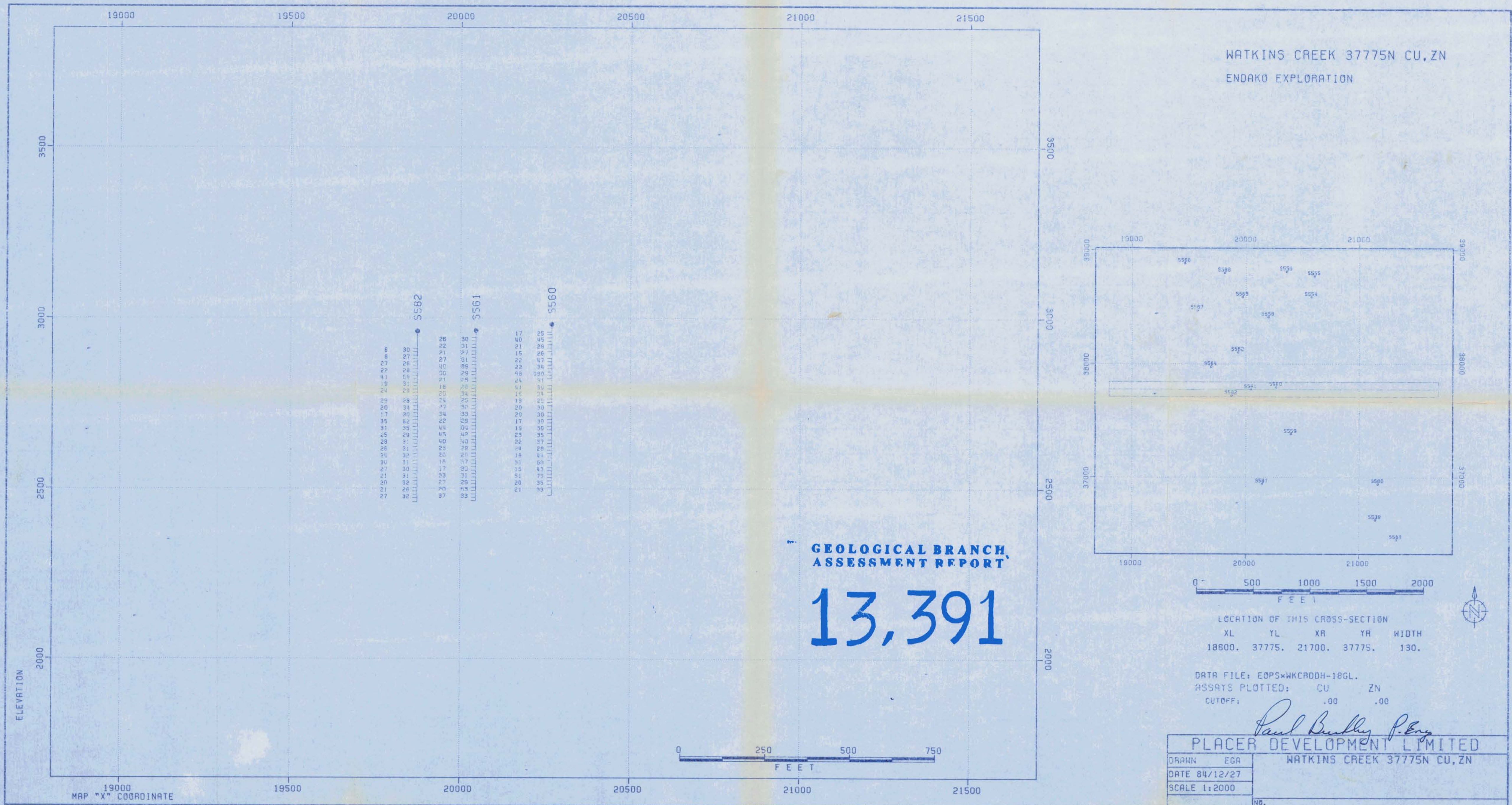


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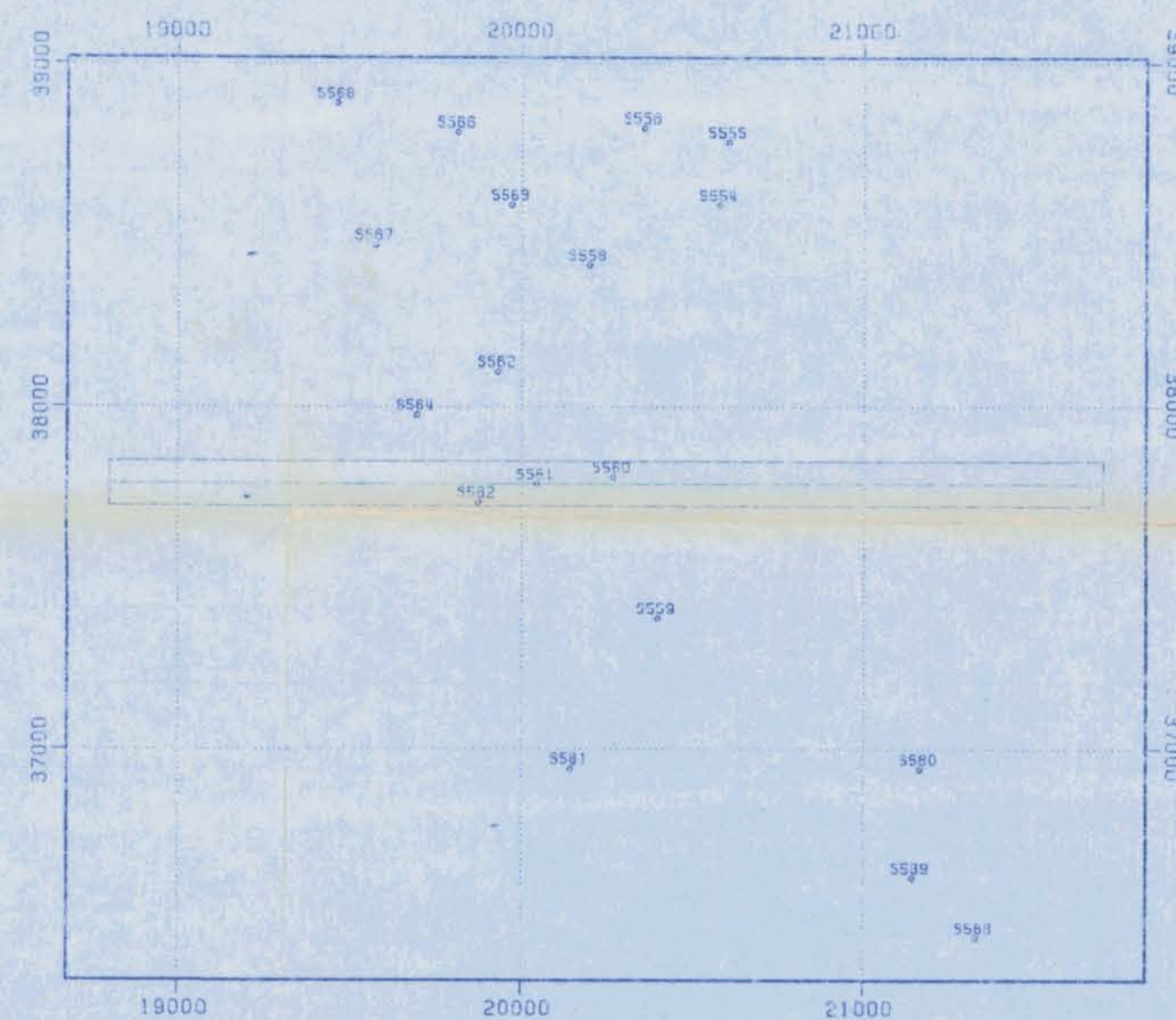
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 ENDAKO EXPLORATION



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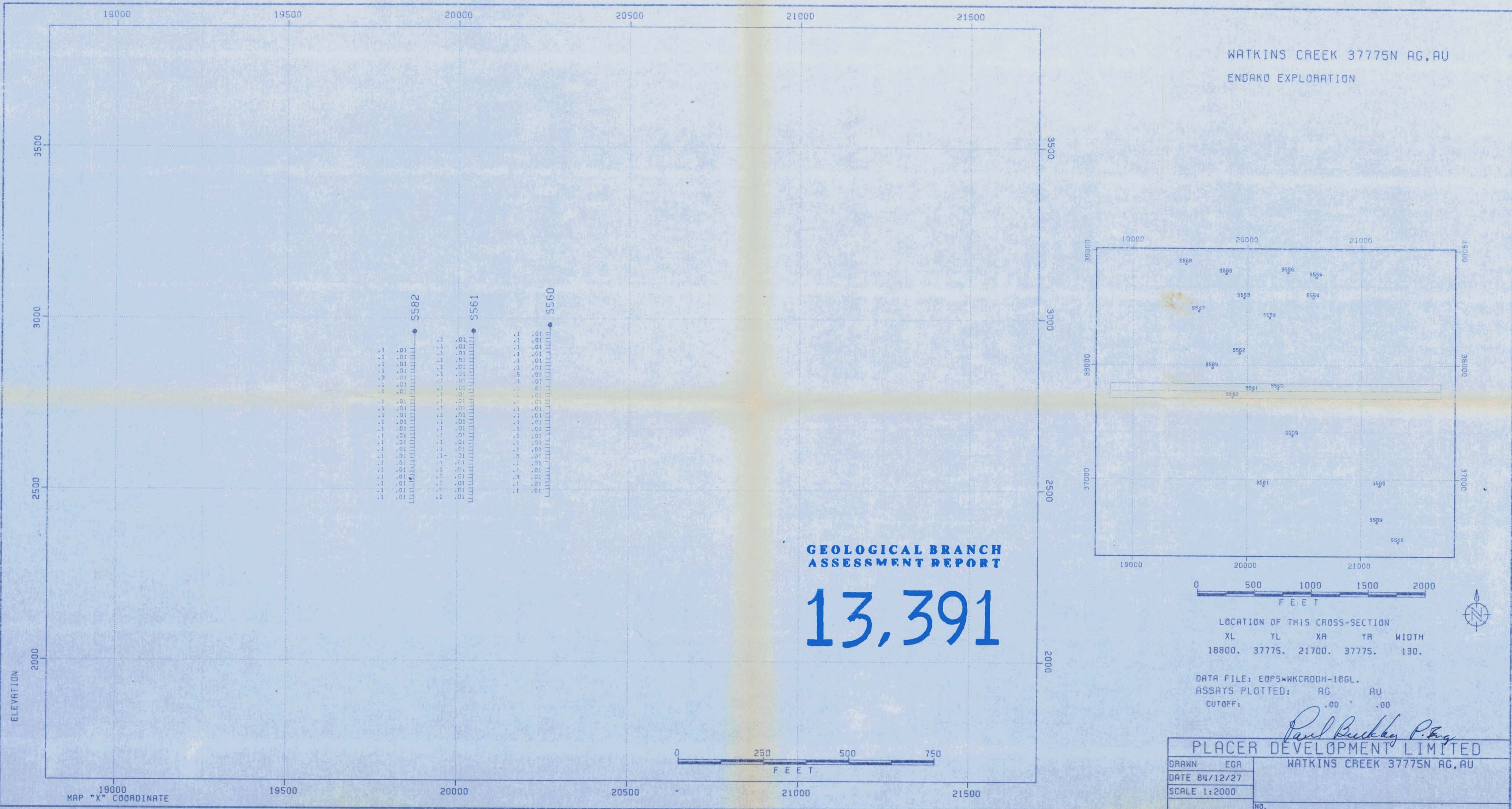
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Paul Buckley P. Eng

