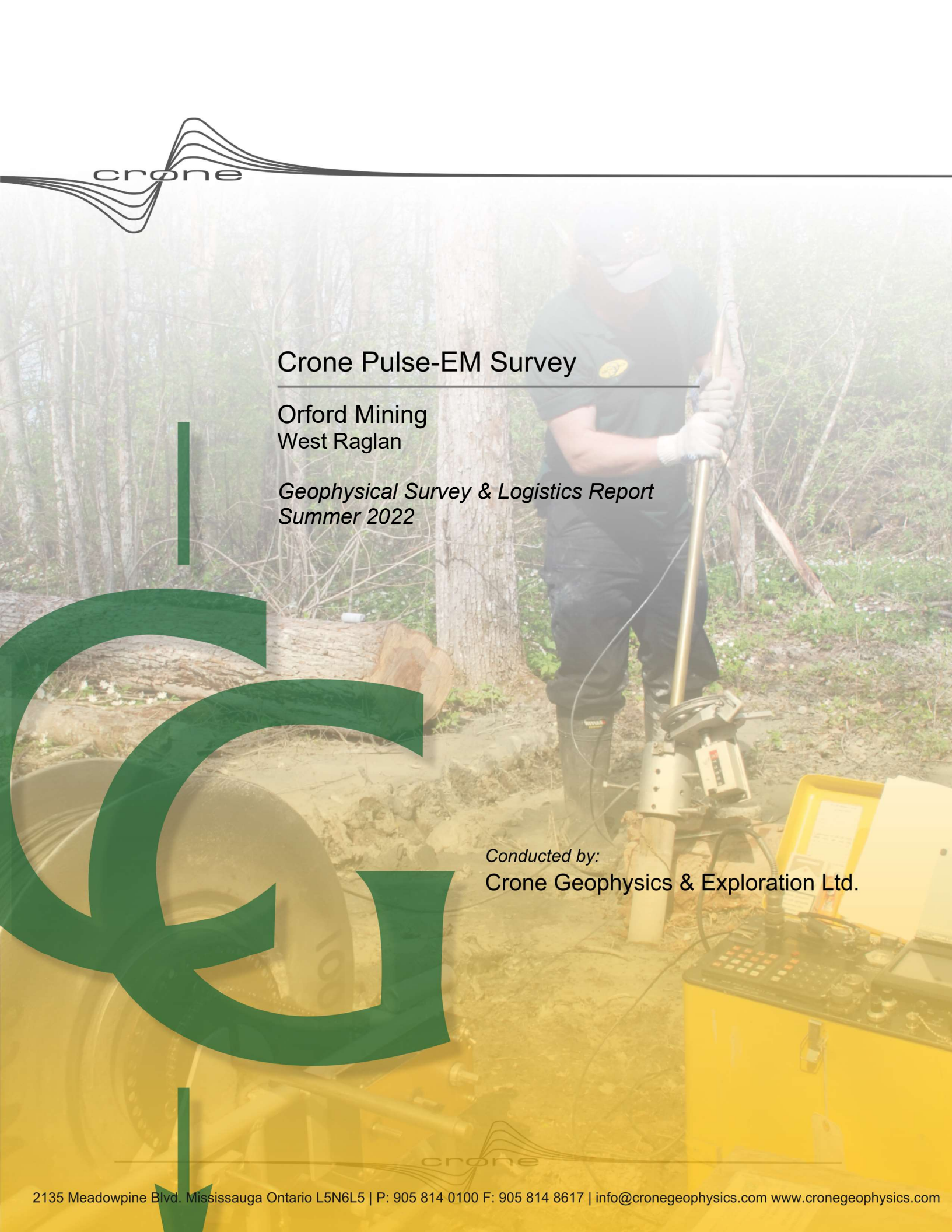




crone

Crone Pulse-EM Survey

Orford Mining
West Raglan

*Geophysical Survey & Logistics Report
Summer 2022*

Conducted by:
Crone Geophysics & Exploration Ltd.

crone



TABLE OF CONTENTS

Introduction.....	4
Personnel.....	7
Equipment	7
Survey Methods.....	8
Data Acquisition Parameters	11
Production Summary	12

LIST OF FIGURES

Figure 1: Borehole and loop location map for the West Raglan Grid, Northern Quebec, Canada.....	5
Figure 2: Borehole and loop location map for the Frontier Grid, Northern Quebec, Canada	6
Figure 3: Standard channel configurations.....	8
Figure 4: Standard Crone Pulse-EM waveform.....	9
Figure 5: Representation of fundamental EM theory of a borehole survey.....	9
Figure 6: Representation of the spatial components measured by the 3D Borehole Pulse EM probe.	10

LIST OF TABLES

Table 1: Borehole Survey Transmitter Loop Coverage.	11
Table 2: Borehole Survey Coverage.....	11
Table 3: Channel Configuration for the 300.00 ms timebase using 35 channels.	12
Table 4: Production Summary.	12



LIST OF APPENDICES

Appendix 1: Borehole Survey Results15



INTRODUCTION

Crone Geophysics & Exploration Limited was contracted by Orford Mining to conduct borehole Pulse-EM geophysical surveys on its West Raglan Property located in Northern Quebec, Canada. This report summarizes the geophysical work carried out through July-September 2022.

Eight (8) holes utilizing seven (7) transmitter loops were surveyed during this period. The appendices to this report contain page size plan maps, section maps, linear scale data profiles, and step response profiles.

A borehole and transmitter loop location map is presented in Figure 1.



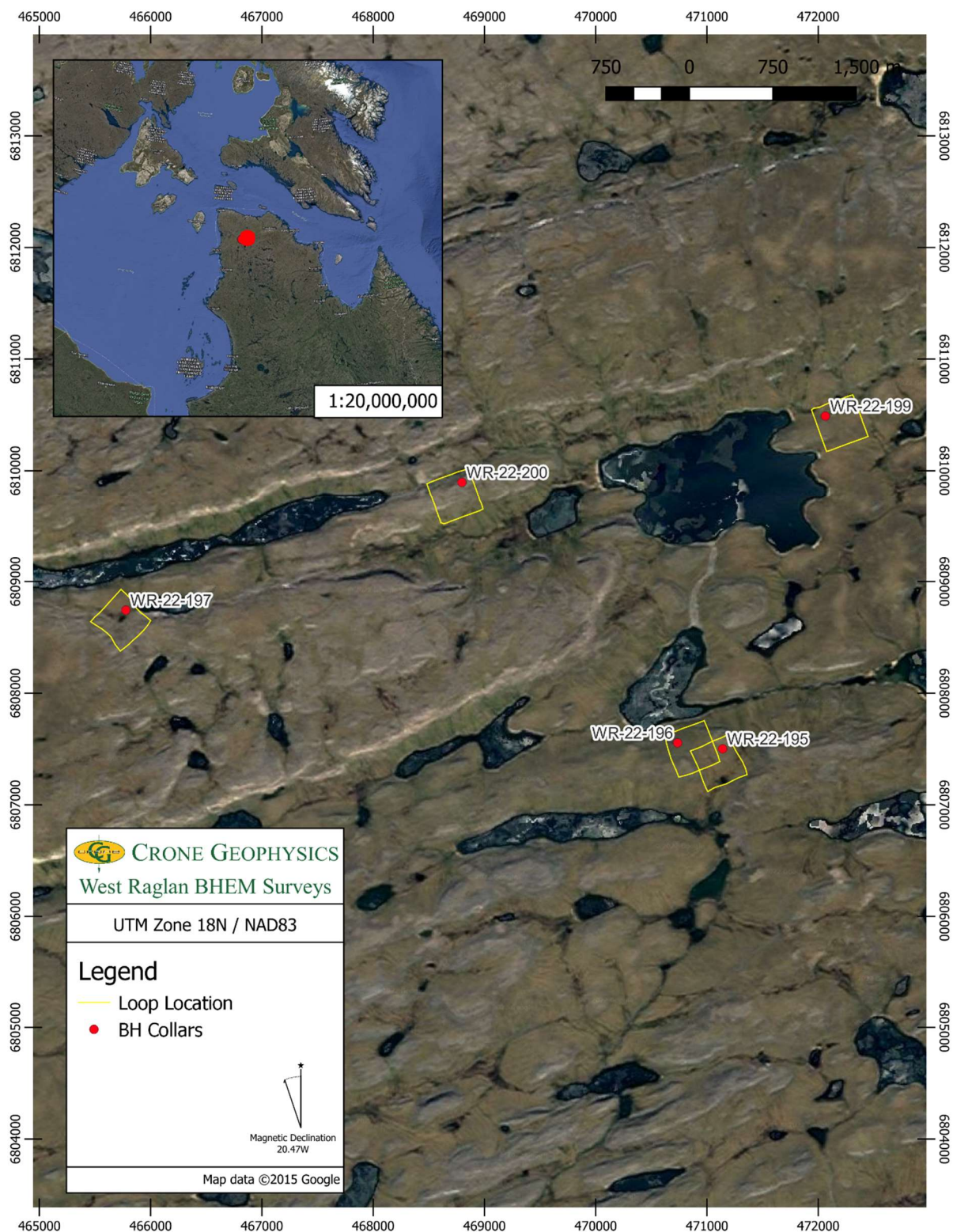


FIGURE 1: BOREHOLE AND LOOP LOCATION MAP FOR THE WEST RAGLAN GRID, NORTHERN QUEBEC, CANADA

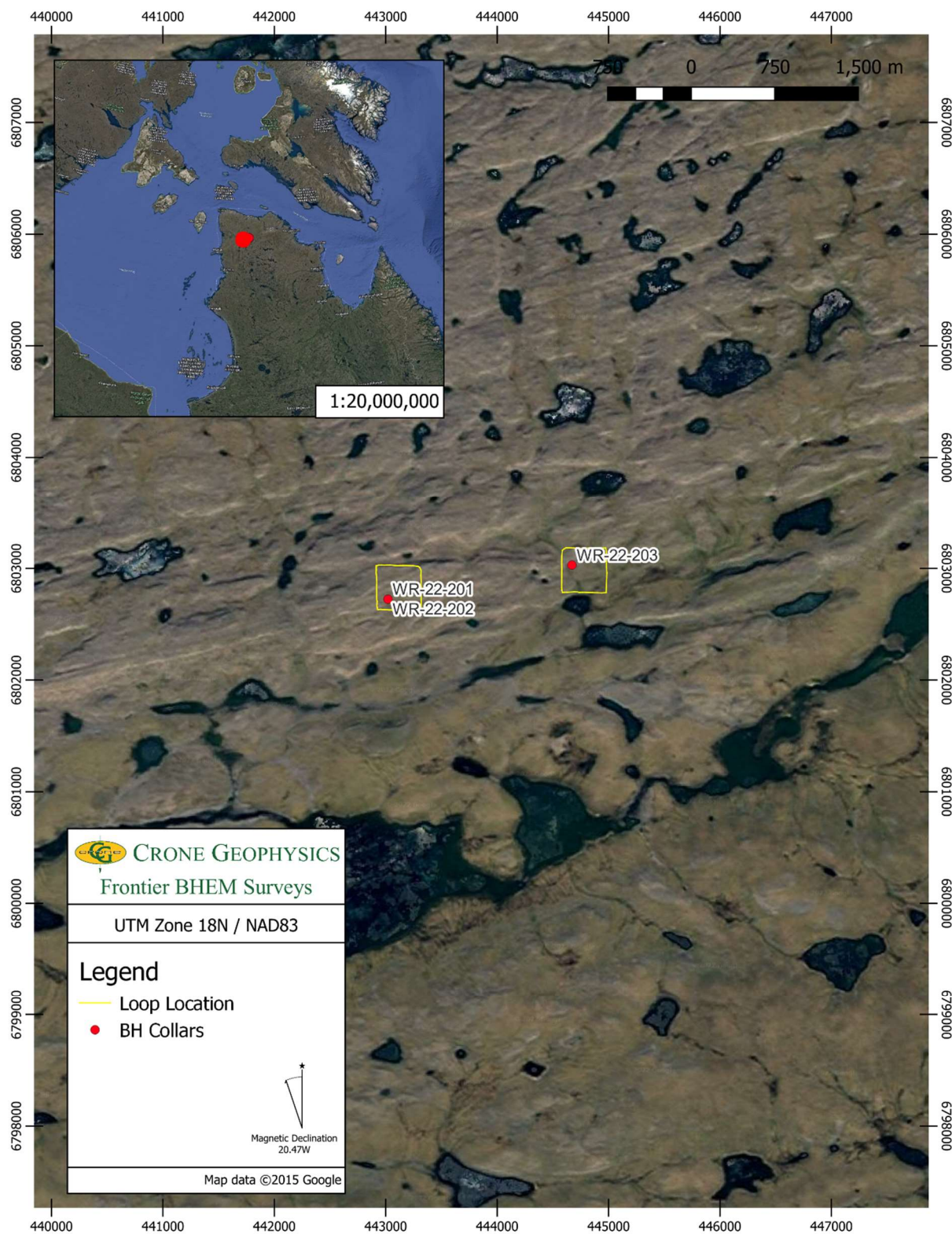


FIGURE 2: BOREHOLE AND LOOP LOCATION MAP FOR THE FRONTIER GRID, NORTHERN QUEBEC, CANADA





PERSONNEL

The personnel involved in this project during the reporting period include:

Survey Operator: Simon Gariepy-Garneau, Brett Gale, Steven Regular

Data Processing: Mark Hunter

Report: Norman Shieh

EQUIPMENT



Pulse-EM Transmitter

- 4.8kW for up to 30 amps in single or 60 amps in dual modes
- Timebases: 8.33ms to 2000ms
- Ramp Settings: Fast Ramp, 0.5ms, 1.0ms or 1.5ms
- Powered by standard motor generator
- Current control and monitoring with optional loop damping
- Auto Shutdown and grounded case for safety



Pulse-EM CDR3 Receiver

- 24-Bit full waveform sampling
- 3-Component simultaneous acquisition
- High resolution rugged color LCD touchscreen
- Driven by Windows® programmable software
- Crone *Smartstacking* algorithm
- Sampling rate: 100K samples/second
- Next generation precision clock synchronization



Pulse-EM Fluxgate Probes

- Measures B-field in 3 components
- High speed fluxgate for Pulse EM
- Pressure tested to 2500m
- RAD Tool orientation with 3 Axis Magnetometer and 3 Axis Accelerometer

SURVEY METHODS

Crone Pulse-EM is a time domain electromagnetic method in which a precise pulse of current with a controlled linear shut off is transmitted through a large loop of wire on the ground and the rate of decay (dB/dt) of the induced secondary field is measured across a series of time windows during the off-time. Crone fluxgate and SQUID instruments measure the amplitude of the magnetic field (B-field) directly. The electromotive force (EMF) created by the sudden turn-off of the current induces eddy currents in nearby conductive material, generating a secondary electromagnetic field. When the primary field is terminated, this electromagnetic field will decay with time. The amplitude of the secondary field and the decay rate are dependent on the quality and size of the conductor.

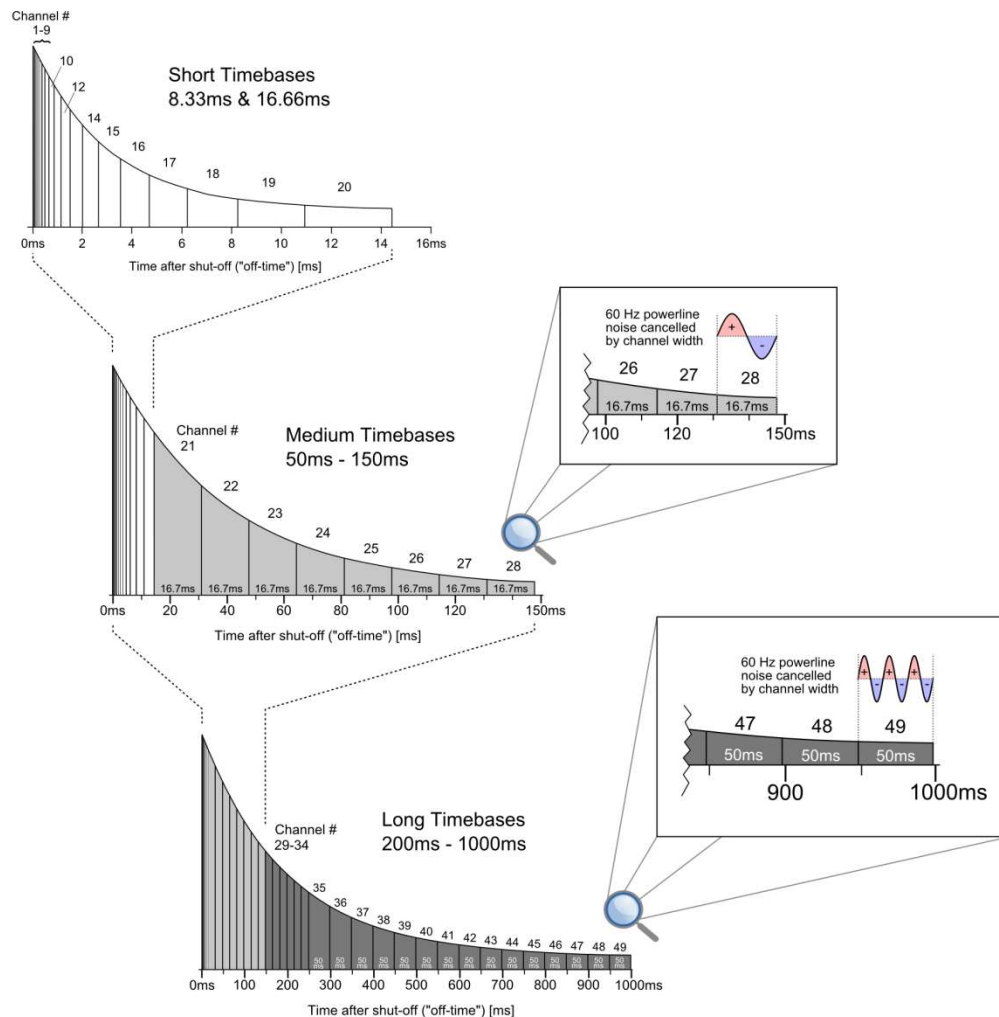


FIGURE 3: STANDARD CHANNEL CONFIGURATIONS.

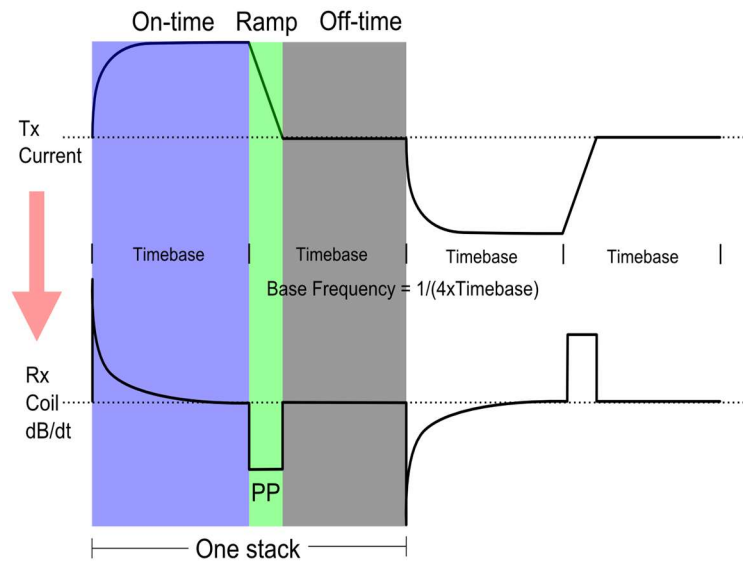


FIGURE 4: STANDARD CRONE PULSE-EM WAVEFORM.

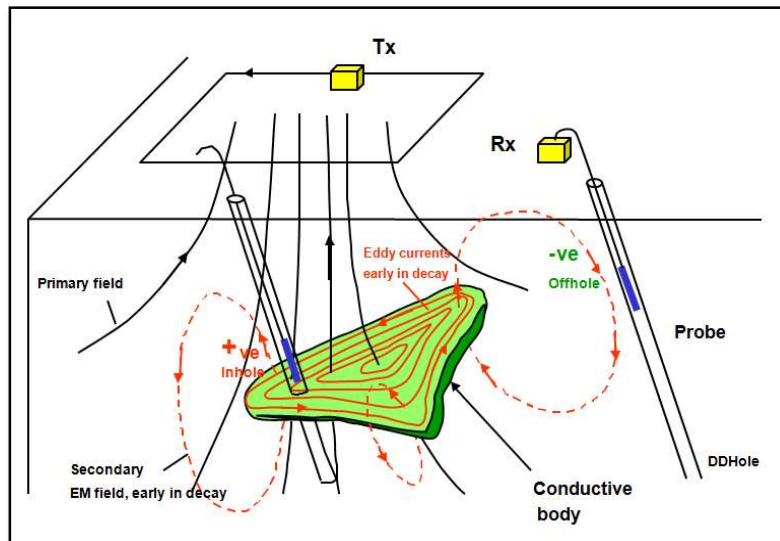


FIGURE 5: REPRESENTATION OF FUNDAMENTAL EM THEORY OF A BOREHOLE SURVEY.

A 3D borehole Pulse-EM system was assembled in which the axial component (Z) and cross component (XY) of the induced secondary field were measured with a Crone borehole fluxgate probe. The Z component detects any in-hole or off-hole anomalies and gives information on size, conductivity, and distances to the edge of conductors. The XY components measure two orthogonal components of the EM field in a plane orientated at right angles to the borehole. These results give directional information to the center of the conductive body. Data is usually collected at a nominal sample interval of 10m. Data units are pT.

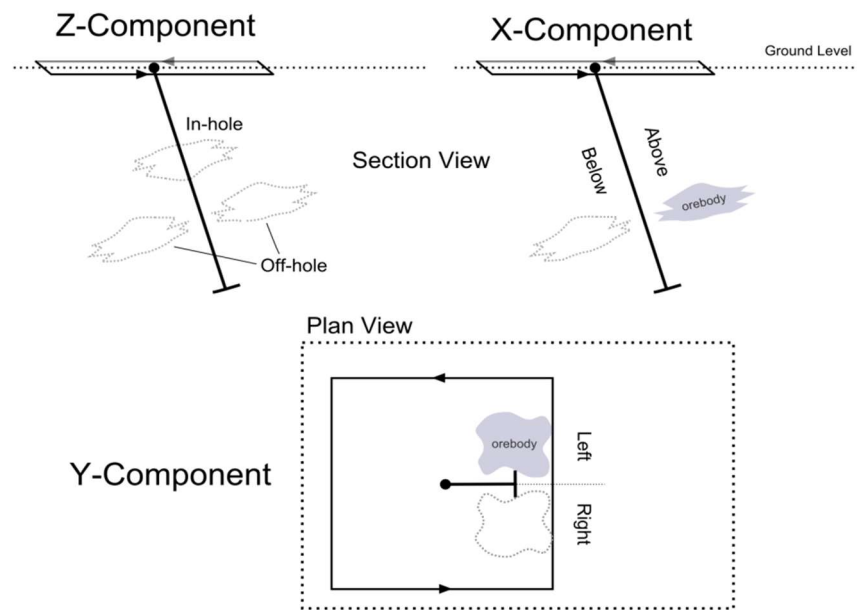


FIGURE 6: REPRESENTATION OF THE SPATIAL COMPONENTS MEASURED BY THE 3D BOREHOLE PULSE EM PROBE.

In addition to measuring the standard Primary Pulse channel in the Tx shut-off ramp and the off-time channels, the Step Response was also calculated. Step Response requires accurate geometrical control in which the loop position and the hole geometry are accurately determined. Positional information was collected using a sub-meter capable GPS, and is provided in the UTM Zone 18N utilizing the NAD 1983 datum. Borehole geometry was determined by gyro provided by the client. The Step Response is widely regarded as a very important tool in the search for high conductance massive sulphides.

The calculated Step Response values are binned into an S1 channel (from $0.5T$ to T , where T is the time base), an S2 channel (from $0.25T$ to $0.5T$), an S3 channel (from $0.125T$ to $0.25T$) and an S4 channel (from $0.0625T$ to $0.125T$). The S1 channel is normalized to the theoretical primary field, while S2, S3 and S4 are normalized to S1. The S1 value is used to identify responses from highly conductive sources. In the absence of any conductors, the primary field should equal the theoretical field for a given component. In the case of generally resistive host rock and poor conductors, the S1 value will be very close or equal to the theoretical field for a given component.



DATA ACQUISITION PARAMETERS

TABLE 1: BOREHOLE SURVEY TRANSMITTER LOOP COVERAGE.

Tx Loop	Property / Target	Size (m)	Corner Coordinates UTM Zone 18N, NAD83
22WR01	West Raglan	400 x 400	471006E, 6807117N 471360E, 6807269N 471194E, 6807630N 470851E, 6807481N
22WR02	West Raglan	400 x 400	470622E, 6807619N 470746E, 6807247N 471114E, 6807386N 470975E, 6807753N
22WR03	West Raglan	400 x 400	465726E, 6808377N 465999E, 6808649N 465733E, 6808929N 465460E, 6808639N
22WR05	West Raglan	400 x 400	468482E, 6809881N 468609E, 6809525N 468986E, 6809649N 468854E, 6810009N
22WR06	West Raglan	400 x 400	471939E, 6810544N 472074E, 6810172N 472447E, 6810307N 472309E, 6810678N
22FT01	Frontier	400 x 400	442914E, 6803023N 442926E, 6802630N 443315E, 6802626N 443297E, 6803013N
22FT03	Frontier	400 x 400	444603E, 6803175N 444587E, 6802783N 444978E, 6802782N 444975E, 6803181N

TABLE 2: BOREHOLE SURVEY COVERAGE

Hole	Zone	Tx Loop	Time base (ms)	Off Time Channels	Ramp (ms)	Current (A)	Station		Length (m)	Comp
							From	To		
WR-22-195	West Raglan	22WR01	300	35	1.5	20.8	20	220	200	X,Y,Z
WR-22-196	West Raglan	22WR02	300	35	1.5	20.3	50	110	60	X,Y,Z
WR-22-197	West Raglan	22WR03	300	35	1.5	20	290	460	170	X,Y,Z
WR-22-199	West Raglan	22WR06	300	35	1.5	20.2	200	320	120	X,Y,Z
WR-22-200	West Raglan	22WR05	300	35	1.5	20	280	380	100	X,Y,Z
WR-22-201	Frontier	22FT01	300	35	1.5	21.1	10	155	145	X,Y,Z
WR-22-202	Frontier	22FT01	300	35	1.5	22.1	10	160	150	X,Y,Z
WR-22-203	Frontier	22FT03	300	35	1.5	22.1	10	300	290	X,Y,Z



TABLE 3: CHANNEL CONFIGURATION FOR THE 300.00 MS TIMEBASE USING 35 CHANNELS.

Channel	Start (ms)	Finish (ms)	Channel	Start (ms)	Finish (ms)
On-time	-2.000	-1.900			
1	0.0500	0.0600	2	0.0600	0.0800
3	0.0800	0.1100	4	0.1100	0.1500
5	0.1500	0.2000	6	0.2000	0.2700
7	0.2700	0.3600	8	0.3600	0.4800
9	0.4800	0.6400	10	0.6400	0.8500
11	0.8500	1.1300	12	1.1300	1.5000
13	1.5000	1.9900	14	1.9900	2.6400
15	2.6400	3.5100	16	3.5100	4.6600
17	4.6600	6.1900	18	6.1900	8.2200
19	8.2200	10.9200	20	10.9200	14.4000
21	14.4000	31.0600	22	31.0600	47.7300
23	47.7300	64.4000	24	64.4000	81.0600
25	81.0600	97.7300	26	97.7300	114.4000
27	114.4000	131.0600	28	131.0600	147.7300
29	147.7300	164.4000	30	164.4000	181.0600
31	181.0600	197.7300	32	197.7300	214.4000
33	214.4000	231.0600	34	231.0600	247.7300
35	247.7300	297.7300			

PRODUCTION SUMMARY

TABLE 4: PRODUCTION SUMMARY.

Date	Type of Day	Comments
07-Jul-22	MOB	MOB to West Raglan Camp
08-Jul-22	MOB	Crew mobilization and started unpacking equipment
09-Jul-22	Looping	Put out loop 22WR01 for upcoming drill
10-Jul-22	Survey	Installed base station antenna, dGPS loop coordinates and prepare for survey
11-Jul-22	Survey	BHEM Survey WR-22-195 on 22WR01
12-Jul-22	Looping	Moving loop to 22WR02 and dGPS loop coordinates
13-Jul-22	Storage	Standby and gear maintenance
14-Jul-22	Survey	BHEM Survey WR-22-196 on 22WR02
15-Jul-22	Standby	Night shift standby, cleaned gear and setup for next loop
16-Jul-22	Looping	Moved gear to WR-22-197 and put out and dGPS loop 22WR03
17-Jul-22	Standby	Drill standby
18-Jul-22	Looping	Put out some spare wire for the next survey
19-Jul-22	Looping	Put out and dGPS loop 22WR04
20-Jul-22	Standby	Drill standby
21-Jul-22	Standby	Drill standby



Date	Type of Day	Comments
22-Jul-22	Standby	Drill standby
23-Jul-22	Standby	Drill standby
24-Jul-22	Survey	BHEM Survey WR-22-197 on 22WR03
25-Jul-22	Survey	Overnight continued BHEM Survey WR-22-197 on 22WR03
26-Jul-22	Survey	Overnight continued BHEM Survey WR-22-197 on 22WR03, drill problems couldn't finish survey
27-Jul-22	Looping	Packing up loop for next borehole, crew change
28-Jul-22	Survey	Setup loop and equipment for next survey
29-Jul-22	Looping	Put out loop and dGPS for next survey
30-Jul-22	Standby	Drill standby
31-Jul-22	Standby	Drill standby
01-Aug-22	Standby	Drill standby
02-Aug-22	Standby	Drill standby
03-Aug-22	Standby	Drill standby
04-Aug-22	Standby	Drill standby
05-Aug-22	Survey	Attempted to survey WR-22-198 but there were drill issues and equipment issues so survey was cancelled due to timing
06-Aug-22	Looping	Picked up loop and moved equipment to next hole
07-Aug-22	Looping	Put out and dGPS loop for next borehole
08-Aug-22	Standby	Drill standby
09-Aug-22	Standby	Drill standby
10-Aug-22	Standby	Drill standby
11-Aug-22	Survey	BHEM Survey WR-22-199 on 22WR06
12-Aug-22	Survey	Overnight continued BHEM Survey WR-22-197 on 22WR06
13-Aug-22	Standby	Drill standby and rest from overnight
14-Aug-22	Looping	Picked up loop and moved equipment to next hole
15-Aug-22	Standby	Check equipment and crew change
16-Aug-22	Standby	Check equipment and crew change
17-Aug-22	Standby	Drill standby
18-Aug-22	Survey	BHEM Survey WR-22-200 on 22WR05
19-Aug-22	Survey	Overnight continued BHEM Survey WR-22-200 on 22WR05
20-Aug-22	Looping	Move equipment to Frontier grid and put out 22FT01 and dGPS
21-Aug-22	Standby	Drill standby
22-Aug-22	Survey	BHEM Survey FT-22-201 on 22FT01
23-Aug-22	Survey	Overnight continued BHEM Survey FT-22-201 on 22FT01
24-Aug-22	Standby	Drill standby
25-Aug-22	Survey	BHEM Survey FT-22-202 on 22FT01
26-Aug-22	Survey	Overnight continued BHEM Survey FT-22-202 on 22FT01
27-Aug-22	Standby	Drill standby
28-Aug-22	Looping	Picked up 22FT01 and put out 22FT03 and dGPS
29-Aug-22	Standby	Drill standby
30-Aug-22	Standby	Drill standby
31-Aug-22	Weather	Weather standby
01-Sep-22	Weather	Weather standby
02-Sep-22	Standby	Drill standby
03-Sep-22	Survey	BHEM Survey FT-22-203 on 22FT03



Date	Type of Day	Comments
04-Sep-22	Survey	Overnight continued BHEM Survey FT-22-203 on 22FT03
05-Sep-22	Storage	Rest and pack gear for DEMOB
06-Sep-22	DEMOB	DEMOB to Montreal
07-Sep-22	DEMOB	DEMOB to Home

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Norman Shieh'.

Norman Shieh, B.Sc., G.I.T.

Project Geophysicist

Crone Geophysics & Exploration Ltd.



APPENDIX 1: BOREHOLE SURVEY RESULTS



470,600m E 470,800m E 471,000m E 471,200m E 471,400m E 471,600m E

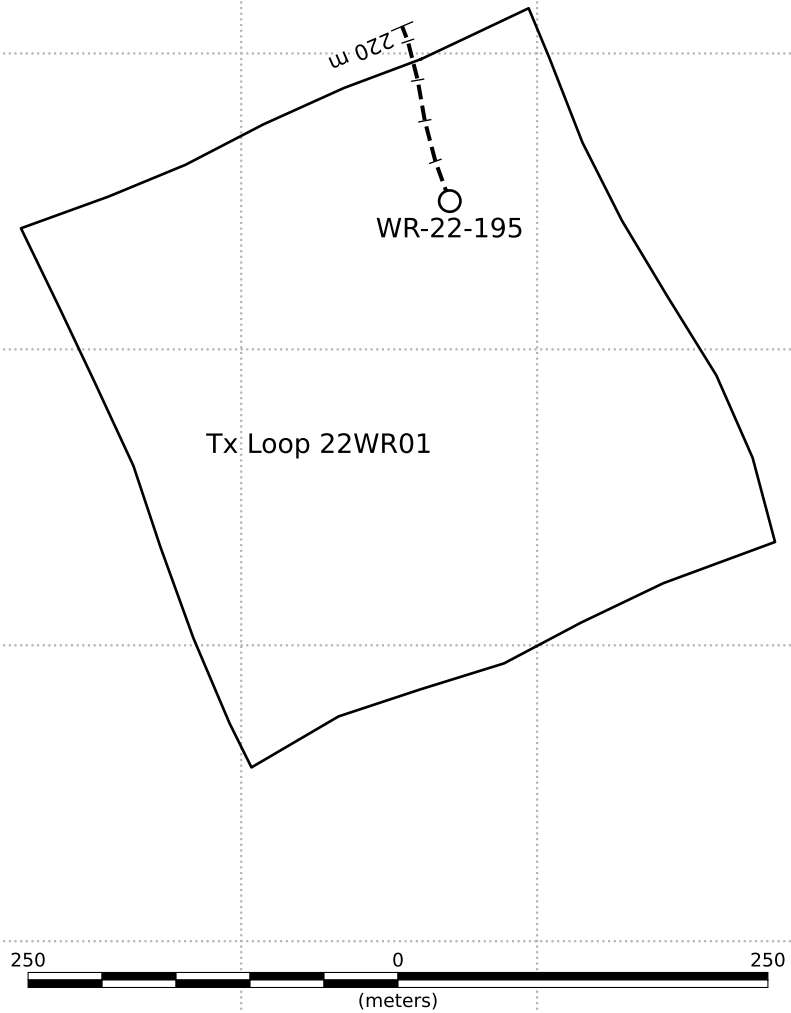
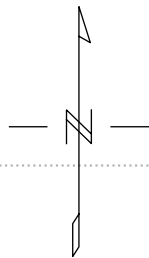
6,807,800m N
6,807,600m N
6,807,400m N
6,807,200m N
6,807,000m N

Crone Geophysics & Exploration Ltd.
Hole and Loop Location Map
Borehole Fluxgate Pulse EM Survey

