

2P04NE0510 52P04NE0011A1 ACHAPI LAKE

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THE ALGOMA STEEL CORPORATION, LIMITED

GEOPHYSICAL REPORT MISEHKOW RIVER (ACHAPI LAKE AREA) PATRICIA MINING DIVISION

'TO ACCOMPANY TECHNICAL DATA STATEMENT TO THE ONTARIO DEPARTMENT OF MINES

> J. E. GRAY GEOLOGICAL TECHNICIAN EXPLORATION

> > JULY 11, 1978

2.2751

THE ALGOMA STEEL CORPERATION, LIMITED

GEOPHYSICAL REPORT MISEHKOW RIVER (ACHAPI LAKE AREA) PATRICIA MINING DIVISION

Location and Access

The claims are located approximately 36 miles southeast of Pickle Lake, Ontario. The claims are accessible by aircraft.

Claim Status

The claims are held by The Algoma Steel Corporation, Limited, 503 Queen Street East, Sault Ste. Marie, Ontario P6A 5P2. They were acquired in March 1975 (8) and August 1978 (1).

Reason for Survey

To investigate area for magnetic horizons. Check airborne anomaly on the ground. The entire claim block was surveyed.

Previous Work Done

Evidence of old cross sectional lines, claim lines were noted.

Topography

Sharp inclines of rock formation are located north of Misehkow River. South side of the river consists mainly of Jackpine, ridges with Cedar and Alder swails.

Geology

Considerable amounts of outcrops were recorded north of Mischkow river and along the north shore of the river. Few outcrops are located on the south shore in the vicinity of cross sections 80+00W, 76+00W and 72+00W. A small outcrop of iron formation is located on cross section 16+00W, 4+00S.

No detailed geological survey was carried out.

Results of Survey

A magnetic horizon measuring approximately 8,000 feet in length and averaging 300 feet in width was outlined (see accompanying plans).

JULY 11, 1478

J.E. GRAZ GEULOGICAL TECHNILIA: EXPLORATION

Method of Survey

A line grid was laid out (see accompanying plans). The grid totalled approximately 10.6 miles of cross sectional and base line. Cross sectional lines were turned off 90° from an established base line. Cross sectional lines were at 400 foot intervals. Chainage pickets were established at 100 foot intervals along cross sectional lines. Magnetometer readings were taken at 20 foot intervals along the cross lines and portion of the base line. A total of 2,166 readings were recorded.

Personnel

Engineering and supervision was carried out by E. O. Hillman, P. O. Box 895, Hearst, Ontario POL 1NO

Magnetometer surveying was carried out by J. E. Gray, 39 Pageant Drive, Sault Ste. Marie, Ontario P6B 5J7

Type of Instrument Used

McPhar M-700 1965 Vertical Force Fluxgate Magnetometer. Sensitivity of the instrument 10 gammas per scale division on the 1K range.

Dates

Survey dates were as follows:

Line cutting	and chaining	-	March	16	-	26,	1978
Magnetometer	surveying	-	April	3	8	4,	1978
Draughting			June 2	27,	28	, 29	9, 1978
			July 4	1, 5	5,	6, 1	1978

I certify the information contained herein is true and correct.

J. E. Gray,

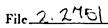
Geological Technician.

July 11, 1978



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GEOPHYSICAL -- GEOLOGICAL -- GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey M-700 Flux	gate Magnetom	leter				
Township or Area Achapi Lak	e M2484	r		<u> </u>		
Claim holder(s) The Algoma Steel Corporation, Limited			MINING CLAIMS TRAVERSED List numerically			
Exploration De 503 Queen St.	partment	WARE A CORL	List nur	nerically		
Author of Report J. E. Gray	Y	GA LAL	Pa	396085 -		
Address 39 Pageant Drive, Line cu Covering Dates of Survey Mag.sur	tting March 1 vey April 3 6	6-26/78	(prefix) Pa	(number) 396086		
Office June 27-29/78 (lin	ecutting to office) July	4-6/78	Pa	396087 :		
r			Pa	396088 /		
<u>SPECIAL PROVISIONS</u> CREDITS REQUESTED	Geophysicał	DAYS per claim	Pa	396089 -		
	Electromagnetic		Ра	396090 +		
ENTER 40 days (includes line cutting) for first	Magnetometer	1	Pa	396091 -		
SURVEY.	Radiometric Other]]	Ра	3960 <i>32 °</i>		
ENTER 20 days for each additional survey using	Ceological		Pa	466735		
same grid.	Geochemical					
MRBORNE CREDITS (Special provisio	on credits do not apply to a	airborne surveys)				
The Algo	ysperclaim) Ma Steel Corp	p rati on,Ltd.				
DATE: July 11/78 SIGNAT	TURE: Per: //	cport or Agent				
PROJECTS SECTION (199)						
Res. Geol.	Qualifications					
Previous Surveys						
Checked by	date					
GEOLOGICAL BRANCH						
Approved by	date					
GEOLOGIÇAL BRANCH						
Approved by			TOTAL CLAIMS	9		