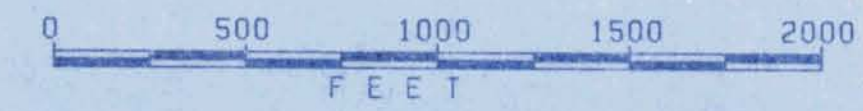
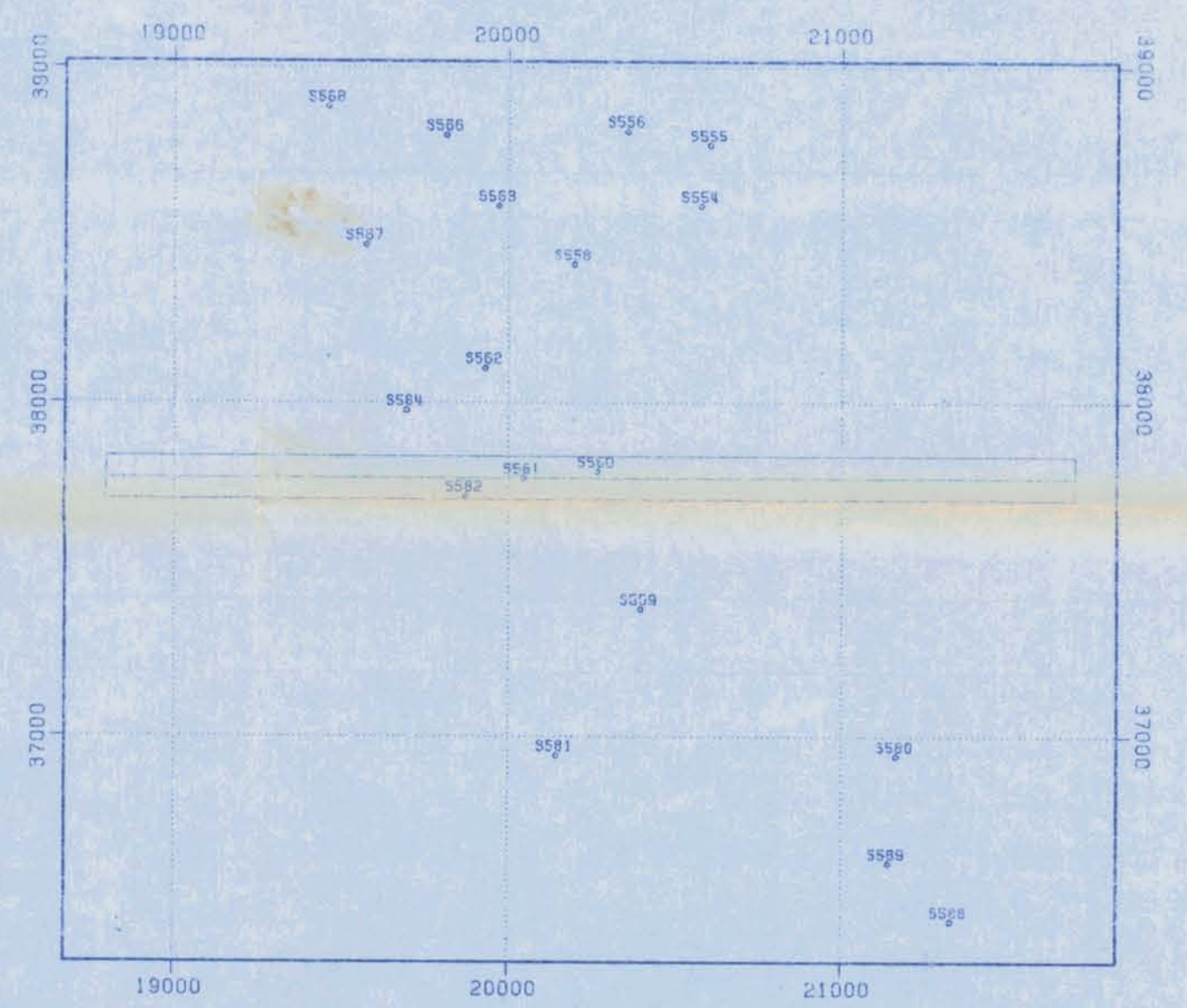
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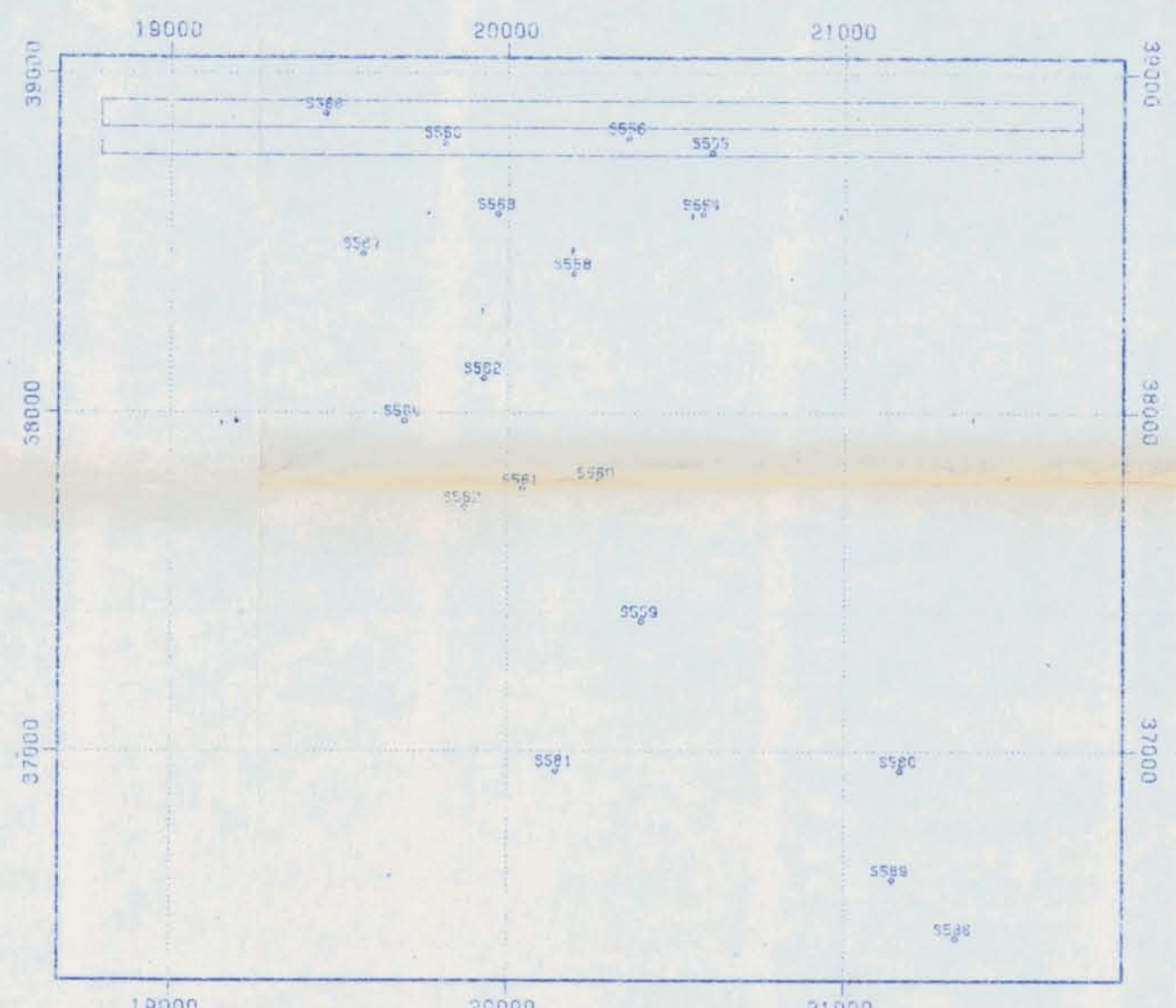
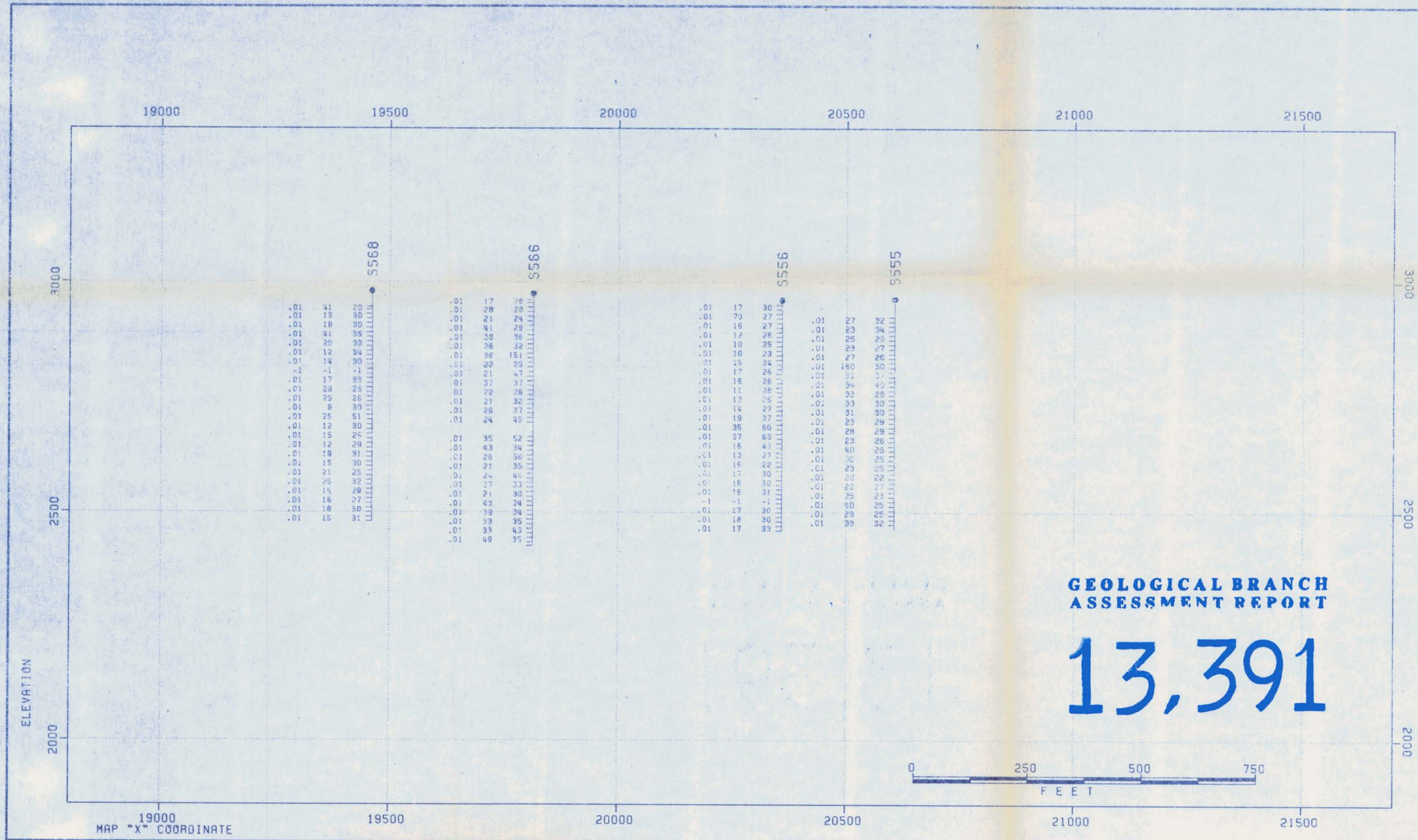
Paul Buckley P. Eng