Orford Mining
West Raglan
Hole: WR-22-195 Loop: 22WR01

Timebase: 300.0 ms
Survey Date: July 11, 2022

NAD83 / UTM zone 18N Scale 1:5,000



Legend

—

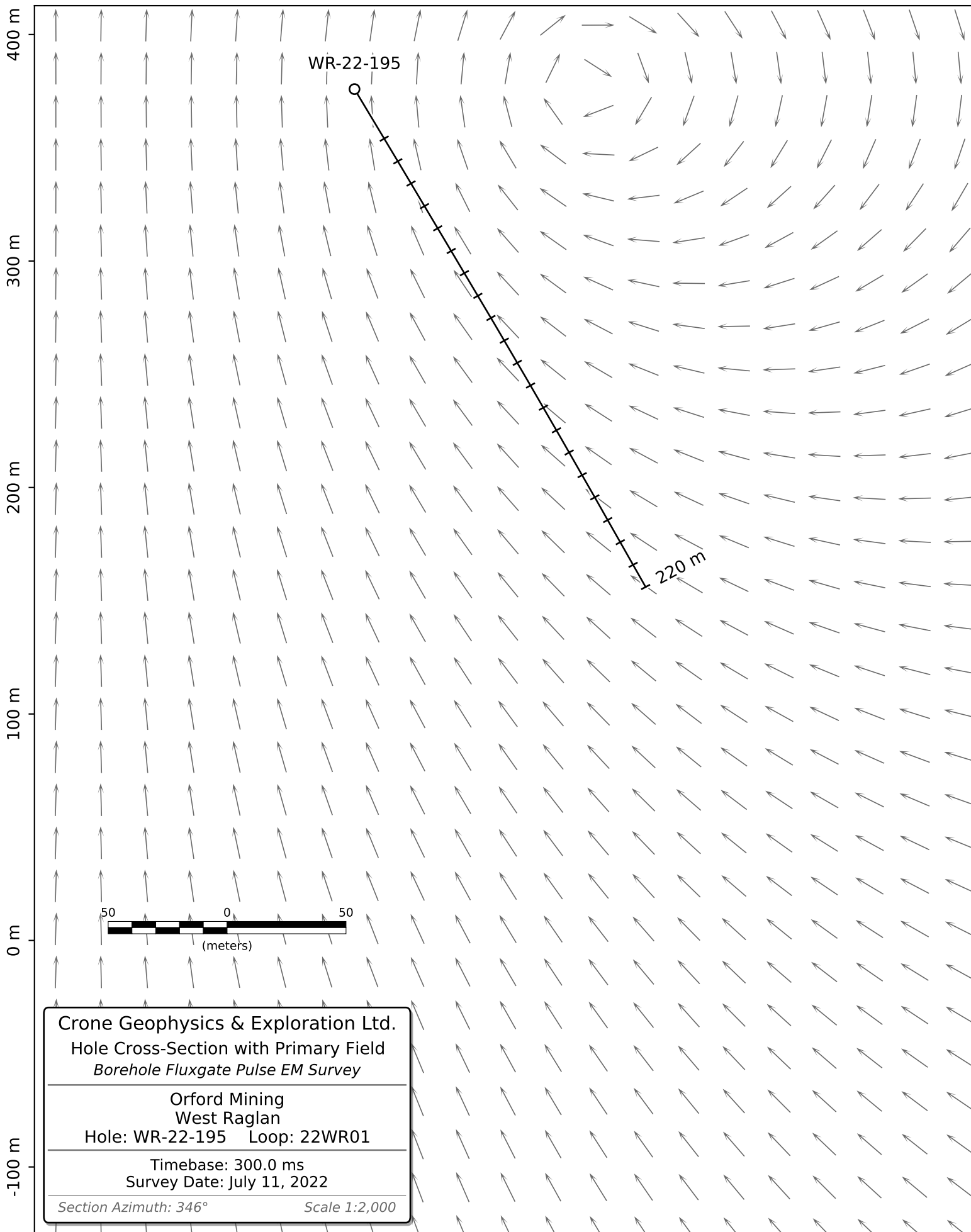
 Transmitter Loop

-+-

 Borehole Trace

471,172m E
6,807,369m N

471,074m E
6,807,752m N

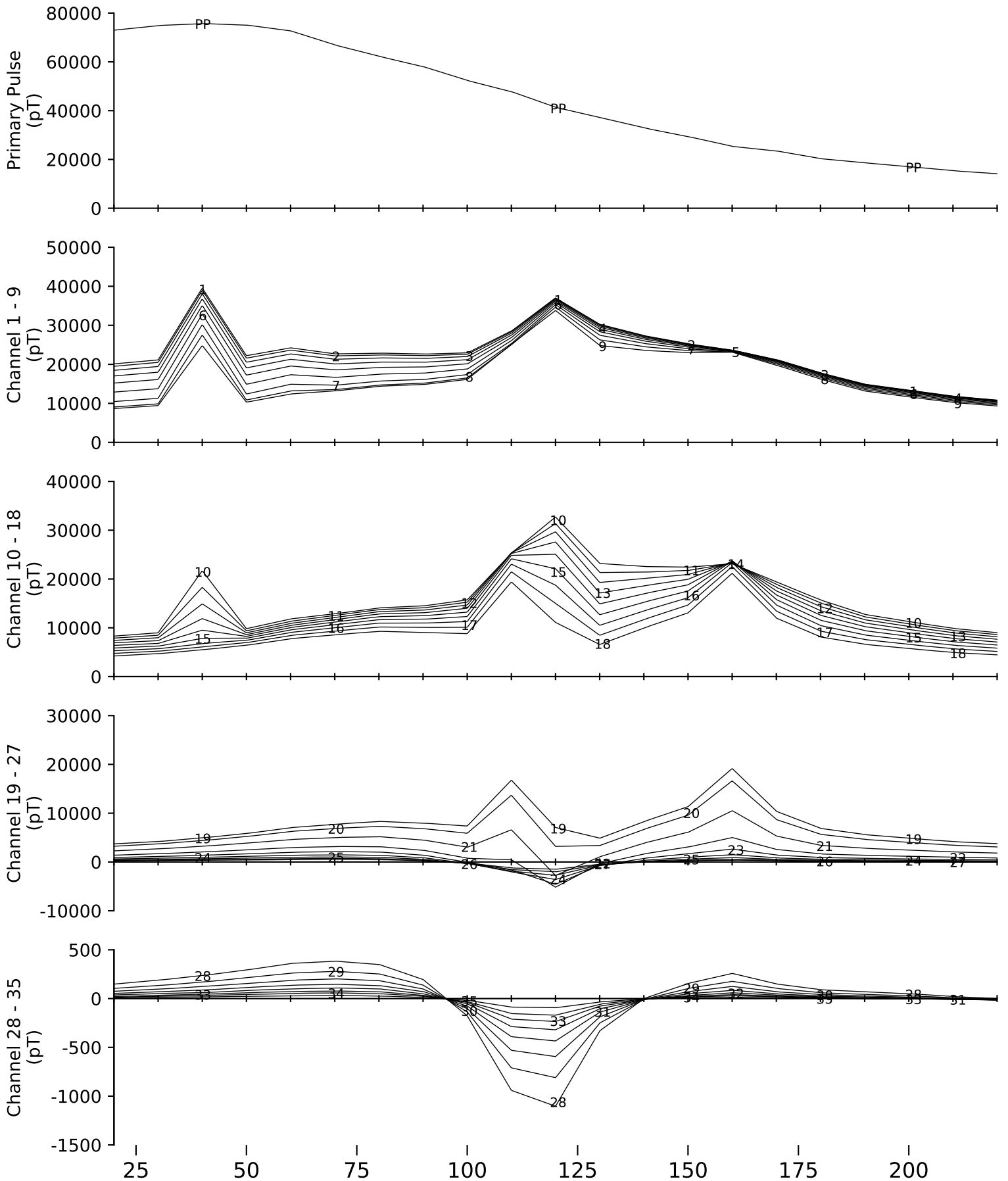


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Z Component

Orford Mining
West Raglan
July 11, 2022

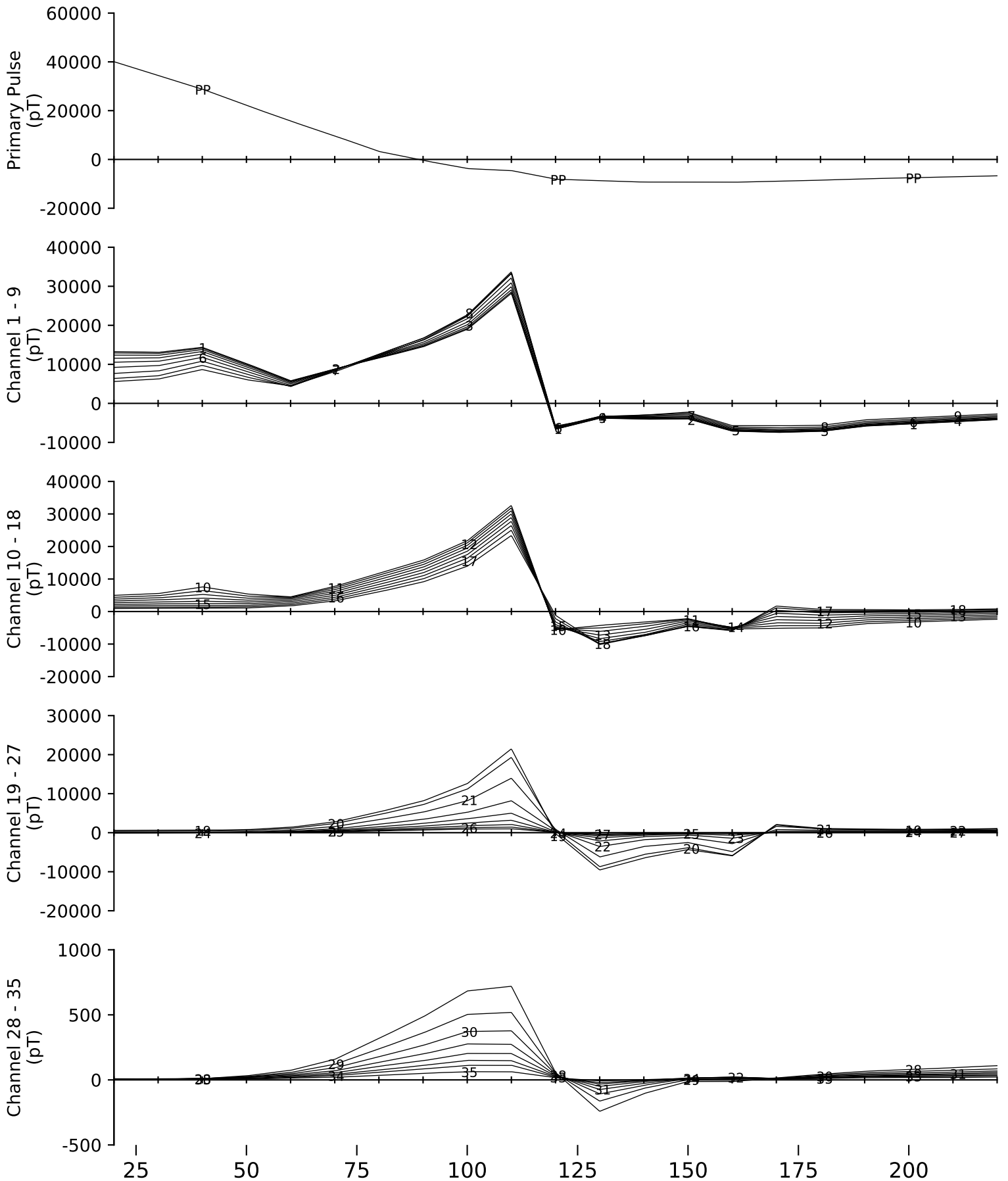


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
X Component

Orford Mining
West Raglan
July 11, 2022

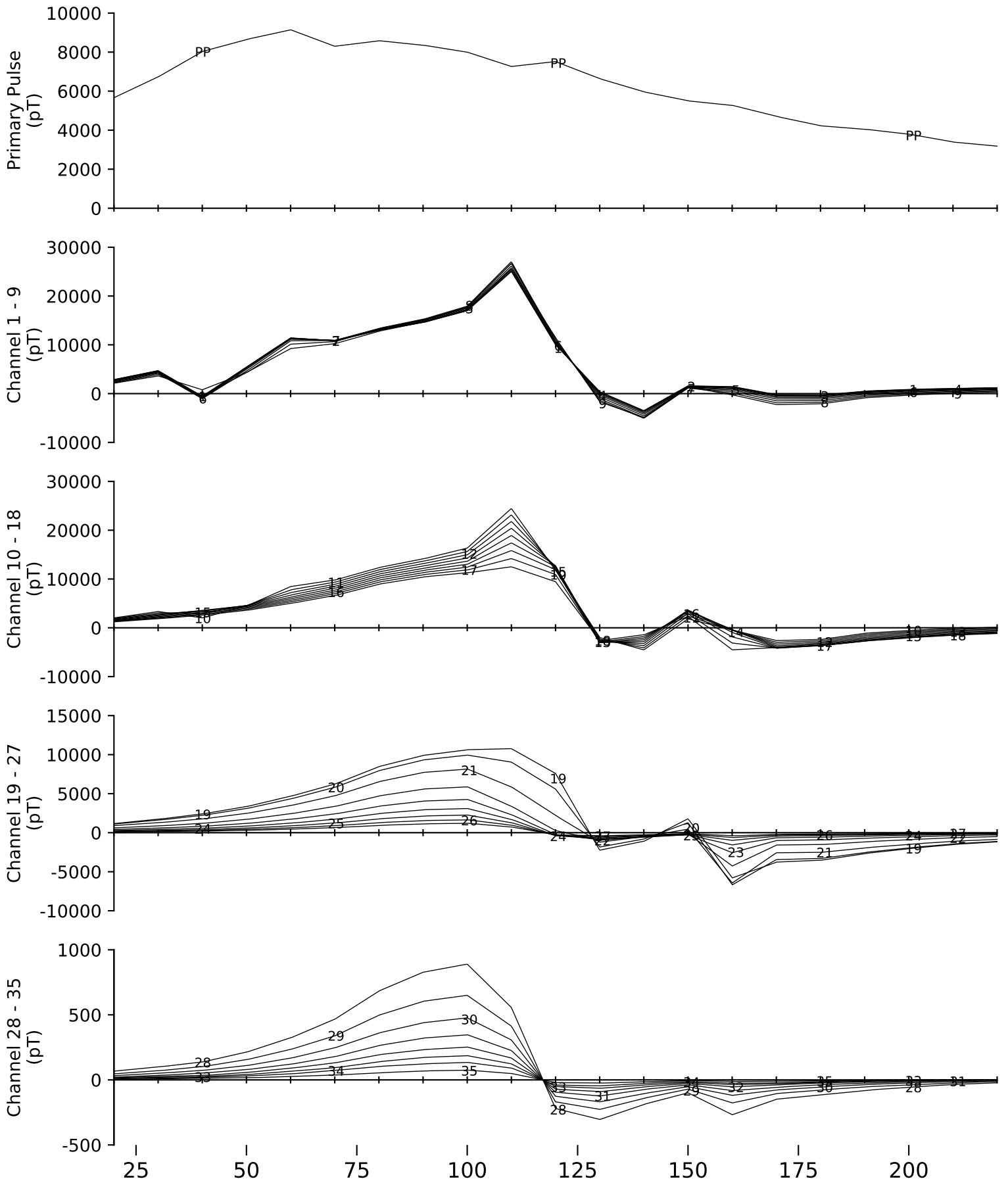


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Y Component

Orford Mining
West Raglan
July 11, 2022

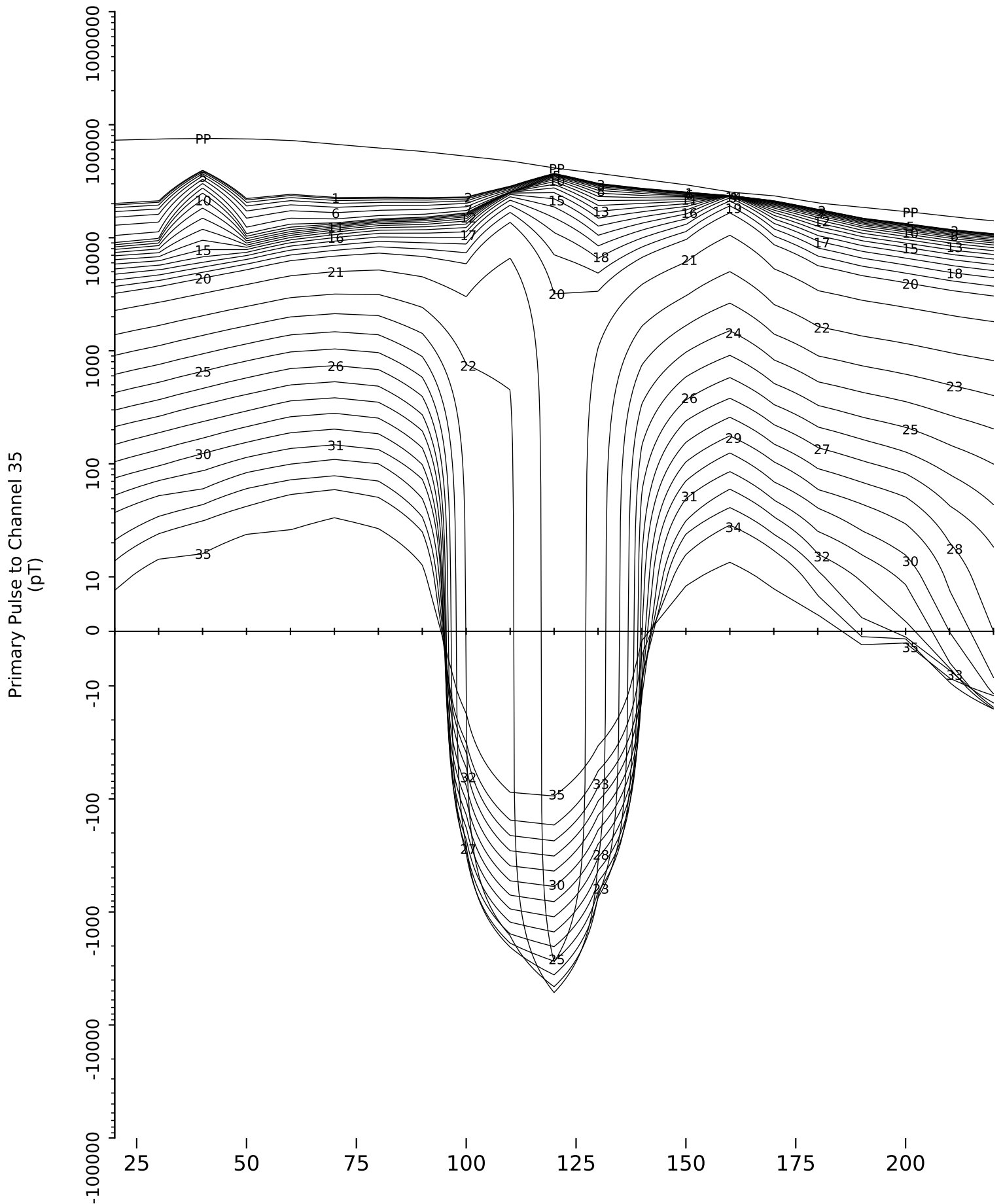


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Z Component

Orford Mining
West Raglan
July 11, 2022

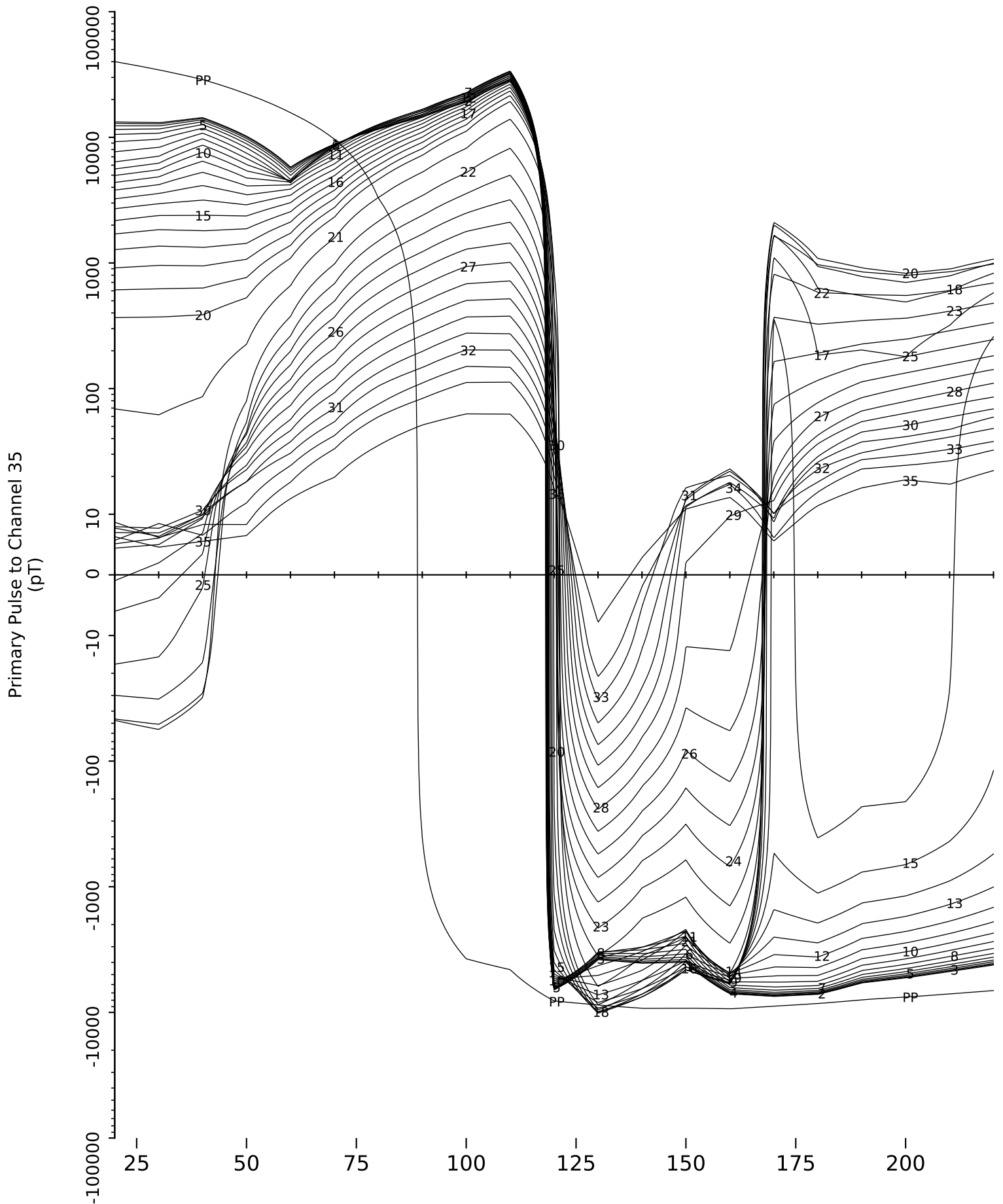


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
X Component

Orford Mining
West Raglan
July 11, 2022

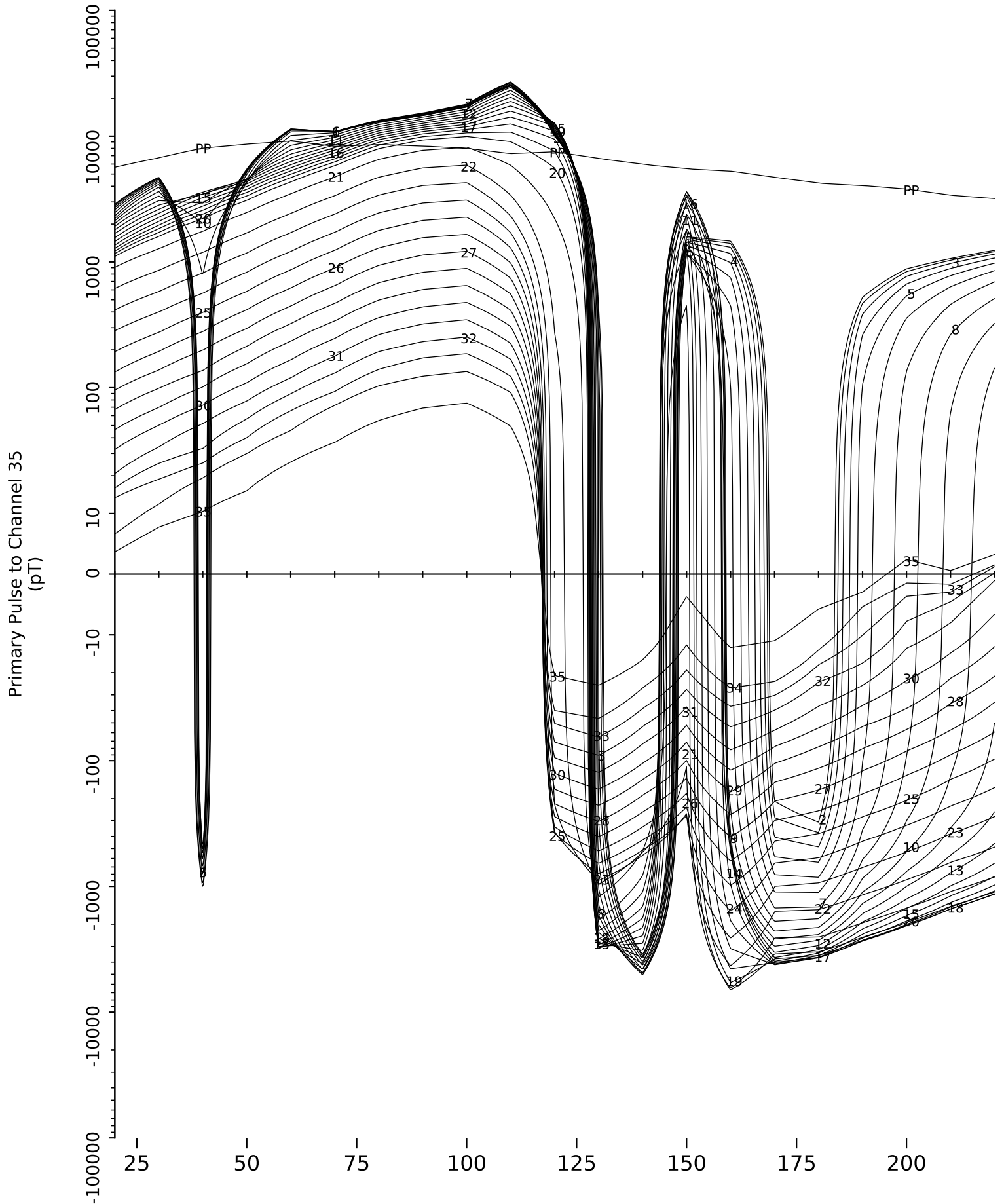


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Y Component

Orford Mining
West Raglan
July 11, 2022

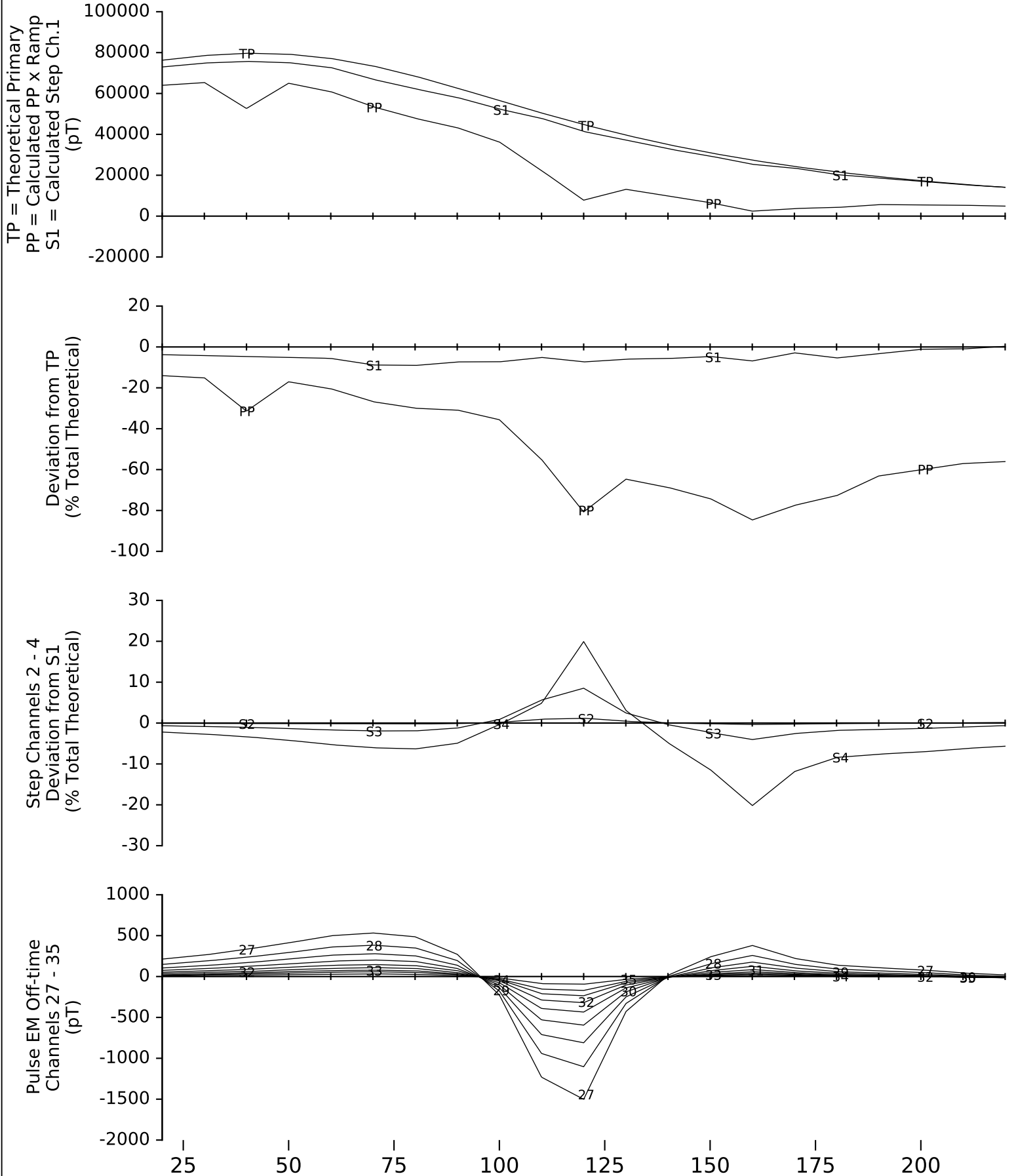


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Z Component

Orford Mining
West Raglan
July 11, 2022

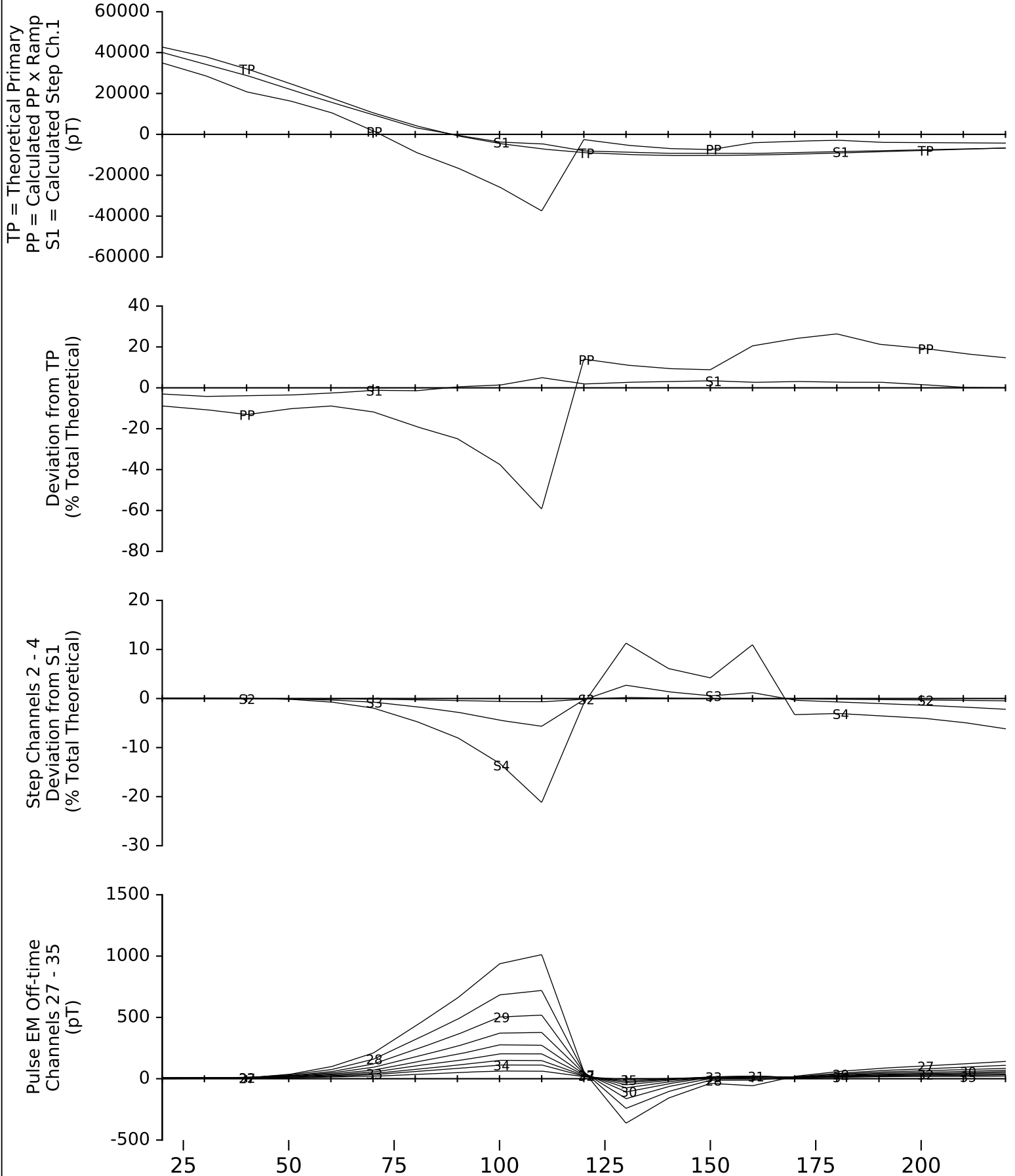


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
X Component

Orford Mining
West Raglan
July 11, 2022

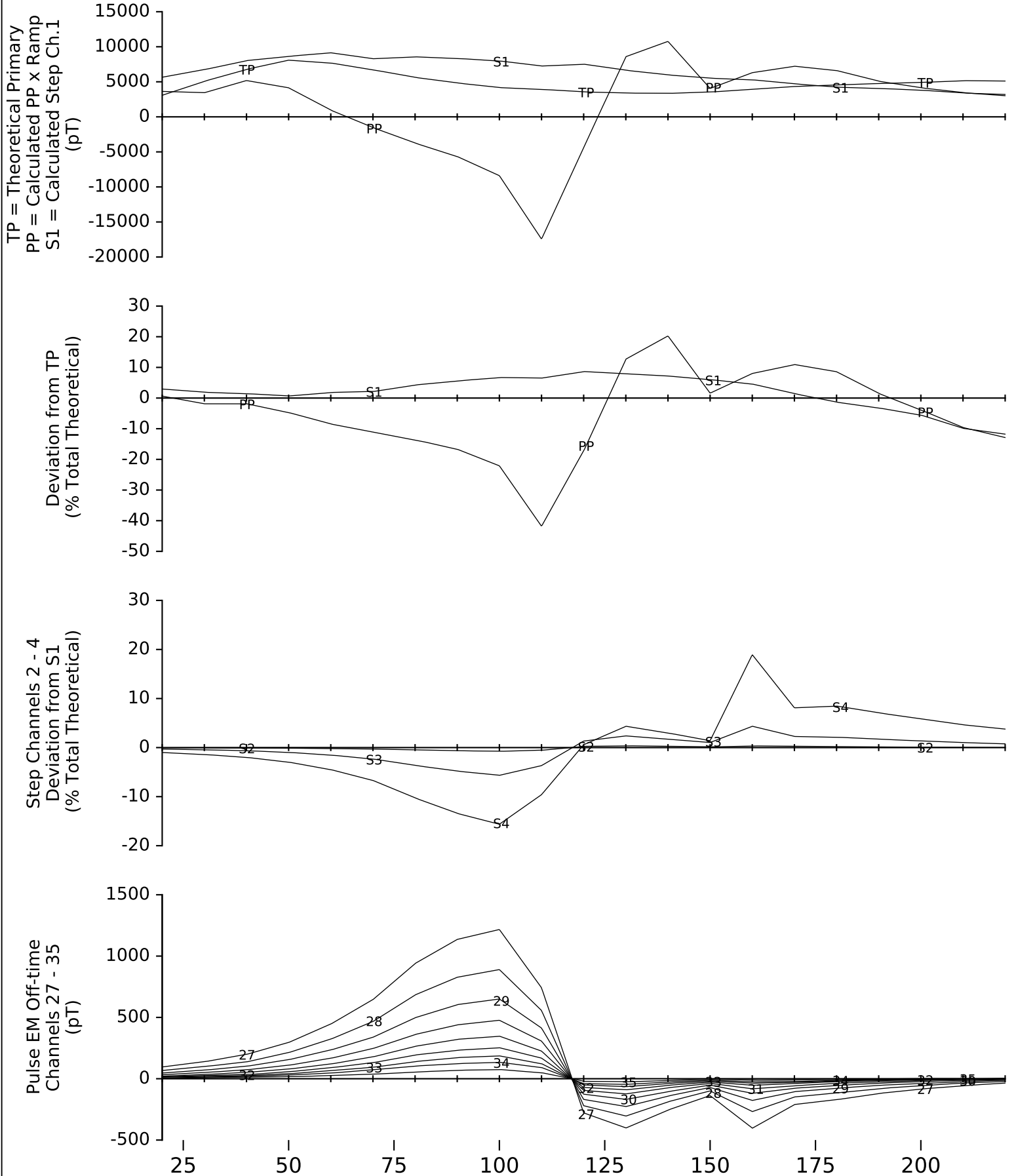


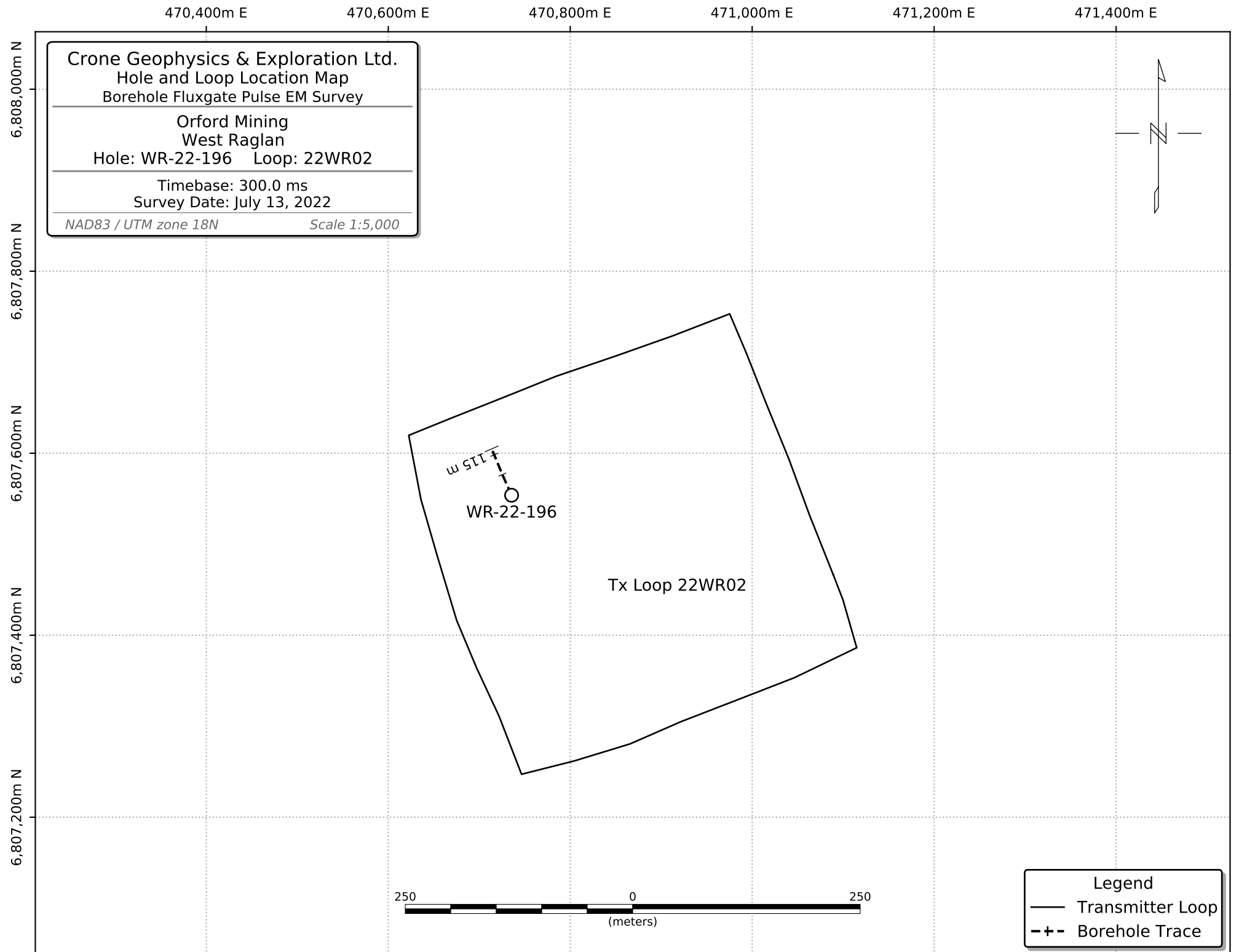
Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

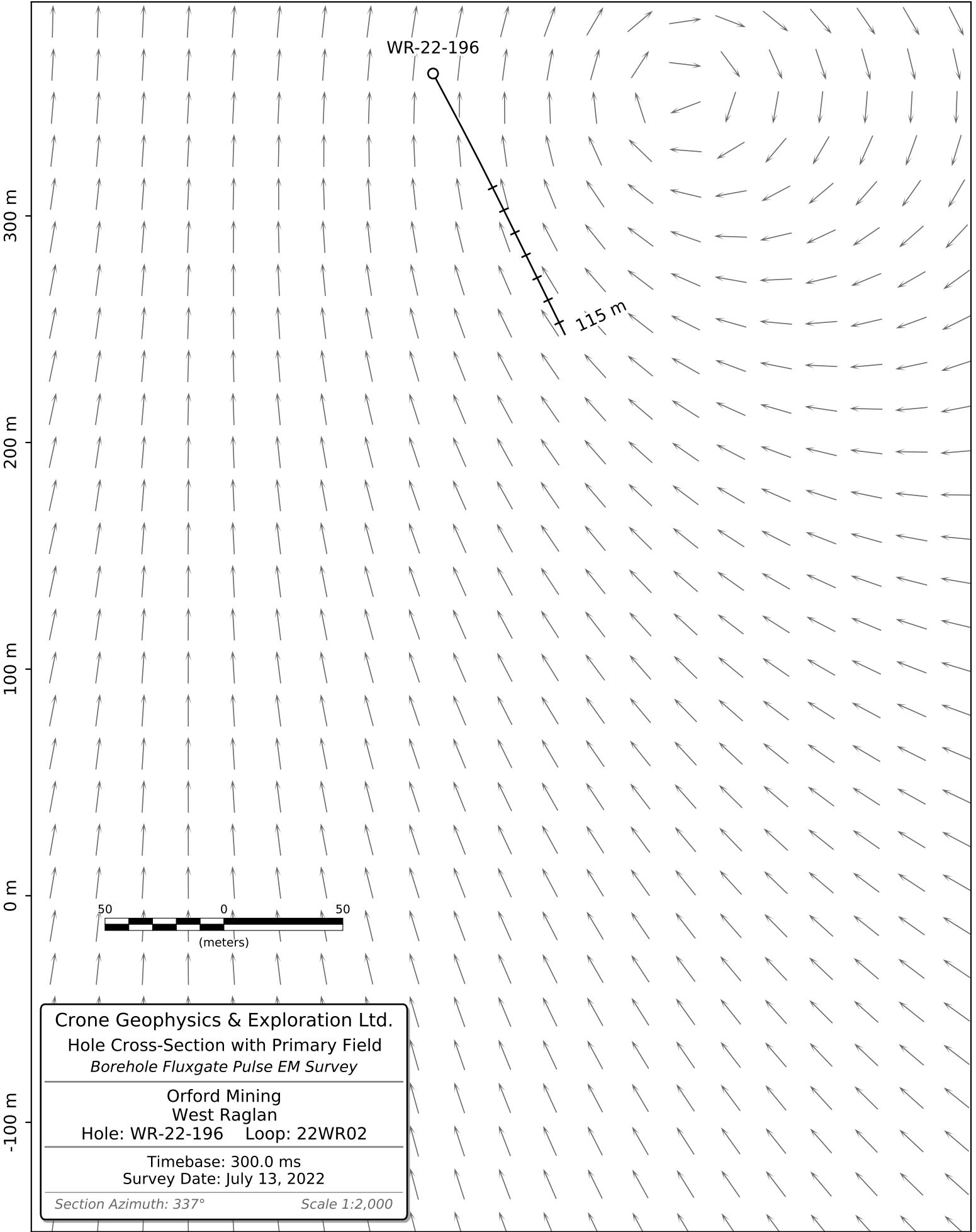
Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.8 A

