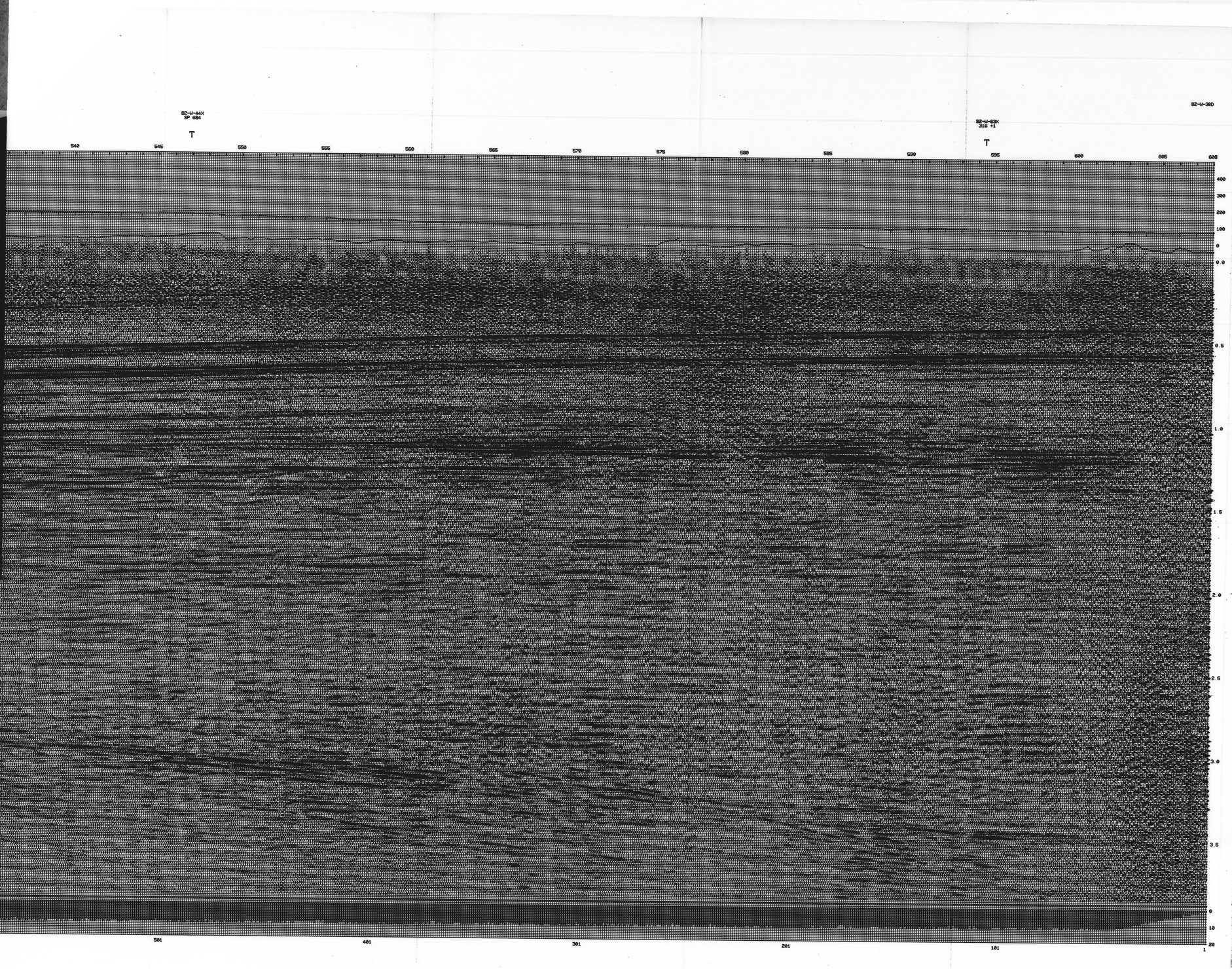


24 C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY, ALBERTA

FLAG

LINE: 82-W-30D TYPE: S-NP
DIRECTION → E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96E
CLIENT: PETRO-CANADA EXPLORATION INC.