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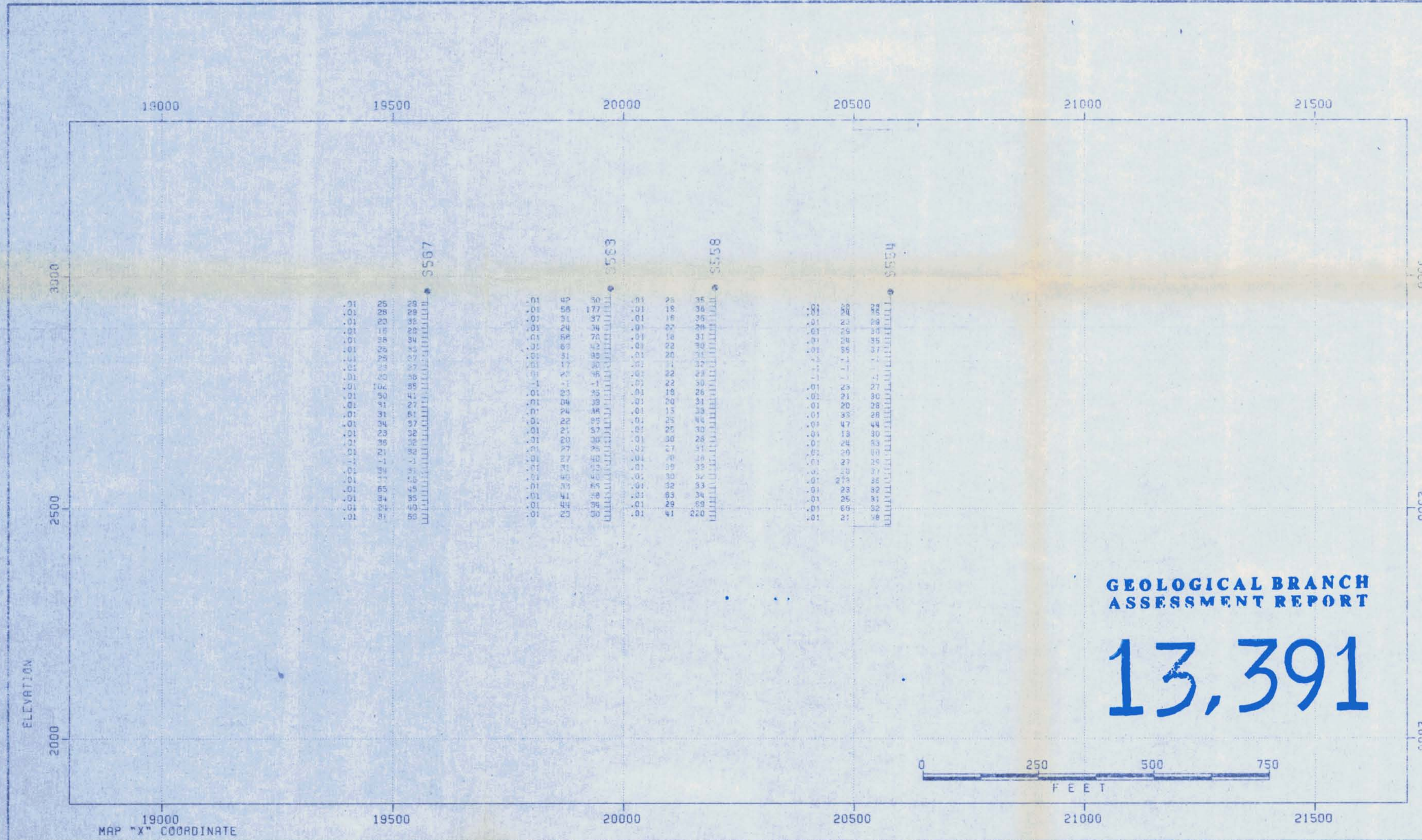


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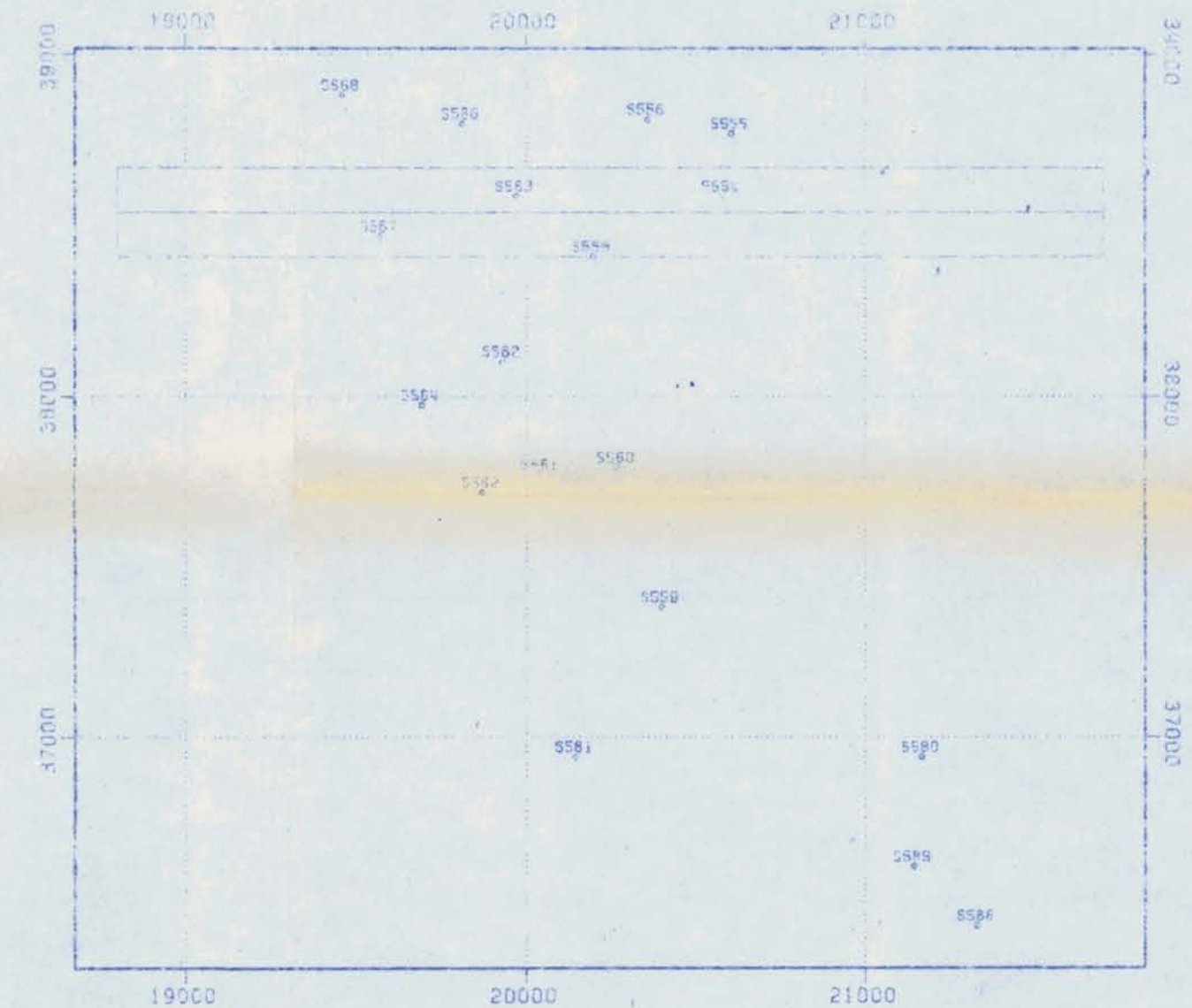
Paul Buckley P. Eng

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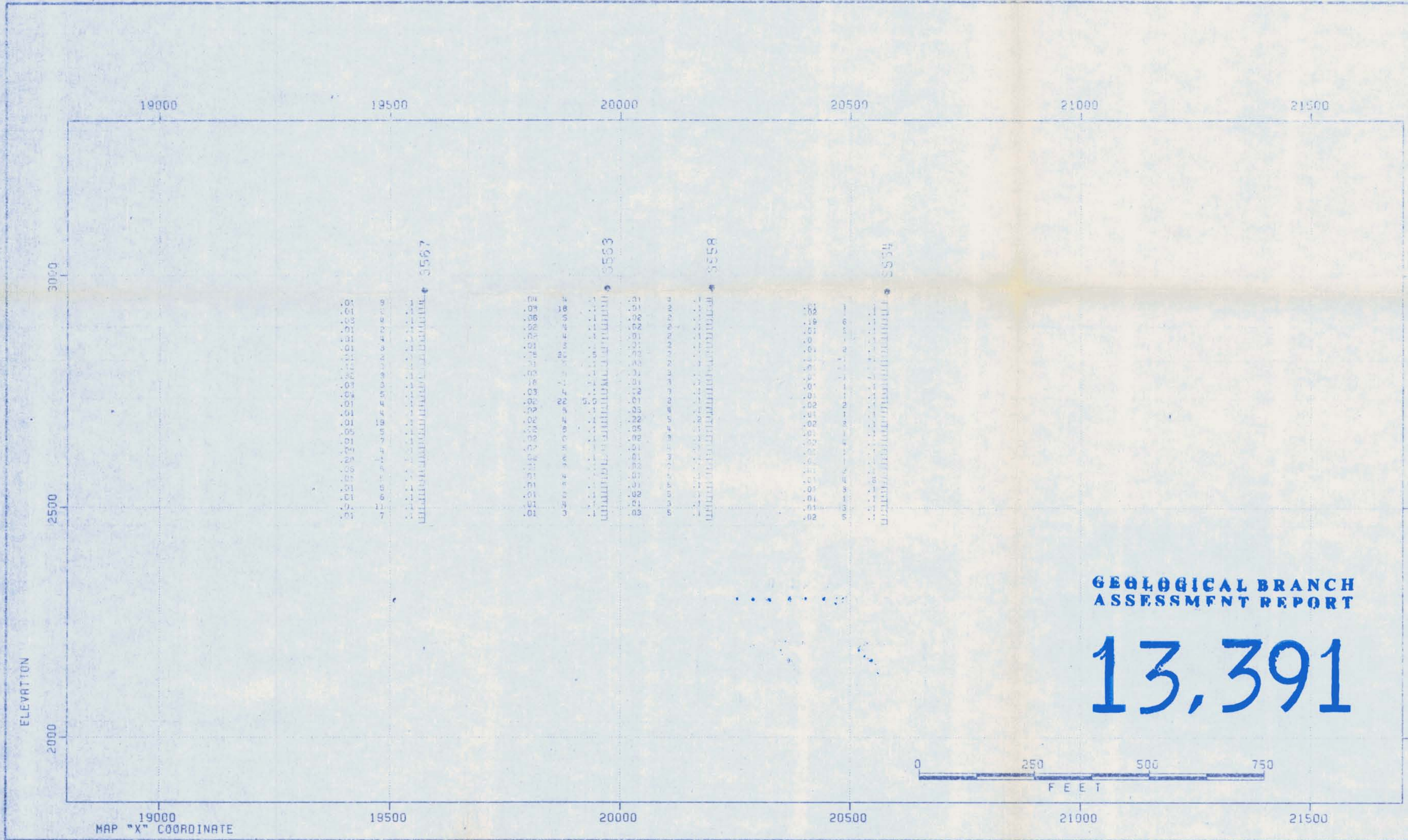
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Paul Beedley P. Eng