Hole: WR-22-195
Loop: 22WR01
Y Component

Orford Mining
West Raglan
July 11, 2022





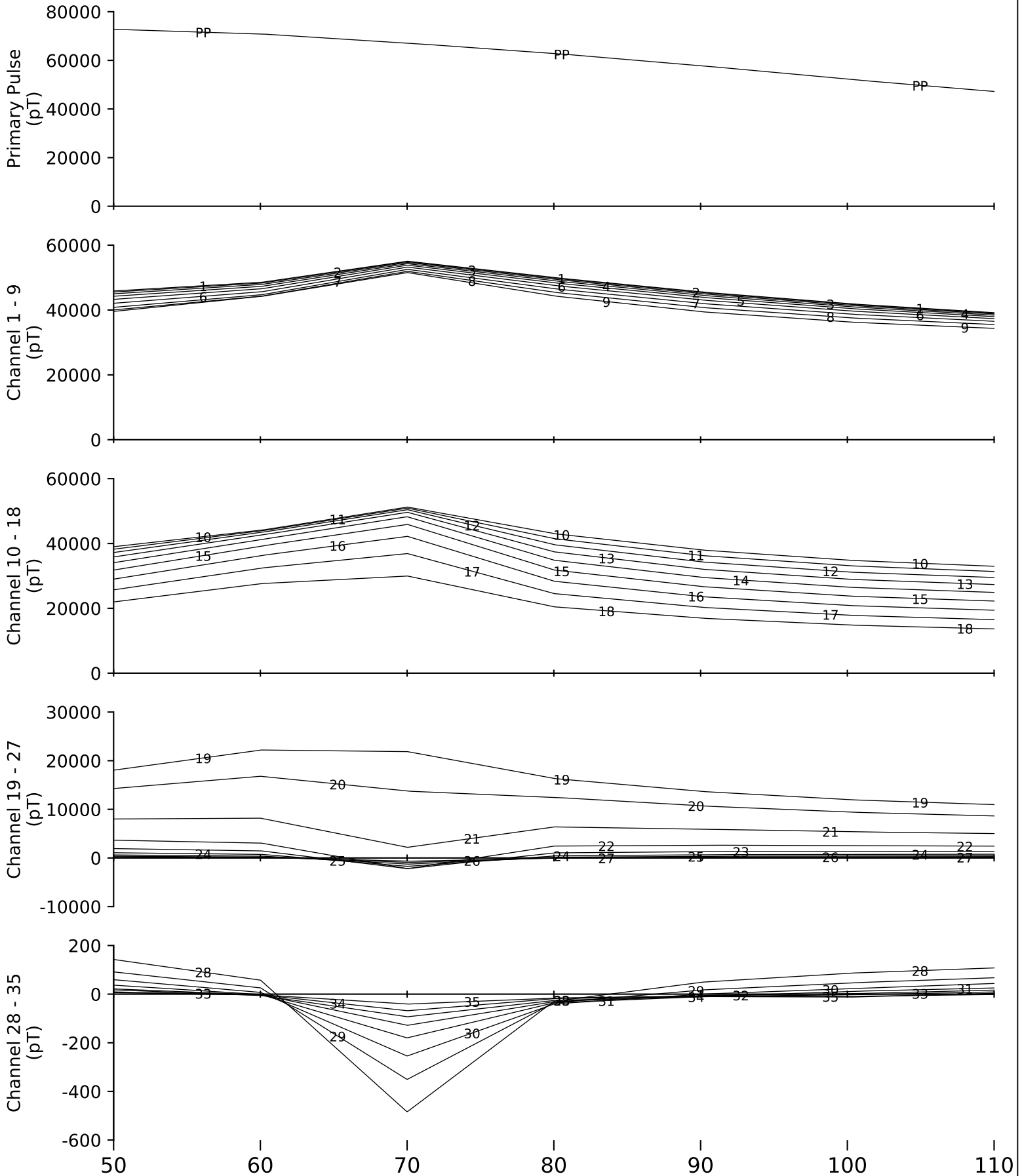


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Z Component

Orford Mining
West Raglan
July 13, 2022

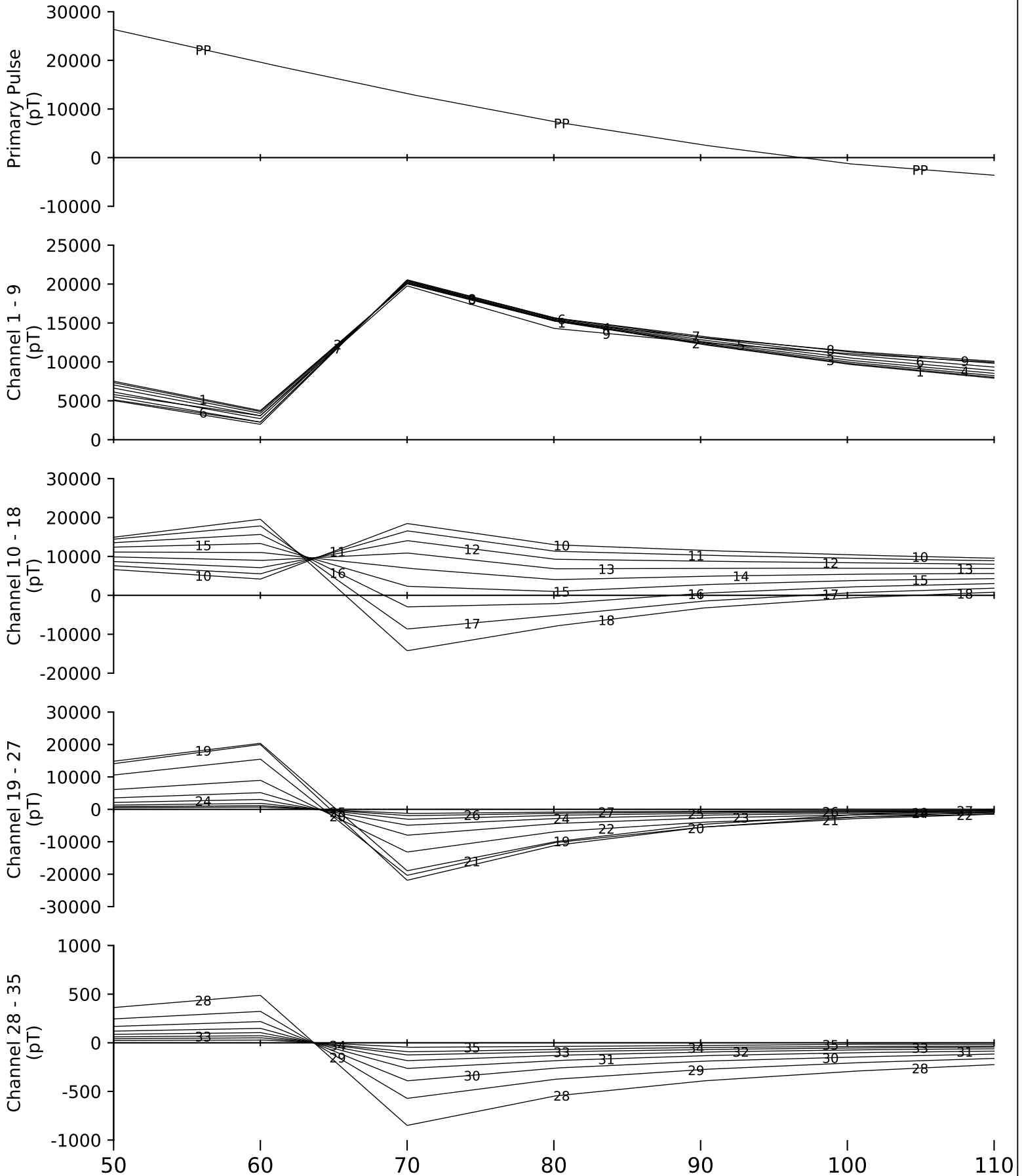


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
X Component

Orford Mining
West Raglan
July 13, 2022

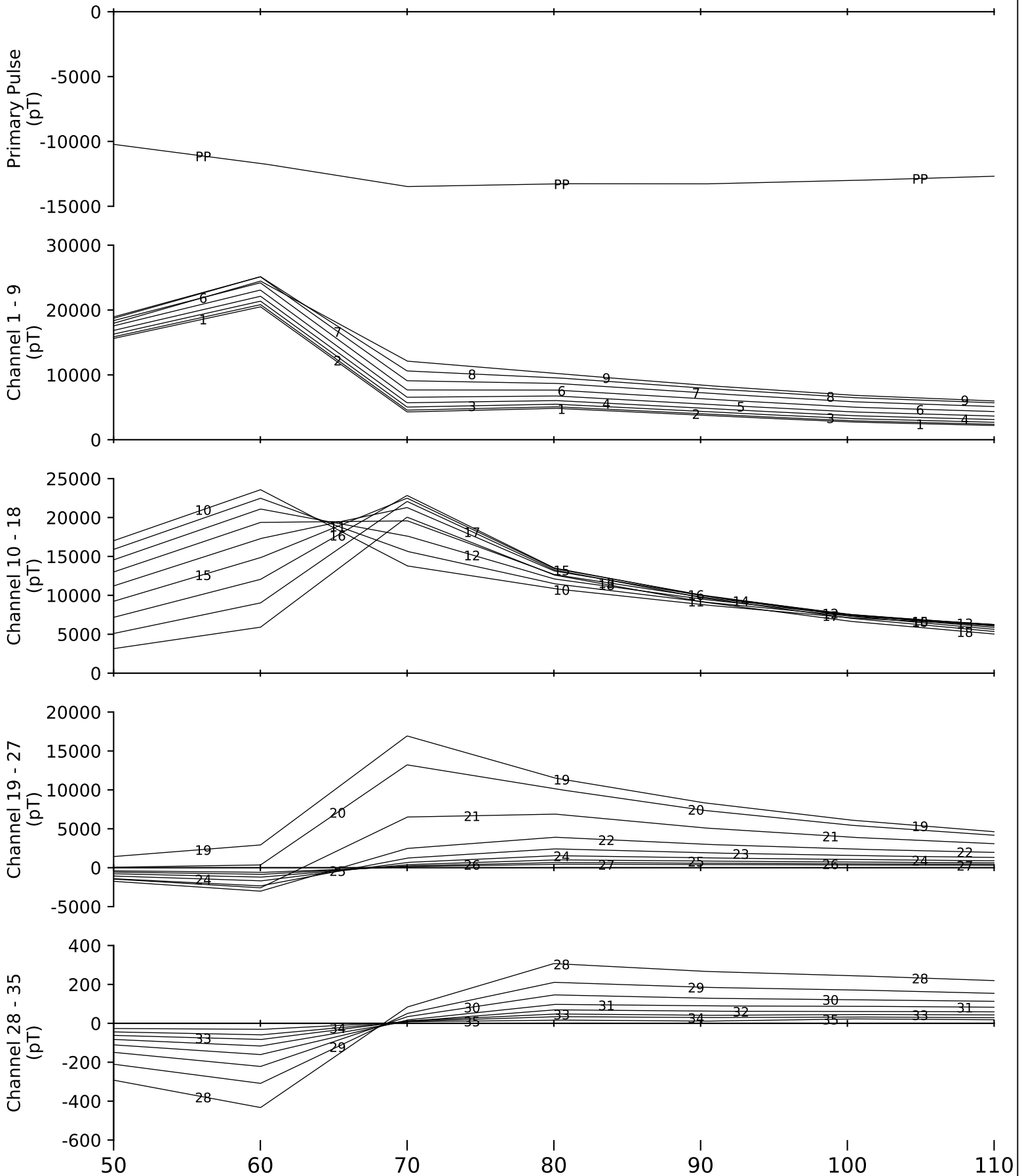


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Y Component

Orford Mining
West Raglan
July 13, 2022

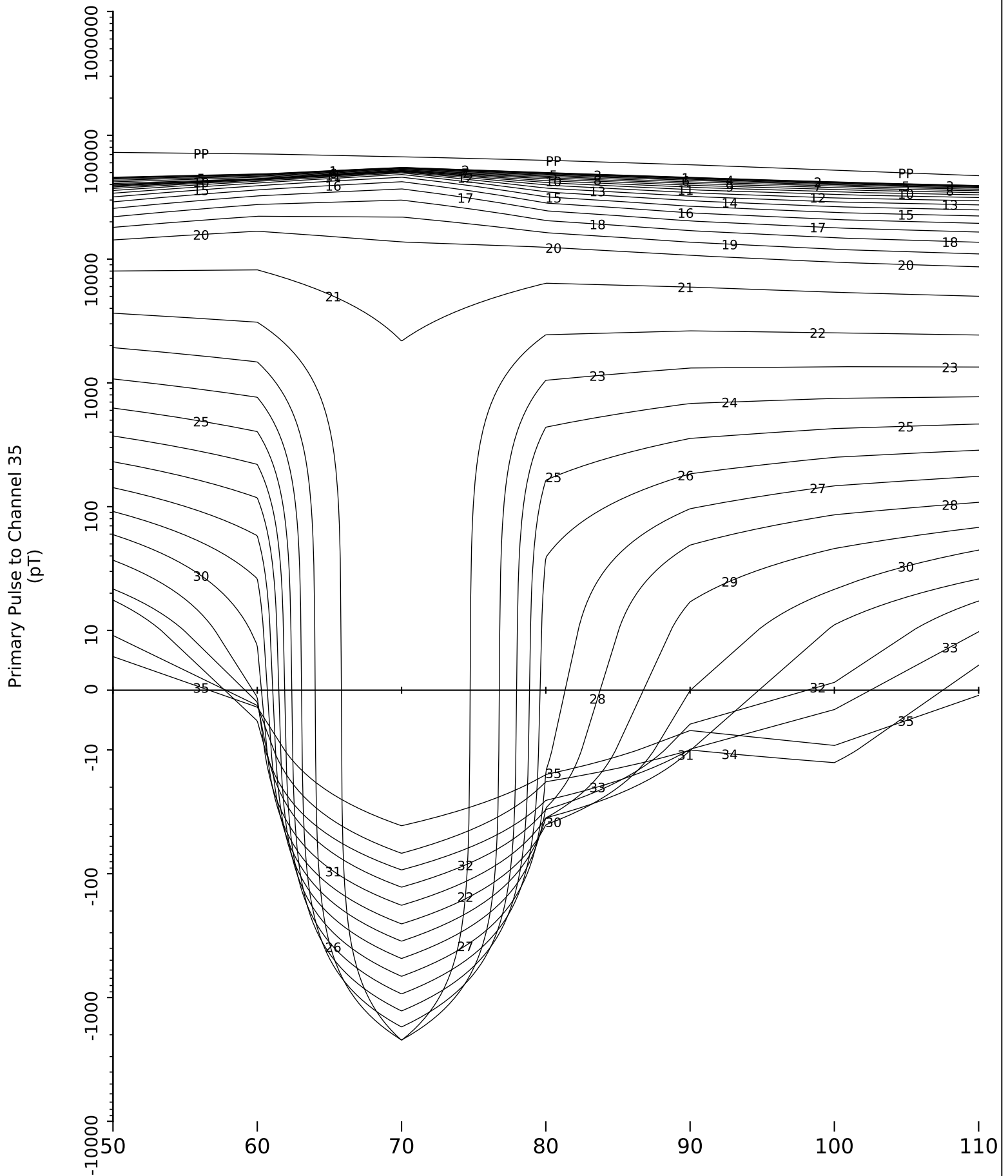


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Z Component

Orford Mining
West Raglan
July 13, 2022

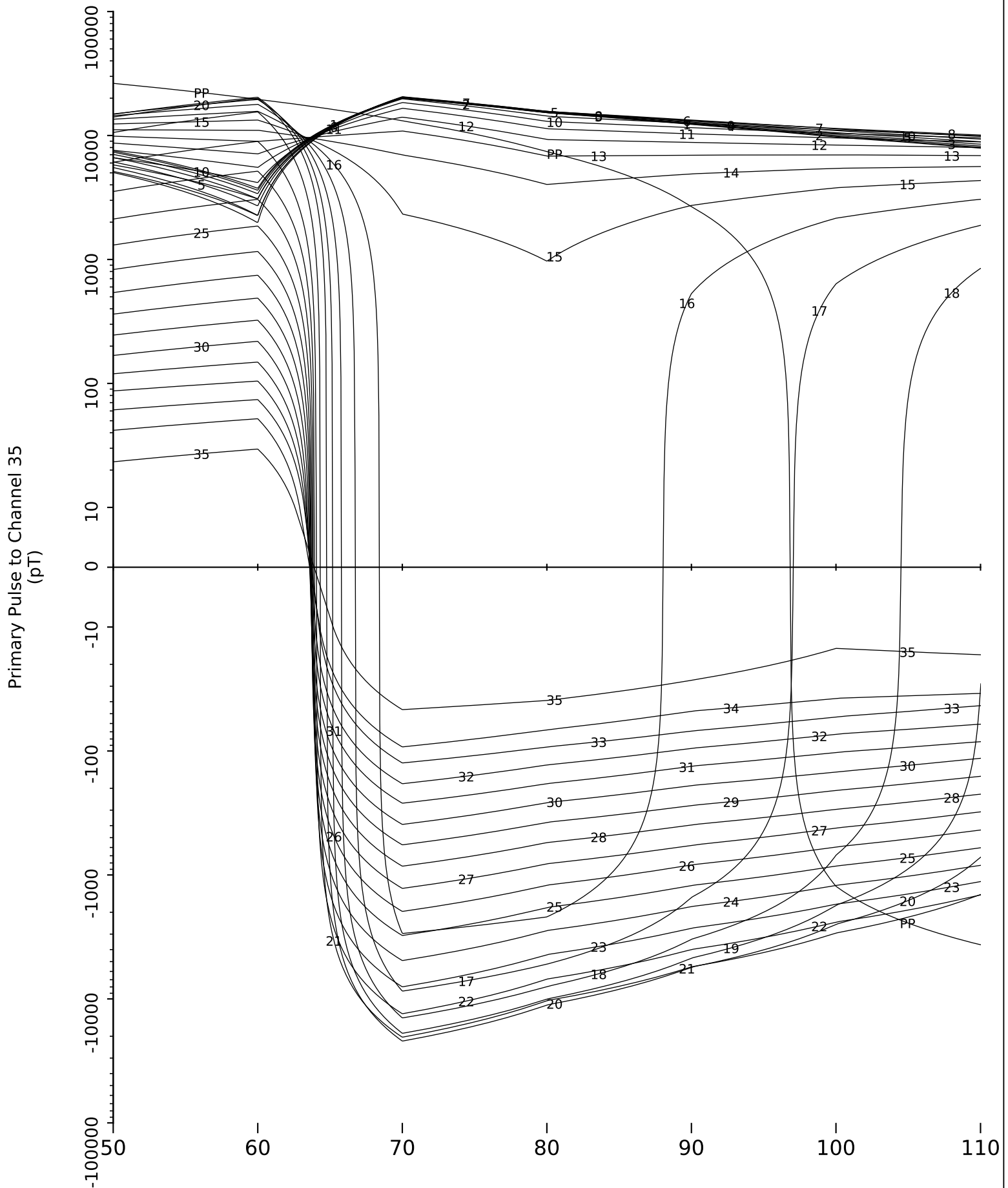


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
X Component

Orford Mining
West Raglan
July 13, 2022

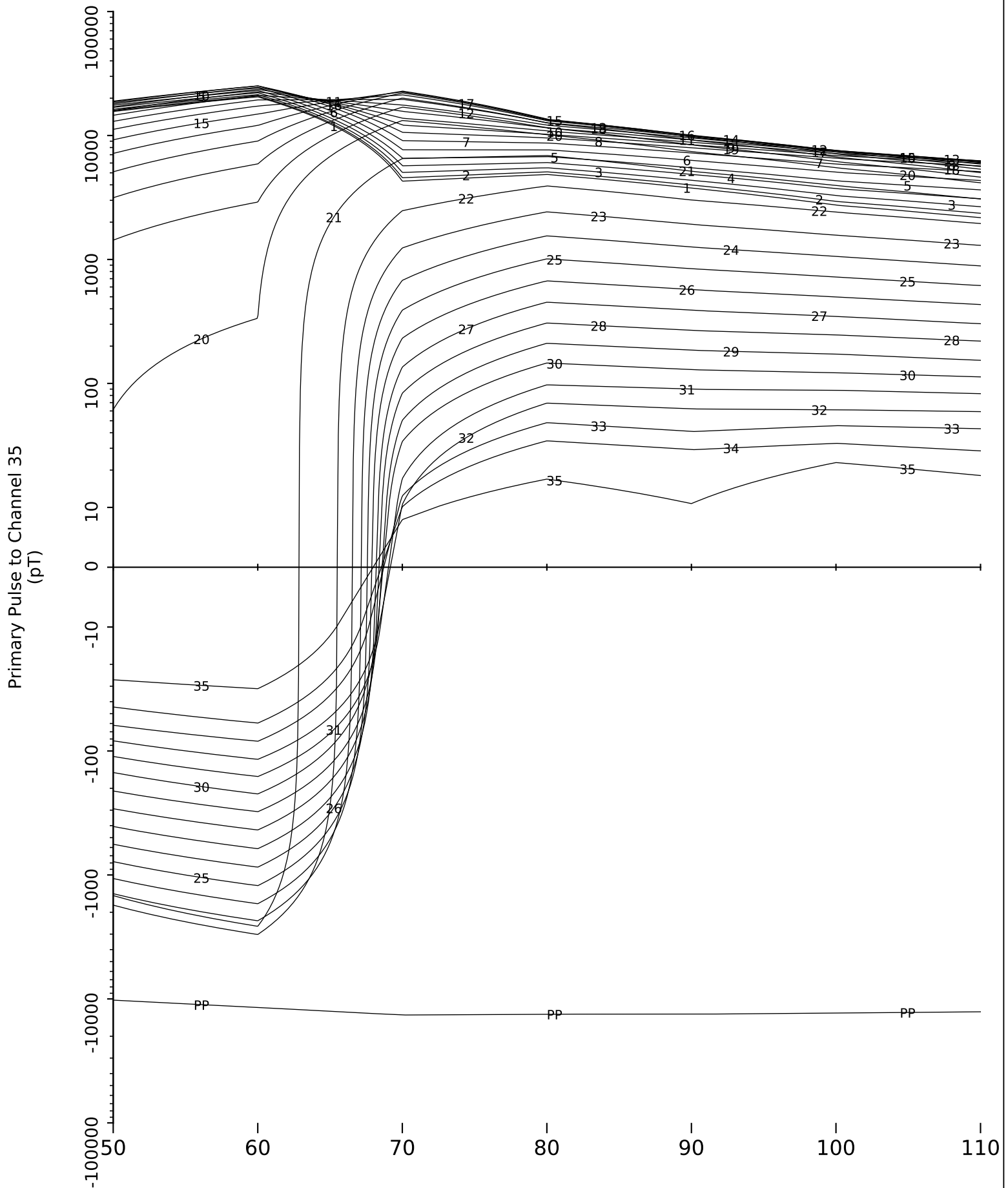


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Y Component

Orford Mining
West Raglan
July 13, 2022

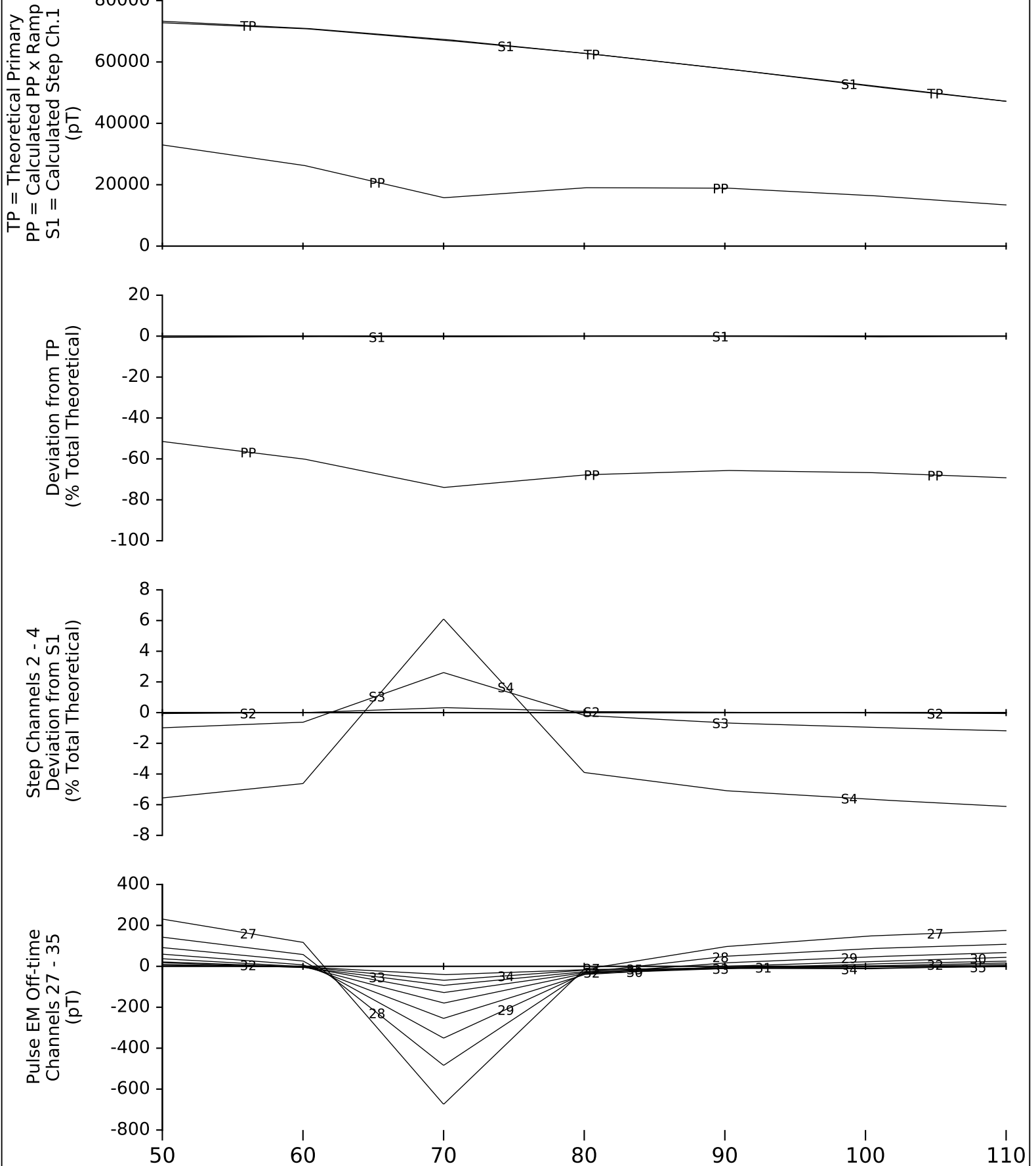


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Z Component

Orford Mining
West Raglan
July 13, 2022

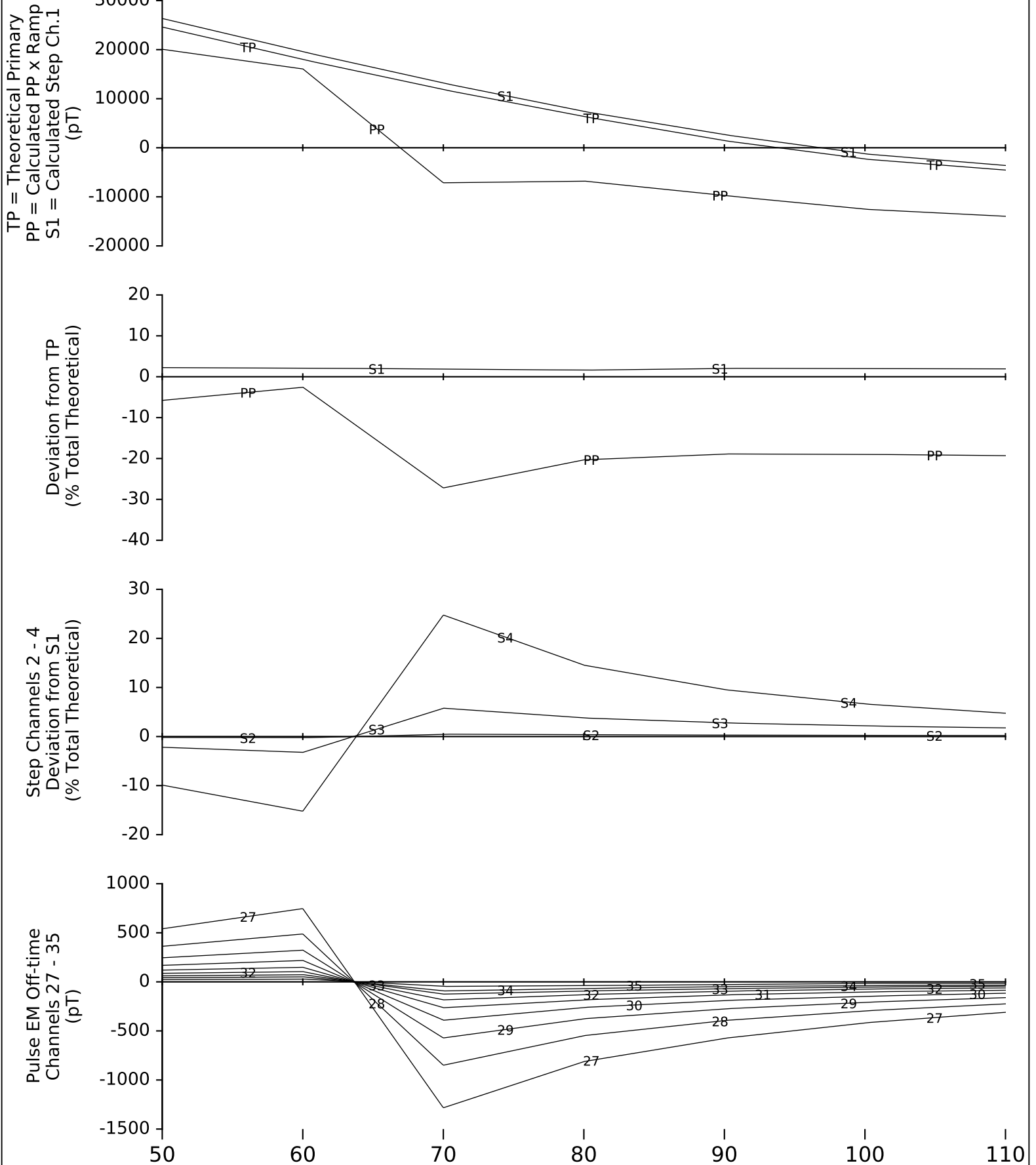


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
X Component

Orford Mining
West Raglan
July 13, 2022

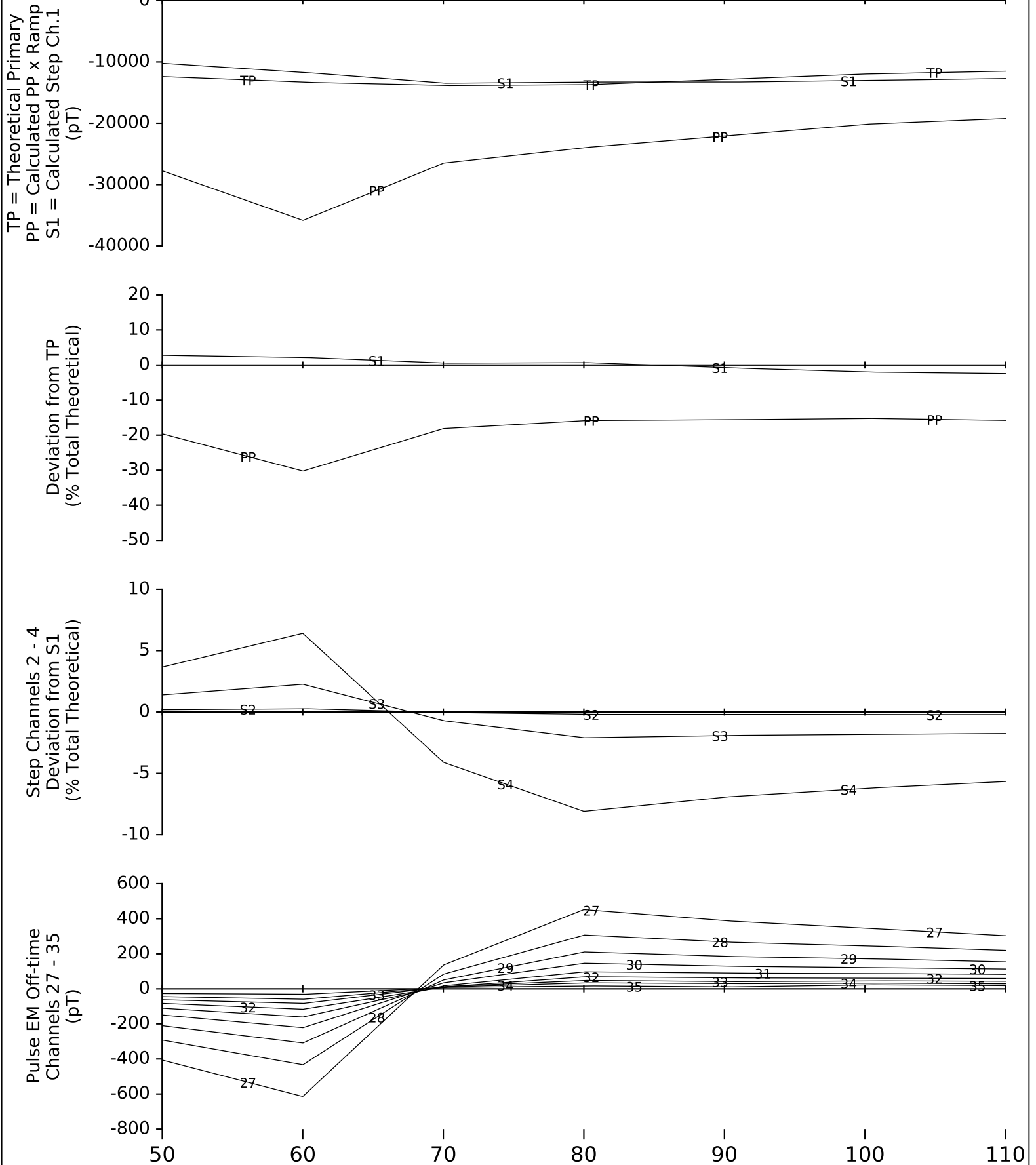


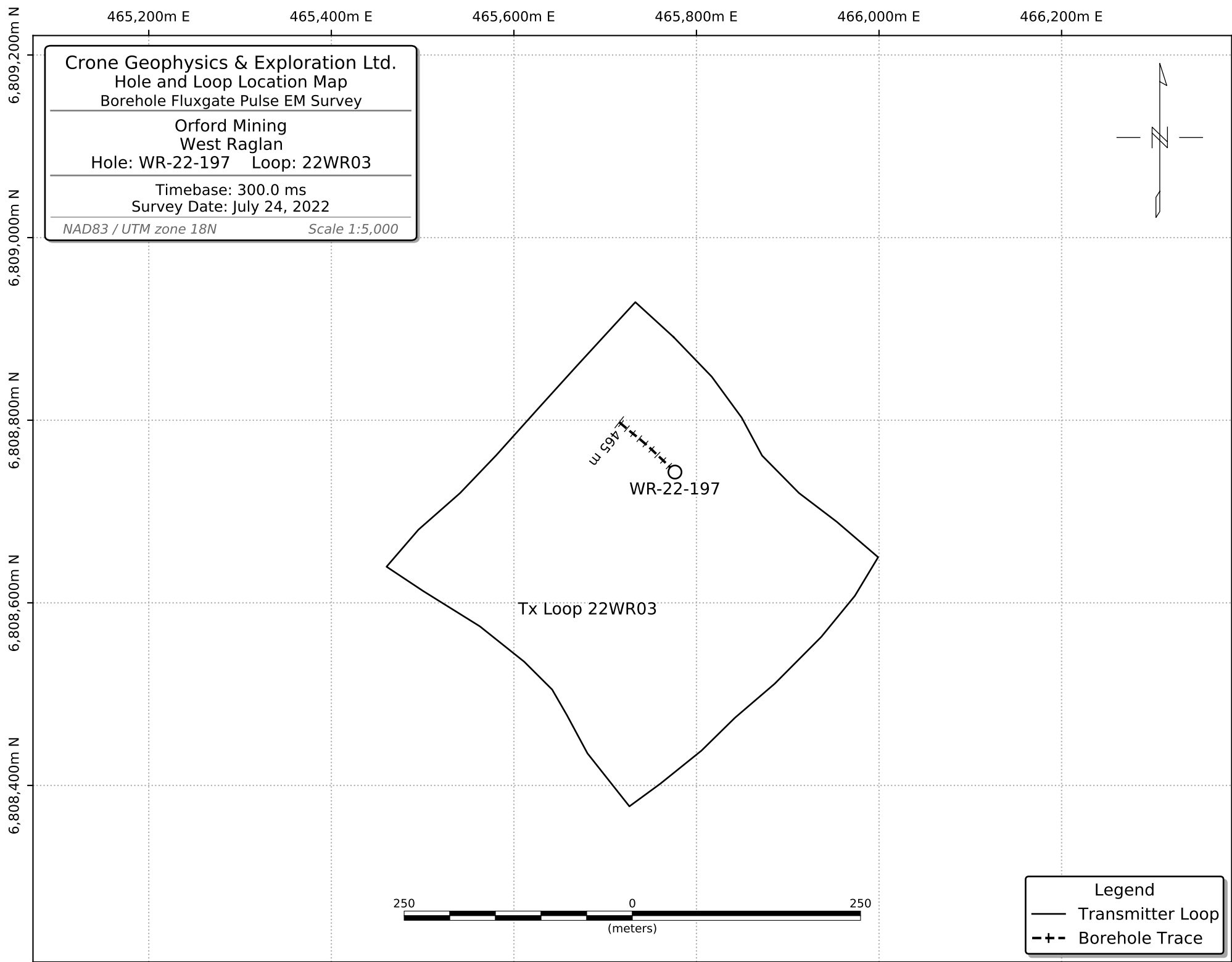
Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.3 A