SURFACE ELEVATIONS

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 2/82

SPREAD: 1584 m.-33m. x 33m.-1584 m.
SOURCE: 2 kg. at 18 m.
RECEIVERS: GEOSPACE 20D, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL: 132 m. GROUP INTERVAL: 33m.

SURFACE IN TIME

AMPLIFIERS: DFS V FIELD FILTER: 8-128 Hz. NOTCH OUT
GAIN MODE: IFP TAPE FORMAT: SEG B

PROCESSED AT GEO-X DATE: 3/82

1 DIGITAL CONVERSION SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY $At^{e=1}$

PREFILTER
3 DECONVOLUTION TYPE: SPIKING
OPERATOR LENGTH: 60 ms. PREWHITENING: 1%
DESIGN GATE: 400-2400 ms. SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY: 3506 m./sec.
PROCESSING DATUM -100 ms.
[X] ELEVATIONS [X] WEATHERING [X] DRIFT
10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS
5 11 MOVEOUT [5] PRELIMINARY [11] FINAL
6 SCALING
7 12 STATICS [7] SURFACE STACK RESIDUAL
[12] CROSS CORRELATION
[ ]
8 WORK SECTION DISPLAY
9 TRACE KILLS
13 MUTE DISTANCE (m.) 314 924 3168
TIME (ms.) 300 550-650 1700
14 GATHER FOLD 12
15 STACK STACK REEL
16 FILTER (16) 12/16-80/90 Hz, 0-2500 ms
( ) 12/16-50/60 Hz, 2500-4000 ms
( )
17 ADDITIONAL PROCESSING
(17) LINEAR, RAMP SCALING
TIME 0-130, 250-1600, 2300, 3000-4000
% SCALER 70, 100, 120, 250
18 EQUALIZATION 400-2400 ms

VELOCITY TABULATION FROM PROCESSING DATUM

SAMMON'S CREEK 82-W-30D SP 595

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
276	3315	245.1 1584	4195	288	2985
541	3138	100.3 1584	4130	557	3177
599	3523	110.3 1584	4623	819	3181
862	4587	59.9 1584	6841	1198	3448
1196	4595	58.6 1584	6843	1647	4018
1258	4446	48.7 1584	5293	1847	4298
1479	4424	42.8 1584	5083	2147	4294
1584	4469	39.1 1584	4986	2436	4291
1796	4458	34.9 1584	4769	2629	4307
1957	4457	32.5 1584	4877	4167	4319
4000	5590	10.4 1584	6316	10705	5362

SAMMON'S CREEK 82-W-30D SP 565

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
255	3116	250.1 1584	3116	488	3116
509	3144	126.6 1584	3829	967	3044
764	3232	128.0 1584	3839	1455	3092
1019	3322	118.1 1584	4159	1970	3303
1033	4495	88.3 1584	4429	2498	4421
1134	4583	53.6 1584	4158	2698	4457
1253	4528	47.6 1584	4412	2925	4461
1486	4592	41.1 1584	4361	3239	4369
1613	4981	37.1 1584	5669	3502	4417
1794	4555	33.5 1584	4933	3535	4461
1971	4563	30.3 1584	4321	4257	4461
4000	5590	10.4 1584	6277	10756	5378