PLACER DEVELOPMENT LIMITED

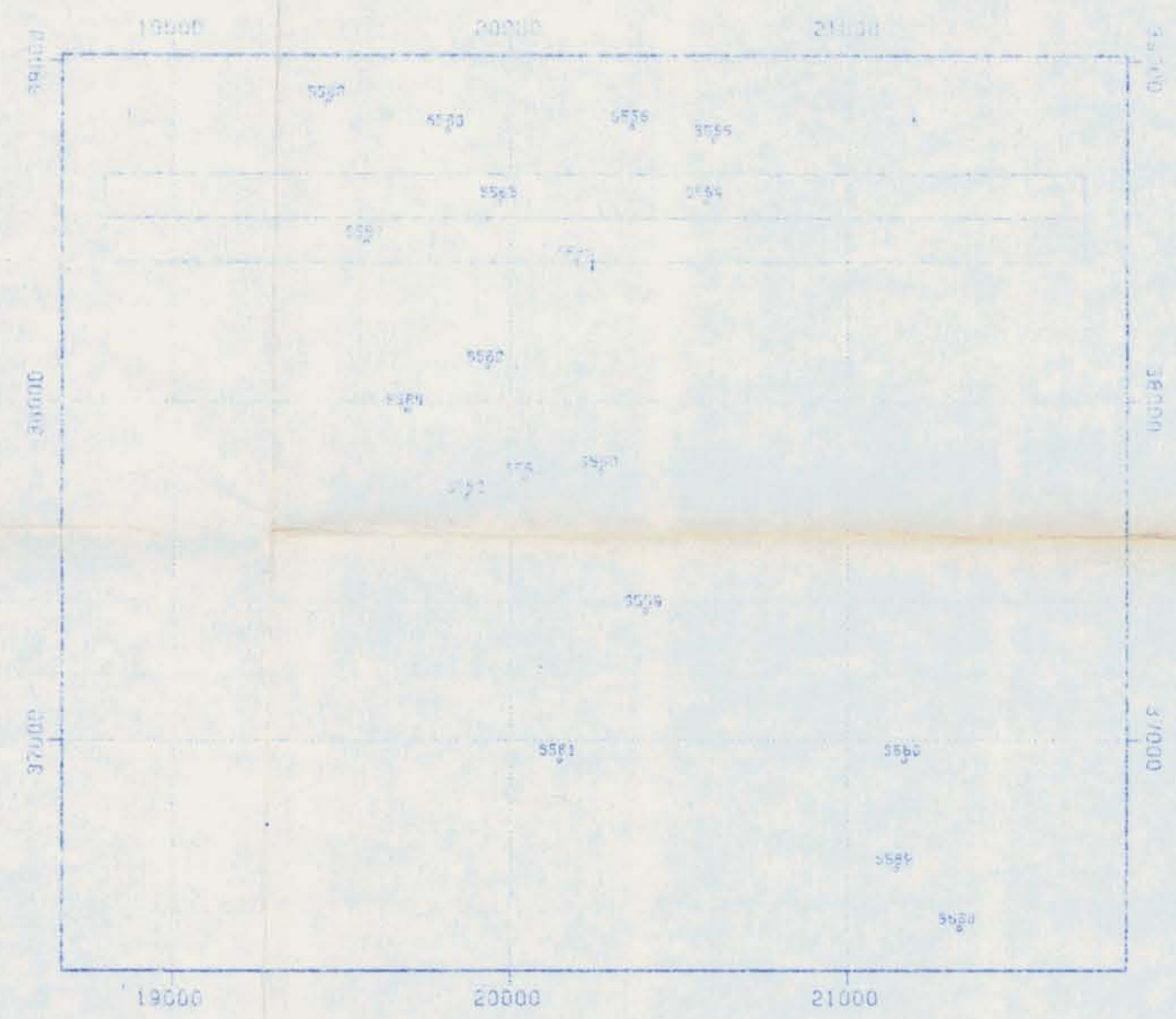
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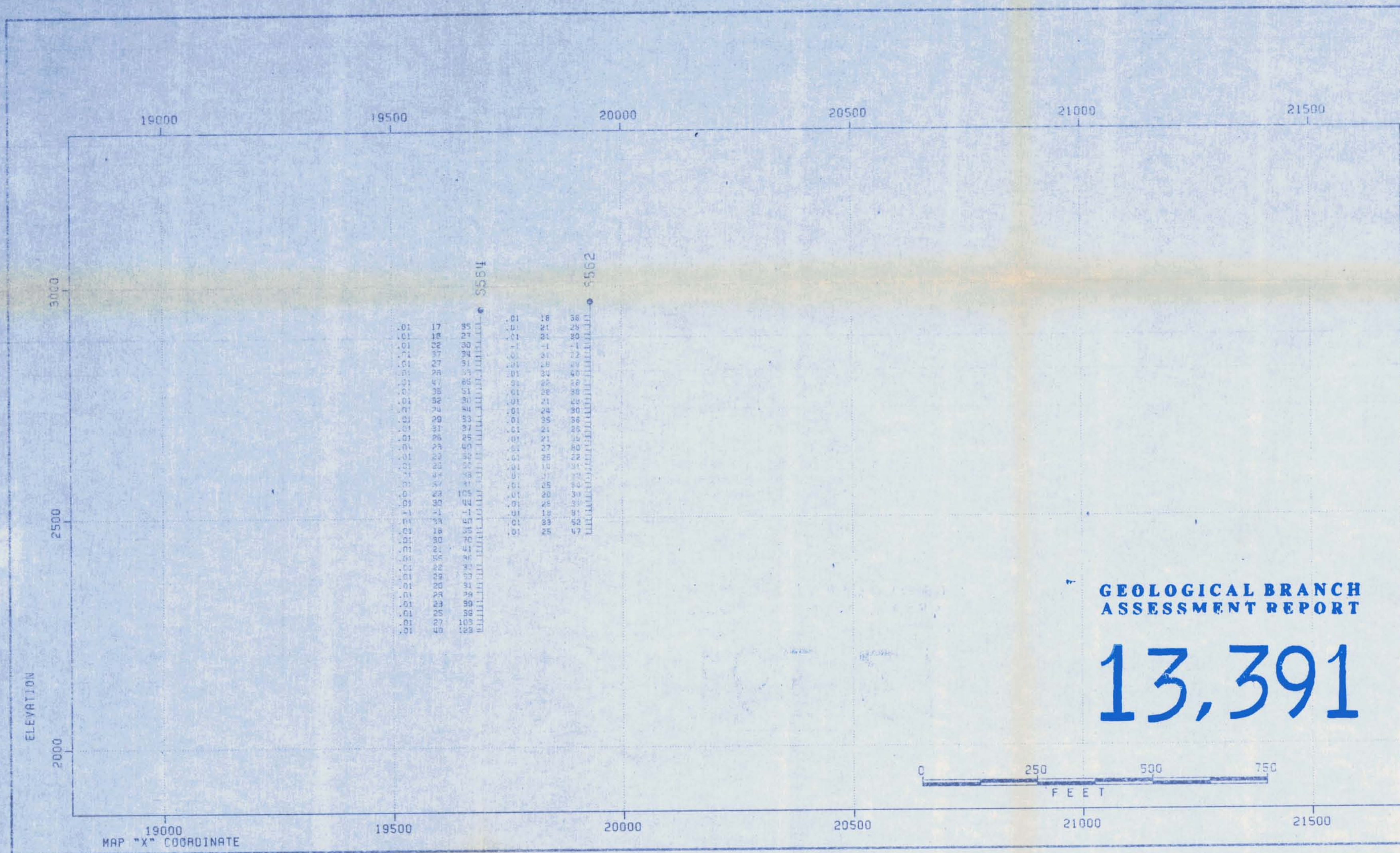
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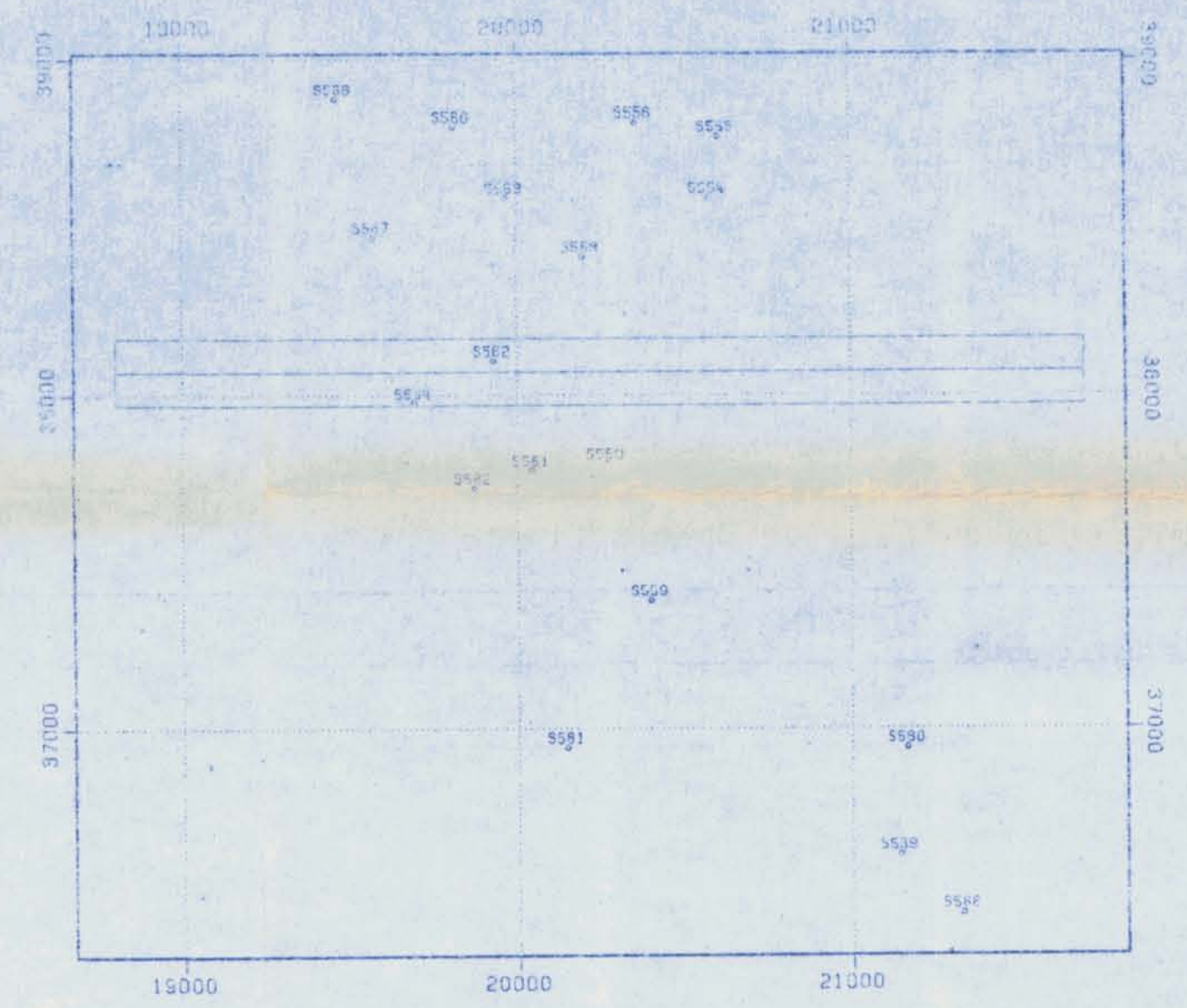
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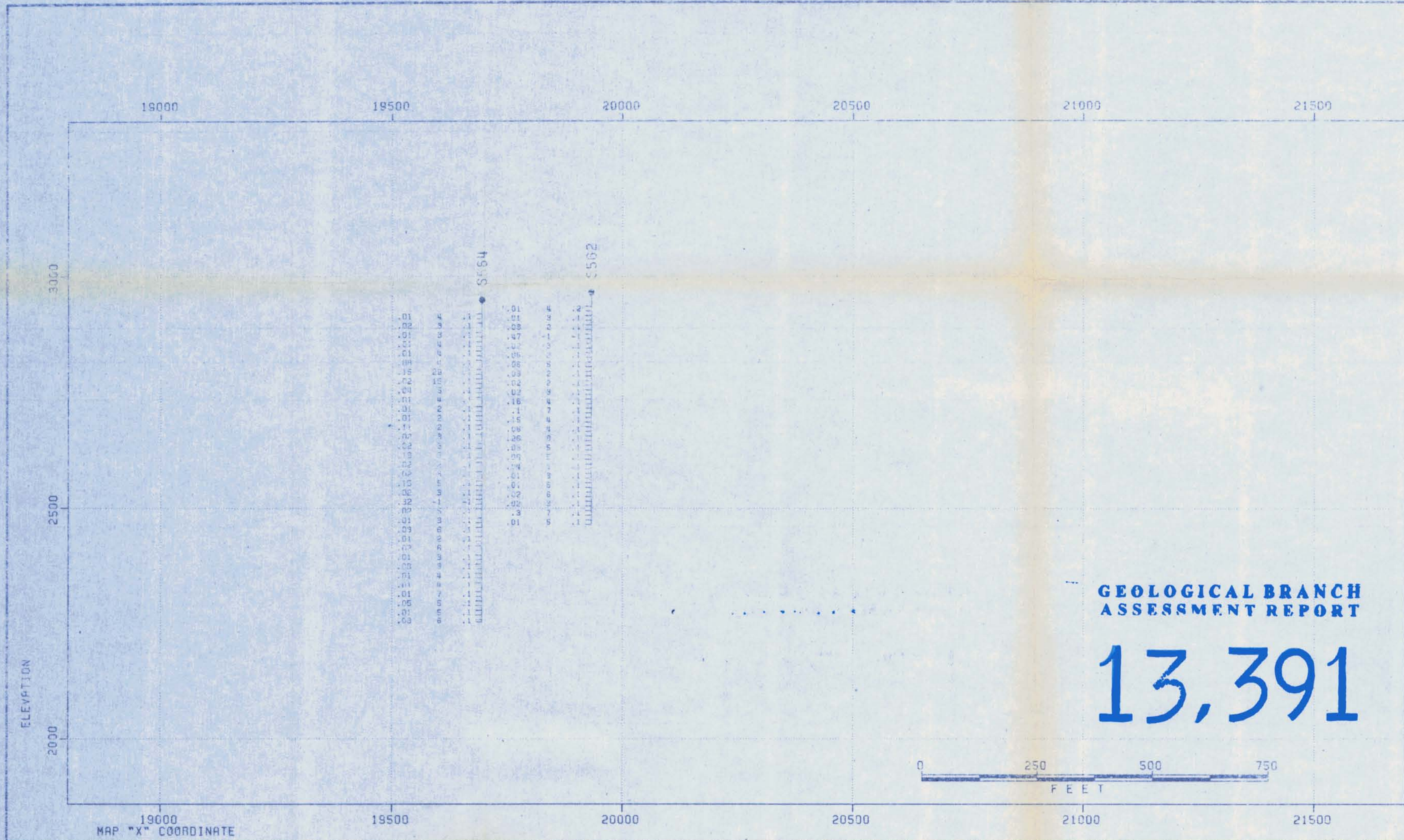