Hole: WR-22-196
Loop: 22WR02
Y Component

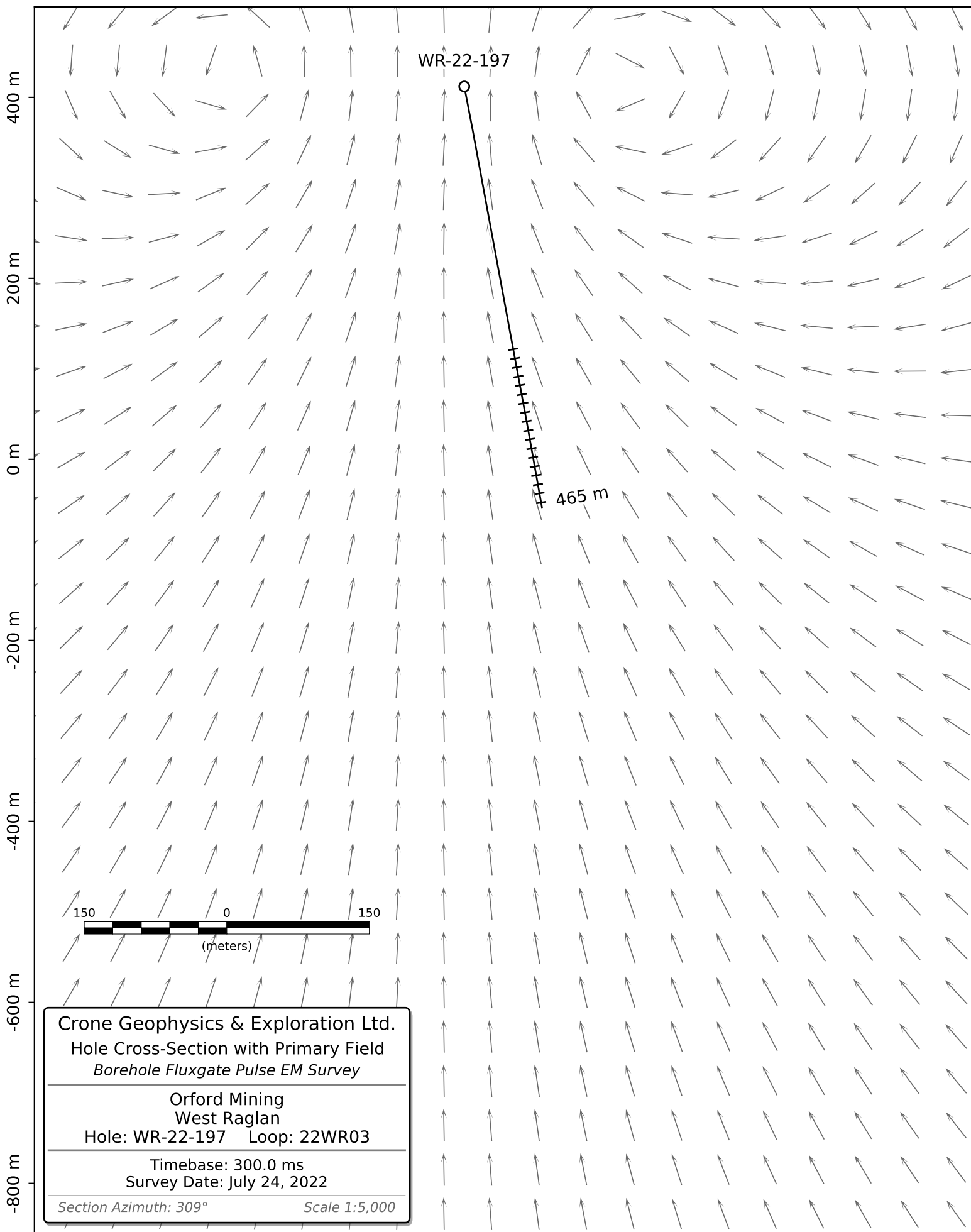
Orford Mining
West Raglan
July 13, 2022





466,130m E
6,808,461m N

465,363m E
6,809,083m N

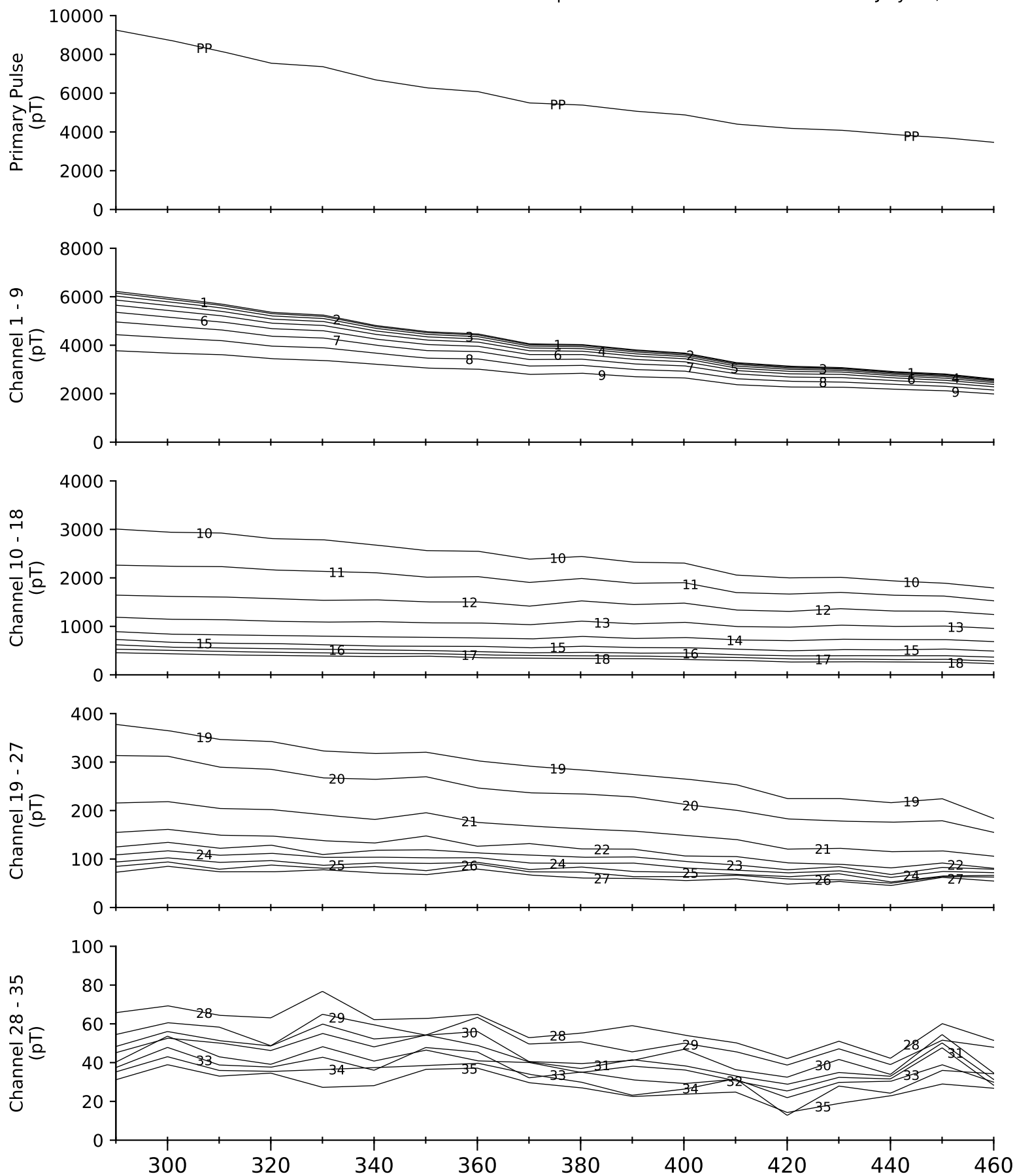


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Z Component

Orford Mining
West Raglan
July 24, 2022

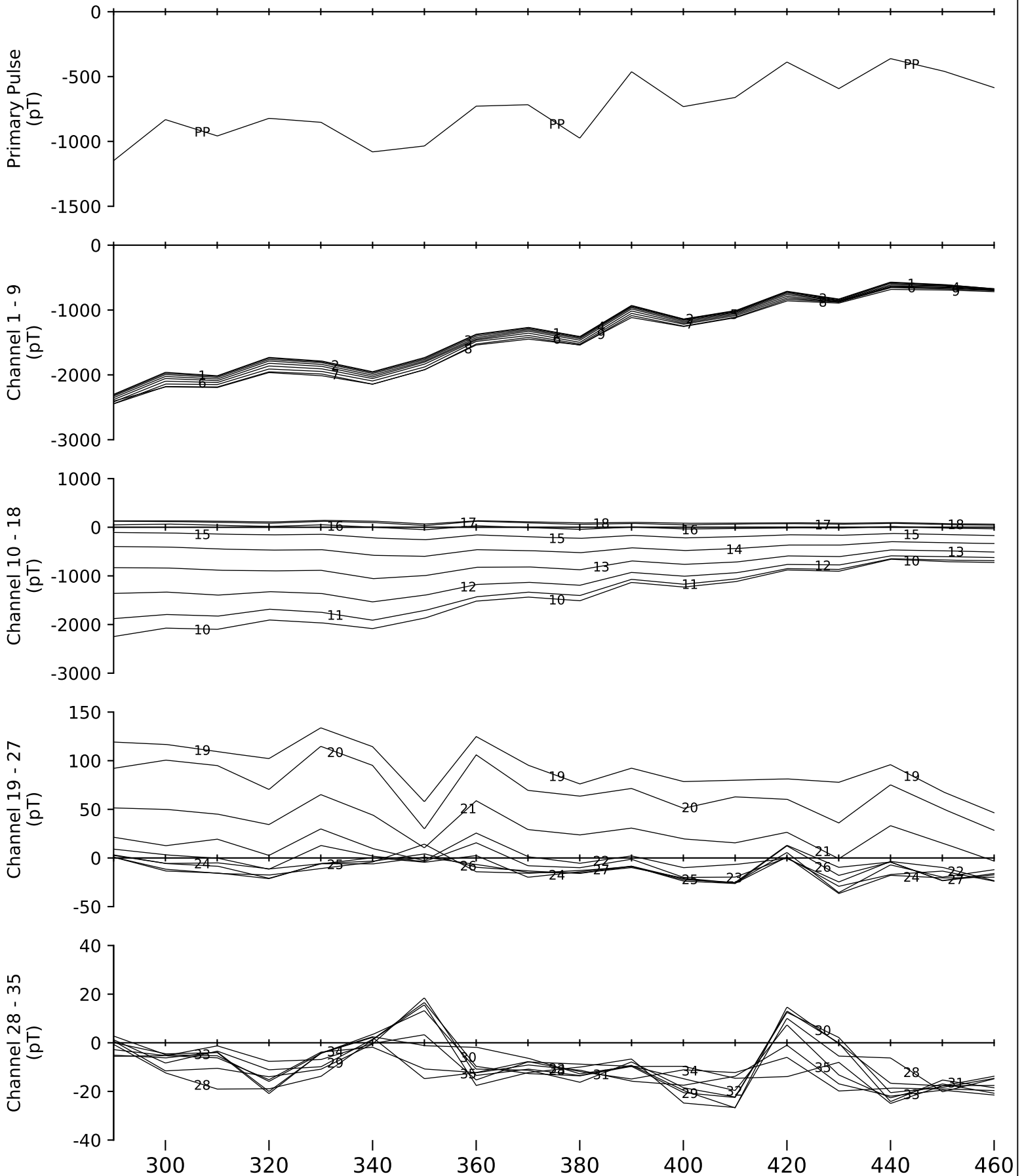


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
X Component

Orford Mining
West Raglan
July 24, 2022

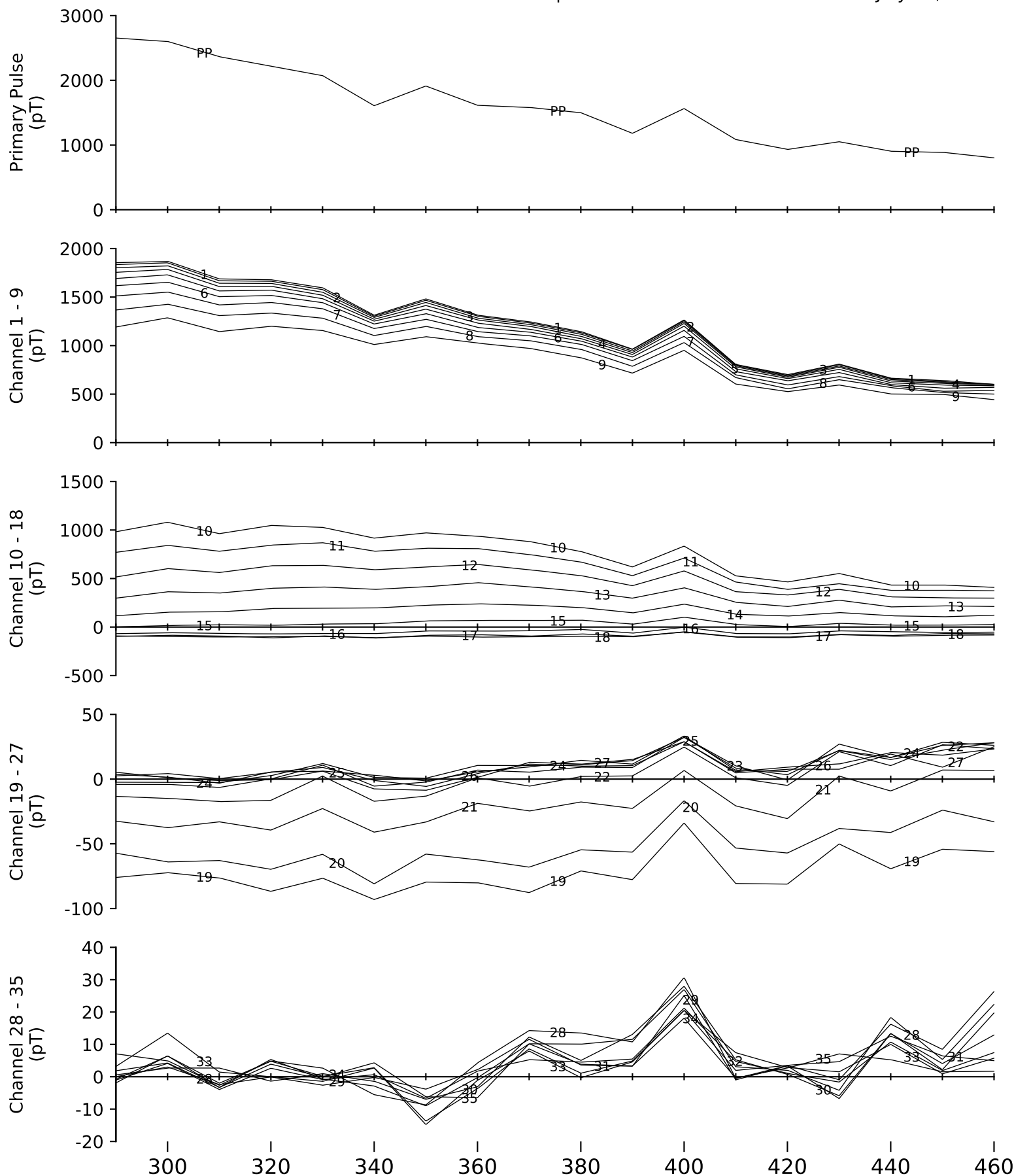


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Y Component

Orford Mining
West Raglan
July 24, 2022

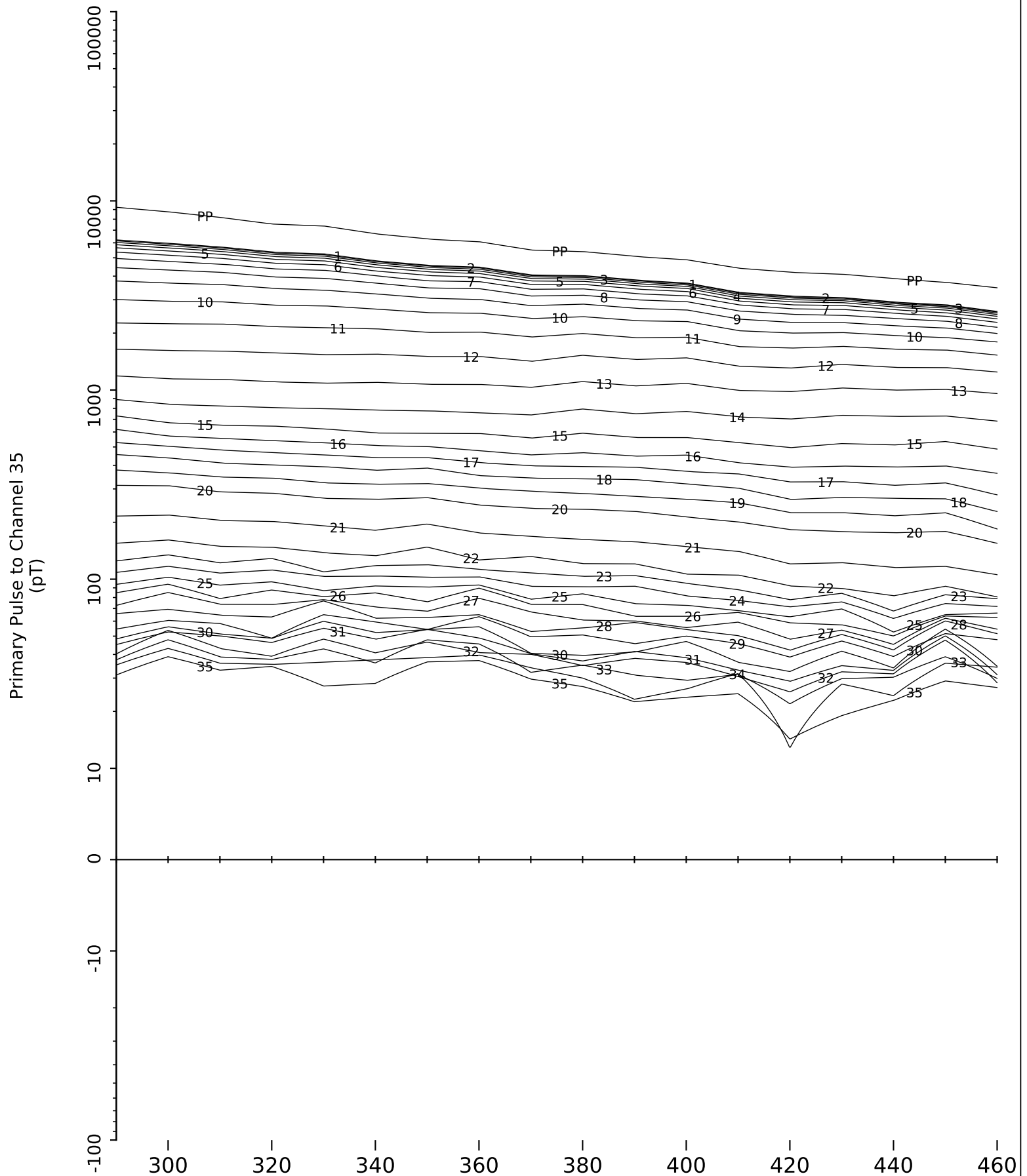


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Z Component

Orford Mining
West Raglan
July 24, 2022

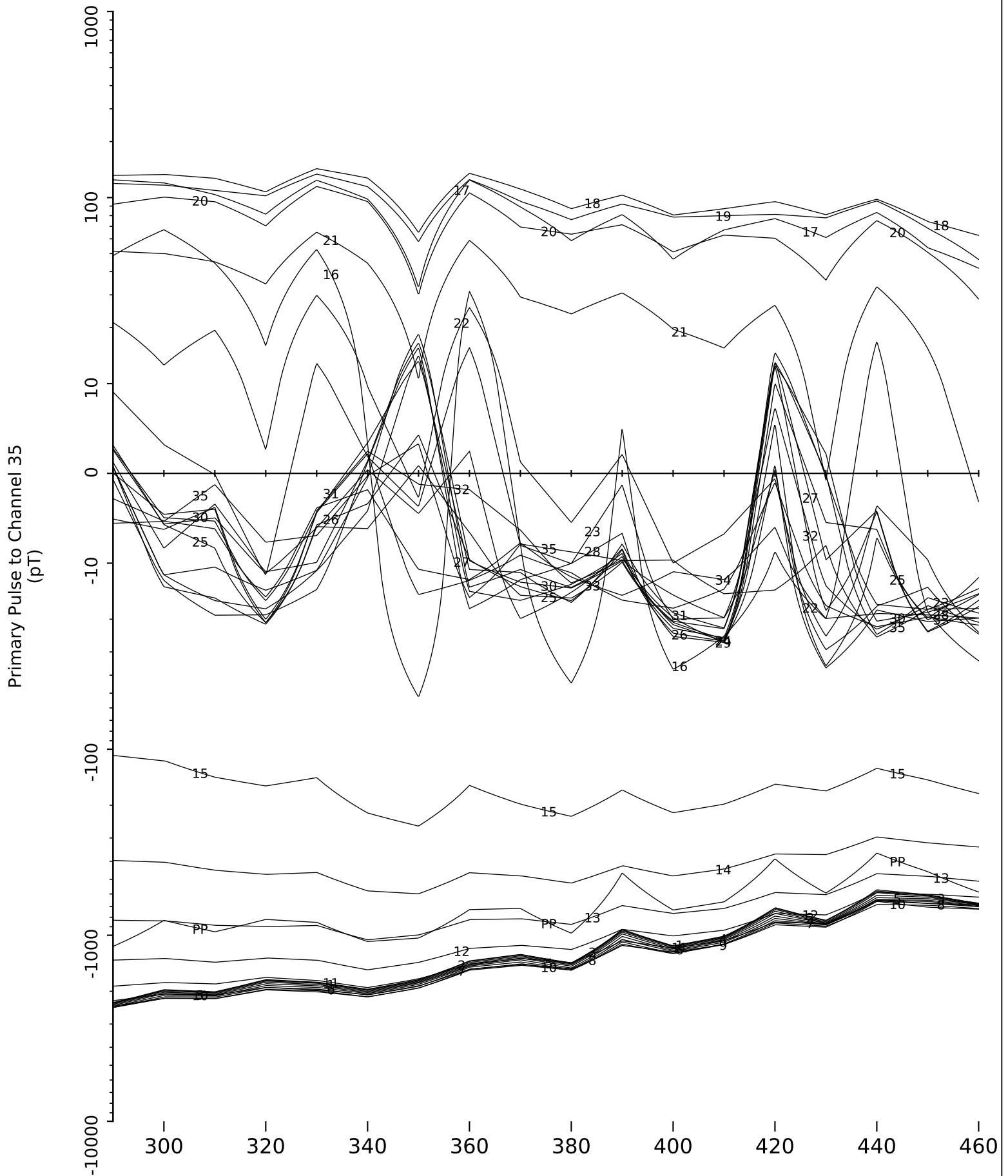


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
X Component

Orford Mining
West Raglan
July 24, 2022

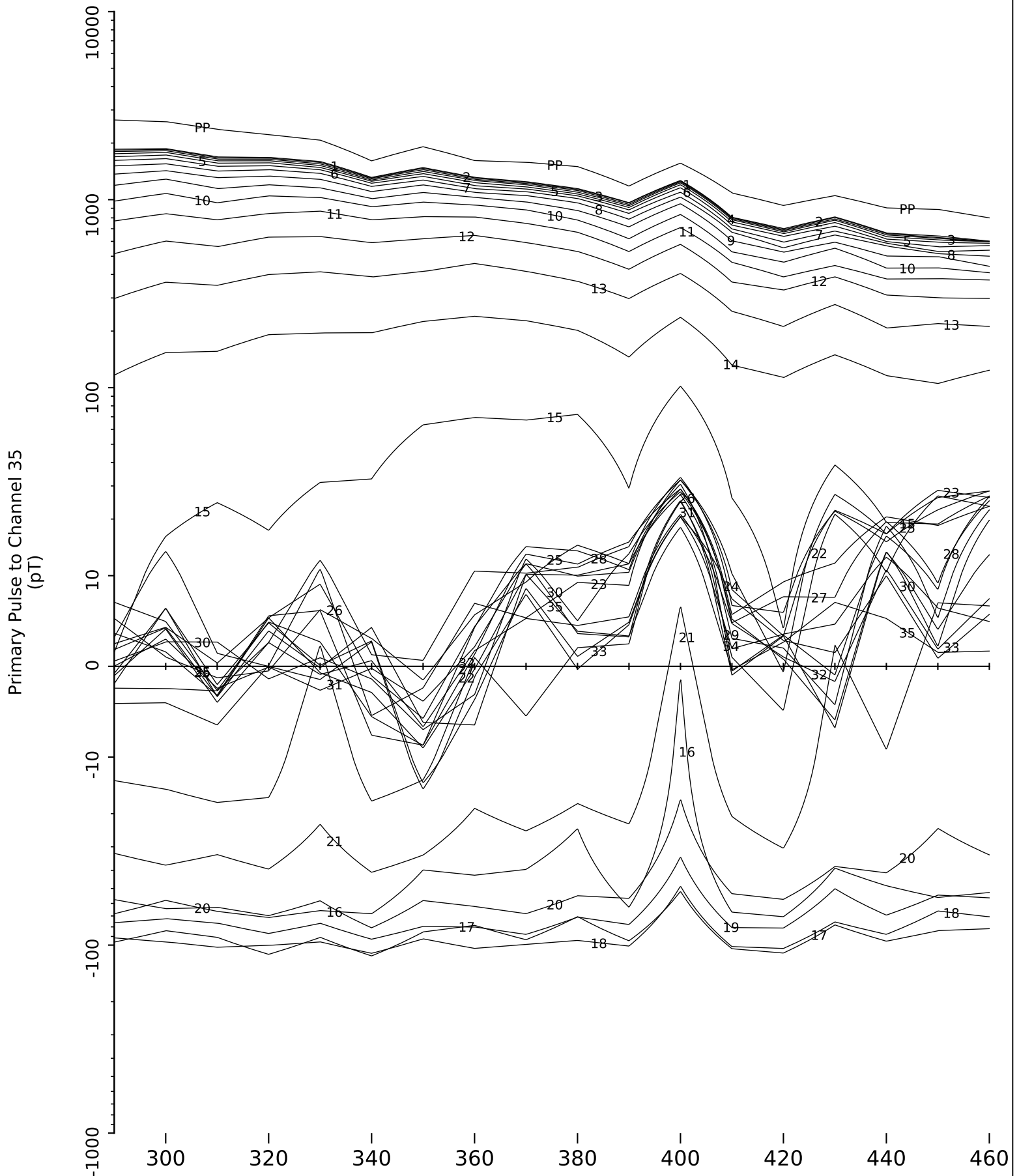


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Y Component

Orford Mining
West Raglan
July 24, 2022

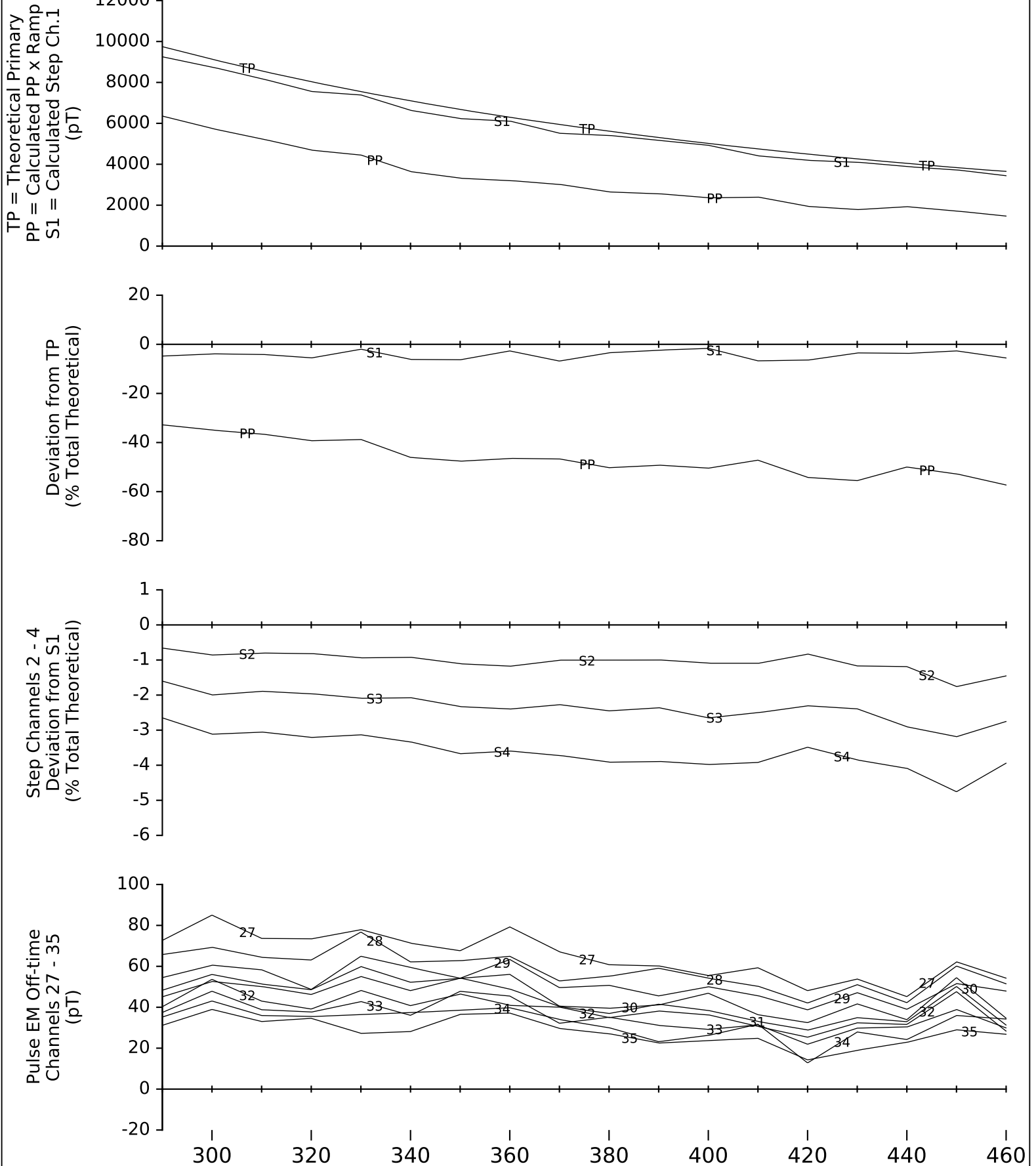


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Z Component

Orford Mining
West Raglan
July 24, 2022

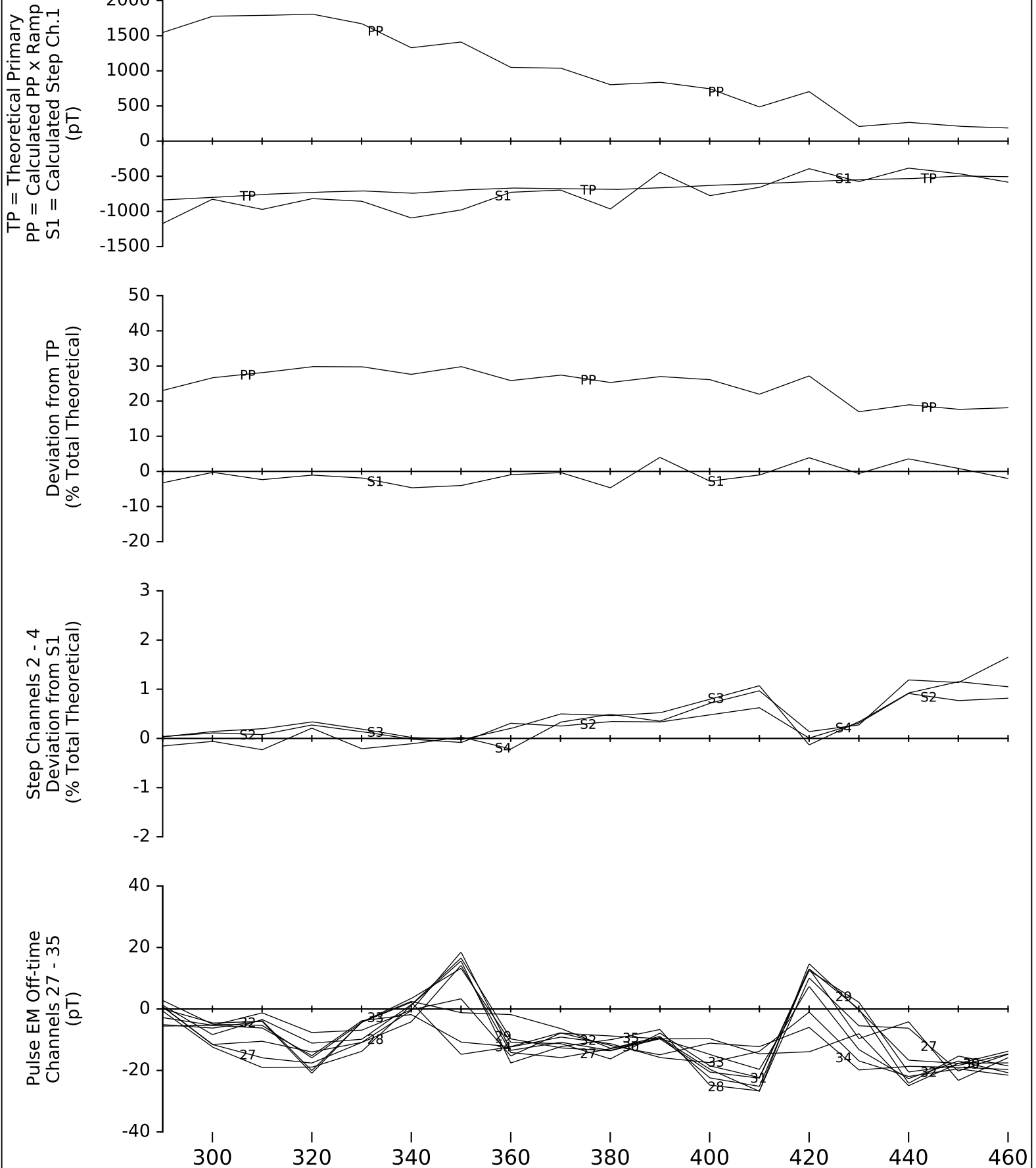


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
X Component

Orford Mining
West Raglan
July 24, 2022

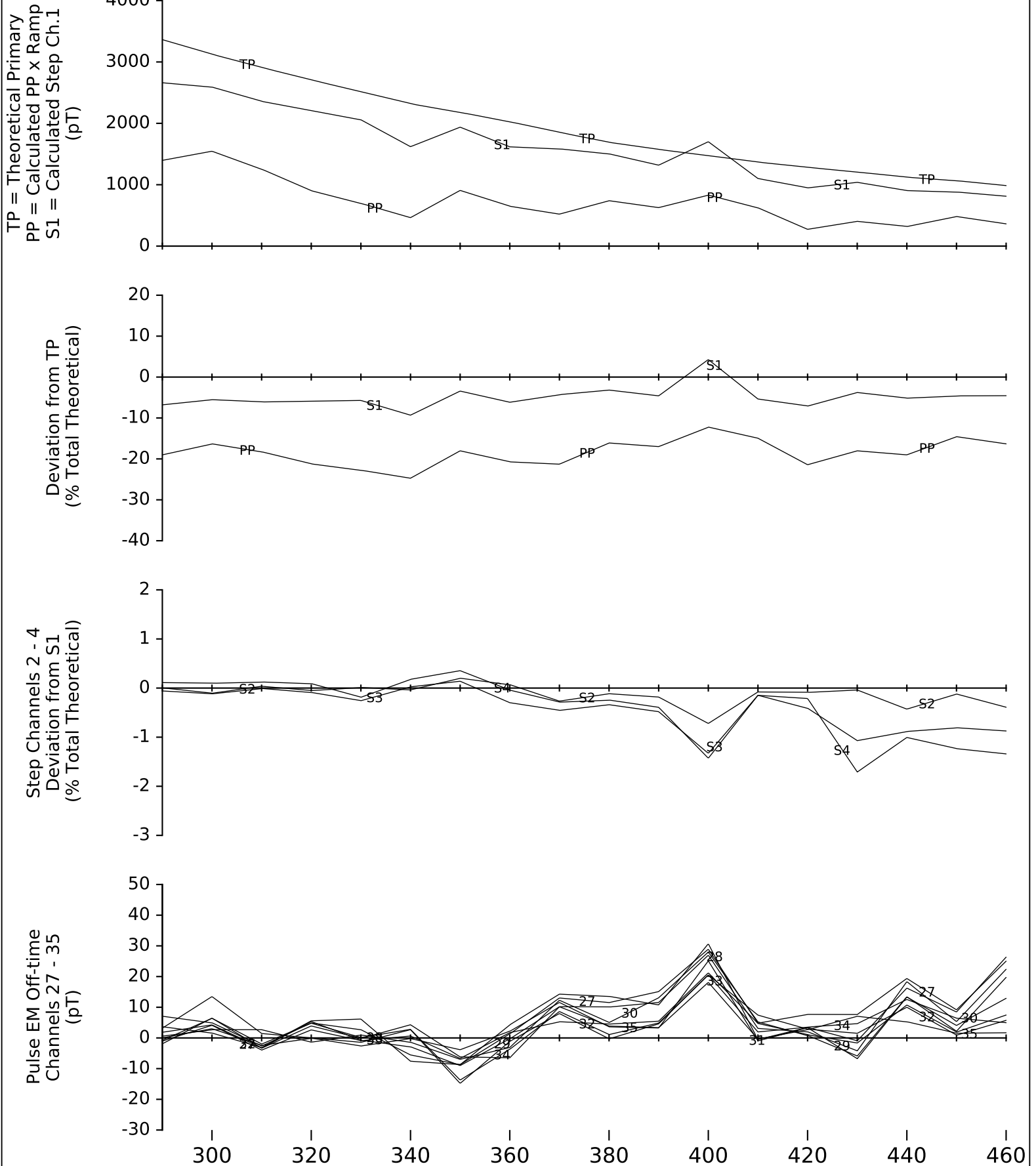


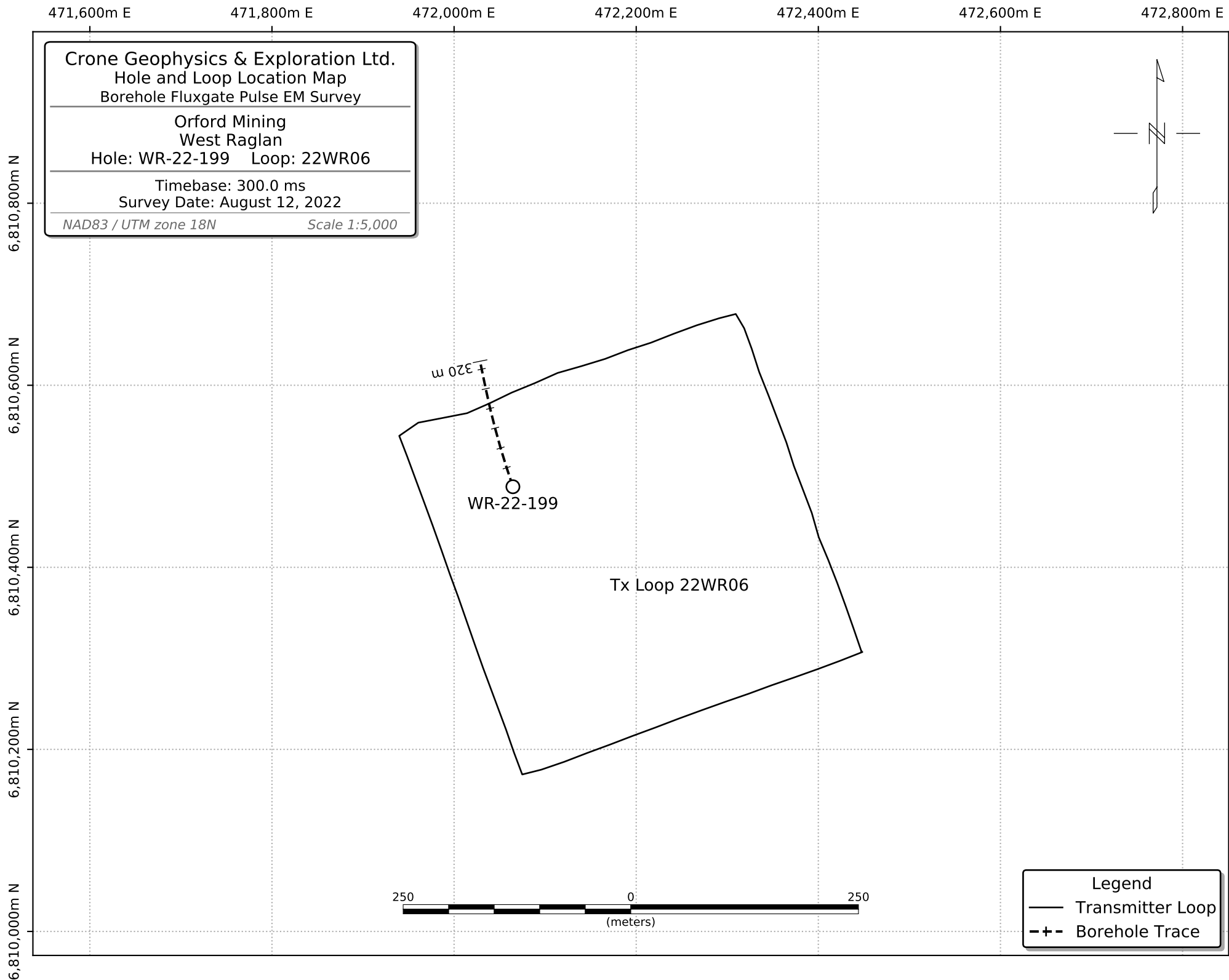
Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-197
Loop: 22WR03
Y Component

Orford Mining
West Raglan
July 24, 2022



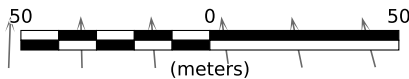


472,084m E
6,810,364m N

472,003m E
6,810,751m N

WR-22-199

320 m



Crone Geophysics & Exploration Ltd.
Hole Cross-Section with Primary Field
Borehole Fluxgate Pulse EM Survey