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

<u>GROUND SURVEYS</u>			•	
Number of Stations	2,166		Number of Readings.	2,166
Station interval 25	feet			
40	0 feet			
Profile scale or Contou	r intervals 15,20,40,	60,80,100	gamma contour li	nes
	(specify	y for each type of surve	cy)	
MAGNETIC				
McPhar Instrument	M-700 Fluxgate M			
Accuracy - Scale const	ant	scale div.	on the 1K Range	
Diurnal correction me	thod Not used			
Base station location_	campyard	·		
ELECTROMAGNETI	<u>C</u>			
Instrument				···
Coil configuration				
Coil separation				
Accuracy				
Method:	🗇 Fixed transmitter	🔲 Shoot E	oack 🗌 In line	Parallel line
Frequency				
Parameters measured		(specify V.L.F. sta		
<u>GRAVITY</u>				
Instrument				
Base station value and	l location		· · · · · · · · · · · · · · · · · · ·	ν'
<u>, ,</u>				
Elevation accuracy			, 	· · · · · · · · · · · · · · · · · · ·
-	ATION - RESISTIVITY			
Instrument				
Time domain		Fre	equency domain	
Frequency		Ra	ng e	
Power		· · · · · · · · · · · · · · · · · · ·		
Electrode array			······································	
Electrode spacing				
Type of electrode				
e des	· · · ·			

	P	2.2751
	Ontario	
	Ministry of N Natural	otification of recording
	Resources o	assessment work credits
	Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3	AND CONTRACTOR
	Date of recording of work: July 20,	1978
	Recorded holder: The Algoma Steel (Corporation, Limited
	Address: Sault Ste, Marie,	
	Township or Area: Achapi Lake M-	
	Type of survey and number of Assessment days credit per claim	Mining claims
	Geophysical Electromagneticd Magnetometer40d	Pa. 396085-92 incl. Pa. 466735
		ays
		ays
		ays
	Geochemicald	ays
	Man days 🗌 🛛 Airborne 🕻	
	Special provision 🗌 Ground [8
	Notice to recorded holder:	Q. AIR.
	Survey reports and maps in duplicate be subm to the Lands Administration Branch, Toronto in 60 days from the date of recording of this w	vith. The Algoma Steel Corporation
	Reports and maps are being forwarded to the L Administration Branch with this letter.	ands Sept. 8/1718
	792 (6/77)	JM

Ministry of Natural Resources	Lands Administration Branch	Projects Unit	Technical Assessmer Work Credits	File 2.2751
Recorded Holder	The Algoma Stee	l Corporatio	on. Limited	• .
Township or A:es	Achapi Lake		·	
Type of survey a		1		
Assessment days Geophysical	credit per claim		Mining Claims	
Electromagnetic	days	Pa.	96085 to 92 inclusive	
Magnetometer40			66735	
Radiometric				
Induced polarization				
Section 85 (18)				
Geological				
	-			
Geochemical				
Man days 🔲	Airborne			
Special provision 🛛	Ground 🕅			• ·
Nolice of Intent to be iss		-		
Credits have been reduced of claims.				
Credits have been reduct to work dates and figures	ed because of corrections s of applicant.			
	ellowed for the following y ware not sufficiently			
Germanik (1997)				
	n gan an di tain ta ang mang ang ang ang ang ang ang ang ang ang			-
-				
				-
ne Mining Recorder may reduc ach claim does not exceed th arm (A. 10) (10, 74	ce the above credits if he le maximum allowed as f	cessary in order t ollows: Geophysic	hat the total number of approved asse cal 80; Geological 40; Geochemi	issment days recorded on cai 40;
ann a' ann agus ann àr Christean an ann an an an	алан н ан сарын	an an the second and the second and the second s	يې بې بېله مې د دې د د د د د د د د د د د د د د د د	a na jarijan jana kuma njednost na sanan na na polatika ka na polatika.