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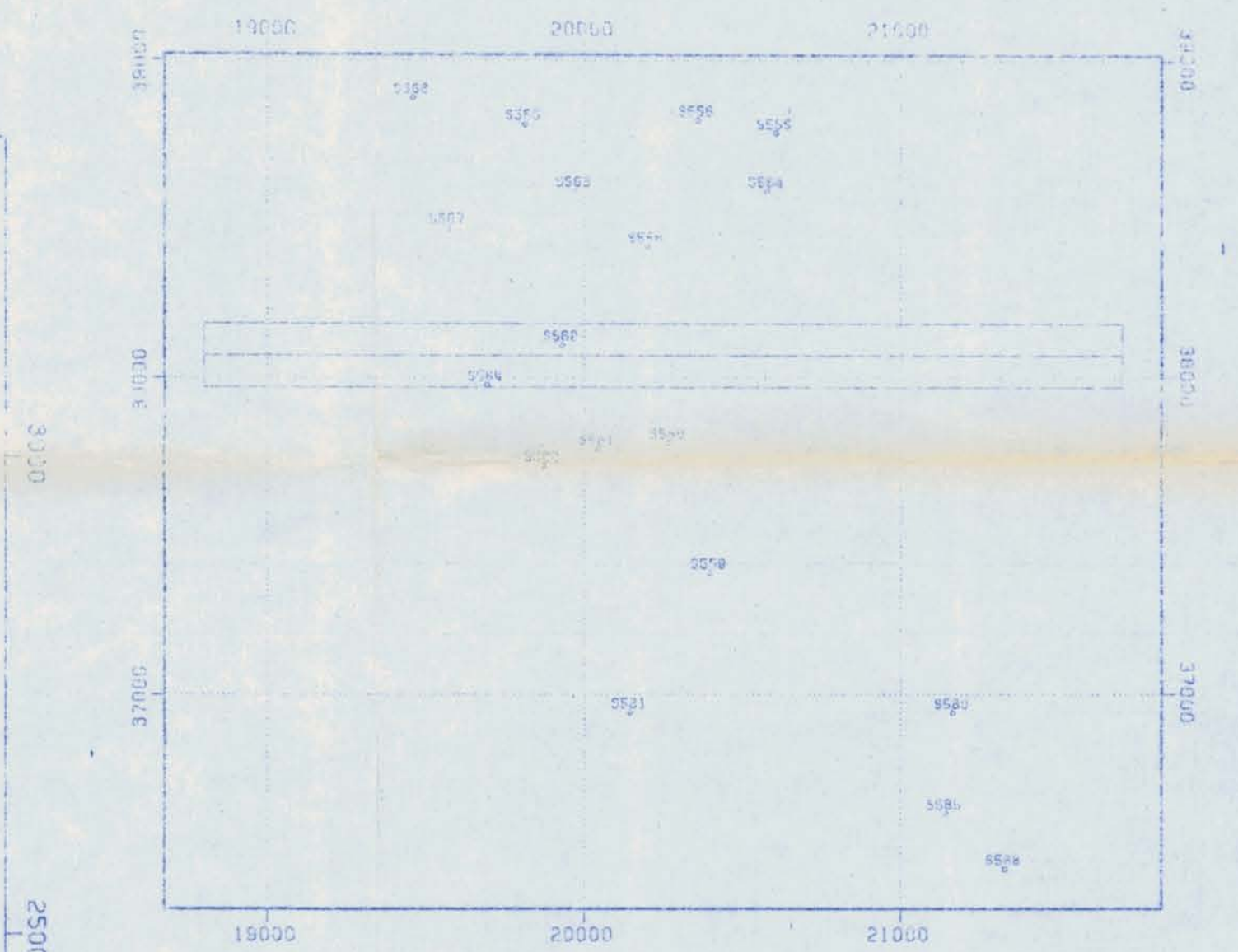
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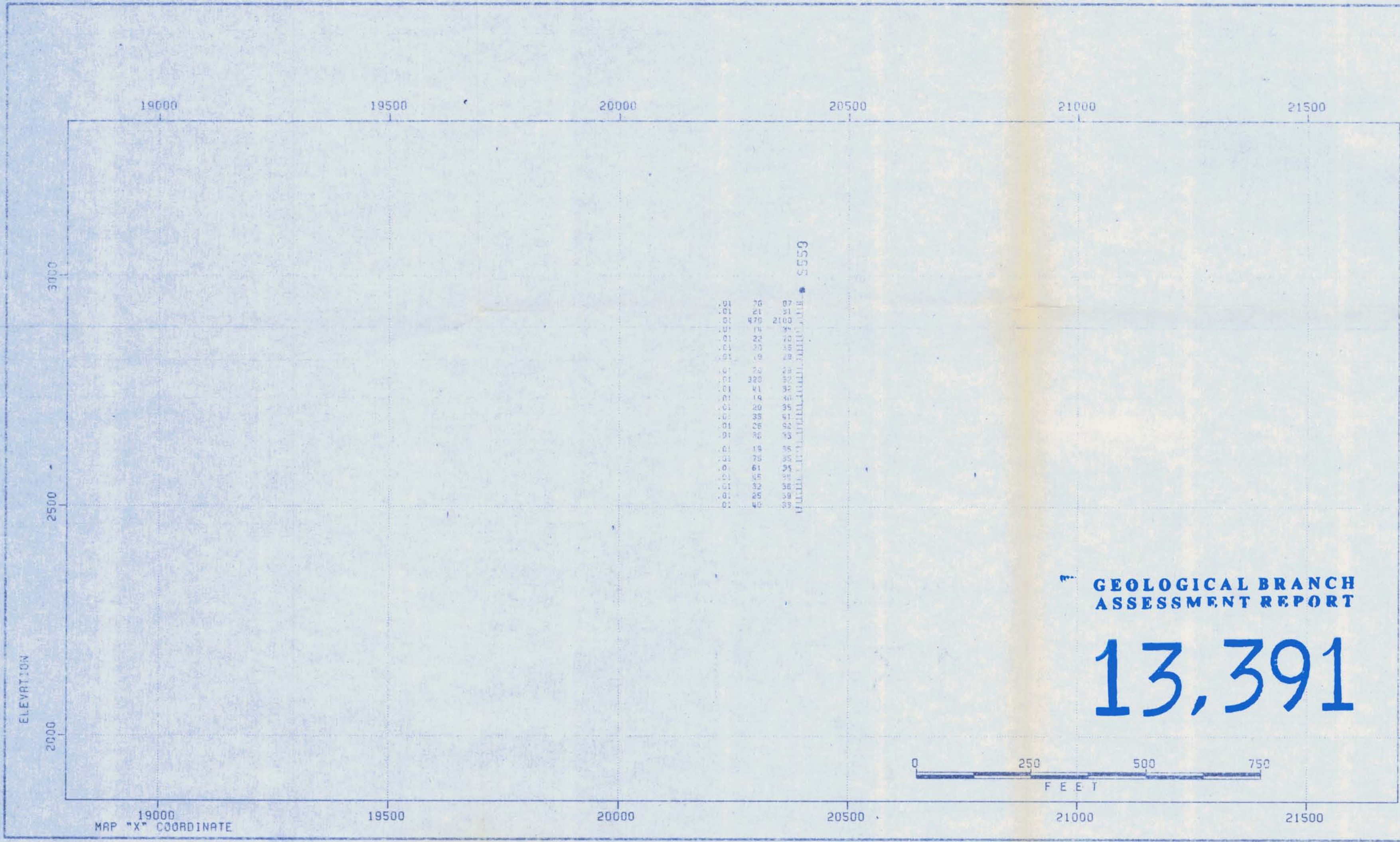
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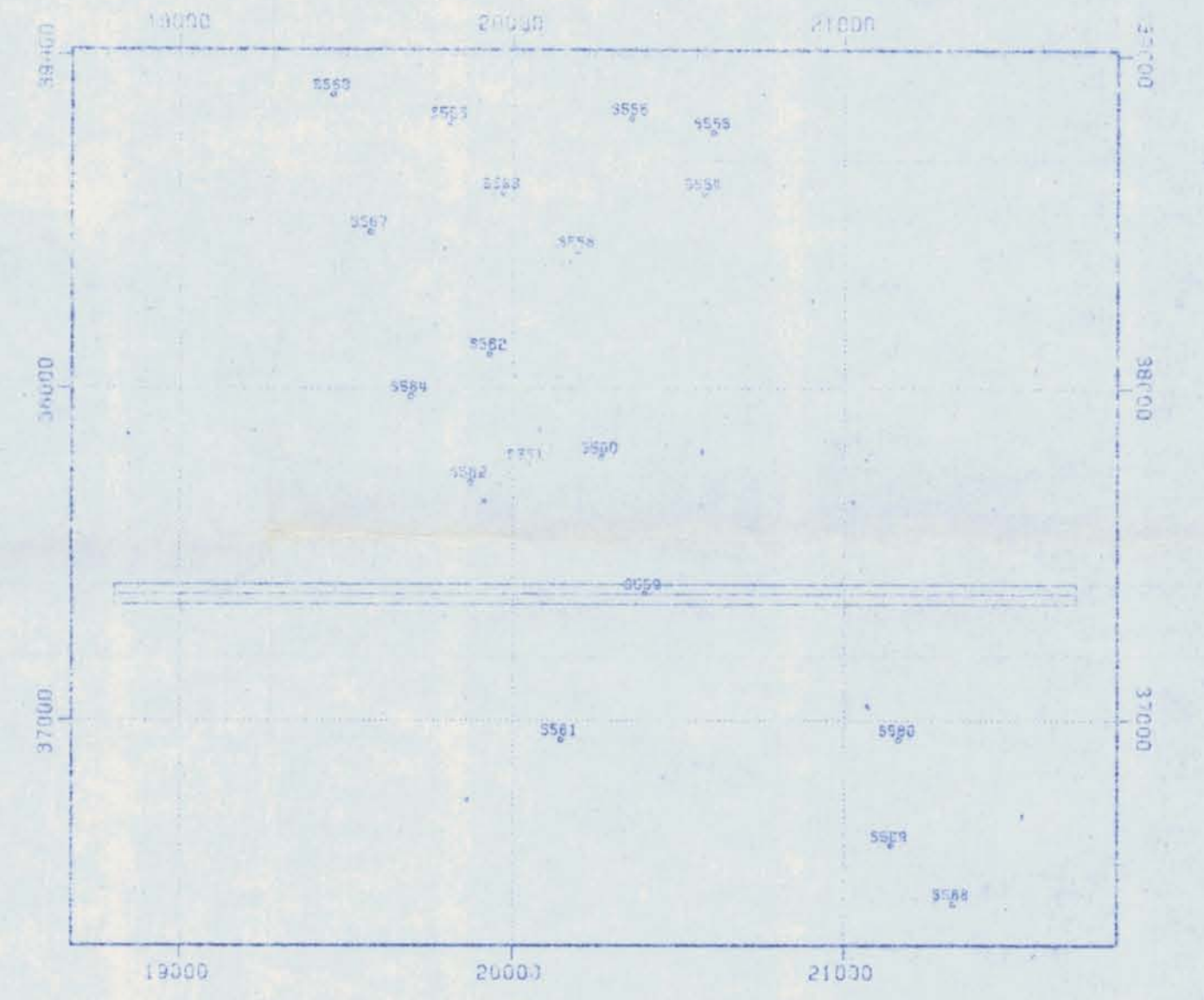
Paul Buckley P. Eng