Orford Mining
West Raglan
Hole: WR-22-199 Loop: 22WR06

Timebase: 300.0 ms
Survey Date: August 12, 2022

Section Azimuth: 348°

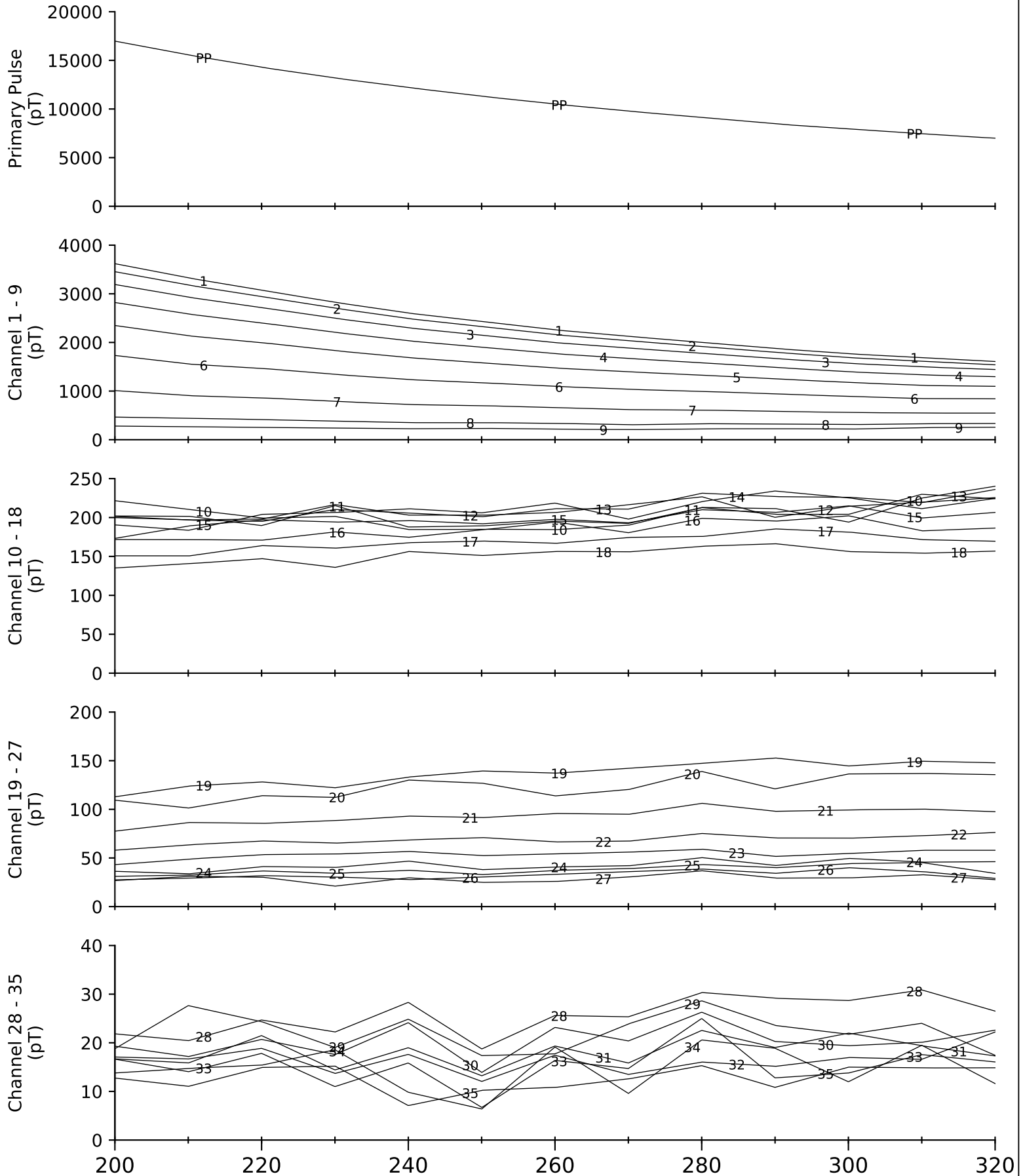
Scale 1:2,000

Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Z Component

Orford Mining
West Raglan
August 12, 2022

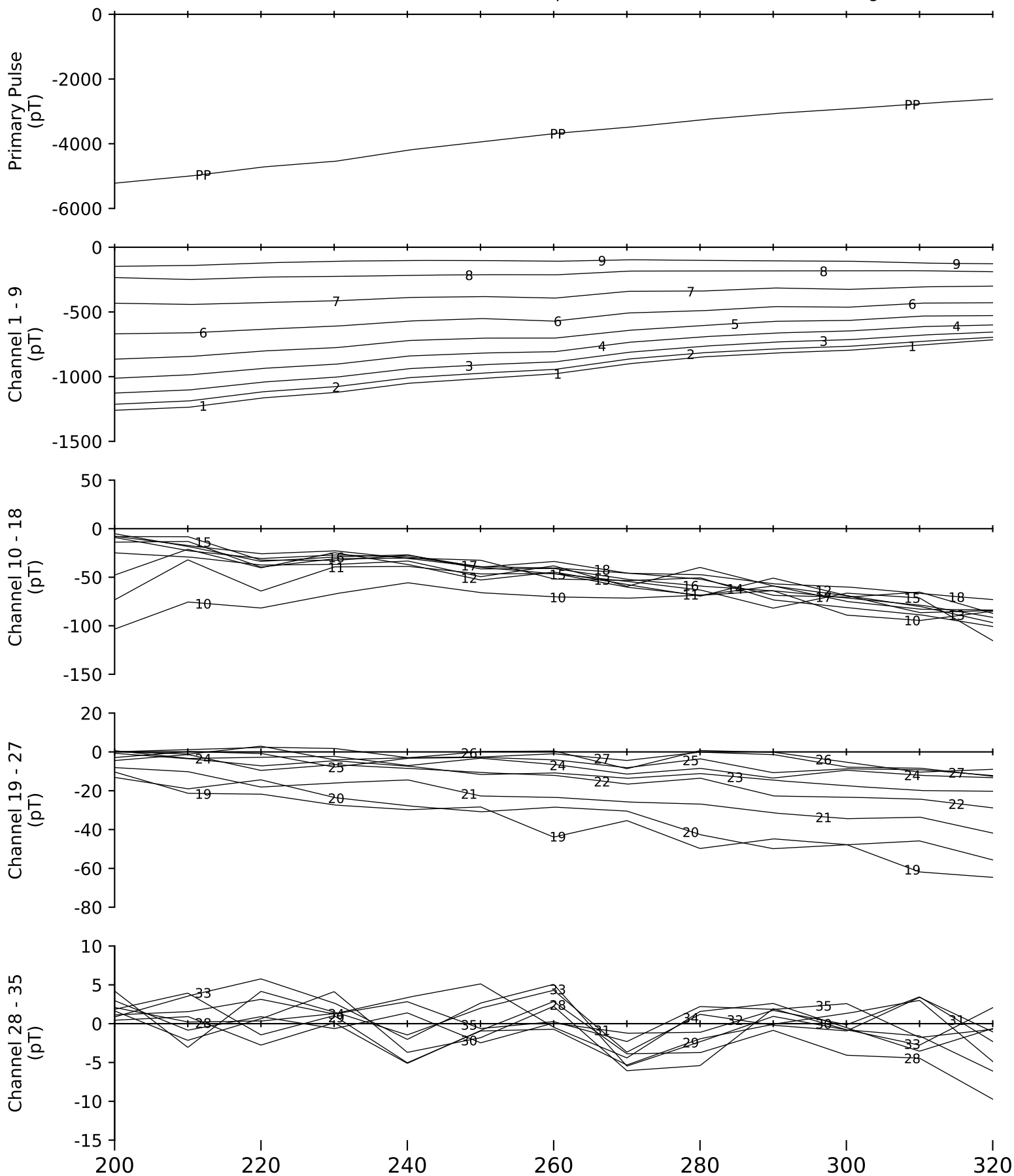


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
X Component

Orford Mining
West Raglan
August 12, 2022

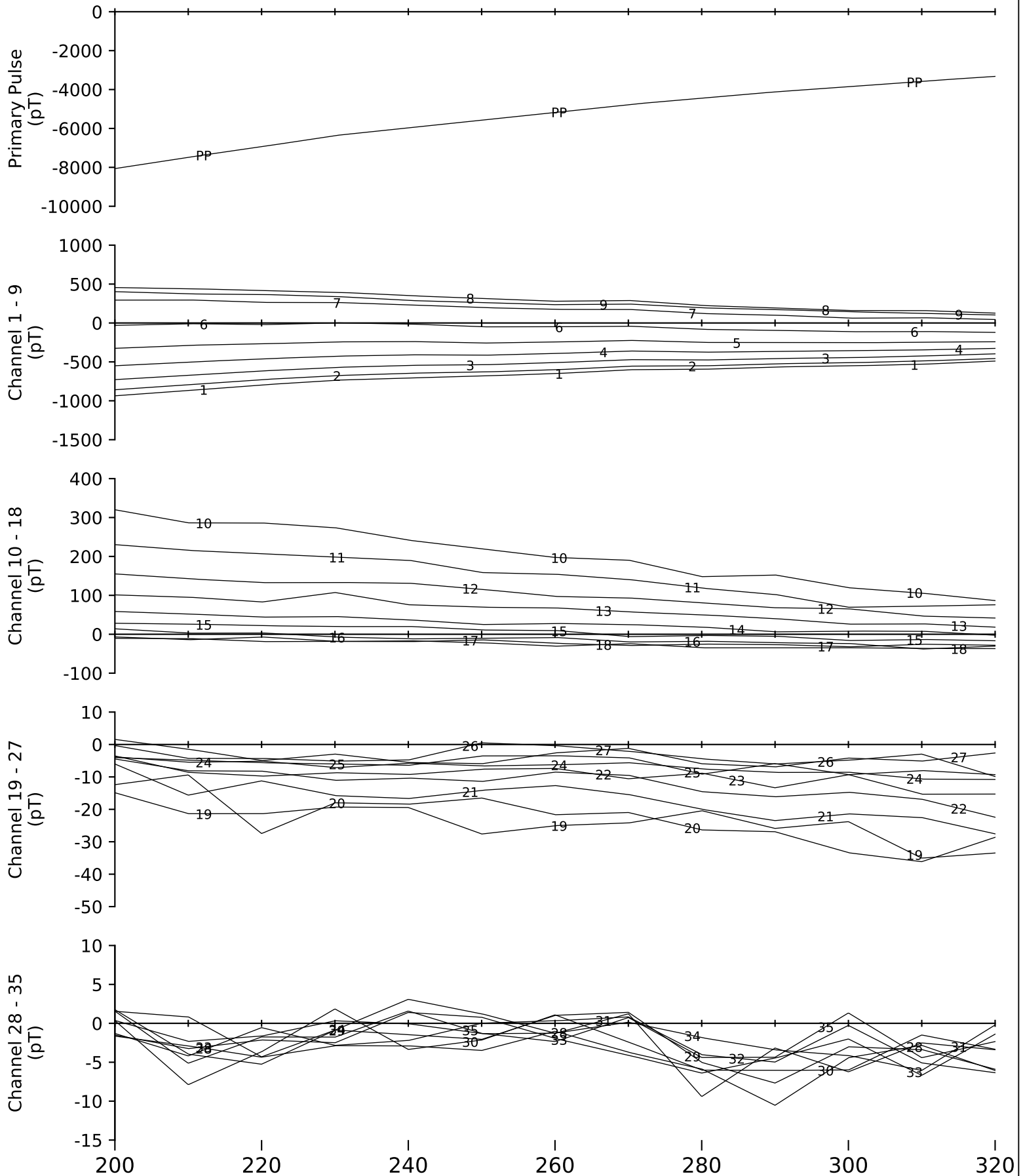


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Y Component

Orford Mining
West Raglan
August 12, 2022

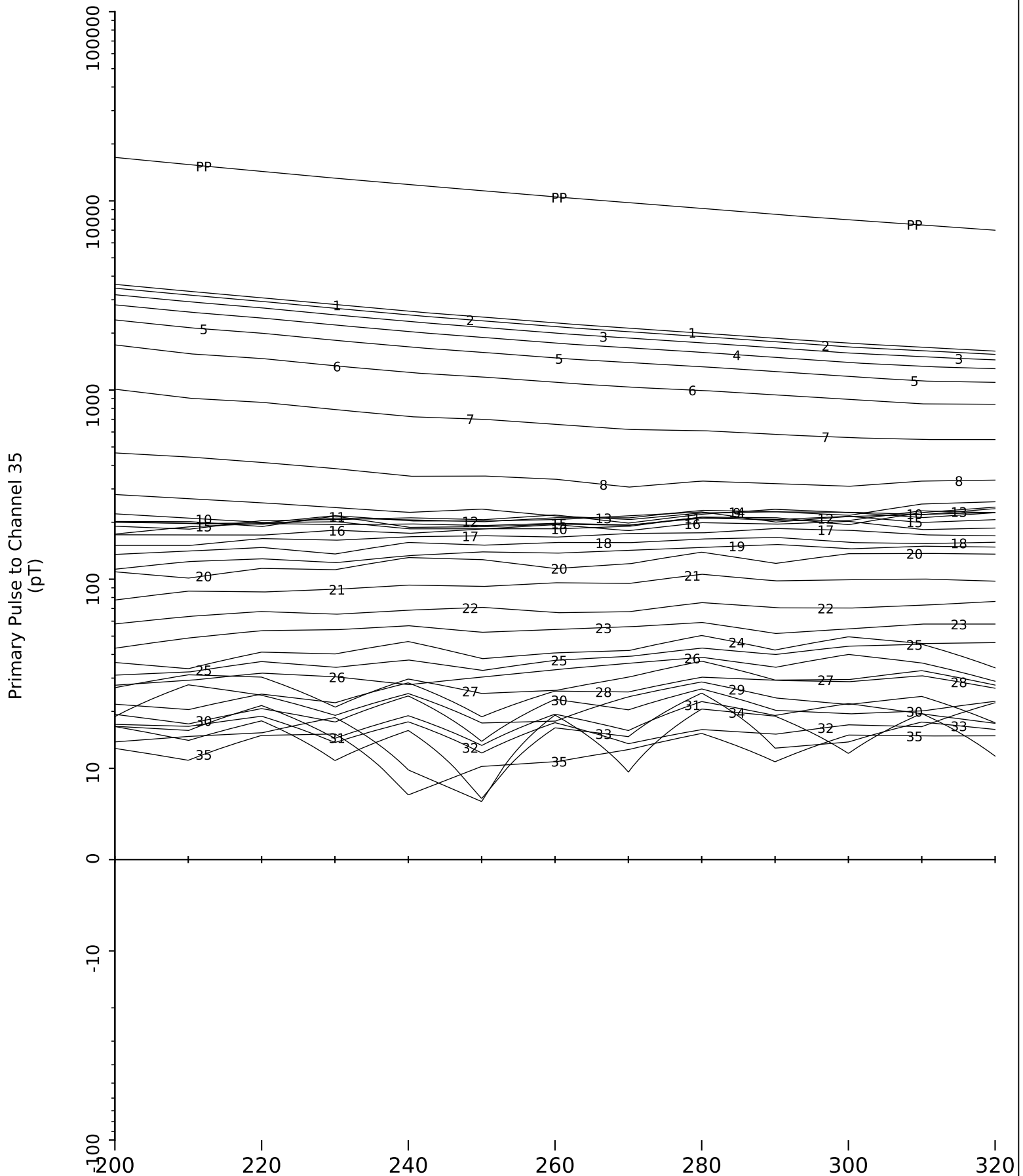


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Z Component

Orford Mining
West Raglan
August 12, 2022

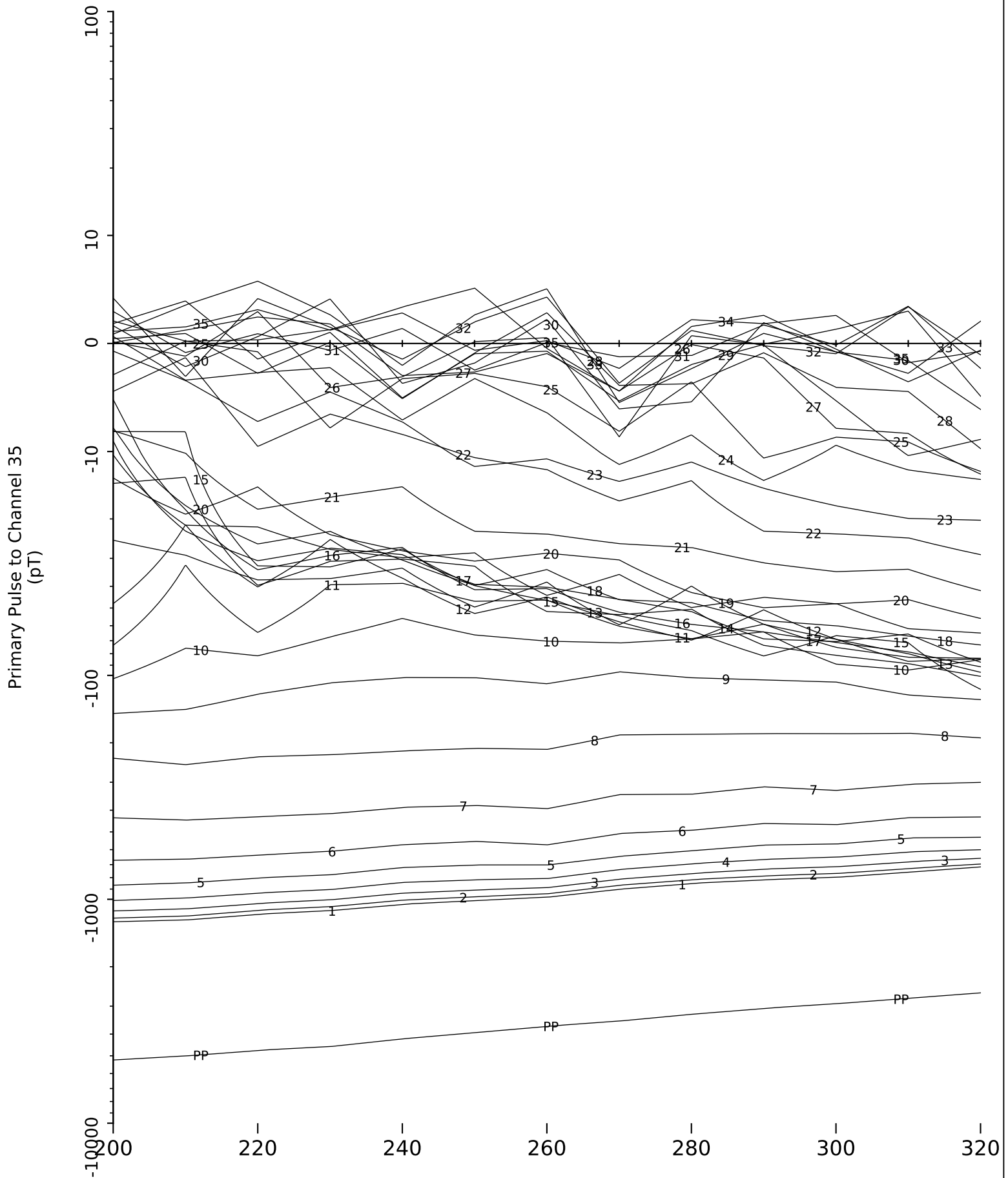


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
X Component

Orford Mining
West Raglan
August 12, 2022

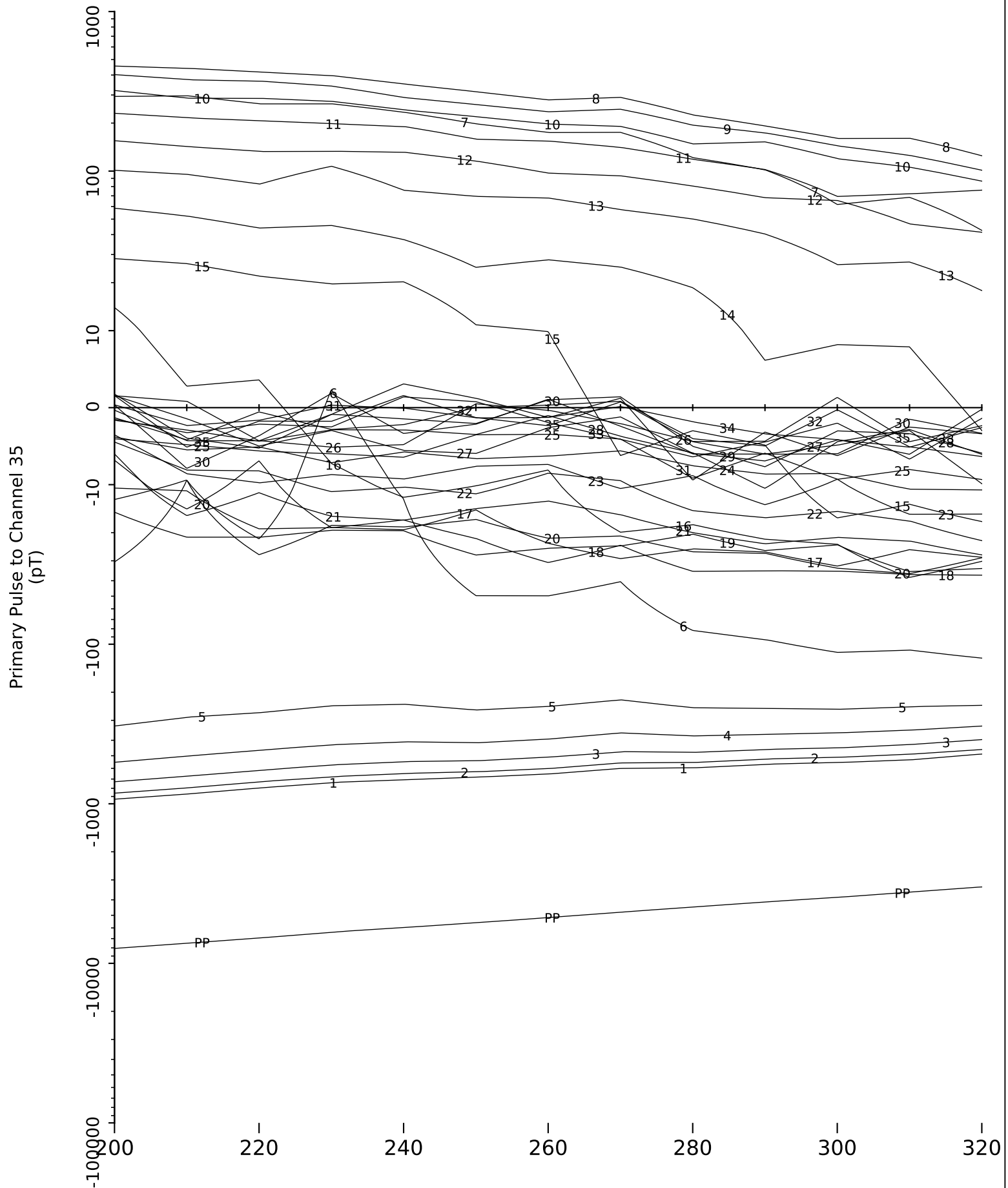


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Y Component

Orford Mining
West Raglan
August 12, 2022

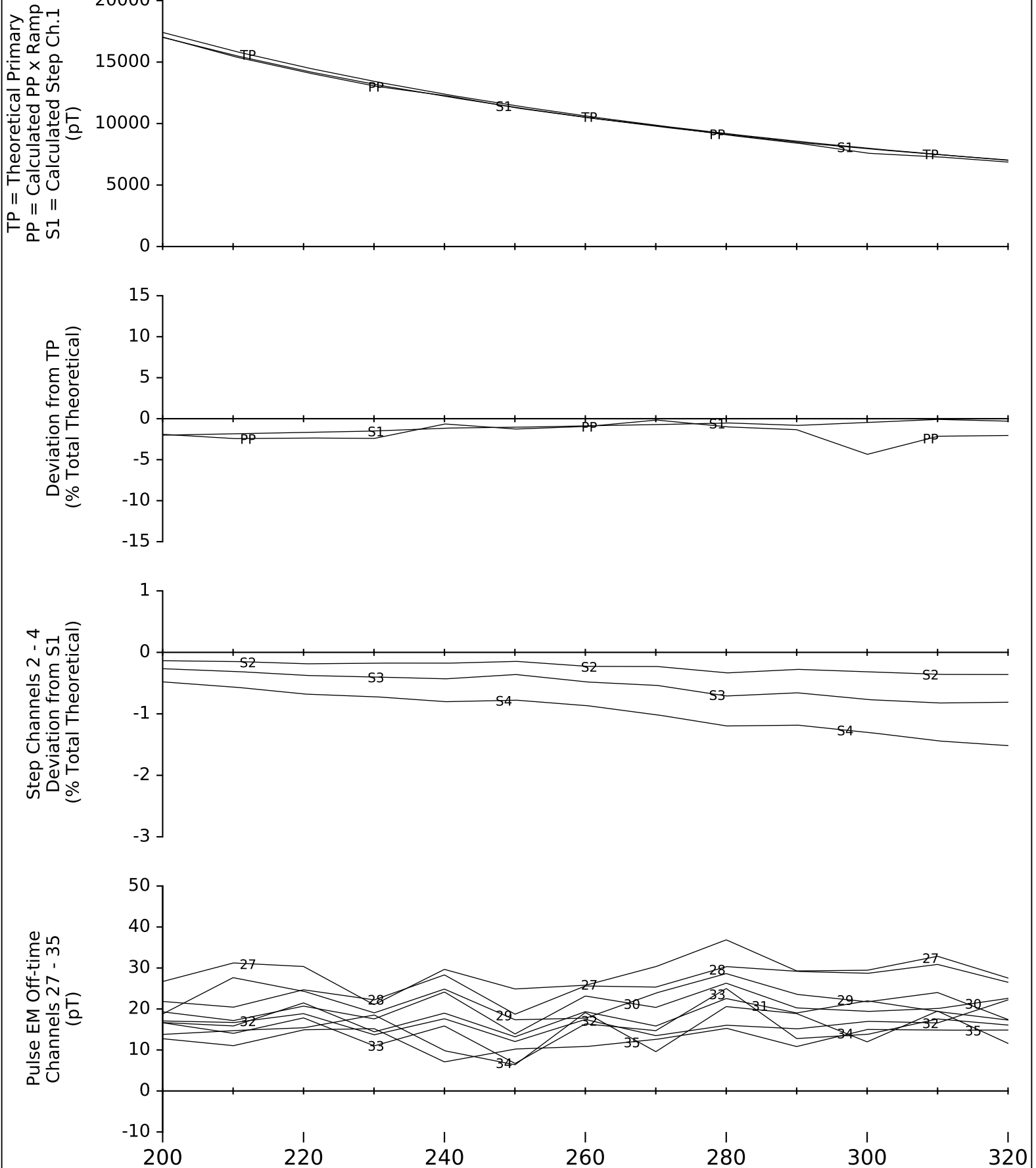


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Z Component

Orford Mining
West Raglan
August 12, 2022

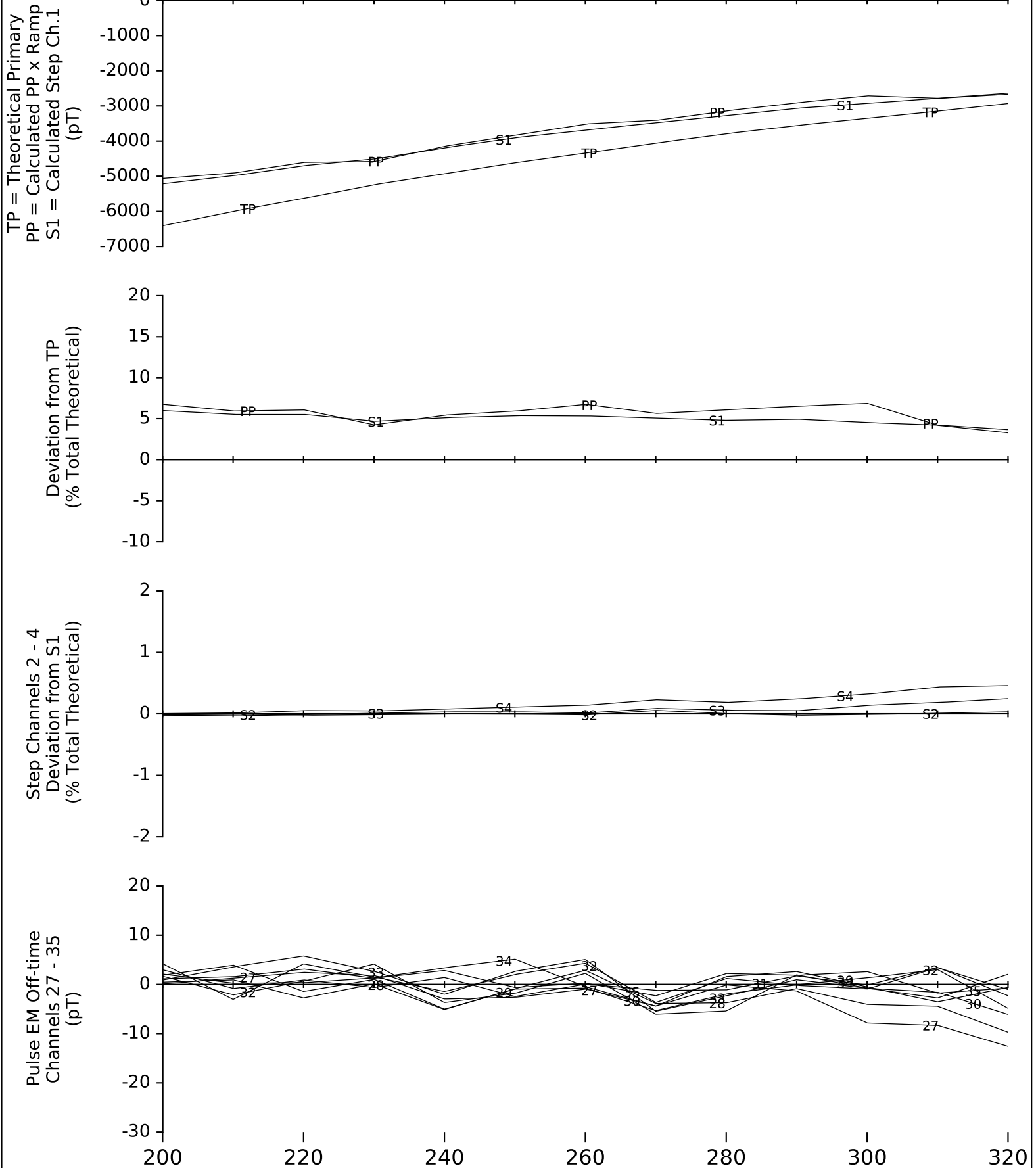


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
X Component

Orford Mining
West Raglan
August 12, 2022

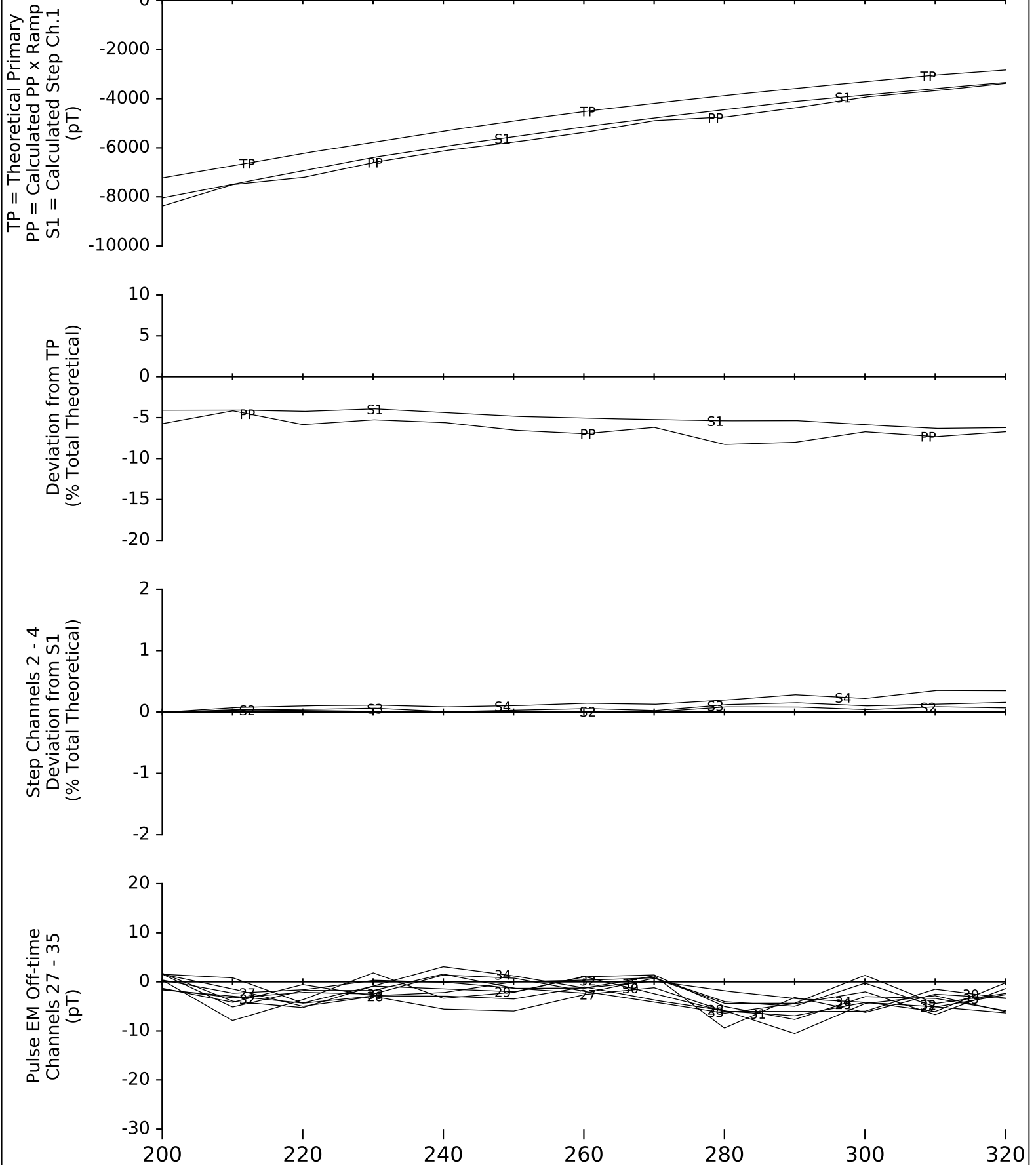


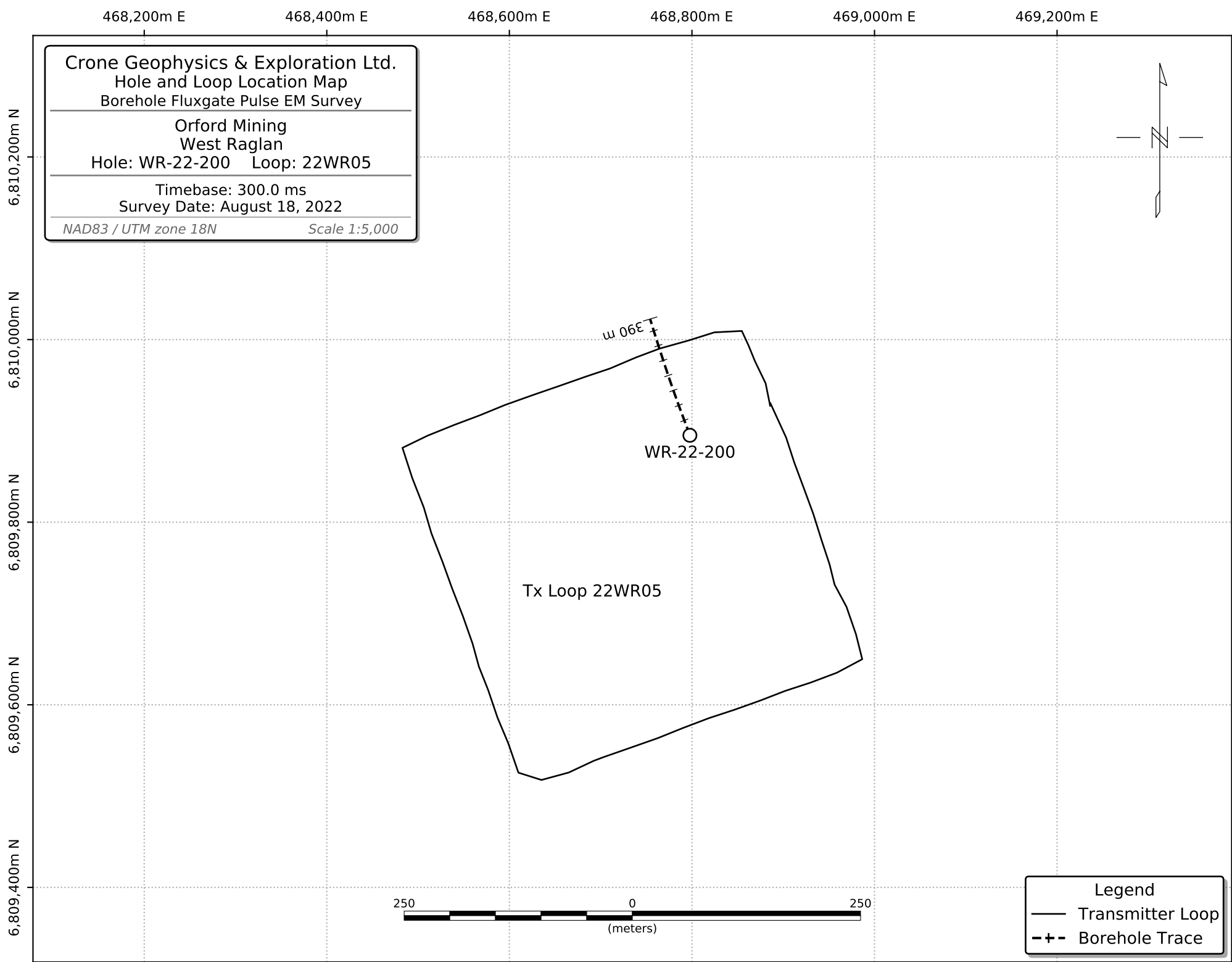
Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

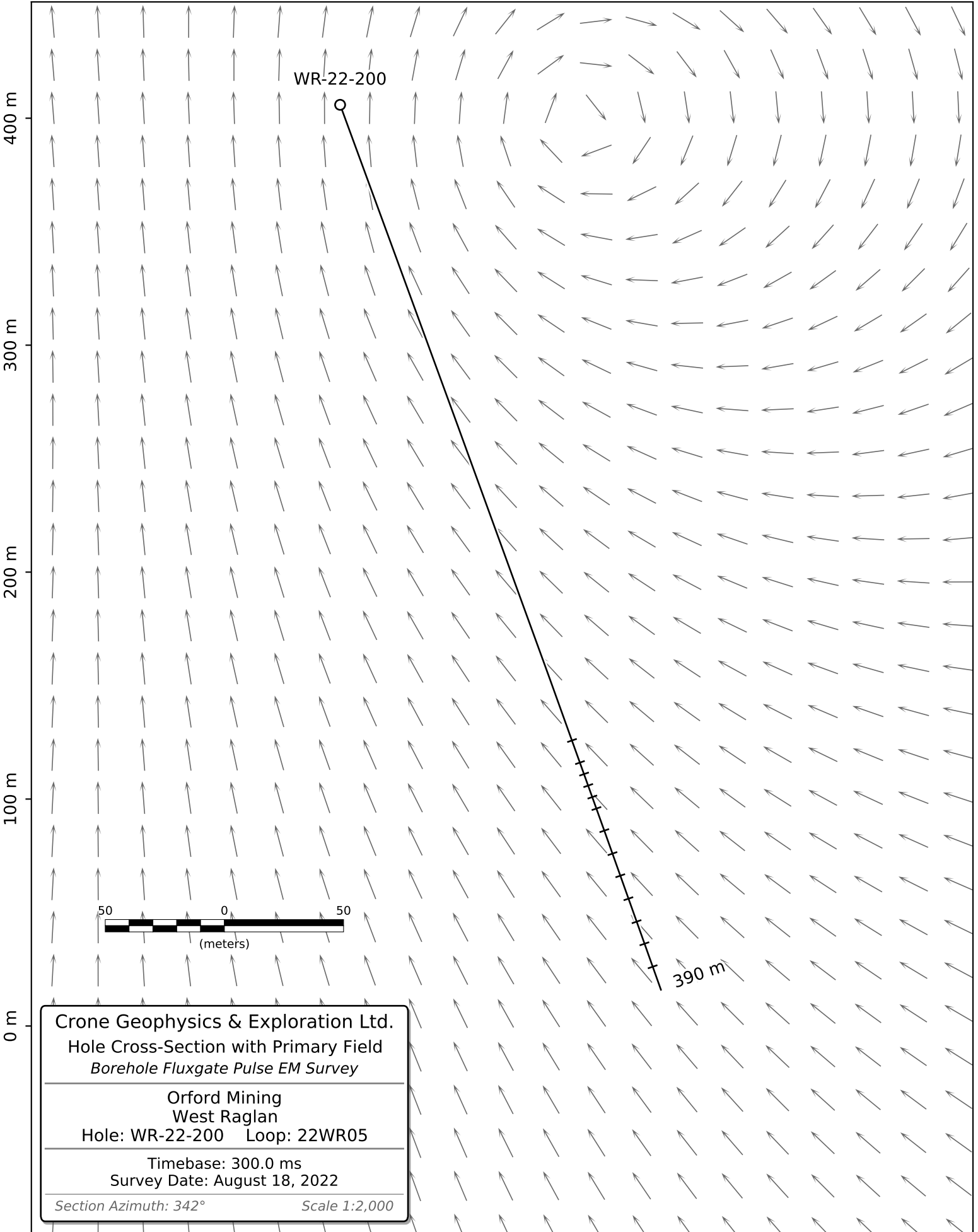
Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.2 A

