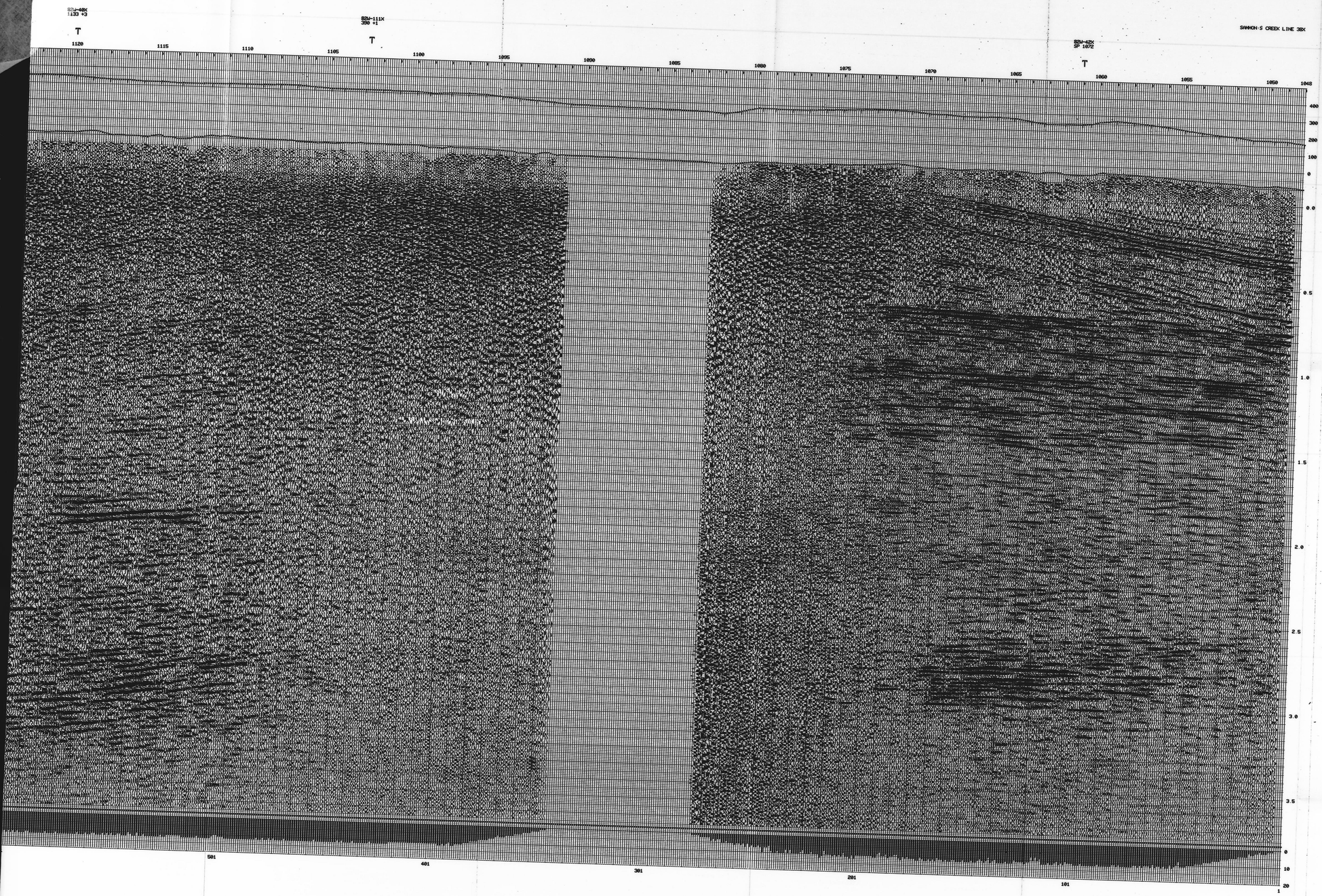


24C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-38X TYPE: S-NP
DIRECTION ——→ E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96E/106H
CLIENT: PETRO-CANADA EXPLORATION INC.

FLAG

SURFACE ELEVATIONS

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 3/82

SPREAD: 1584 m - 33m. x 33m. - 1584 m.
SOURCE: 2 kg. at 18 m.
RECEIVERS: GEOSPACE 20D, 10Hz, 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: 6/82

1 DIGITAL CONVERSION: SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY $At^{1.5}$

PREFILTER
3 DECONVOLUTION: TYPE: SPIKING
OPERATOR LENGTH 60 ms. PREWHITENING 1%
DESIGN GATE 400-2600 ms. SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY 3506 m./sec.
PROCESSING DATUM -160 m.s.
☒ ELEVATIONS ☒ WEATHERING ☒ 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 3188
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
NEAR RAMP SCALING
TIME 0-130, 250-1600, 2300, 3000-4000
% SCALE 70, 100, 120, 250
18 EQUALIZATION 400-2400 ms