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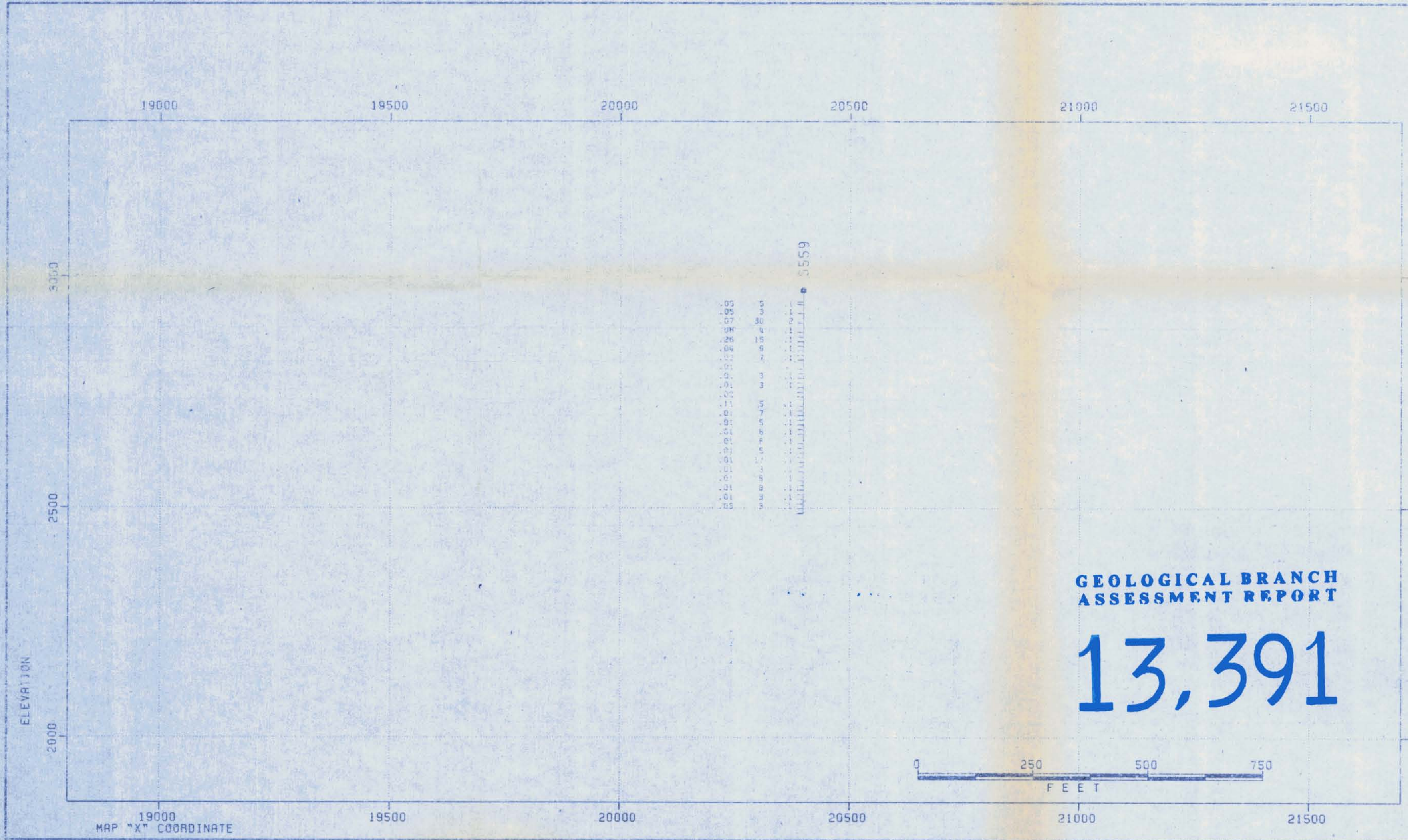
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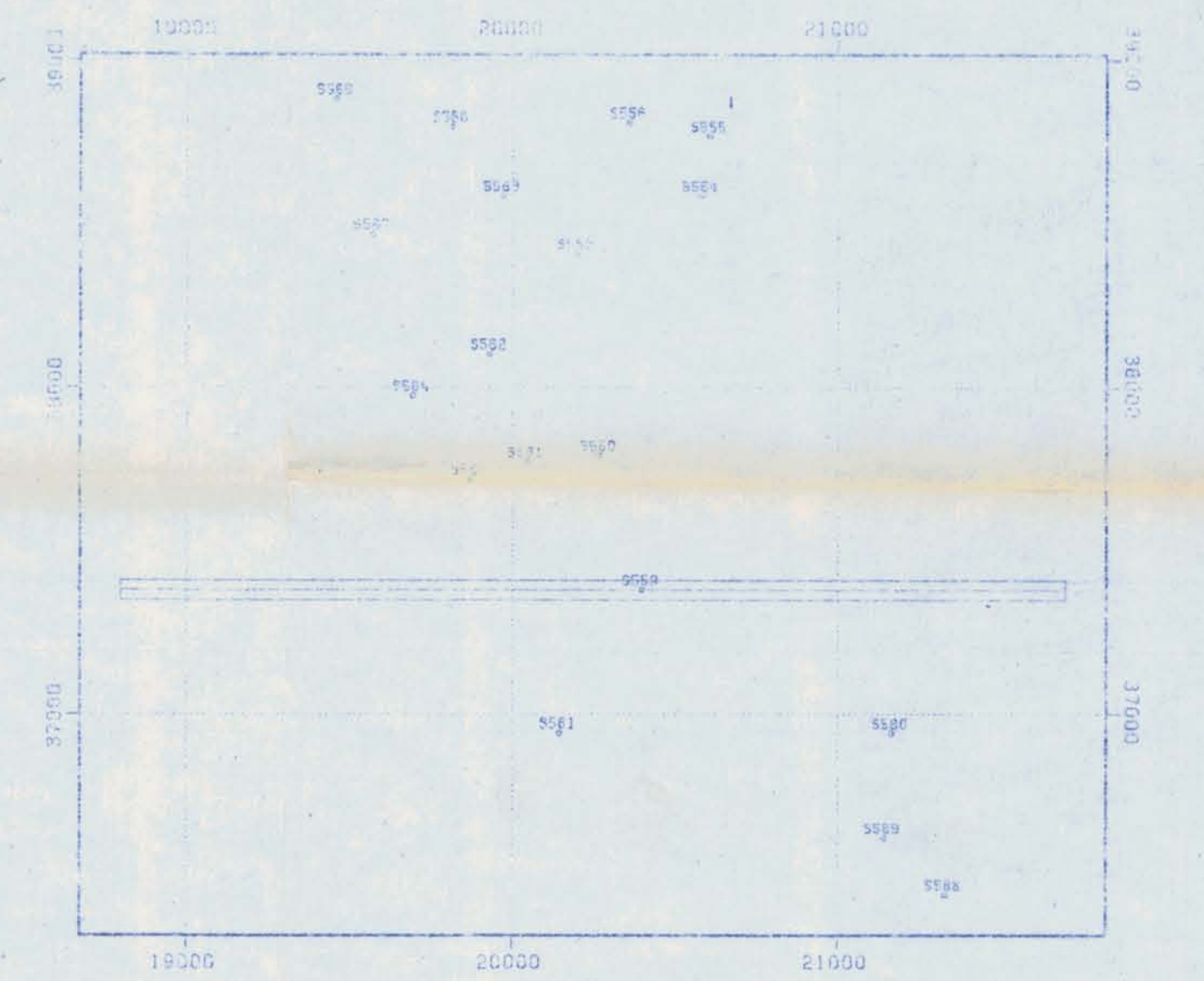
Paul Buckley P. Eng