Hole: WR-22-199
Loop: 22WR06
Y Component

Orford Mining
West Raglan
August 12, 2022





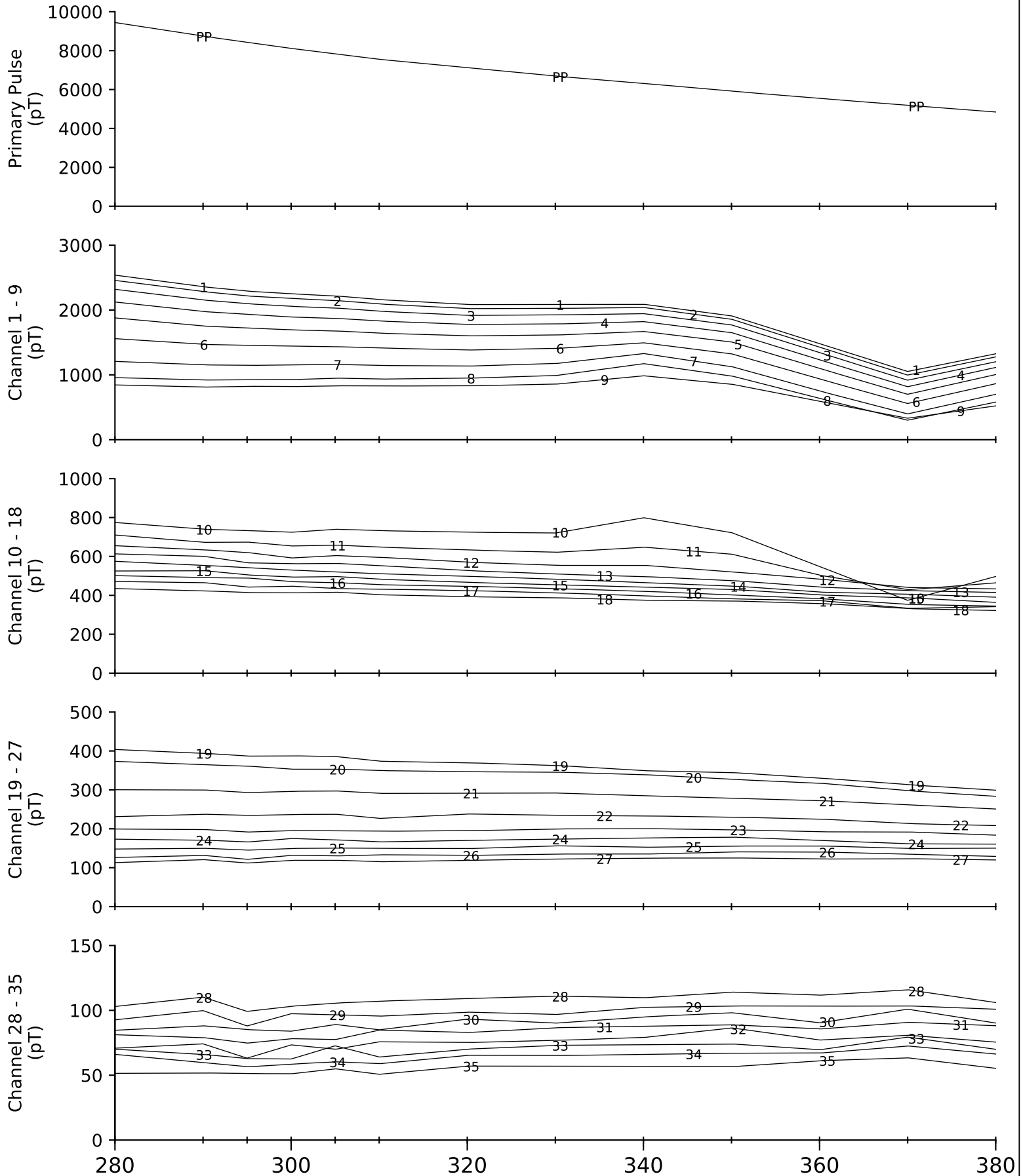


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Z Component

Orford Mining
West Raglan
August 18, 2022

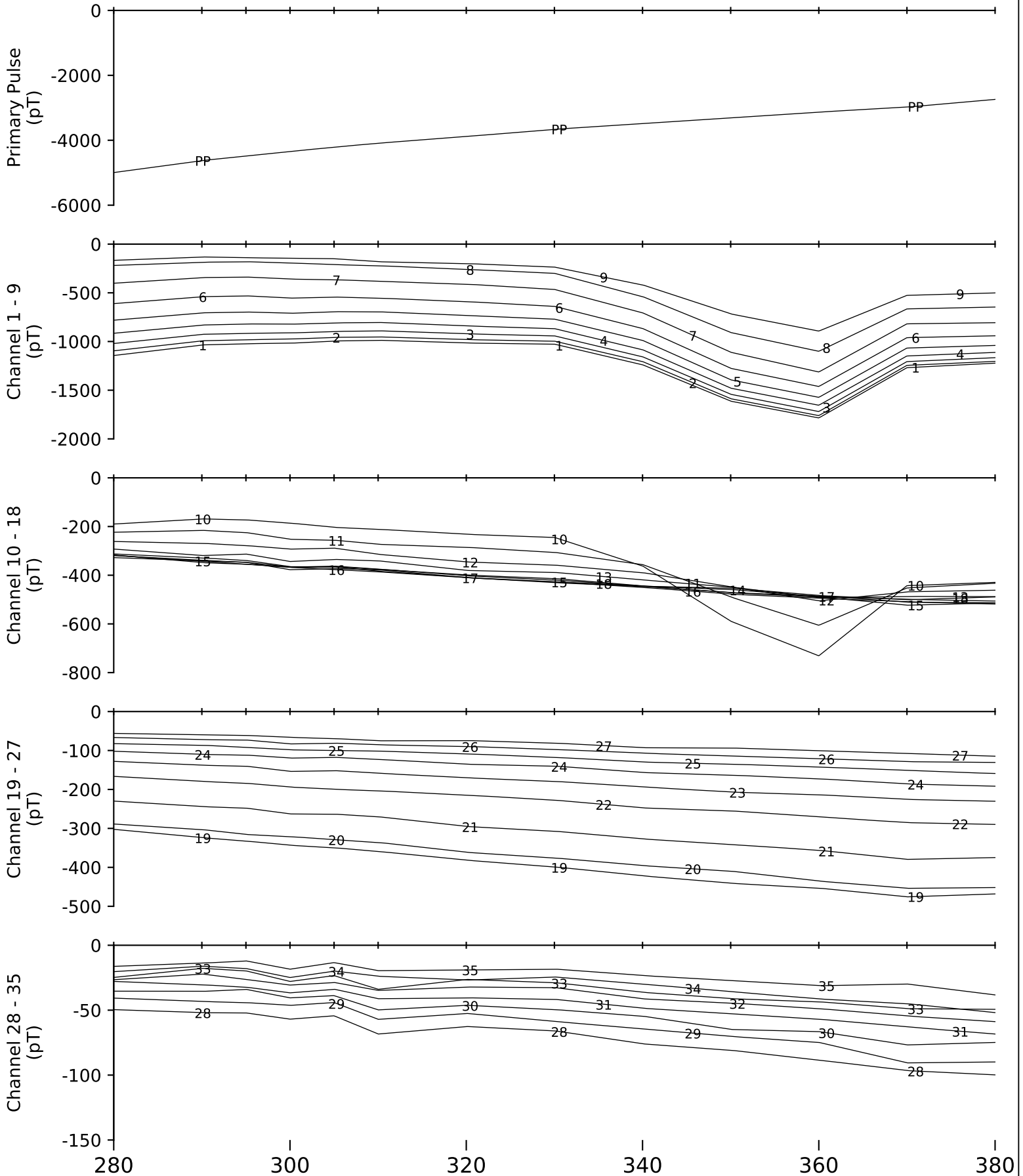


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
X Component

Orford Mining
West Raglan
August 18, 2022

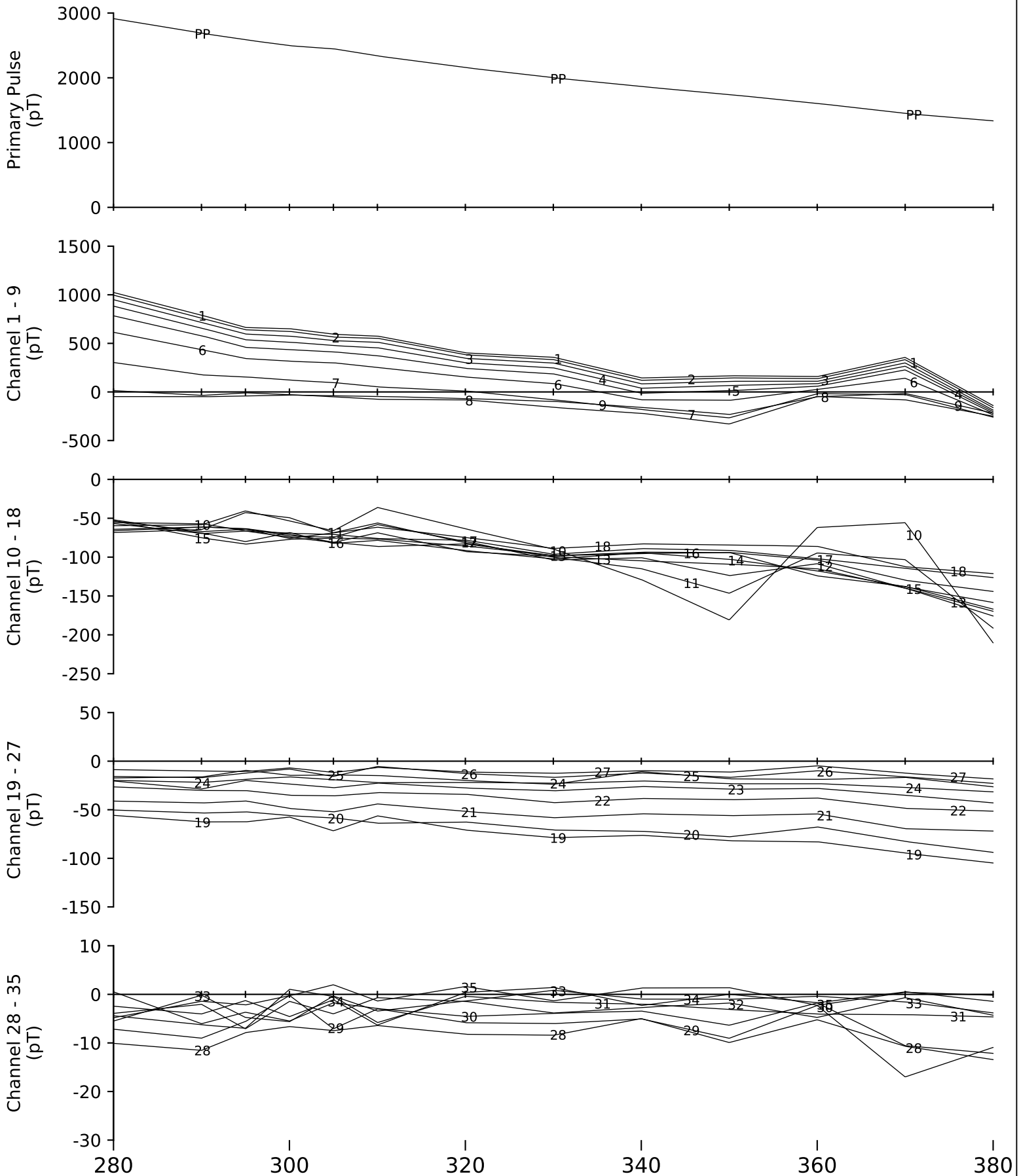


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Y Component

Orford Mining
West Raglan
August 18, 2022

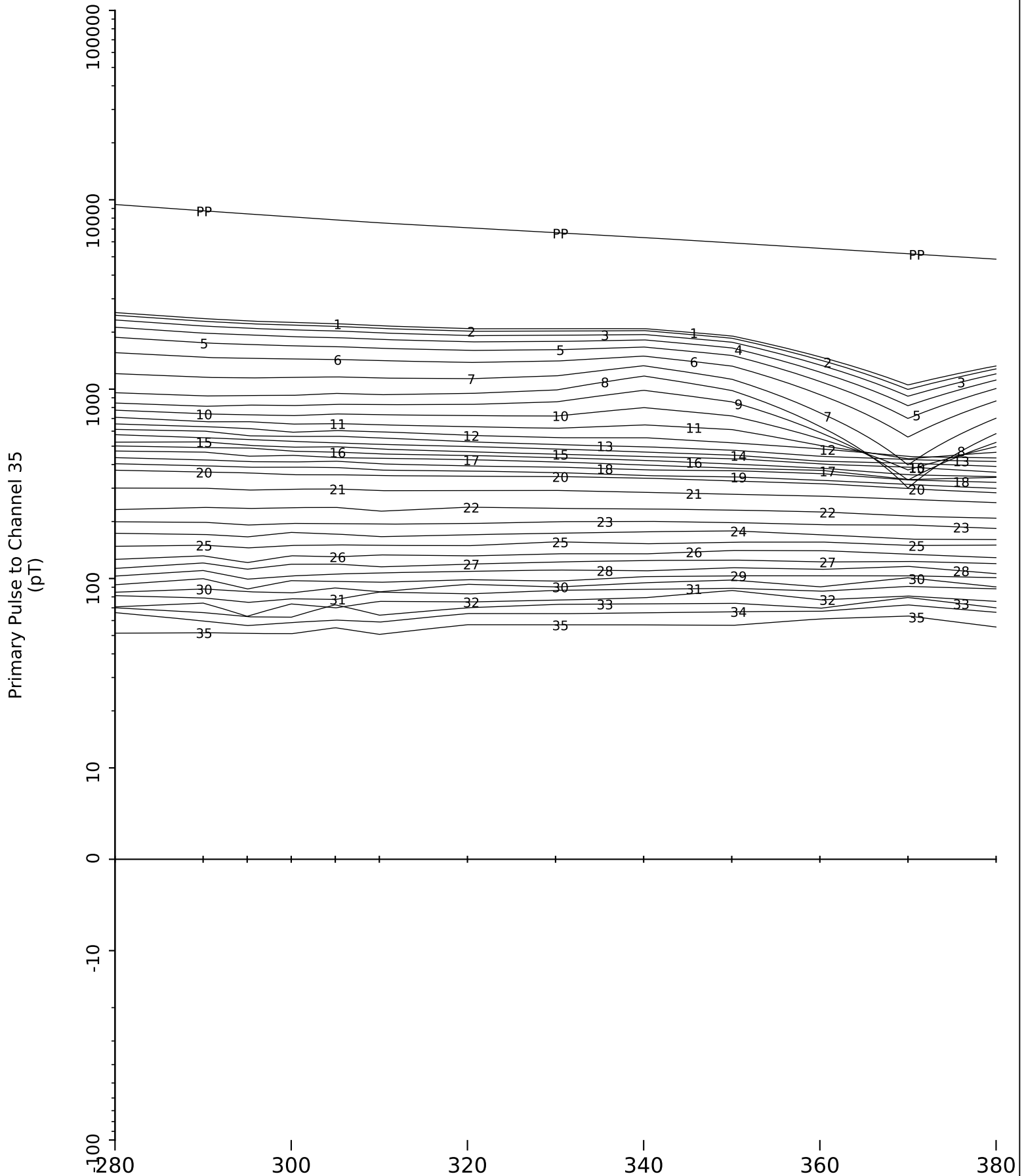


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Z Component

Orford Mining
West Raglan
August 18, 2022

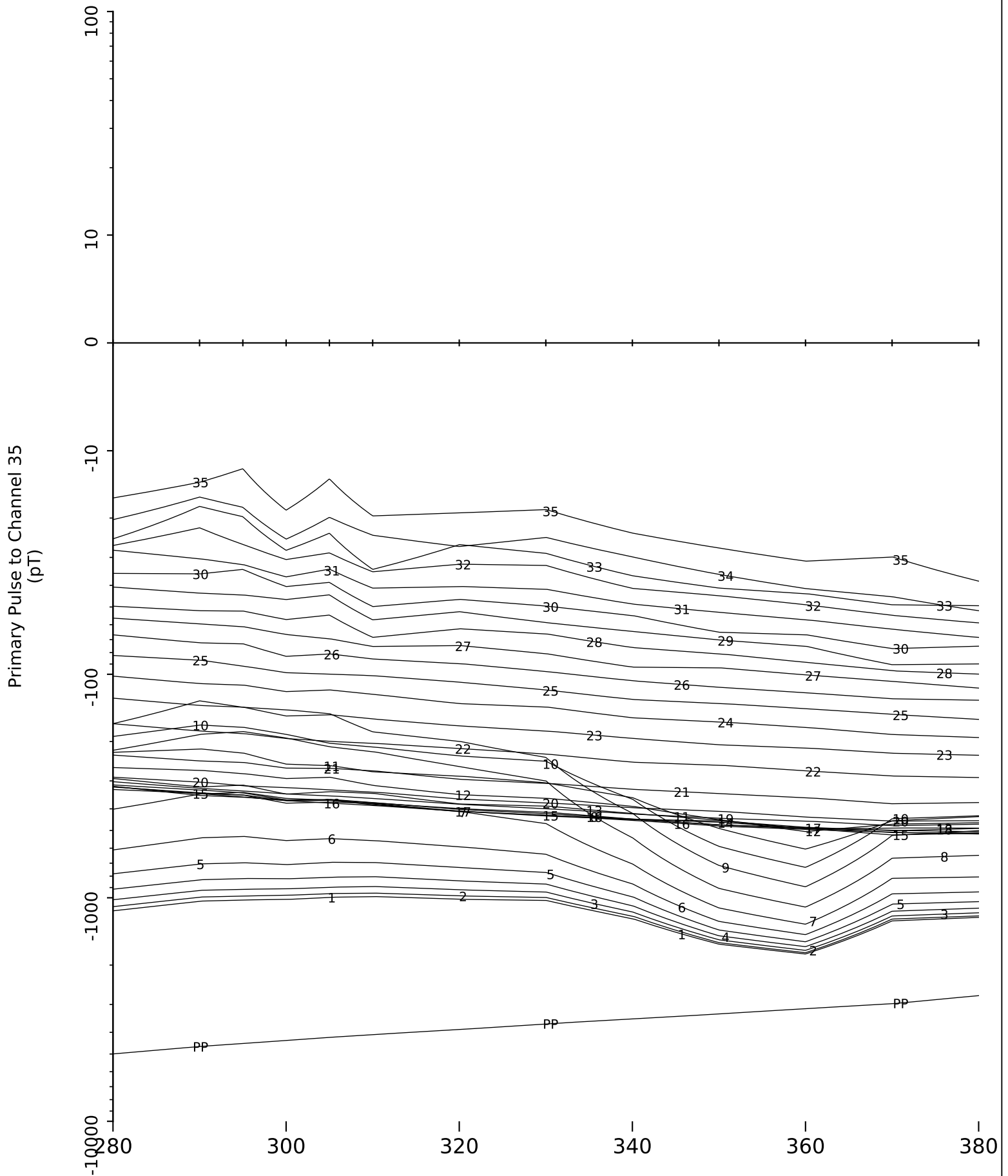


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
X Component

Orford Mining
West Raglan
August 18, 2022

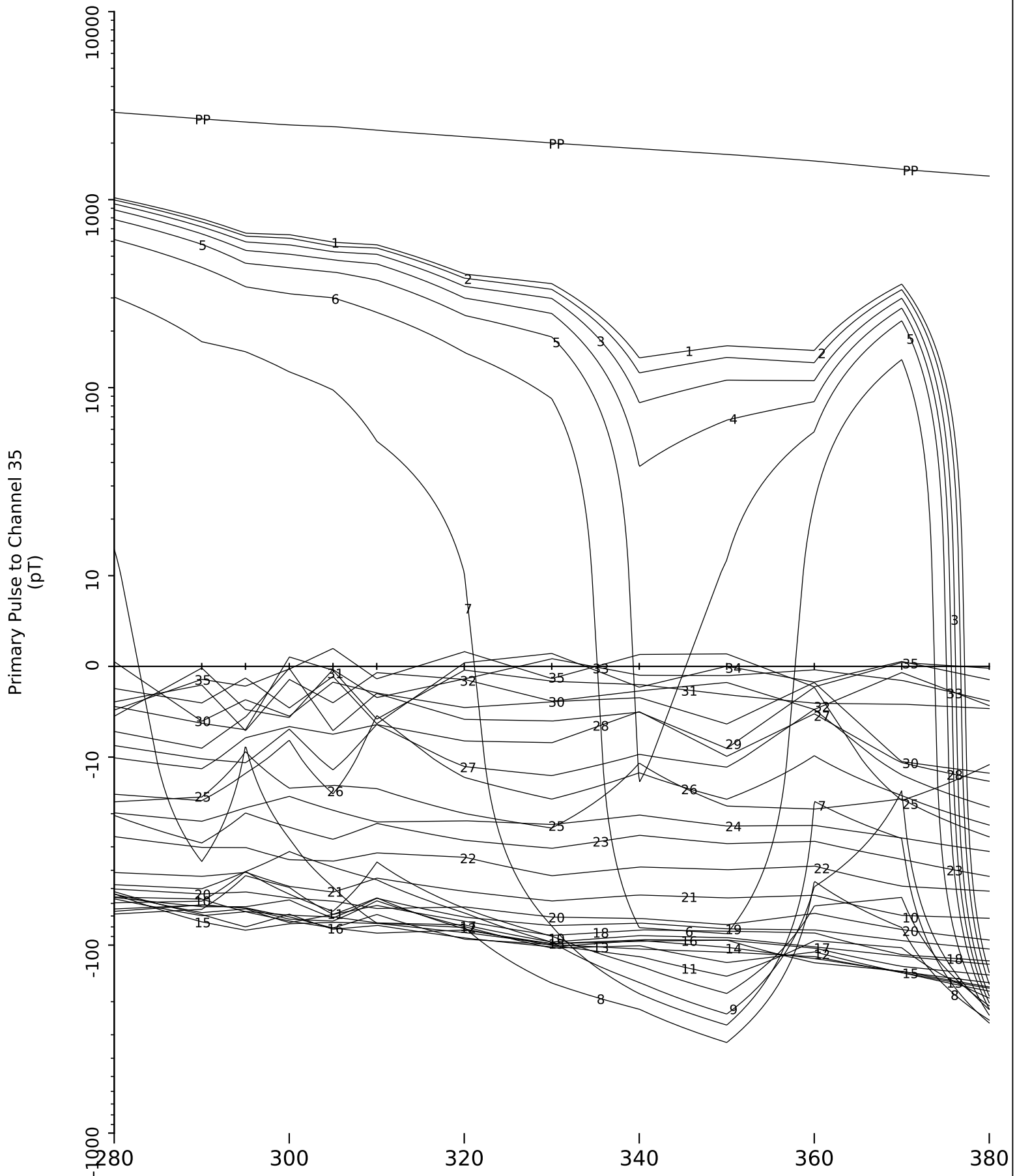


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Y Component

Orford Mining
West Raglan
August 18, 2022

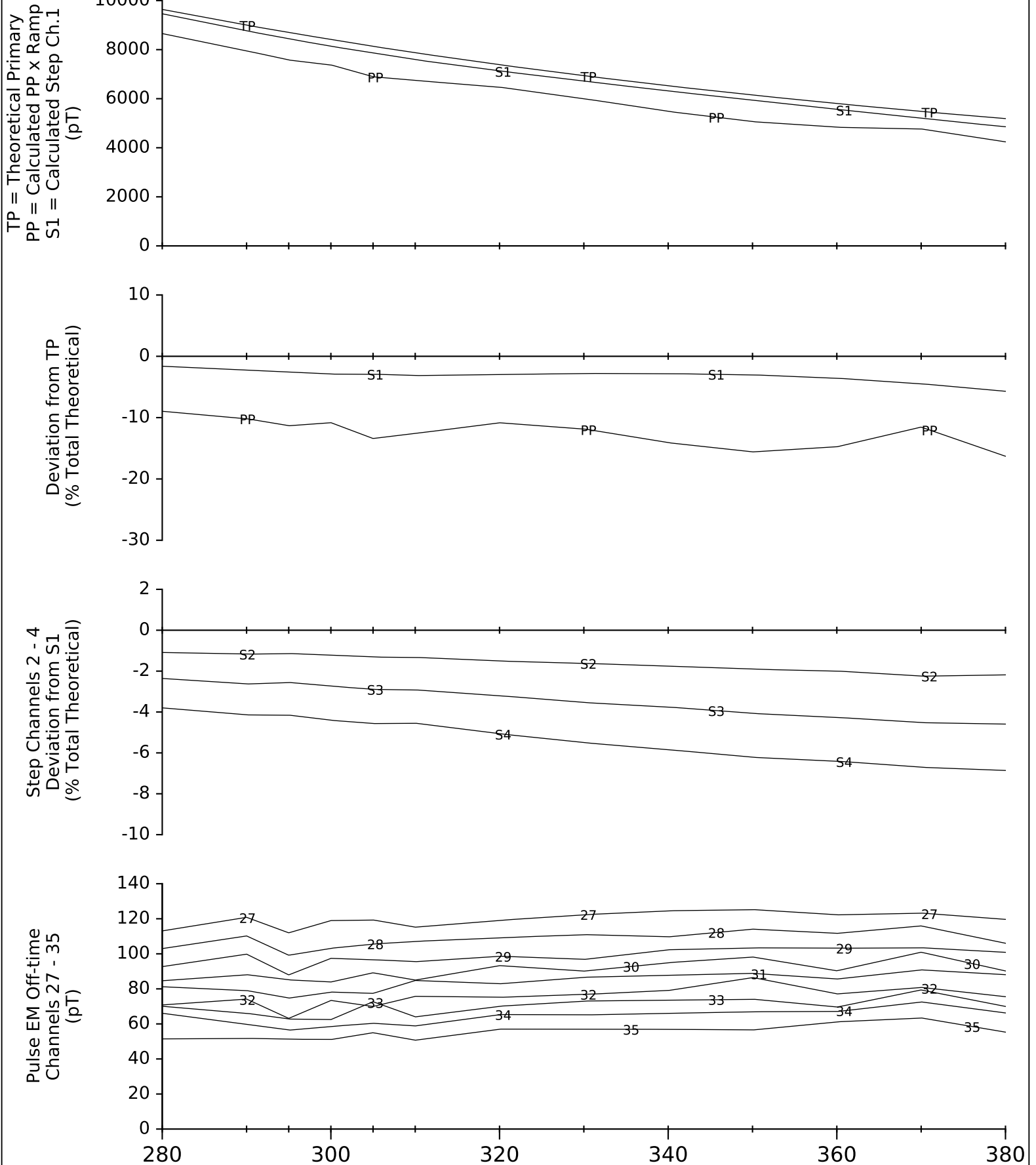


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Z Component

Orford Mining
West Raglan
August 18, 2022

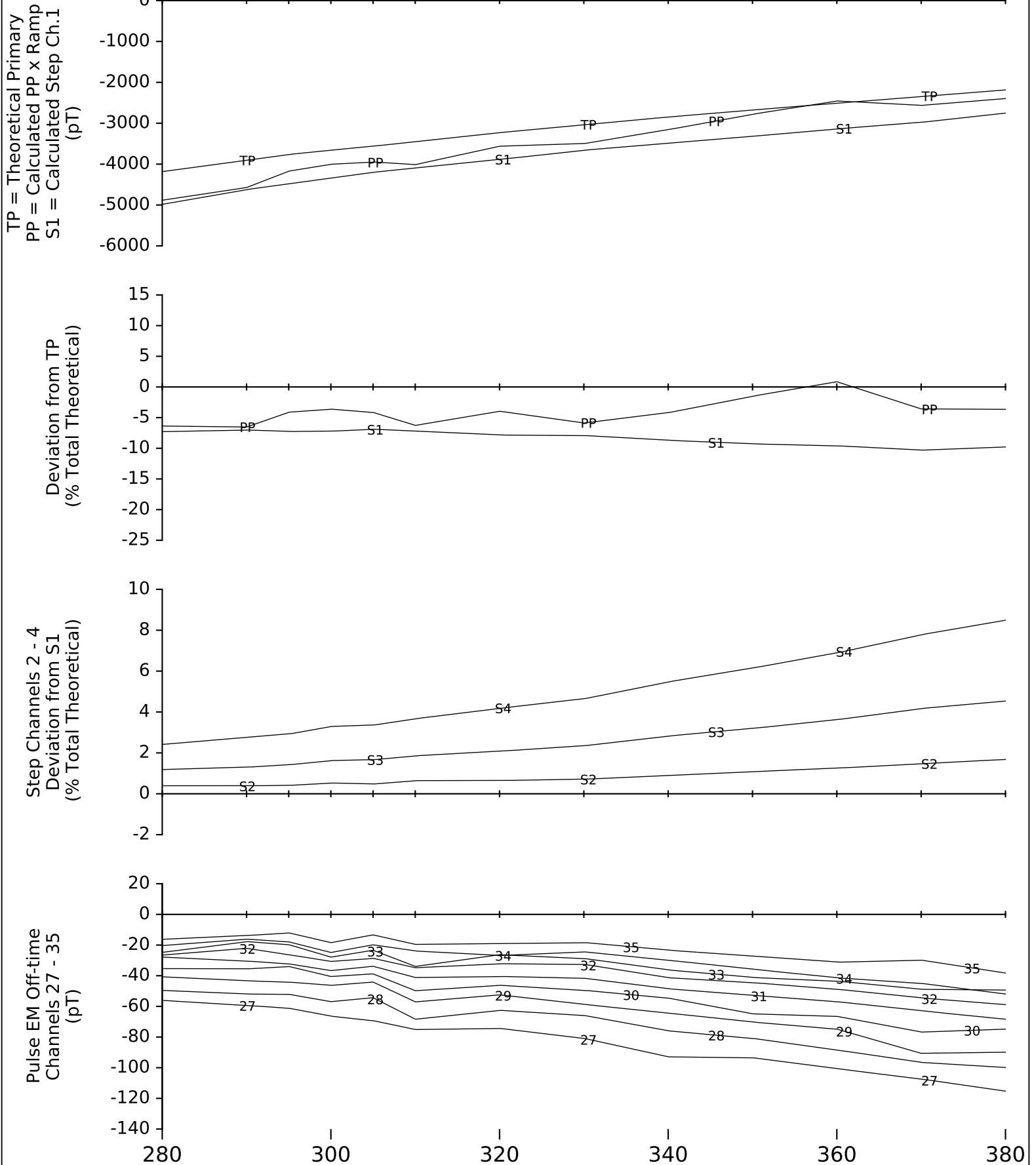


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
X Component

Orford Mining
West Raglan
August 18, 2022

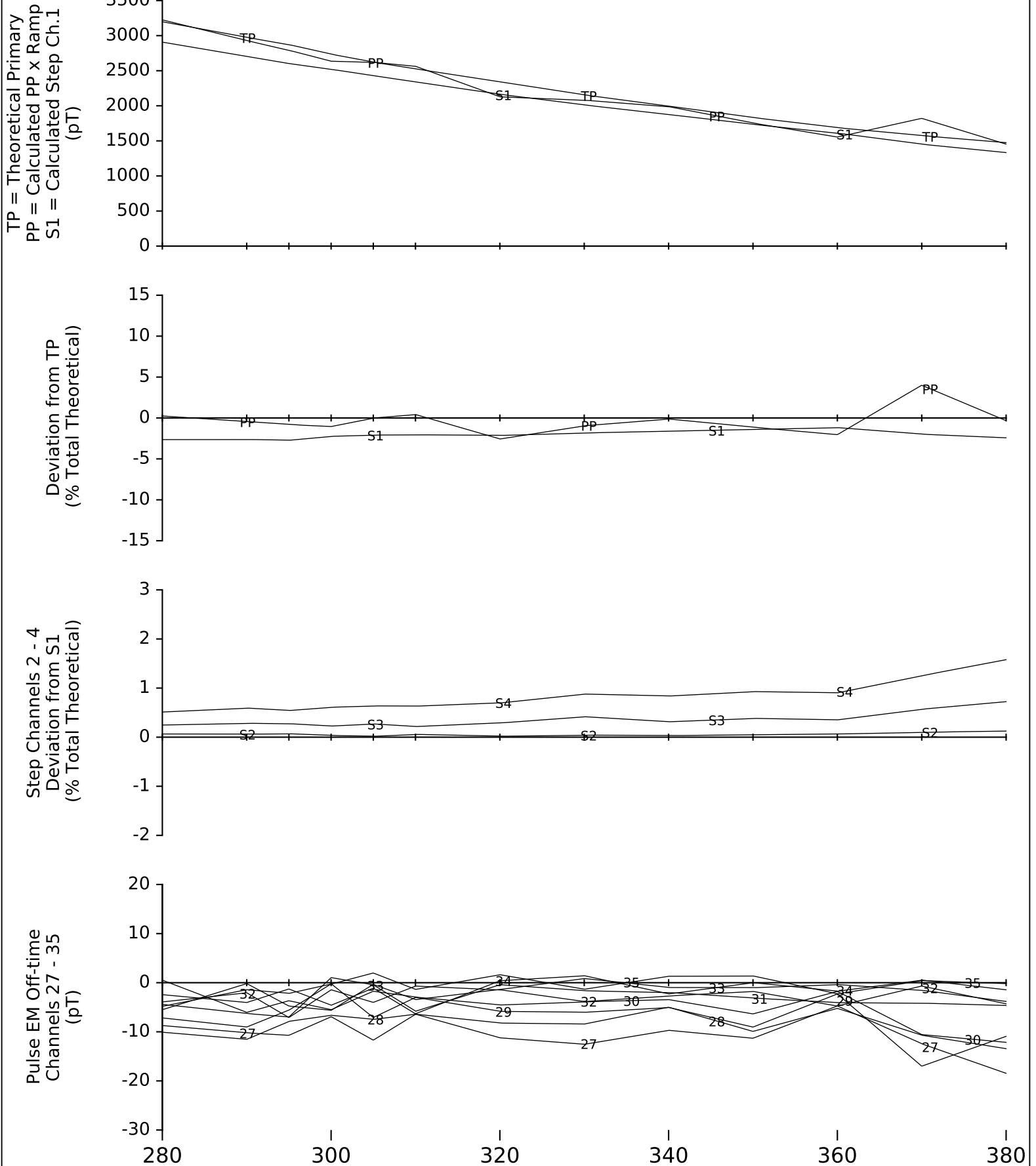


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 20.0 A

Hole: WR-22-200
Loop: 22WR05
Y Component

Orford Mining
West Raglan
August 18, 2022



442,600m E

442,800m E

443,000m E

443,200m E

443,400m E

443,600m E

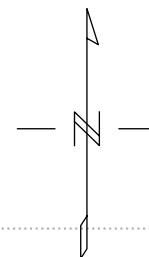
Crone Geophysics & Exploration Ltd.
Hole and Loop Location Map
Borehole Fluxgate Pulse EM Survey

Orford Mining
Frontier
Hole: WR-22-201 Loop: 22FT01

Timebase: 300.0 ms
Survey Date: August 22, 2022

NAD83 / UTM zone 18N

Scale 1:5,000



6,803,200m N

6,803,000m N

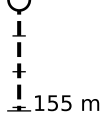
6,802,800m N

6,802,600m N

6,802,400m N

Tx Loop 22FT01

WR-22-201



155 m

250

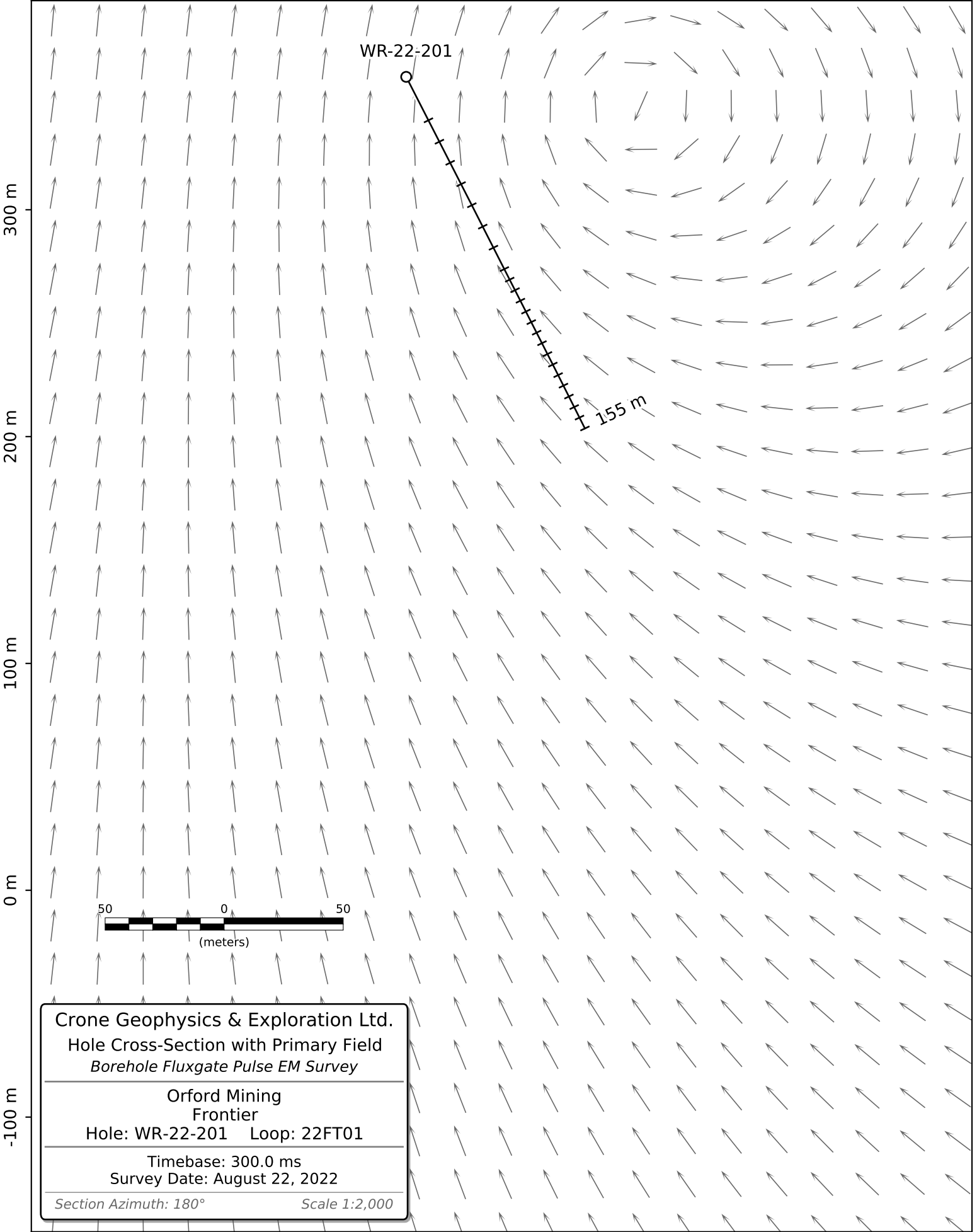
0

250

(meters)