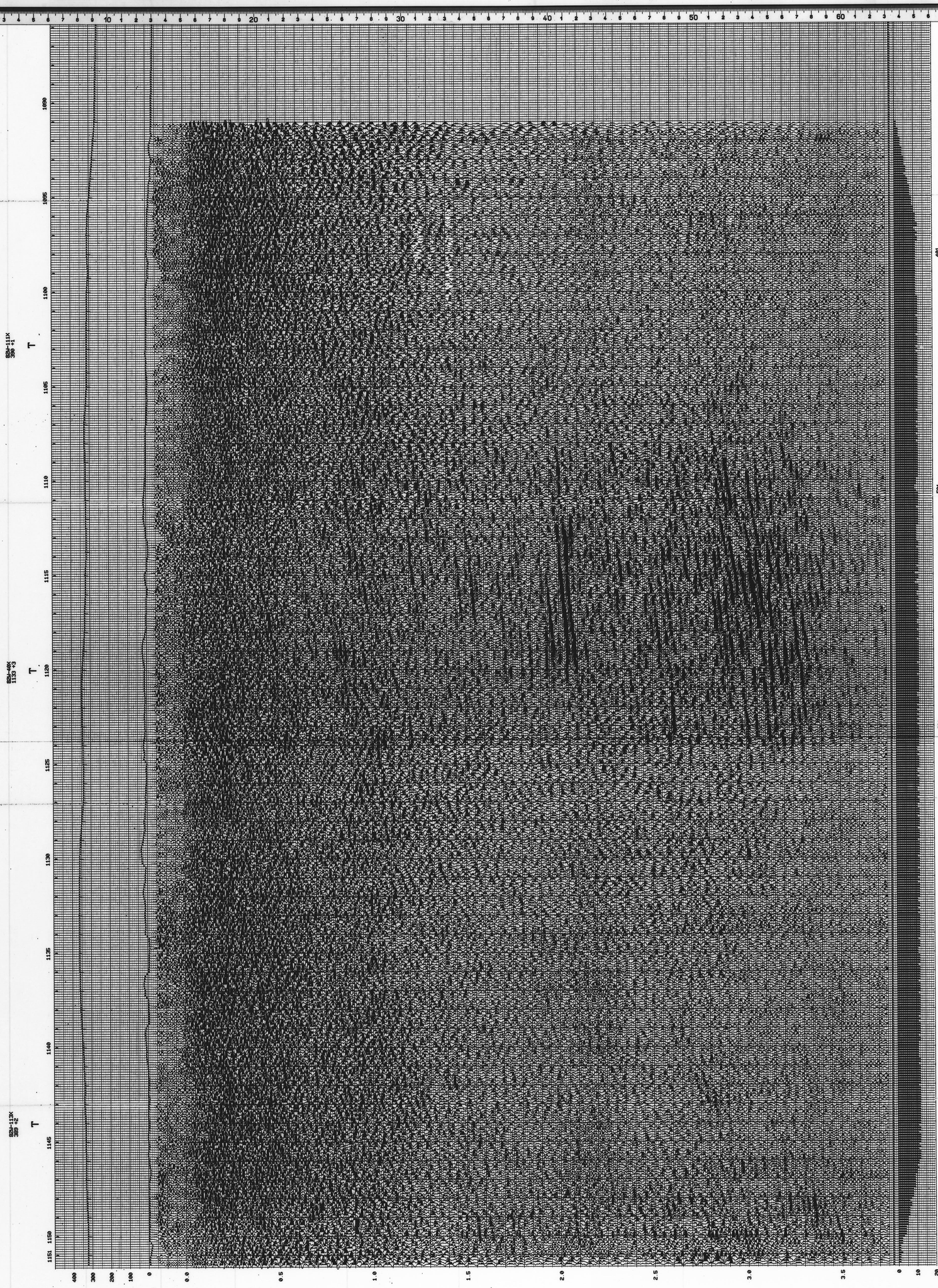
VELOCITY TABULATION FROM PROCESSING DATUM

[redacted]

2080 Wilkley Rd. Ottawa, Ont. Canada K1G 3P5 Tel: (613) 731-8571 Telex: 053-3602 Cable: TERRA
PROJ. NO. 2 0 0 0 0 1 1 0
LINE NO. 8 2 - W - 3 8 X
PART NO. 1 OF 2 R.R. 8

terra surveys ltd
2080 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 246-06-05-115 LINE NO. 82-W-38X PART NO. 2 OF 2 R.R. 8X



SHANNON'S CREEK LINE 82-W-38X STN 1050

TWO WAY TIME	RMS VELOCITY	DELTA-T AT INTERVAL VELOCITY	SUMMED AVERAGE VELOCITY
14	3174	4577 1984	3174
38	3322	995 1984	3248
64	3362	1198 1984	3303
89	3422	1272 1984	3343
114	3492	1418 1984	3383
139	3558	1548 1984	3420
164	3618	1674 1984	3457
189	3672	1794 1984	3492
214	3718	1907 1984	3526
239	3757	2014 1984	3557
264	3790	2114 1984	3586
289	3817	2206 1984	3612
314	3839	2291 1984	3635
339	3857	2369 1984	3655
364	3872	2441 1984	3673
389	3884	2506 1984	3689
414	3894	2565 1984	3703
439	3902	2618 1984	3715
464	3908	2666 1984	3726
489	3913	2708 1984	3736
514	3917	2745 1984	3744
539	3920	2777 1984	3751
564	3922	2804 1984	3757
589	3923	2826 1984	3762
614	3924	2843 1984	3766
639	3924	2856 1984	3769
664	3924	2864 1984	3771
689	3923	2868 1984	3772