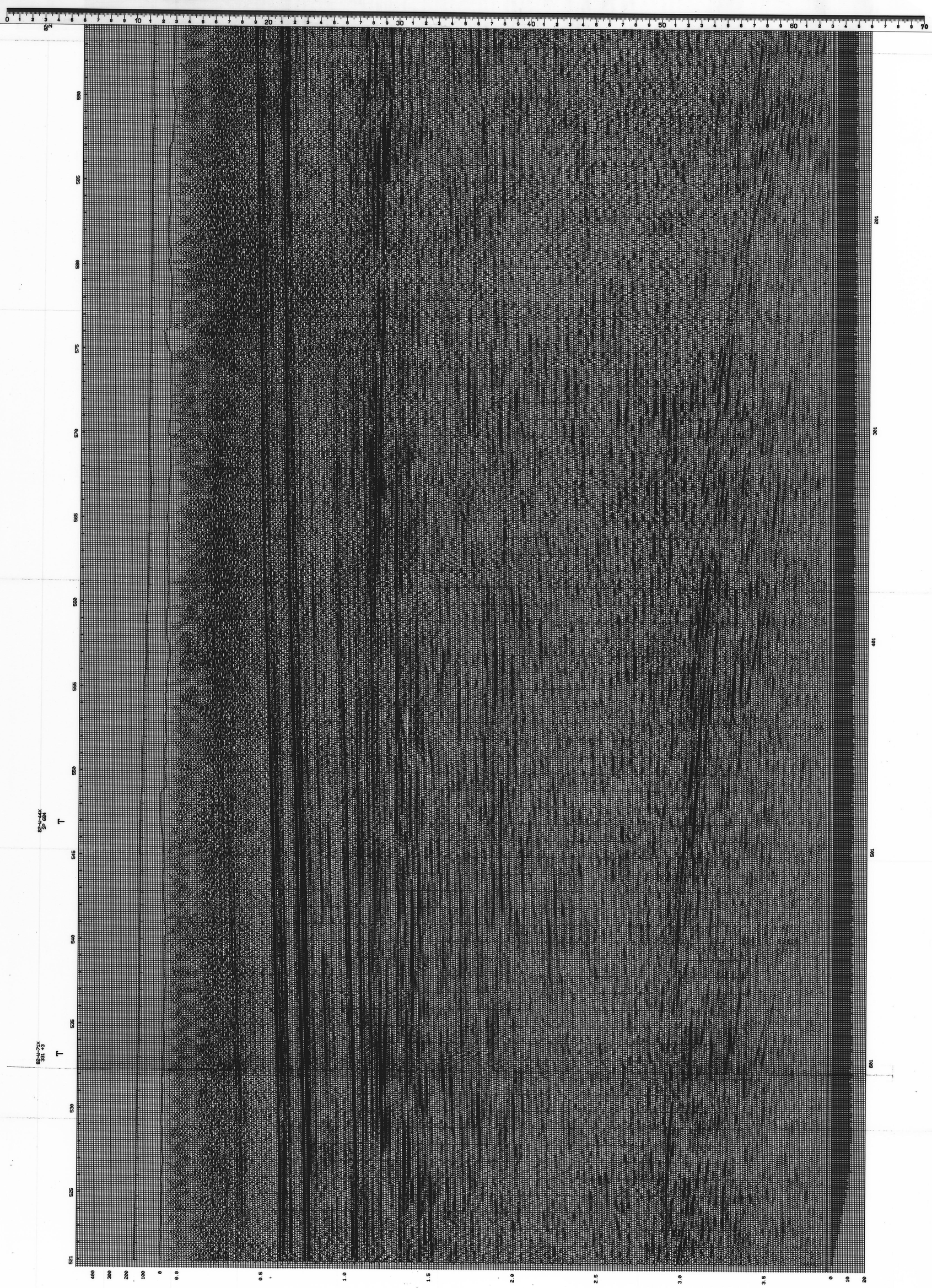
SAMMON'S CREEK 82-W-30D SP 530

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
182	3343	236.1 1584	3352	548	3352
362	3343	131.8 1584	3352	272	3343
542	3343	131.8 1584	3352	1636	3343
855	3741	98.9 1584	4626	1636	3714
1145	4429	63.6 1584	6169	2408	4293
1217	4418	51.7 1584	3418	2626	4293
1319	4369	49.5 1584	3486	2944	4293
1487	4324	44.6 1584	4466	3121	4291
1615	4363	40.5 1584	4676	3453	4299
1792	4429	36.4 1584	4866	3854	4313
2067	4489	30.9 1584	4961	4397	4381
4000	5590	10.4 1584	6364	10738	5369

[redacted]

78-117

terra survey
2360 Walkley Rd. Ottawa, Ont.
Tel: (613) 731-9571
Telex: 053-3602 Cable: TERRA
PROJ. NO. 24 C-06-05-115
LINE NO. 82-W-30D
PART NO. 1 OF 2
R.R. 8X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

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