Legend

— Transmitter Loop
-+- Borehole Trace

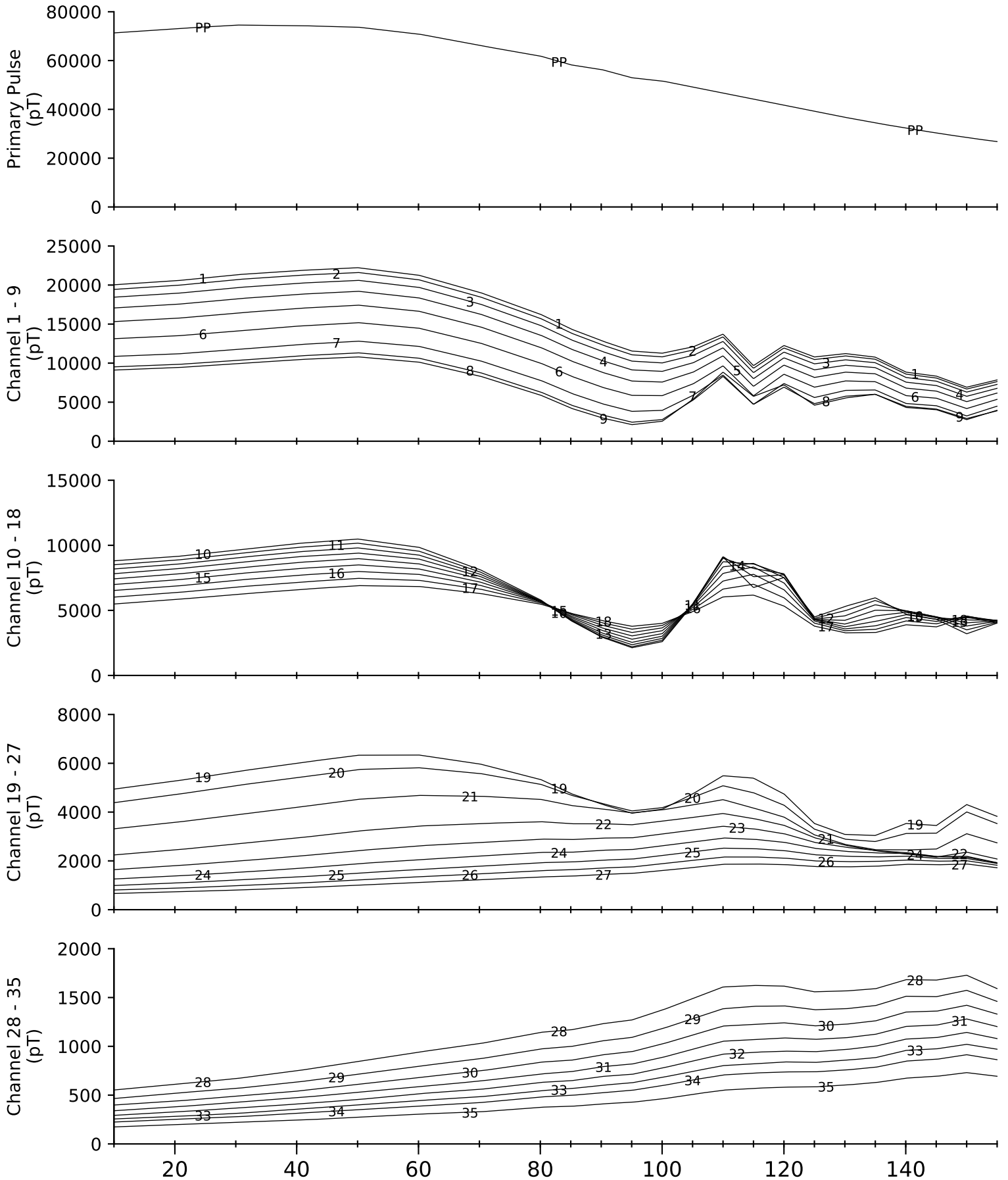


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 22, 2022

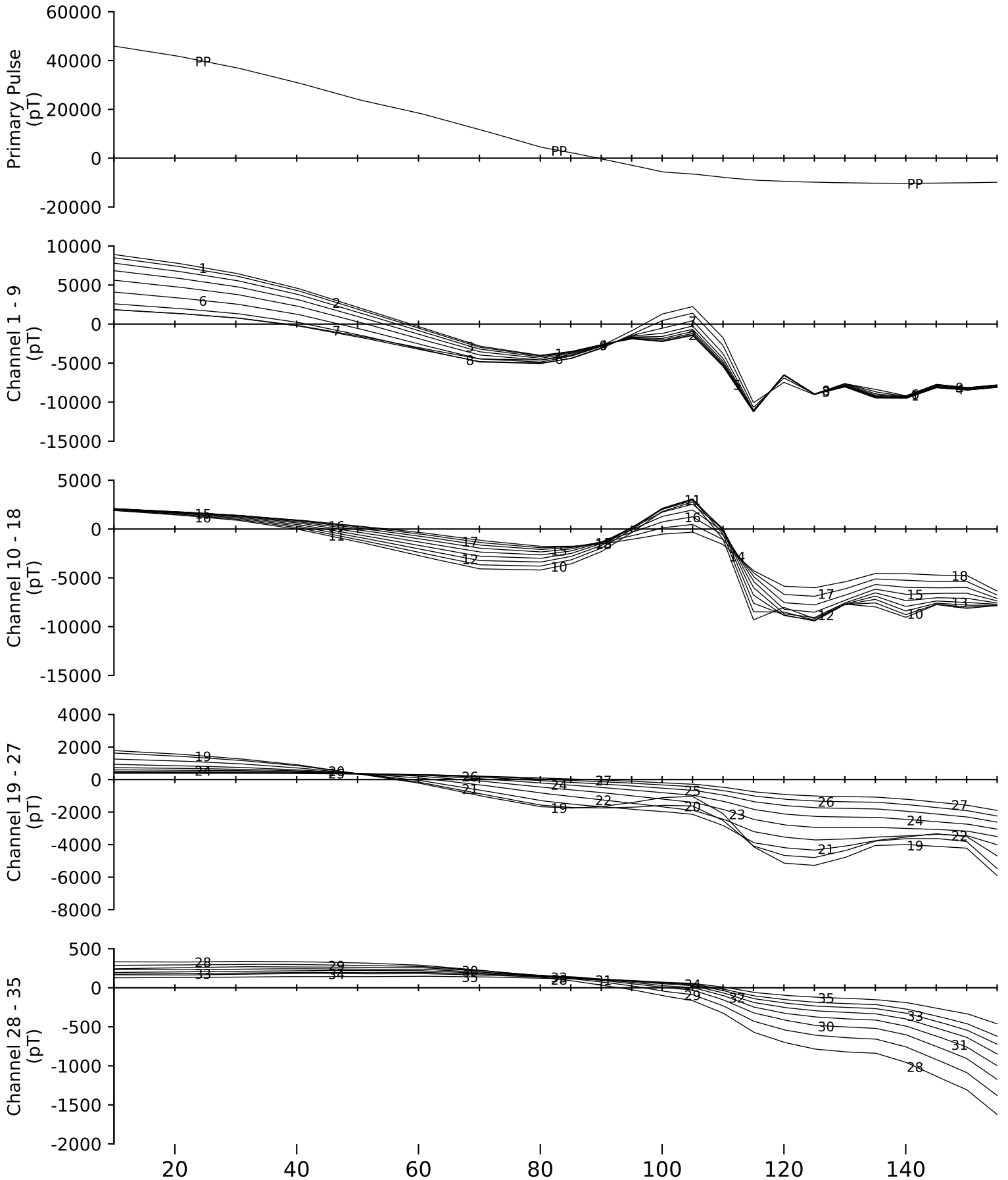


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
X Component

Orford Mining
Frontier
August 22, 2022

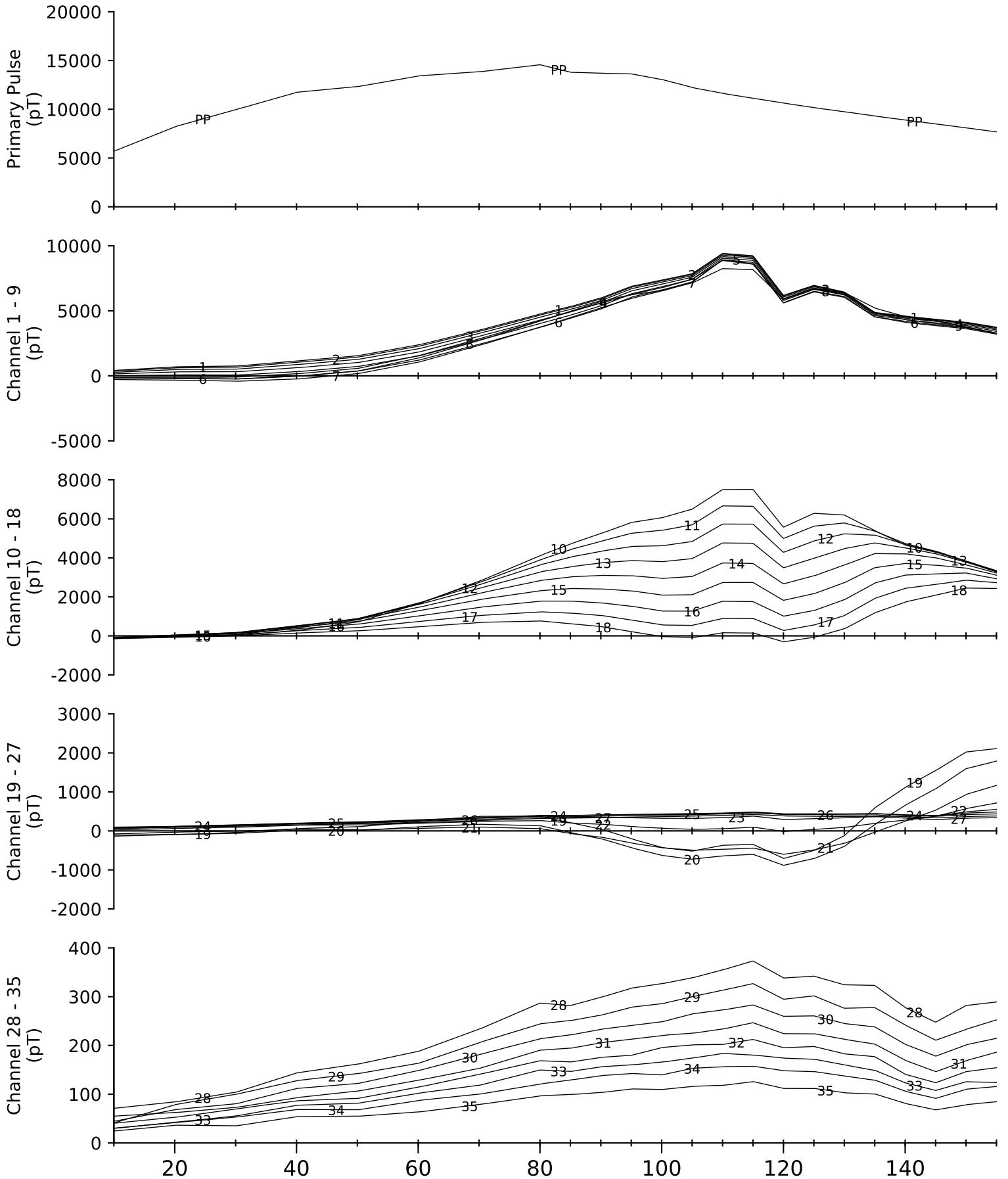


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 22, 2022

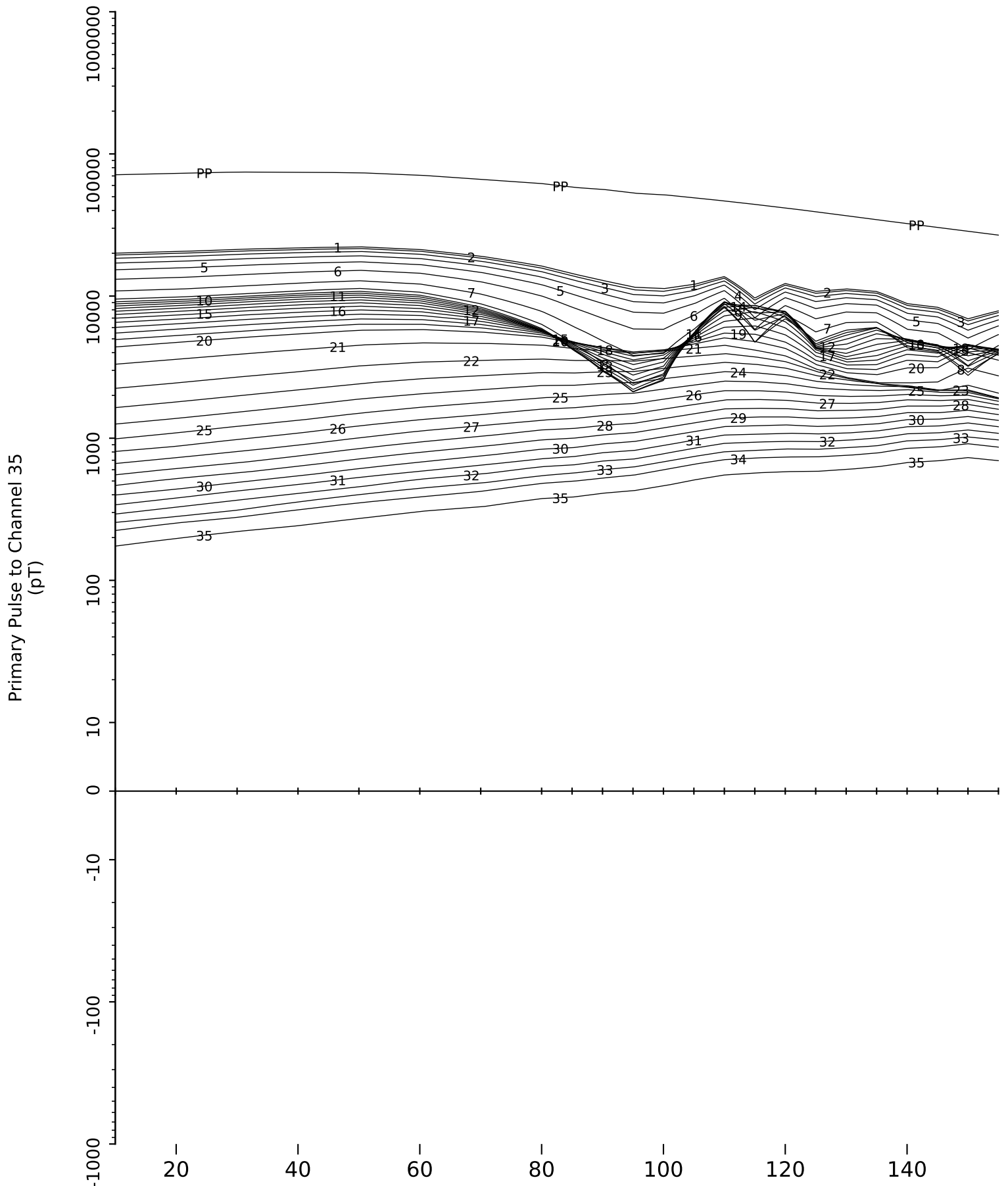


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 22, 2022

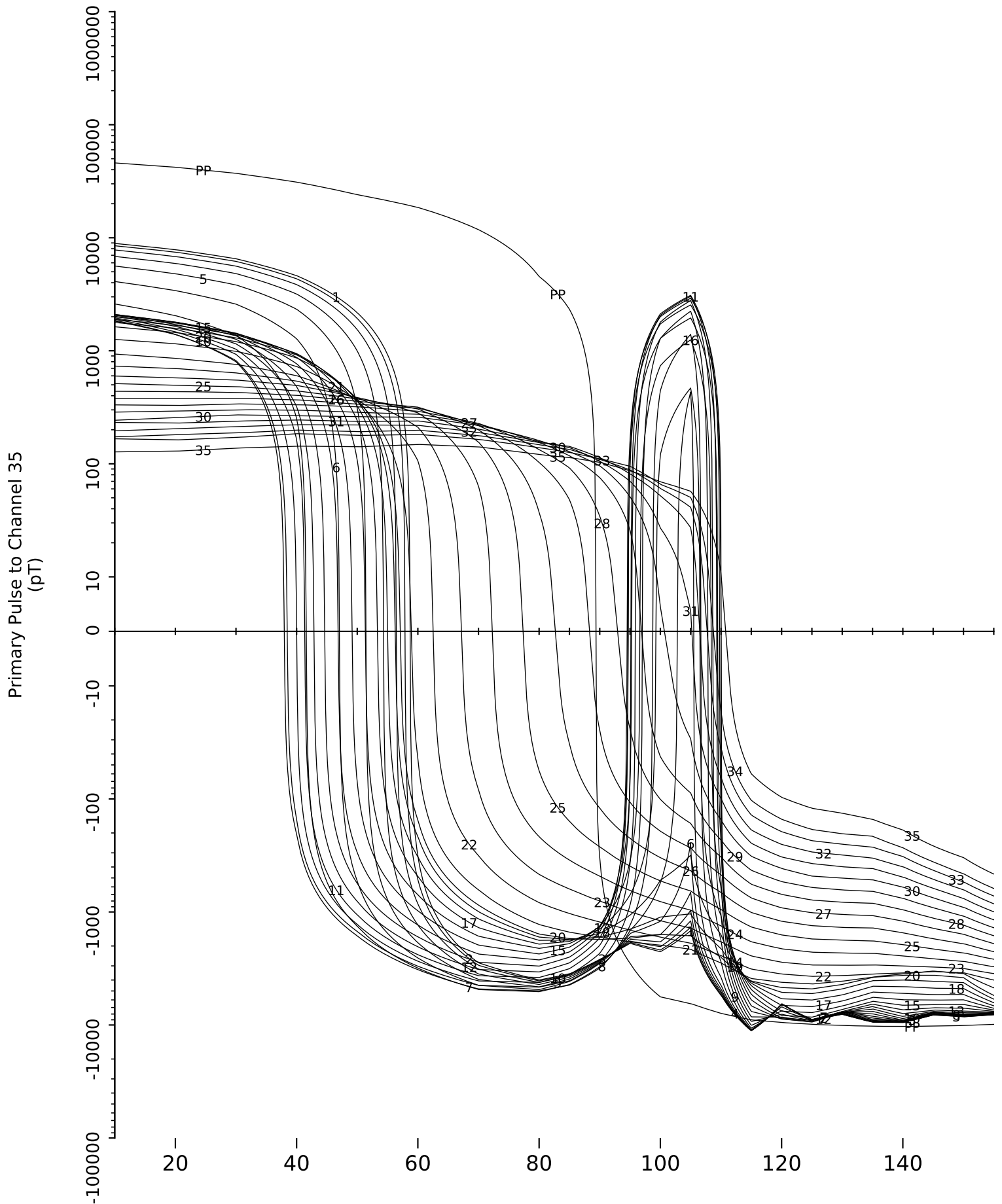


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
X Component

Orford Mining
Frontier
August 22, 2022

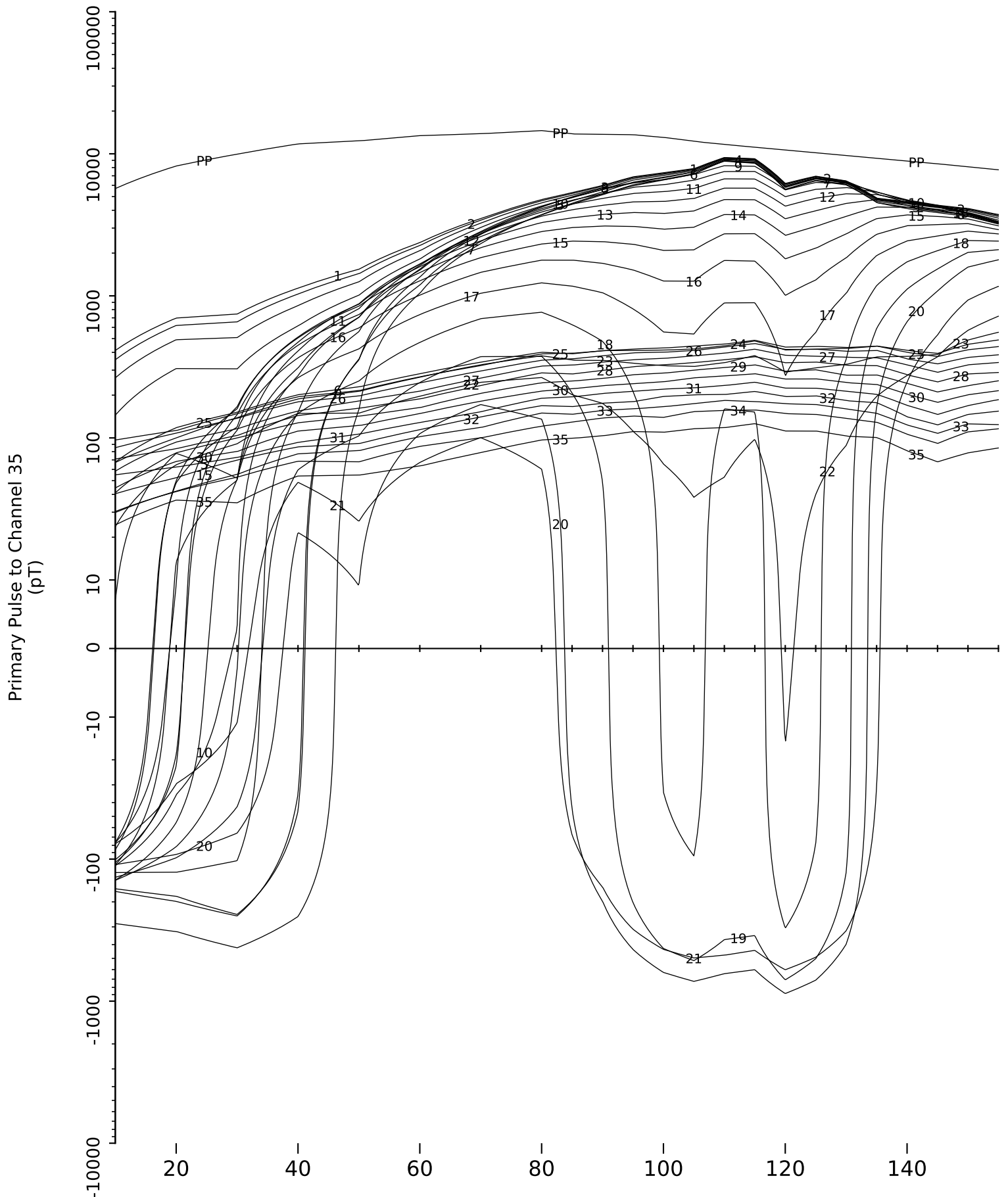


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 22, 2022

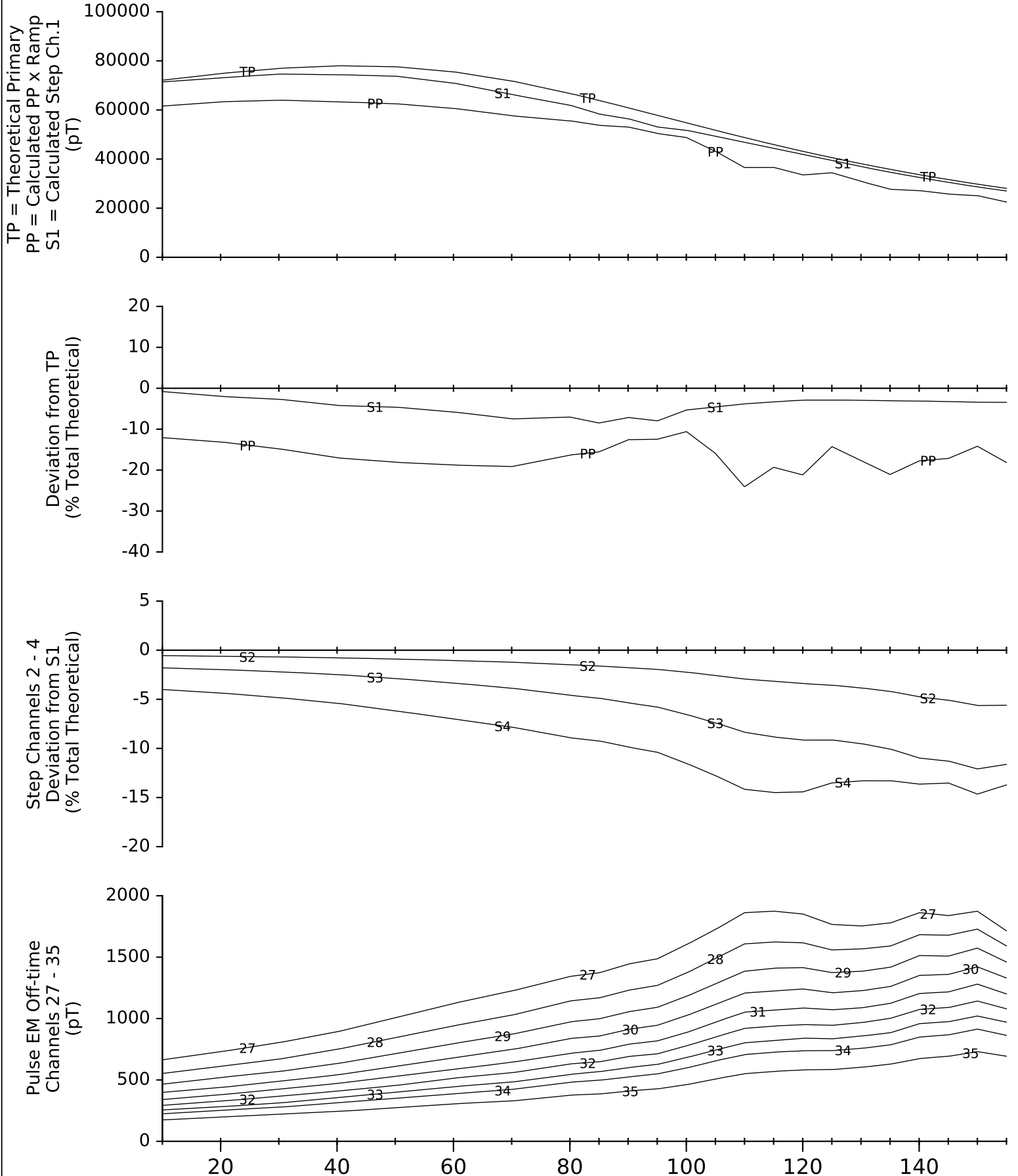


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 22, 2022

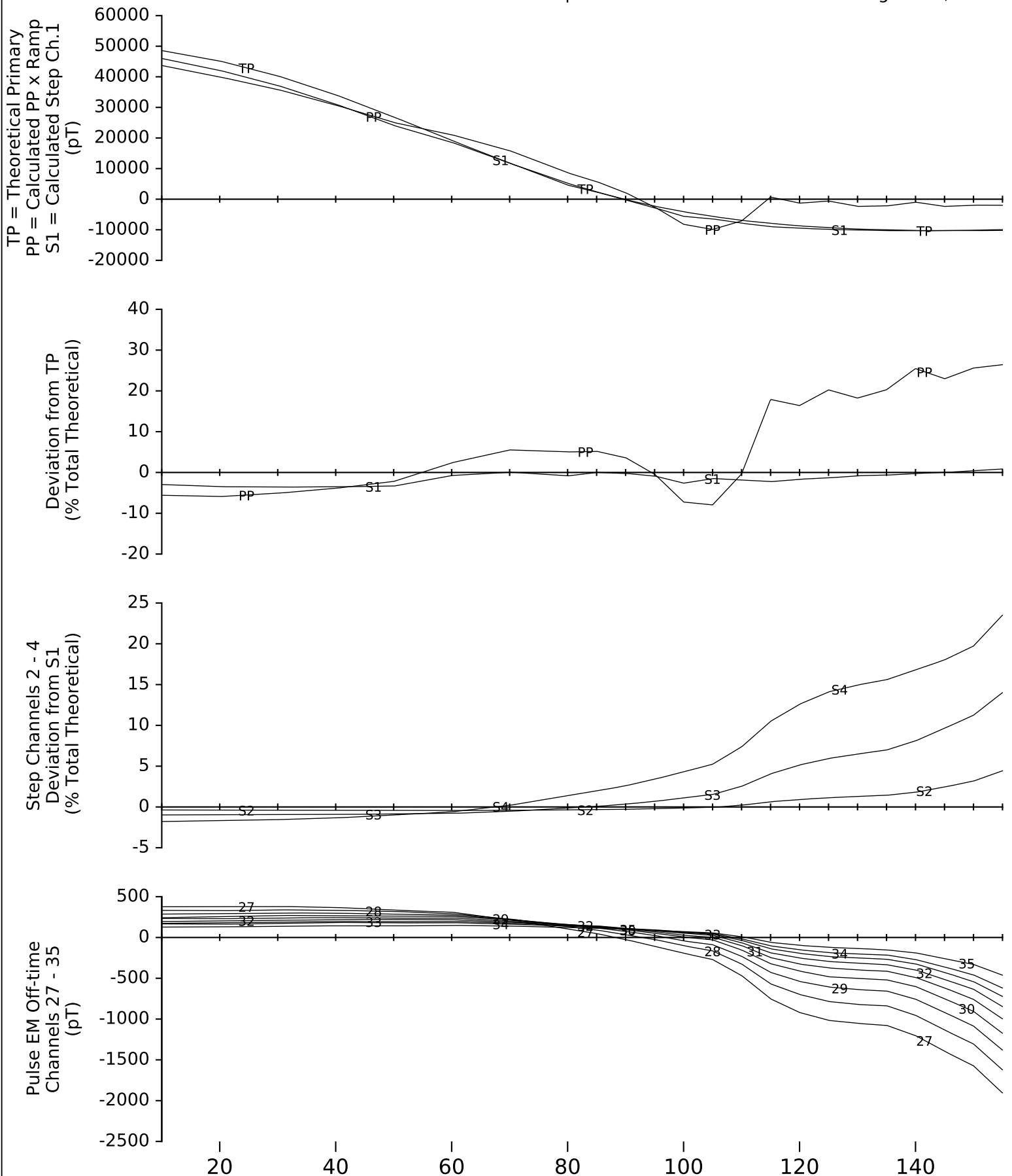


Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
X Component

Orford Mining
Frontier
August 22, 2022

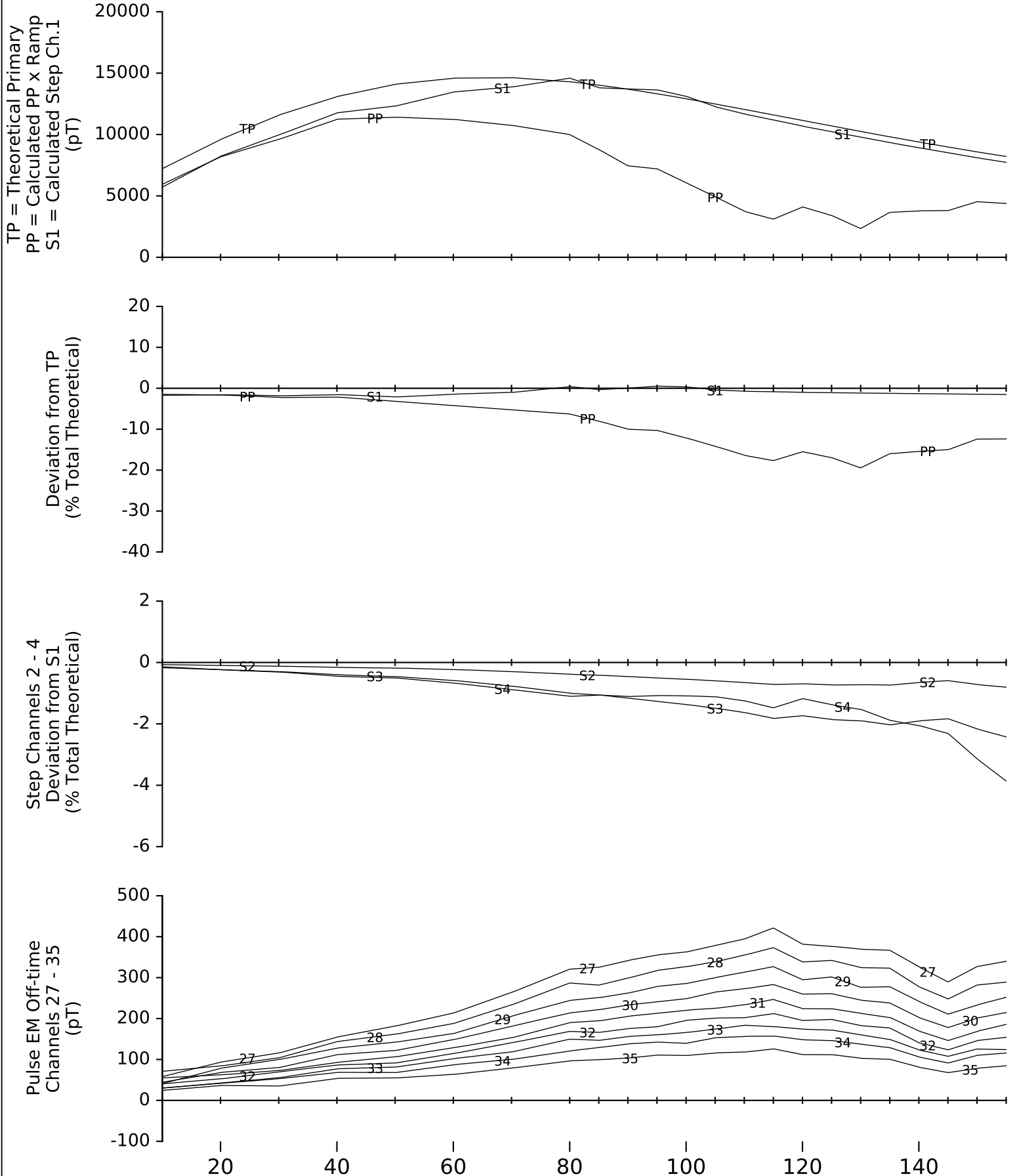


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 21.1 A

Hole: WR-22-201
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 22, 2022



442,600m E

442,800m E

443,000m E

443,200m E

443,400m E

443,600m E

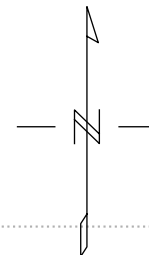
Crone Geophysics & Exploration Ltd.
Hole and Loop Location Map
Borehole Fluxgate Pulse EM Survey

Orford Mining
Frontier
Hole: WR-22-202 Loop: 22FT01

Timebase: 300.0 ms
Survey Date: August 25, 2022

NAD83 / UTM zone 18N

Scale 1:5,000



6,803,200m N

6,803,000m N

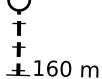
6,802,800m N

6,802,600m N

6,802,400m N

Tx Loop 22FT01

WR-22-202



250

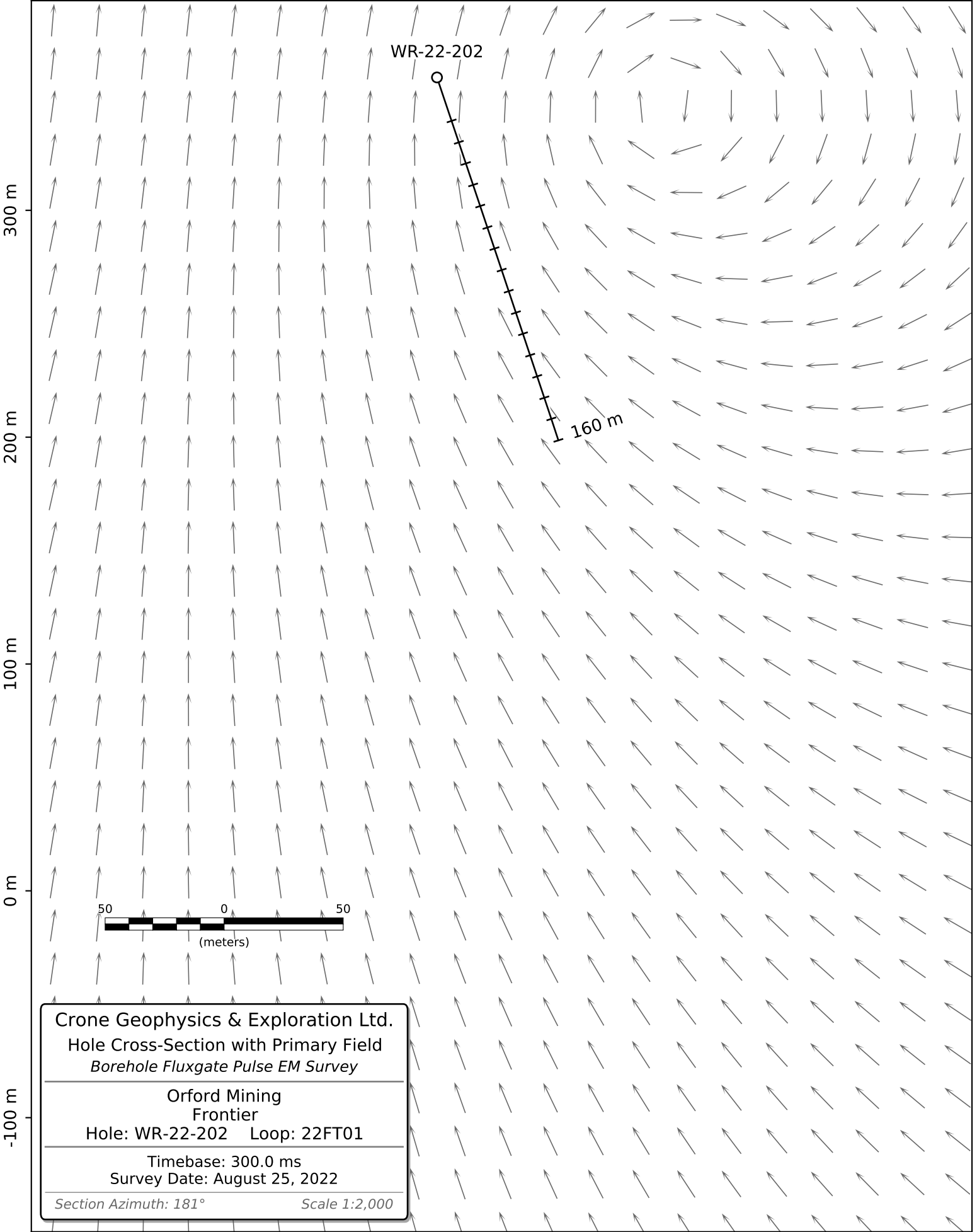
0

250

(meters)

Legend

- Transmitter Loop
- +- Borehole Trace



Crone Geophysics & Exploration Ltd.
Hole Cross-Section with Primary Field
Borehole Fluxgate Pulse EM Survey