PLACER DEVELOPMENT LIMITED	
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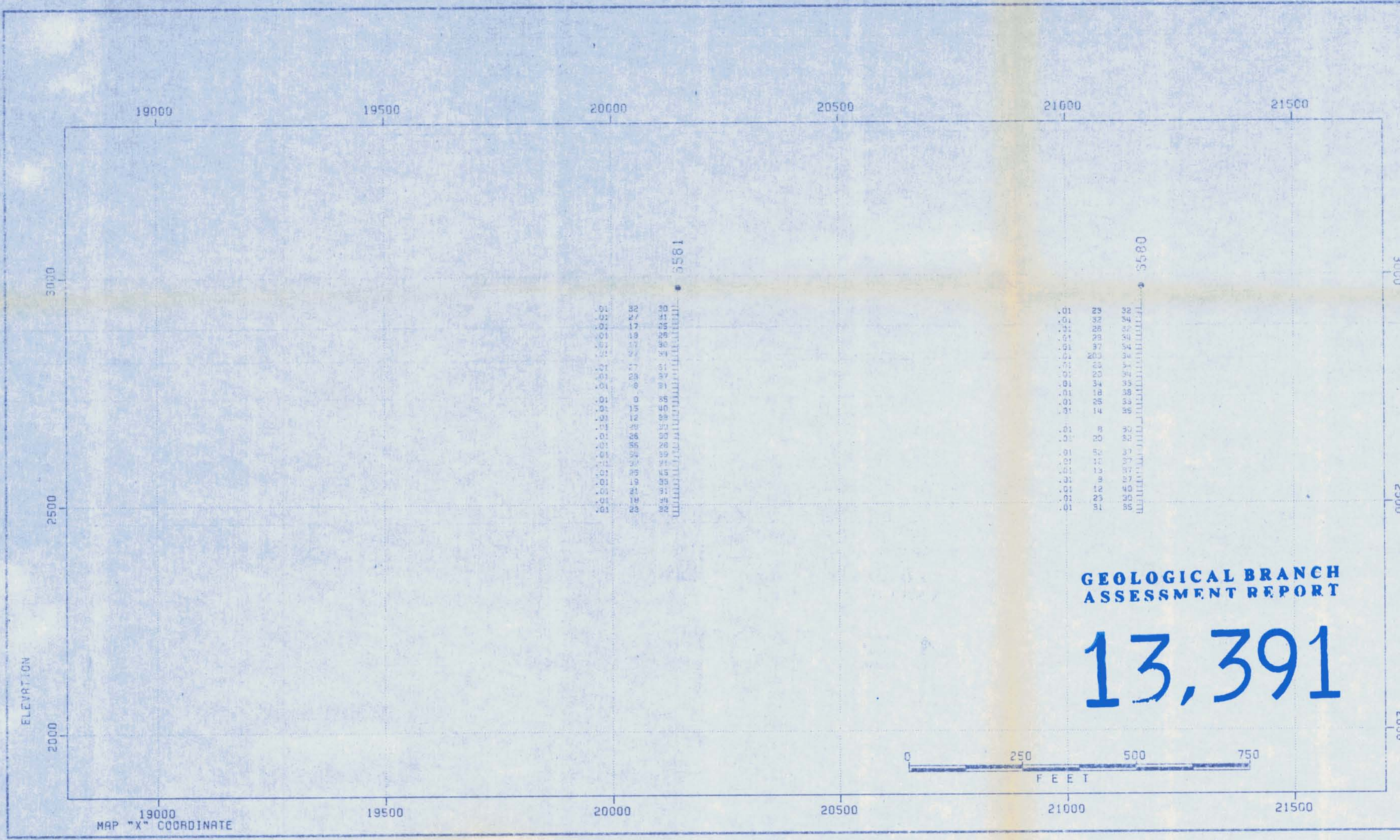
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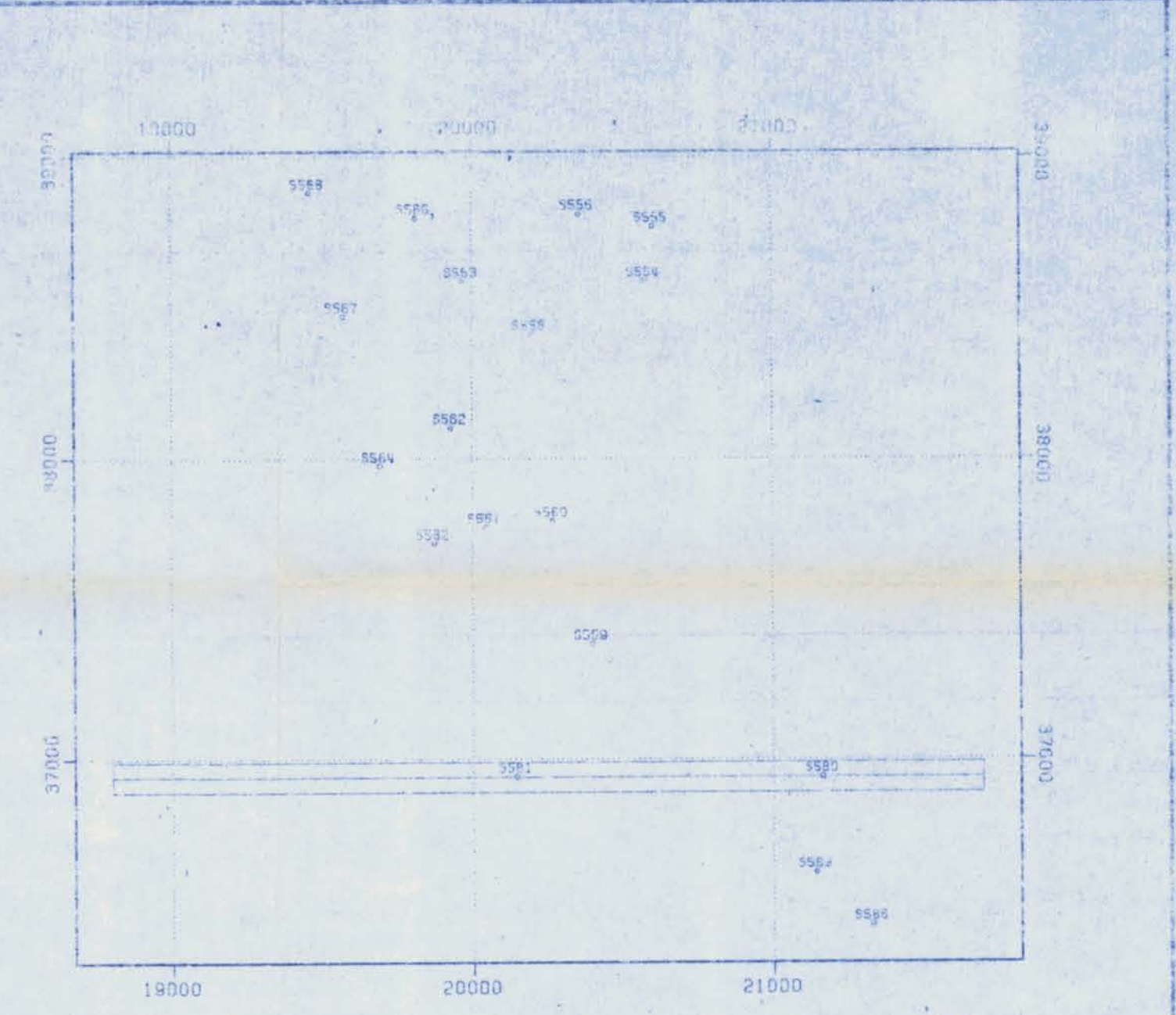
Paul Buckley P. Eng

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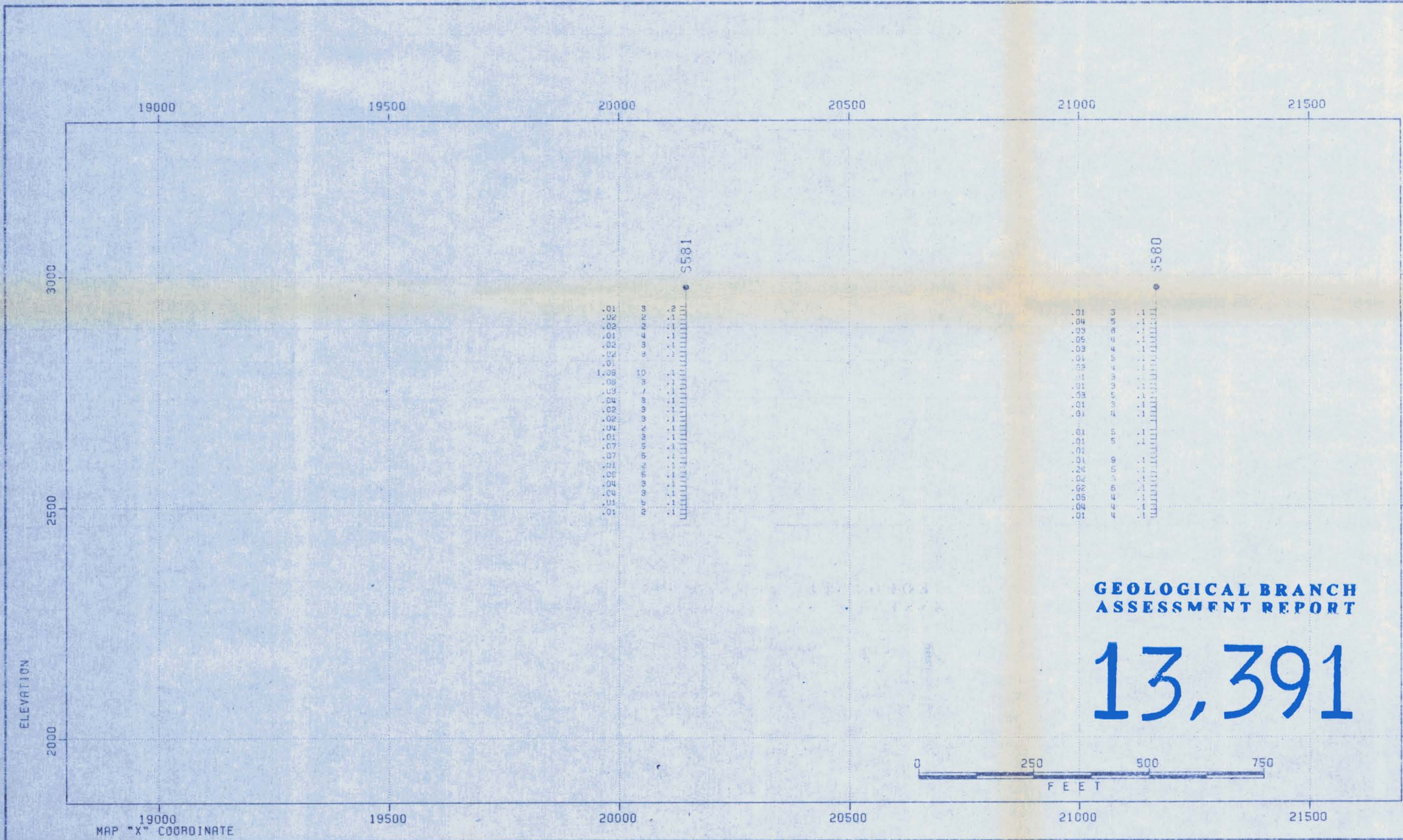
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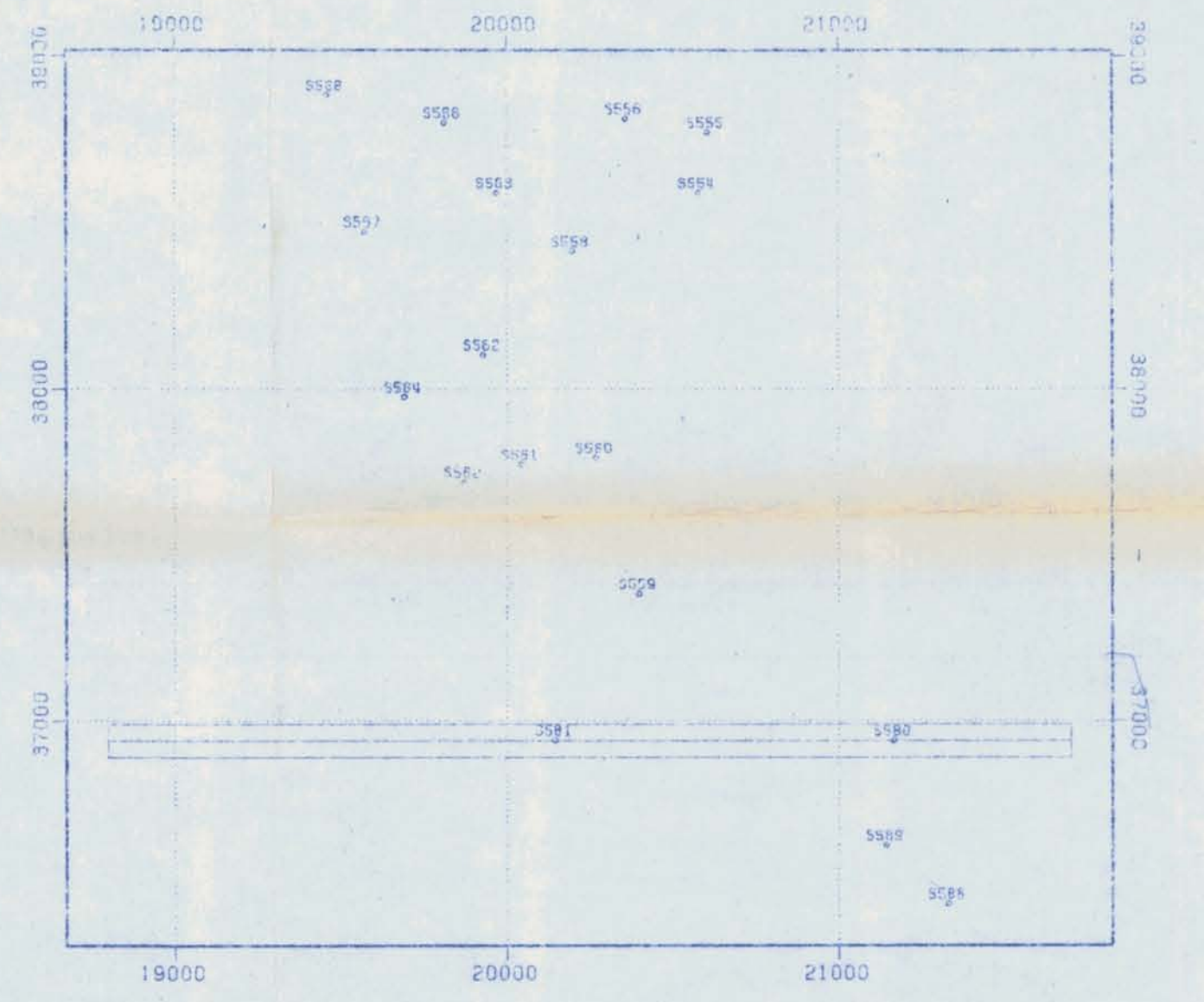
Paul Buckley P. Eng