SHANNON'S CREEK LINE 82-W-38X STN 1070

TWO WAY TIME	RMS VELOCITY	DELTA-T AT INTERVAL VELOCITY	SUMMED AVERAGE VELOCITY
14	3091	4491 1984	3091
38	3229	1180 1984	3160
63	3328	945 1984	3228
88	3397	802 1984	3283
113	3452	708 1984	3328
138	3497	639 1984	3367
163	3535	589 1984	3401
188	3567	550 1984	3431
213	3595	520 1984	3457
238	3619	495 1984	3480
263	3640	474 1984	3501
288	3658	457 1984	3519
313	3674	442 1984	3536
338	3688	429 1984	3551
363	3701	418 1984	3565
388	3712	408 1984	3578
413	3722	399 1984	3590
438	3731	391 1984	3601
463	3739	384 1984	3611
488	3746	378 1984	3620
513	3752	372 1984	3628
538	3757	367 1984	3636
563	3762	362 1984	3643
588	3766	358 1984	3650
613	3770	354 1984	3656
638	3773	351 1984	3662
663	3776	348 1984	3667
688	3778	345 1984	3672

SHANNON'S CREEK LINE 82-W-38X STN 1095

TWO WAY TIME	RMS VELOCITY	DELTA-T AT INTERVAL VELOCITY	SUMMED AVERAGE VELOCITY
14	3239	4278 1984	3239
38	3329	1188 1984	3284
63	3397	945 1984	3321
88	3452	802 1984	3353
113	3498	708 1984	3380
138	3537	639 1984	3405
163	3572	589 1984	3427
188	3602	550 1984	3447
213	3629	520 1984	3465
238	3653	495 1984	3481
263	3674	474 1984	3496
288	3693	457 1984	3510
313	3709	442 1984	3523
338	3723	429 1984	3535
363	3736	418 1984	3546
388	3747	408 1984	3556
413	3757	399 1984	3565
438	3766	391 1984	3574
463	3774	384 1984	3582
488	3781	378 1984	3589
513	3787	372 1984	3596
538	3792	367 1984	3602
563	3797	362 1984	3608
588	3801	358 1984	3613
613	3805	354 1984	3618
638	3808	351 1984	3623
663	3811	348 1984	3627
688	3813	345 1984	3631

SHANNON'S CREEK LINE 82-W-38X STN 1115

TWO WAY TIME	RMS VELOCITY	DELTA-T AT INTERVAL VELOCITY	SUMMED AVERAGE VELOCITY
14	3328	4278 1984	3328
38	3422	1188 1984	3375
63	3495	945 1984	3415
88	3557	802 1984	3450
113	3609	708 1984	3481
138	3654	639 1984	3508
163	3693	589 1984	3533
188	3727	550 1984	3556
213	3757	520 1984	3577
238	3784	495 1984	3596
263	3808	474 1984	3614
288	3829	457 1984	3630
313	3848	442 1984	3645
338	3864	429 1984	3659
363	3879	418 1984	3672
388	3892	408 1984	3684
413	3904	399 1984	3695
438	3914	391 1984	3705
463	3924	384 1984	3714
488	3933	378 1984	3723
513	3941	372 1984	3731
538	3948	367 1984	3738
563	3955	362 1984	3745
588	3961	358 1984	3751
613	3967	354 1984	3757
638	3972	351 1984	3762
663	3977	348 1984	3767
688	3981	345 1984	3772

SHANNON'S CREEK LINE 82-W-38X STN 1140

TWO WAY TIME	RMS VELOCITY	DELTA-T AT INTERVAL VELOCITY	SUMMED AVERAGE VELOCITY
14	3415	4278 1984	3415
38	3515	1188 1984	3465
63	3592	945 1984	3507
88	3656	802 1984	3545
113	3710	708 1984	3579
138	3757	639 1984	3609
163	3798	589 1984	3636
188	3834	550 1984	3661
213	3866	520 1984	3684
238	3895	495 1984	3705
263	3921	474 1984	3724
288	3944	457 1984	3742
313	3965	442 1984	3758
338	3984	429 1984	3773
363	4000	418 1984	3787
388	4015	408 1984	3800
413	4029	399 1984	3812
438	4041	391 1984	3824
463	4052	384 1984	3835
488	4062	378 1984	3845
513	4071	372 1984	3854
538	4080	367 1984	3863
563	4087	362 1984	3871
588	4094	358 1984	3879
613	4101	354 1984	3886
638	4107	351 1984	3892
663	4112	348 1984	3898
688	4117	345 1984	3904