Ontario

Your file:

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Our file: 2.2751

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Ministry of Natural Resources

Mr. Albert Hanson Mining Recorder Ministry of Natural Resources P.O. Box 669, Court House Sioux Lookout, Ontario POV 2TO

Dear Sir:

Re: Mining Claims Pa. 396085 et al. Achapi Lake File 2.2751

The Geophysical (Magnetometer) assessment work credits as shown on the attached statement have been <u>approved</u> as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

🔨 Yours very truly,

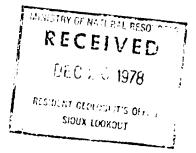
J.R. Morton Acting Director Lands Administration Branch

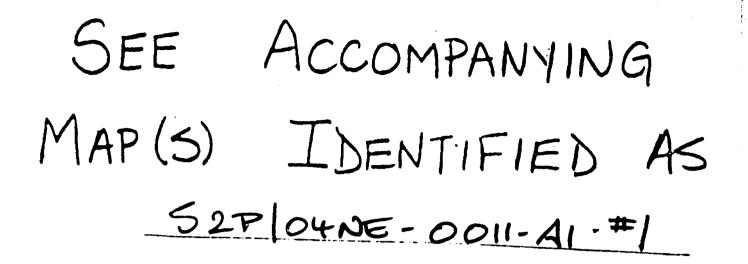
Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: 416/965-6918

DN:ie

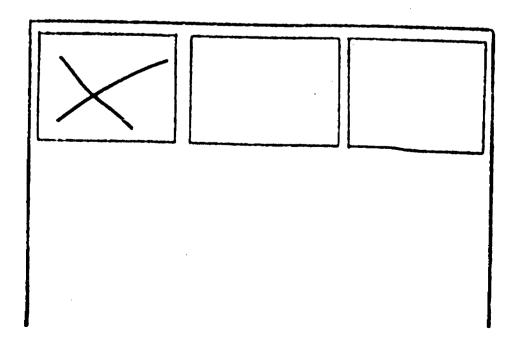
cc: The Algoma Steel Corporation, Limited Sault Ste. Marie, Ontario Attn: Mr. J.E. Gray

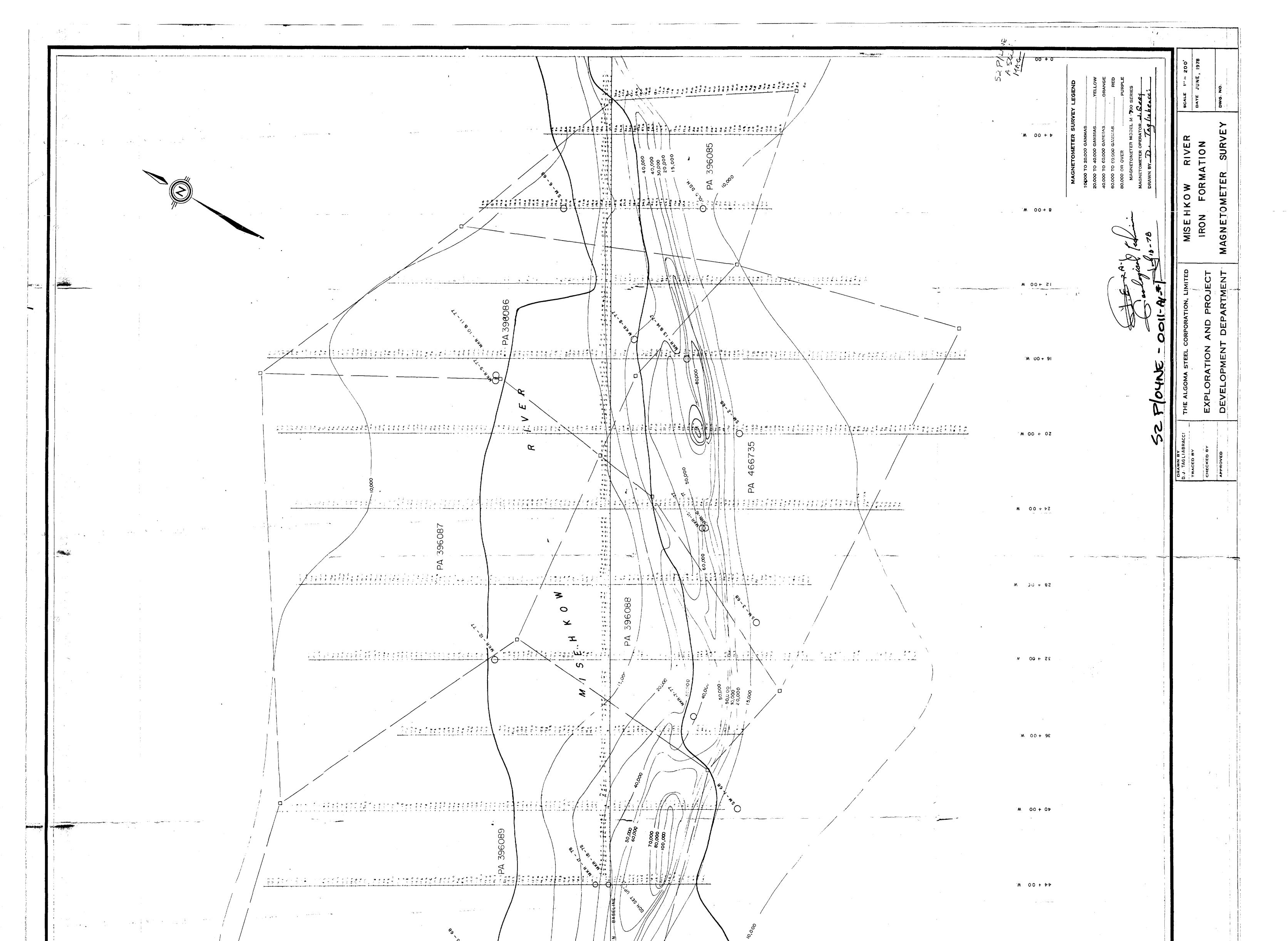
> Resident Geologist Sioux Lookout, Ontario