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DATE 84/12/11		WATKINS CREEK 36940N AU, CU, ZN
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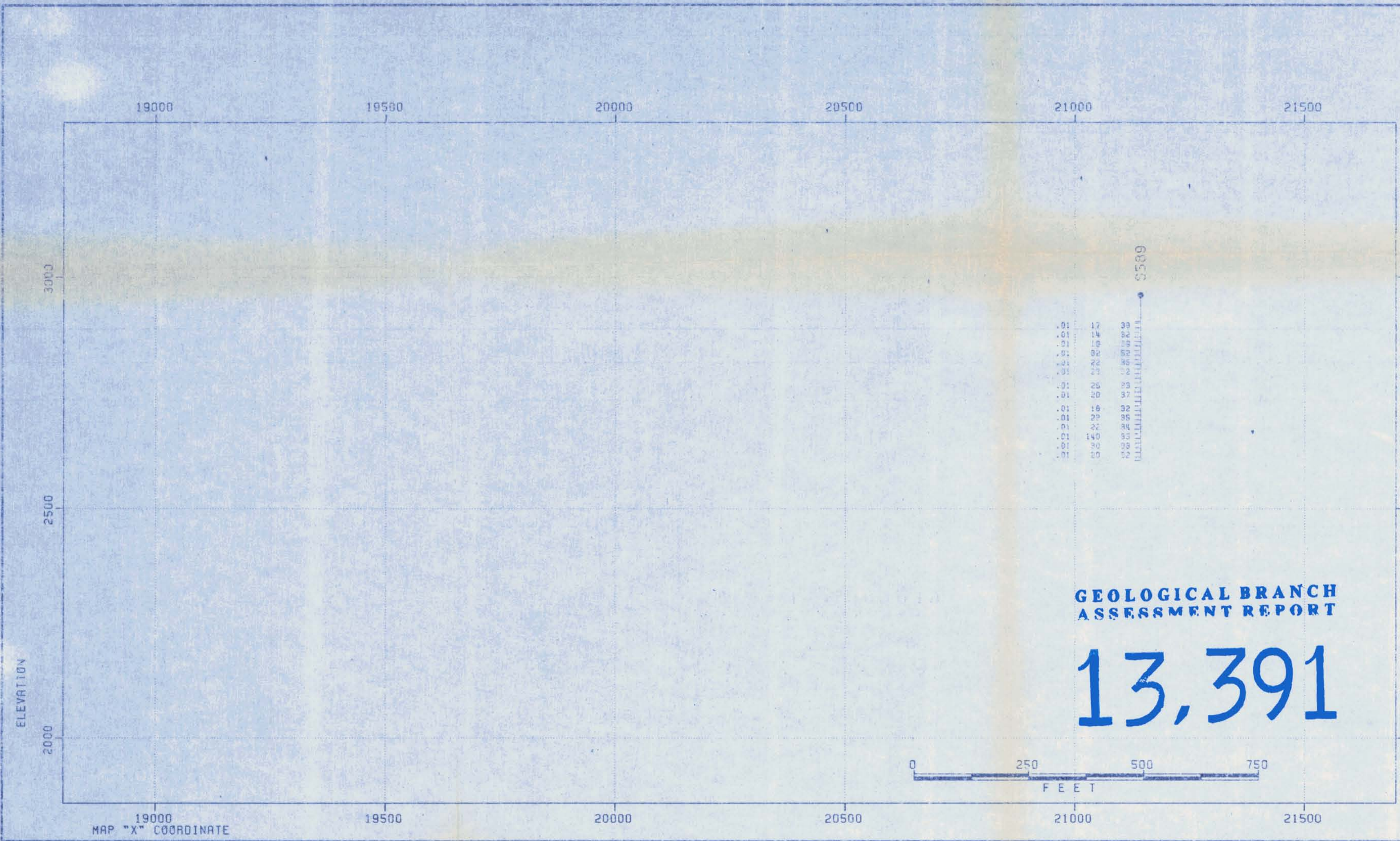
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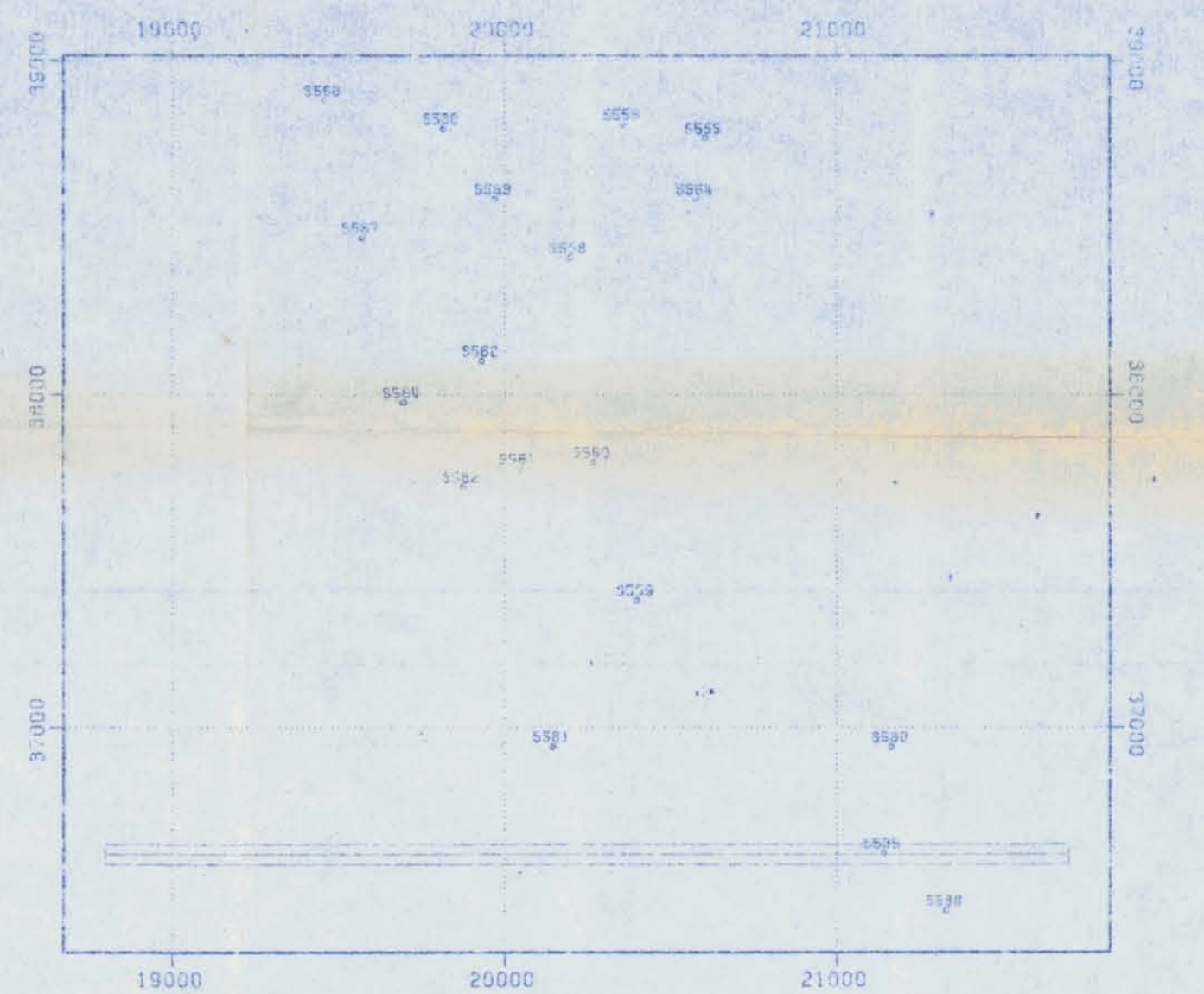
Paul Buckley P. Eng

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Paul Buckley P. Eng

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DATE 84/12/11		WATKINS CREEK 36620N AU, CU, ZN
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