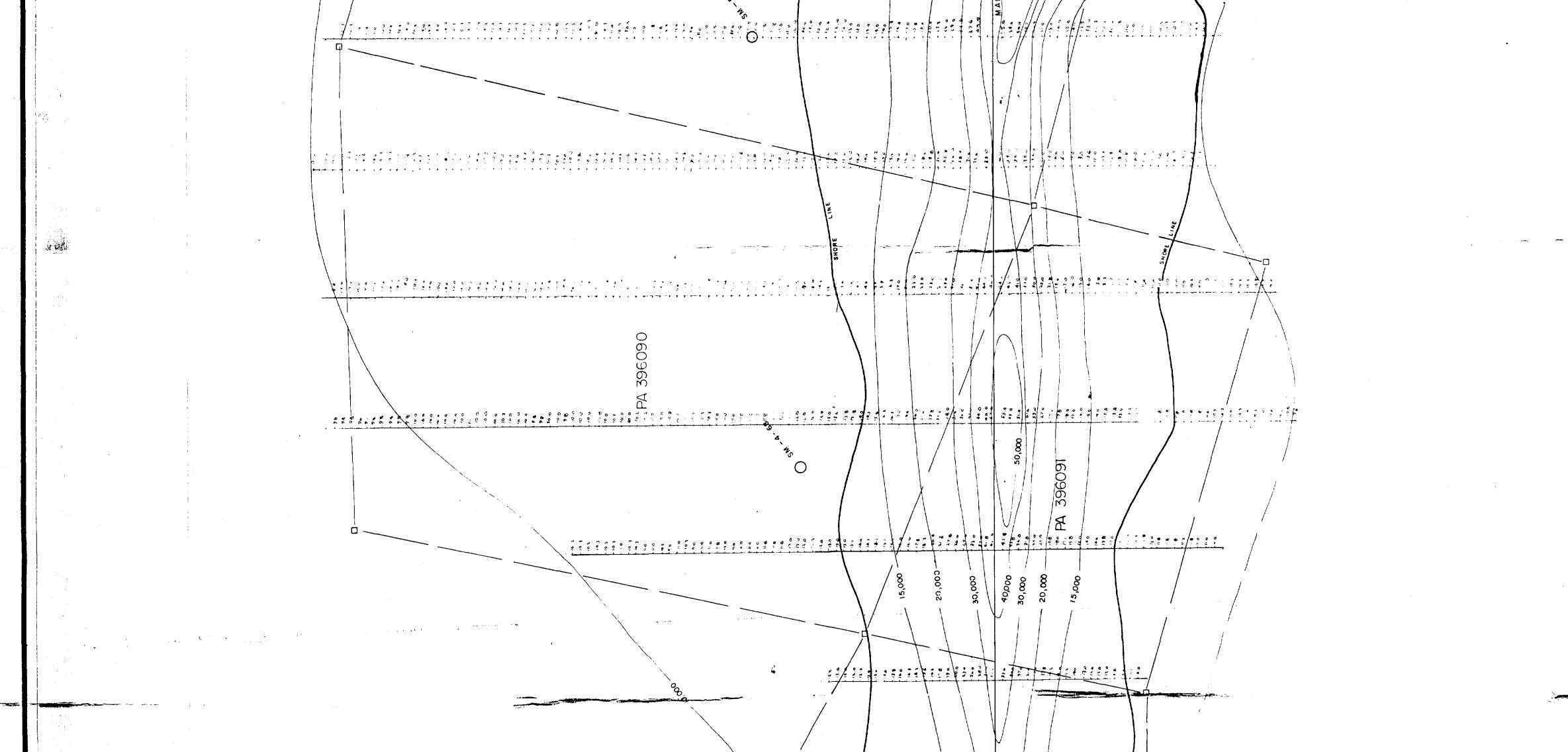




LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE (X)







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W 00 +84

/M 00 ± 09

W 00+ +9 . . .

M 00+89