Orford Mining
Frontier
Hole: WR-22-202 Loop: 22FT01

Timebase: 300.0 ms
Survey Date: August 25, 2022

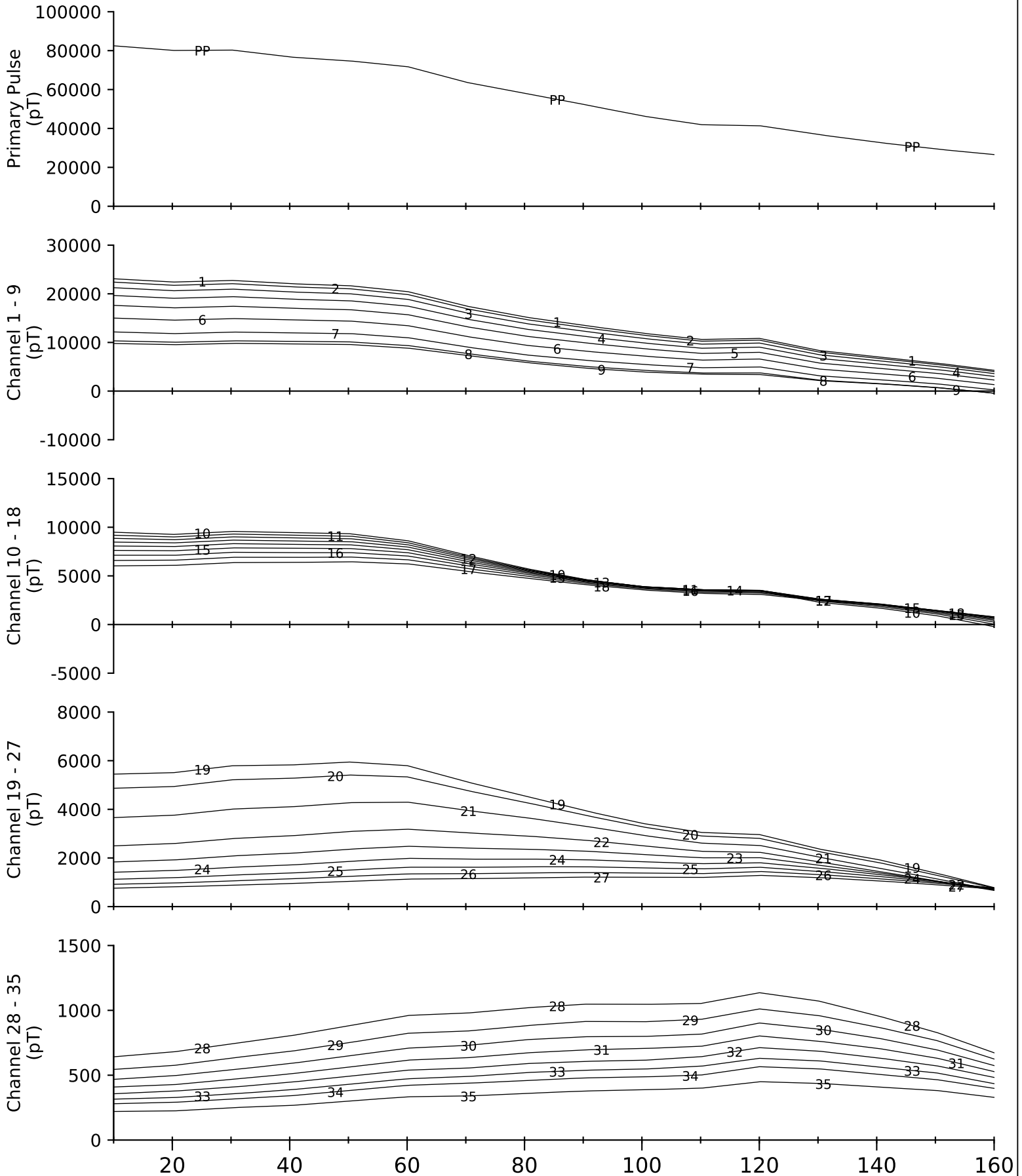
Section Azimuth: 181°
Scale 1:2,000

Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 25, 2022

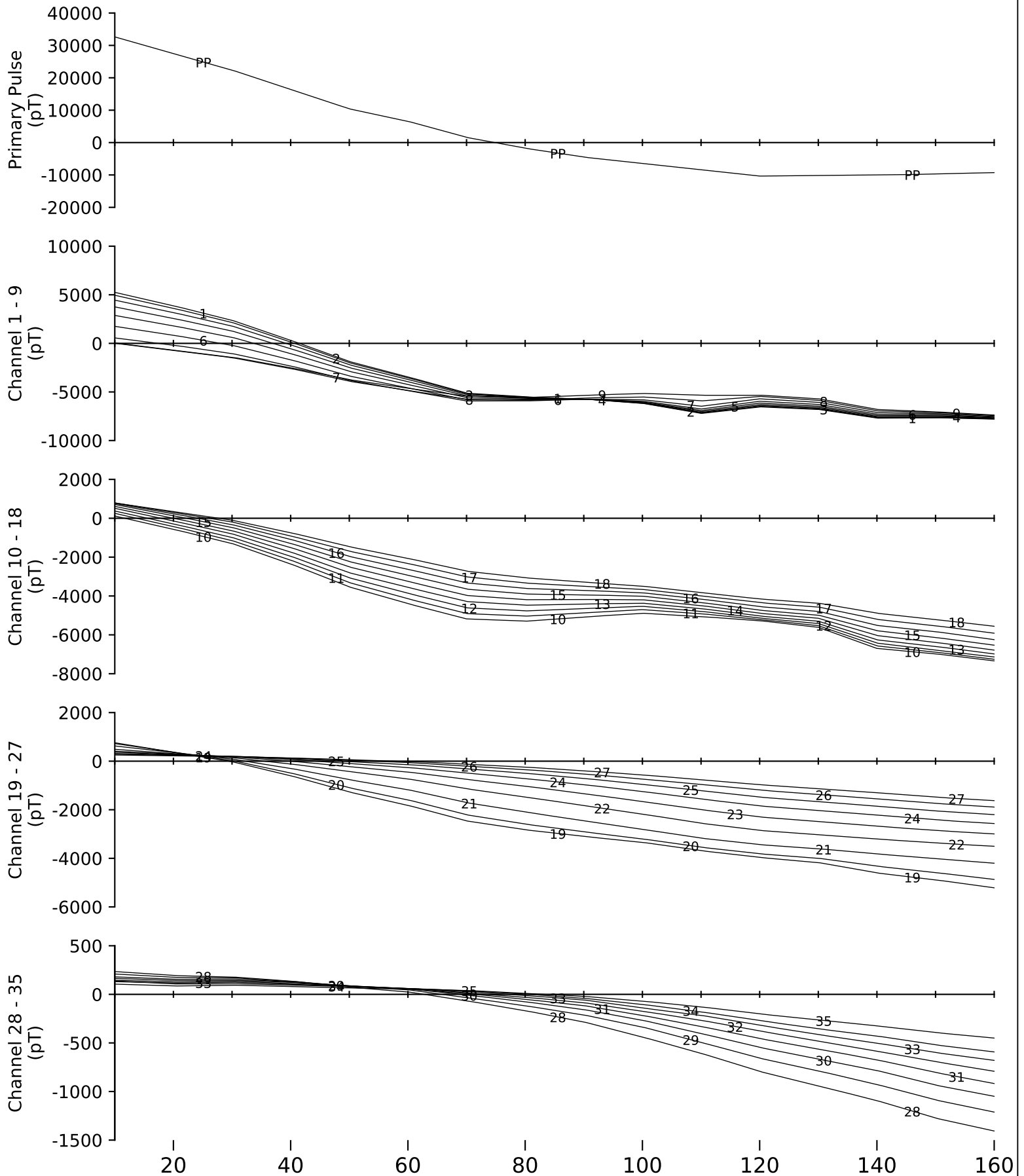


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
X Component

Orford Mining
Frontier
August 25, 2022

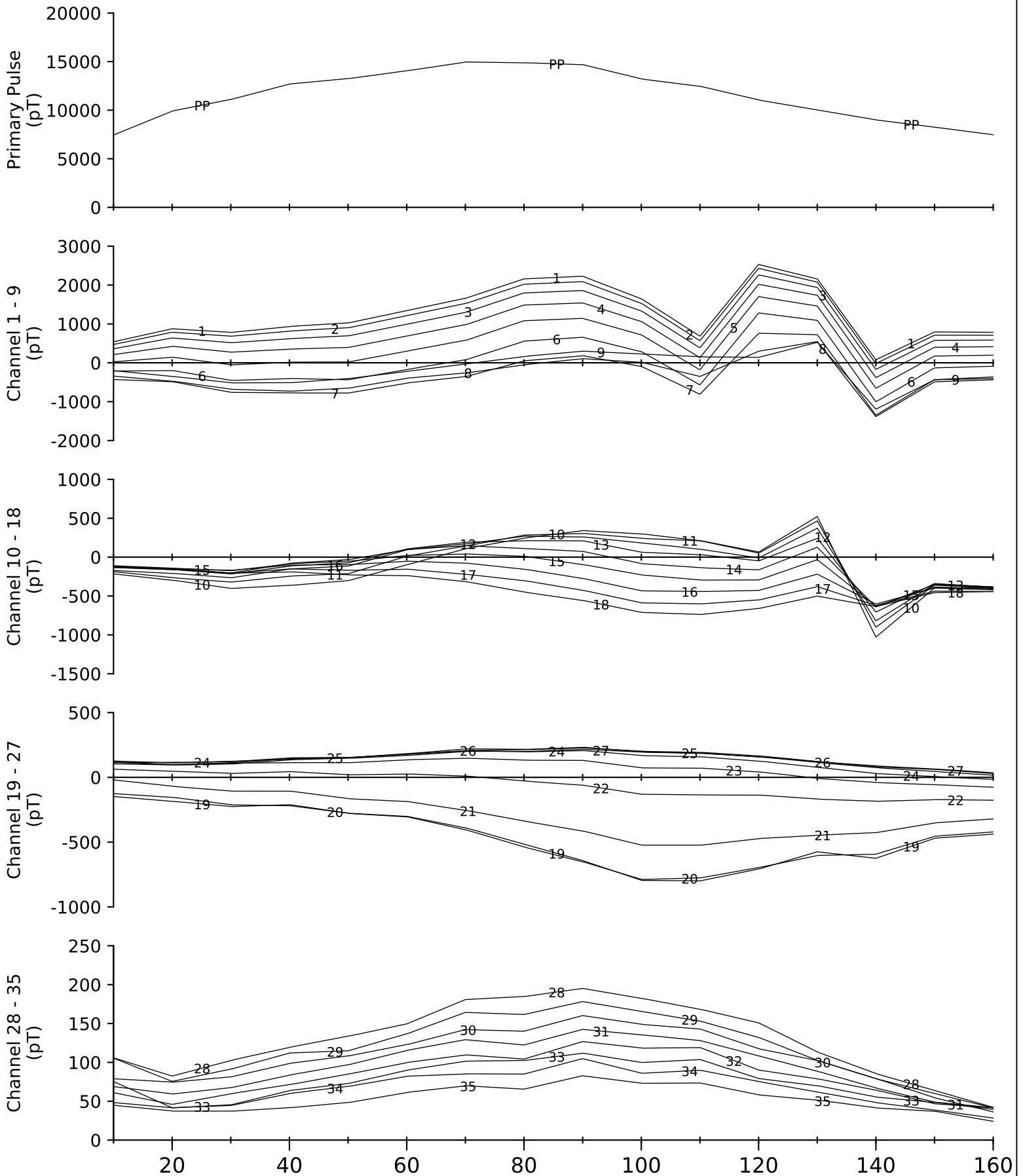


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 25, 2022

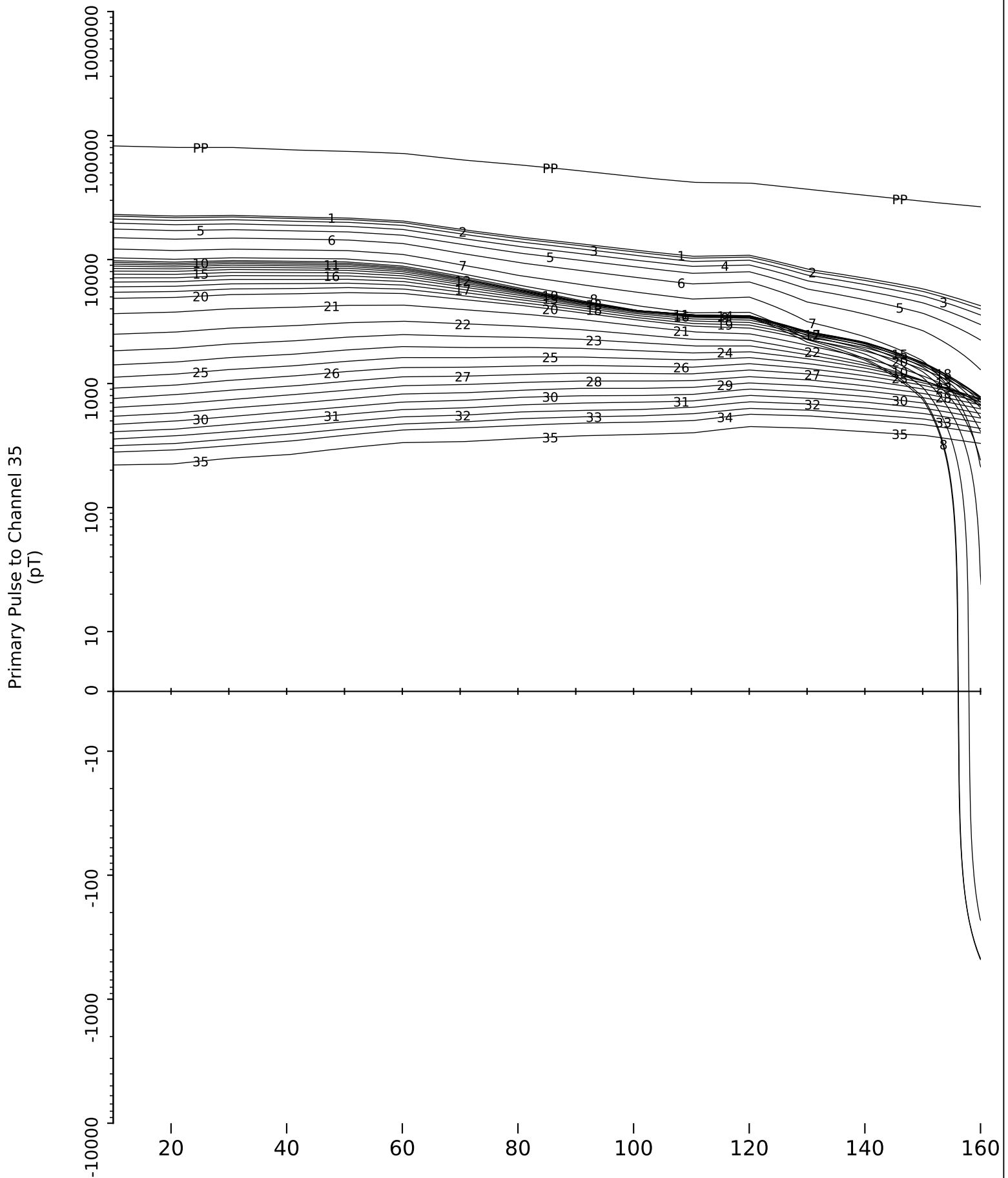


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 25, 2022

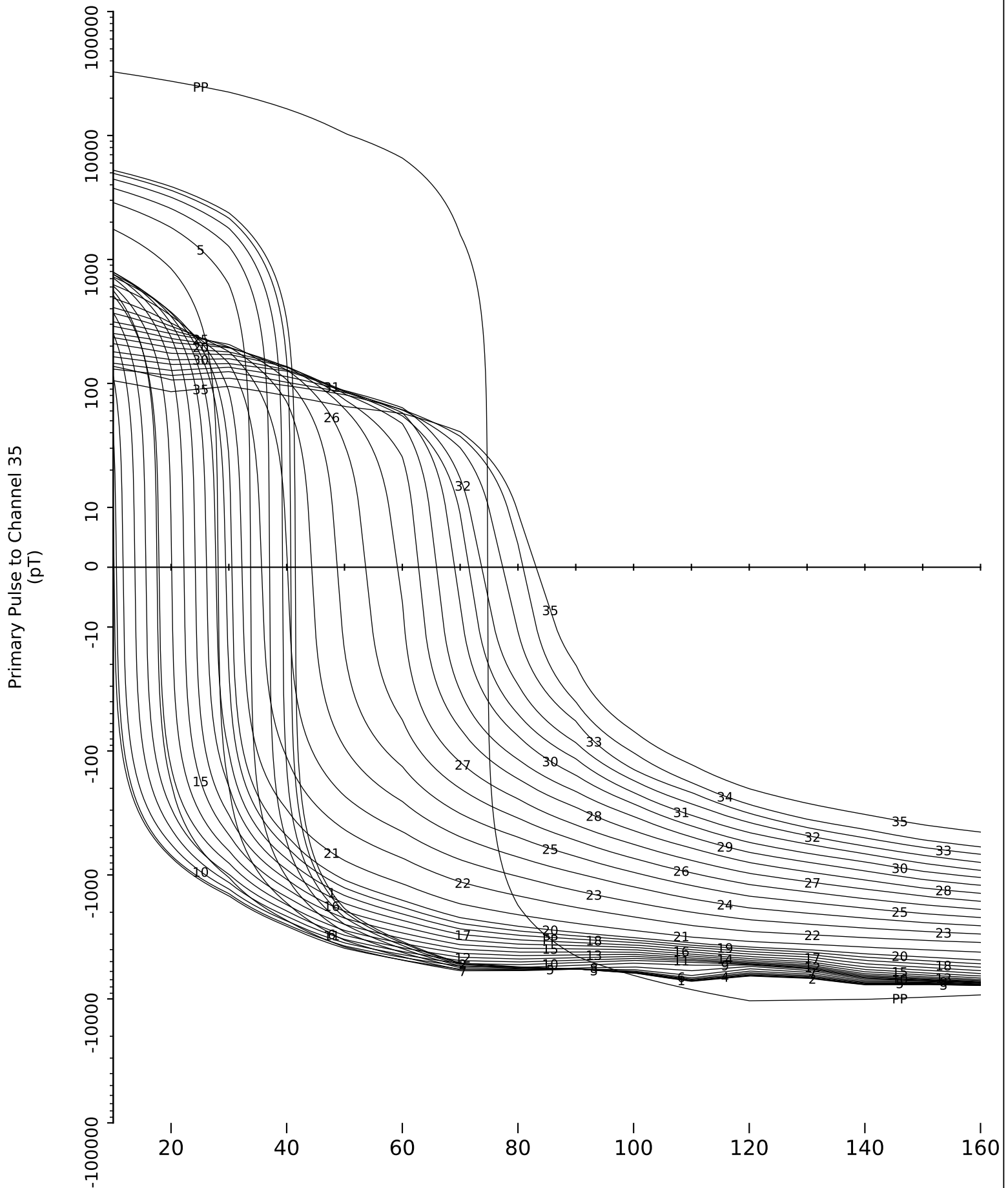


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
X Component

Orford Mining
Frontier
August 25, 2022

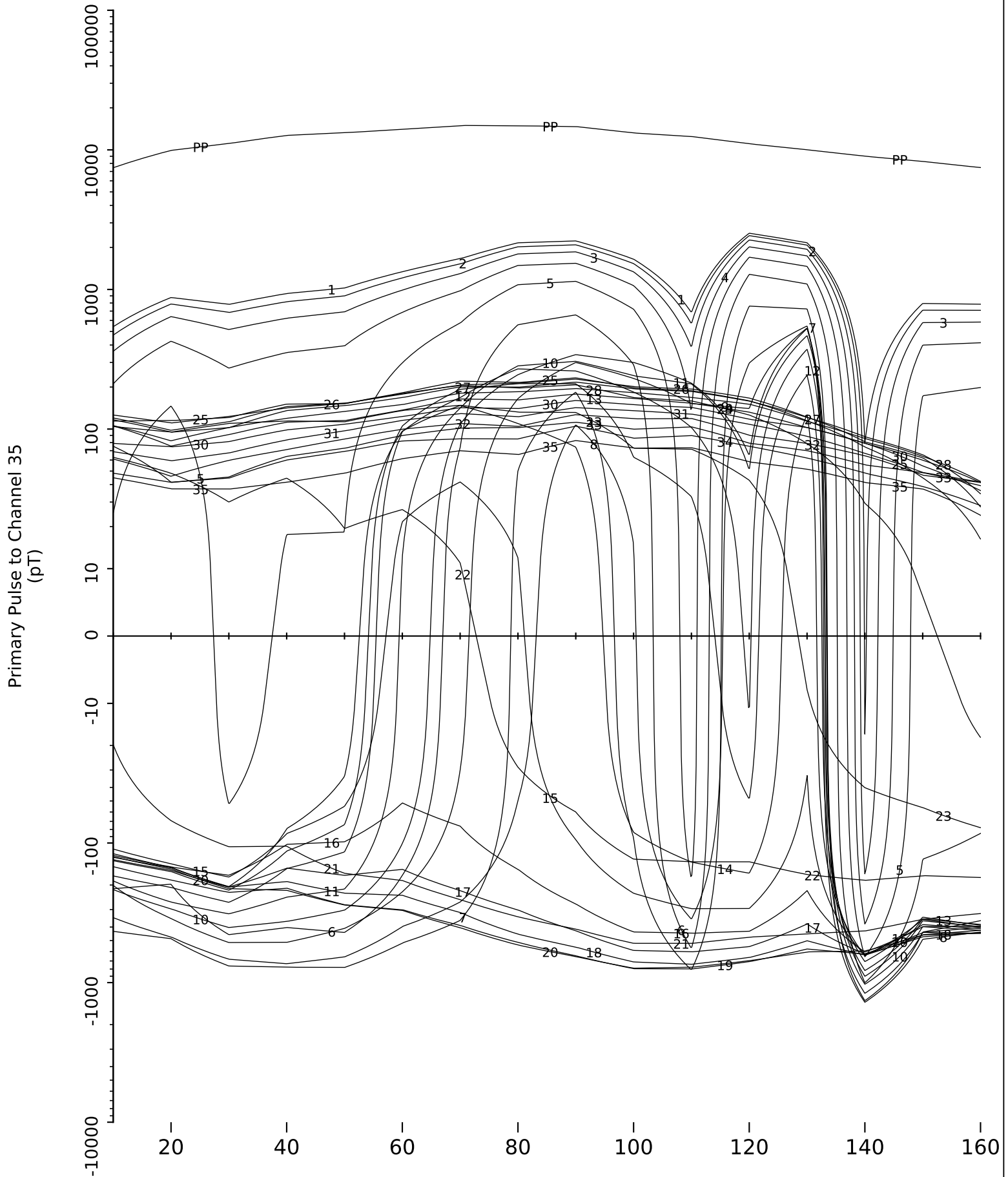


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 25, 2022

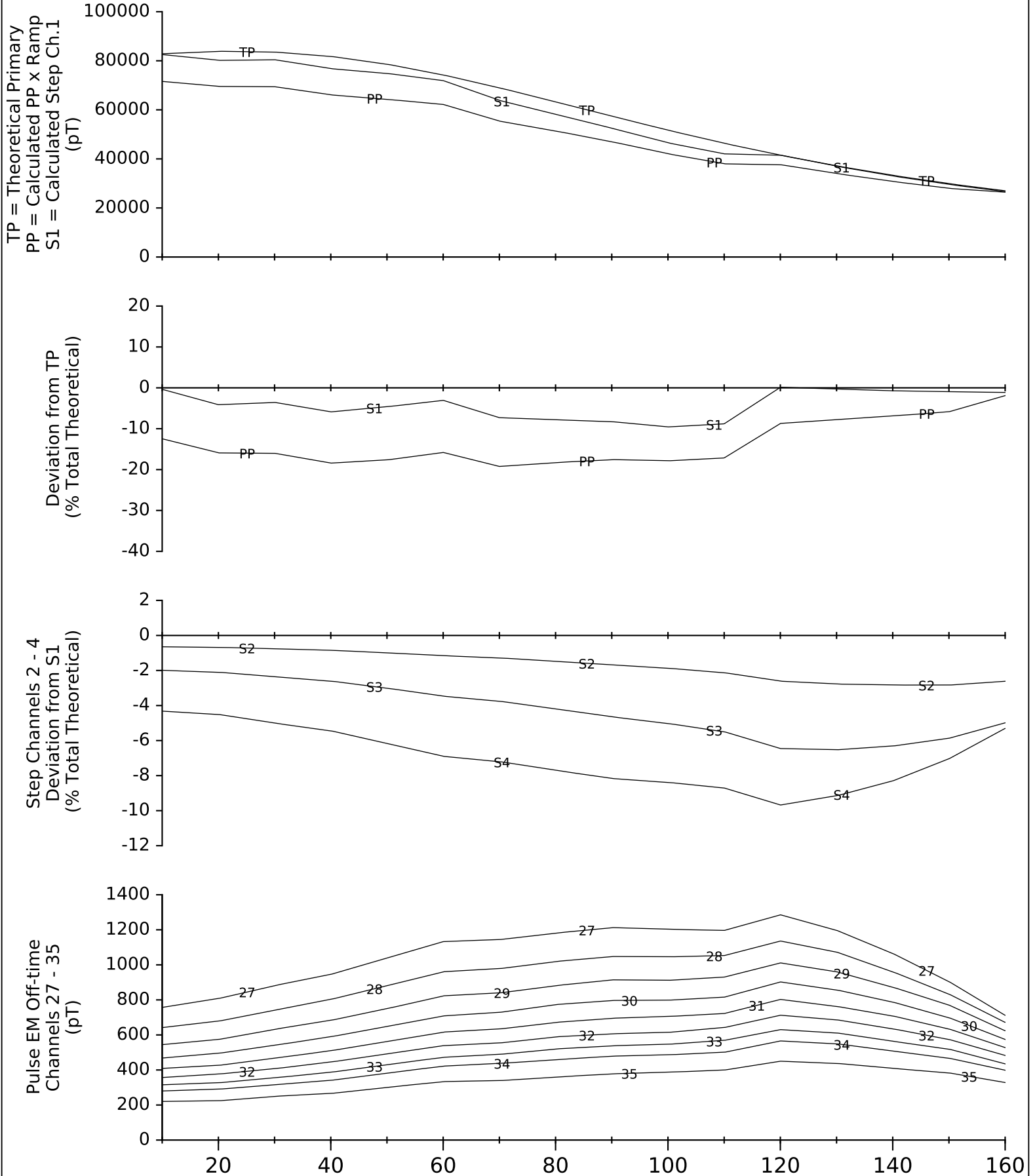


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Z Component

Orford Mining
Frontier
August 25, 2022

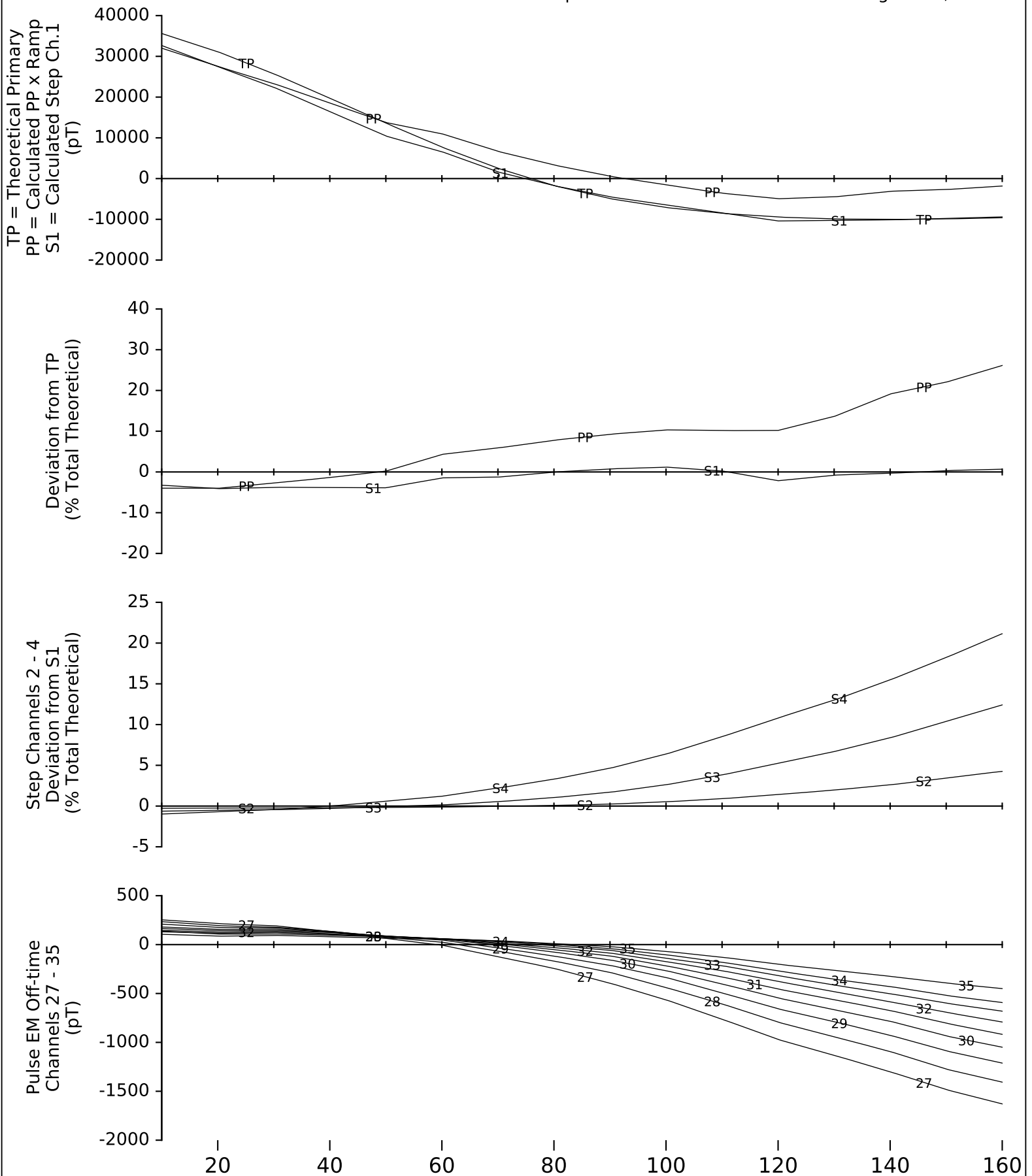


Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
X Component

Orford Mining
Frontier
August 25, 2022

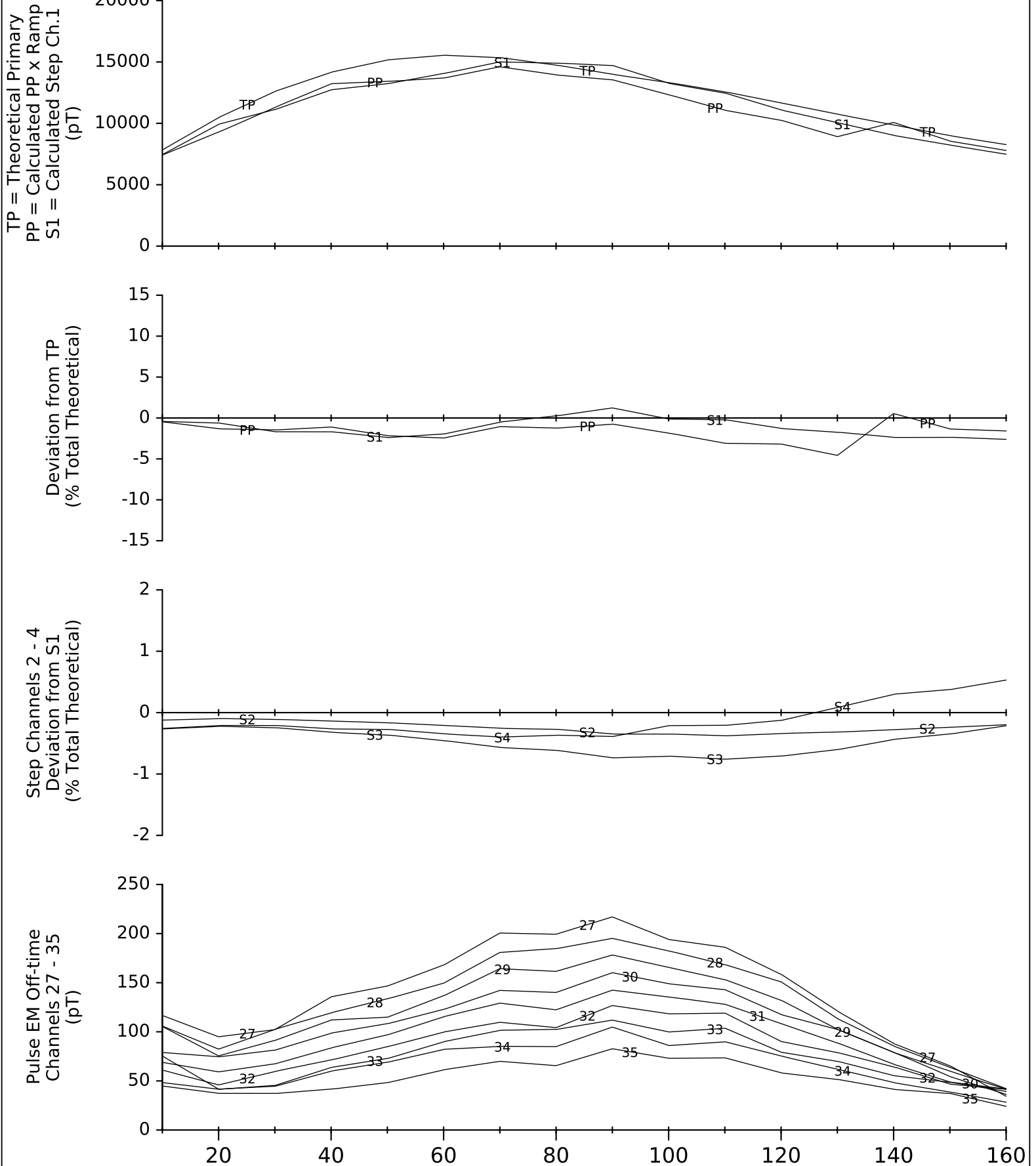


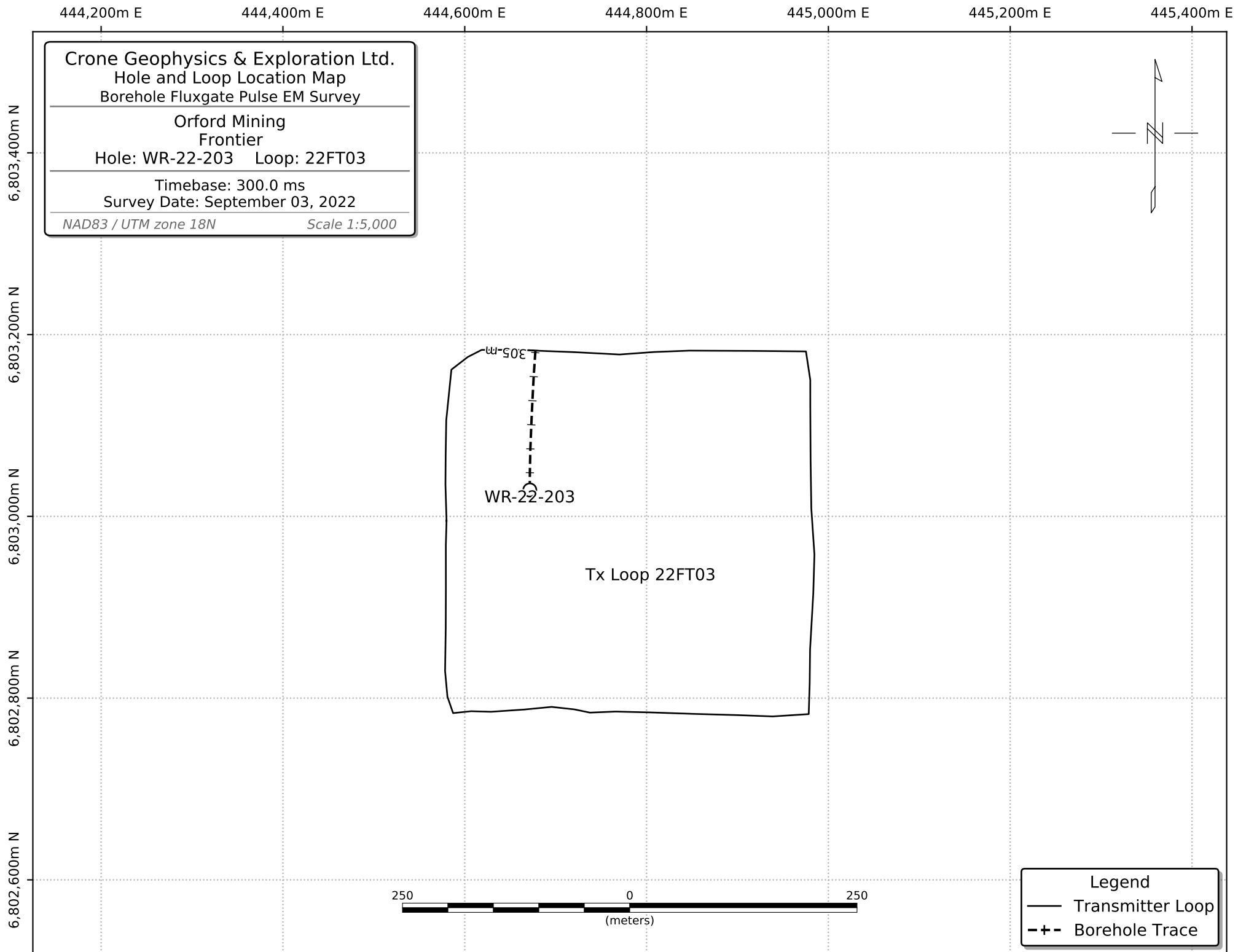
Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

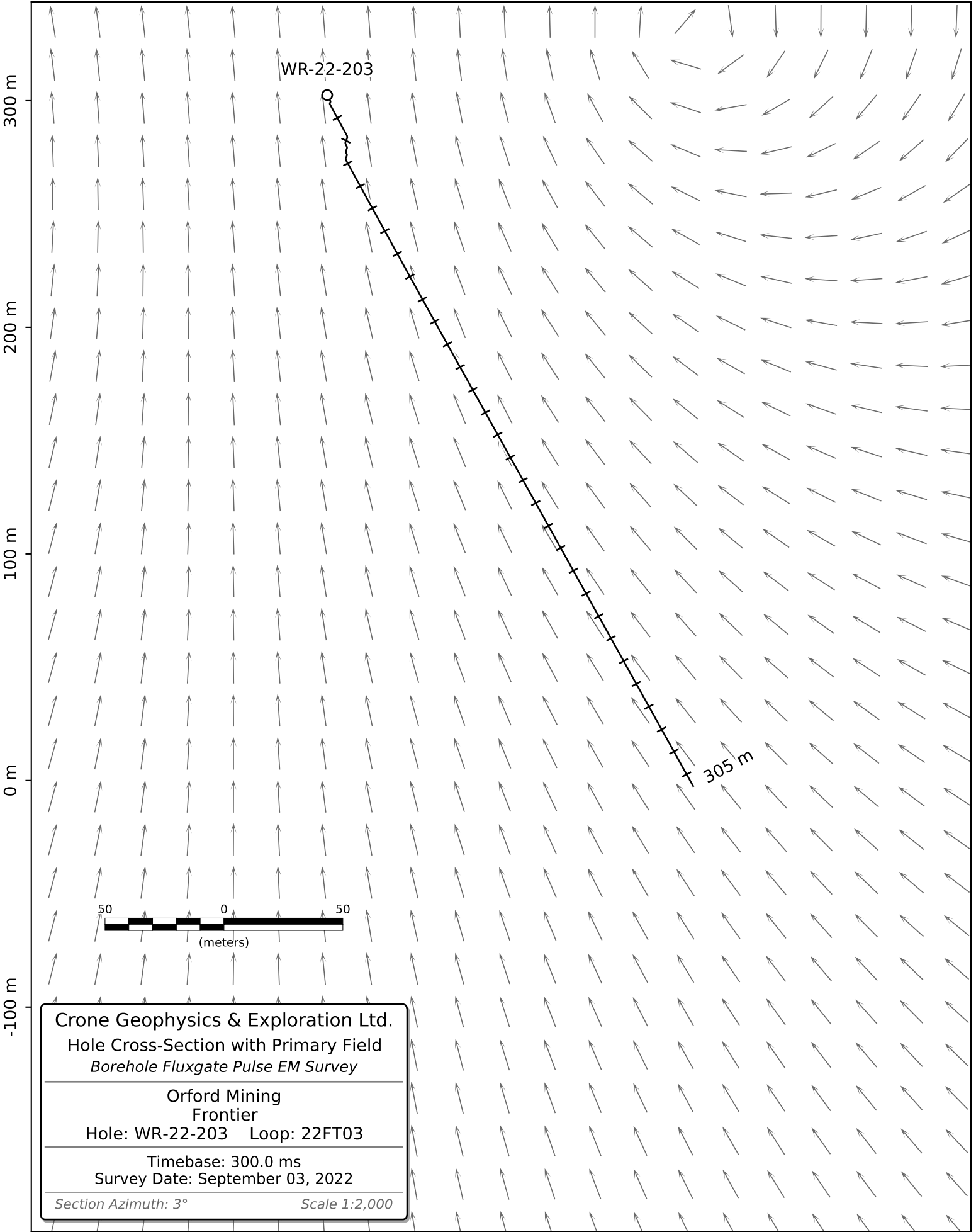
Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-202
Loop: 22FT01
Y Component

Orford Mining
Frontier
August 25, 2022





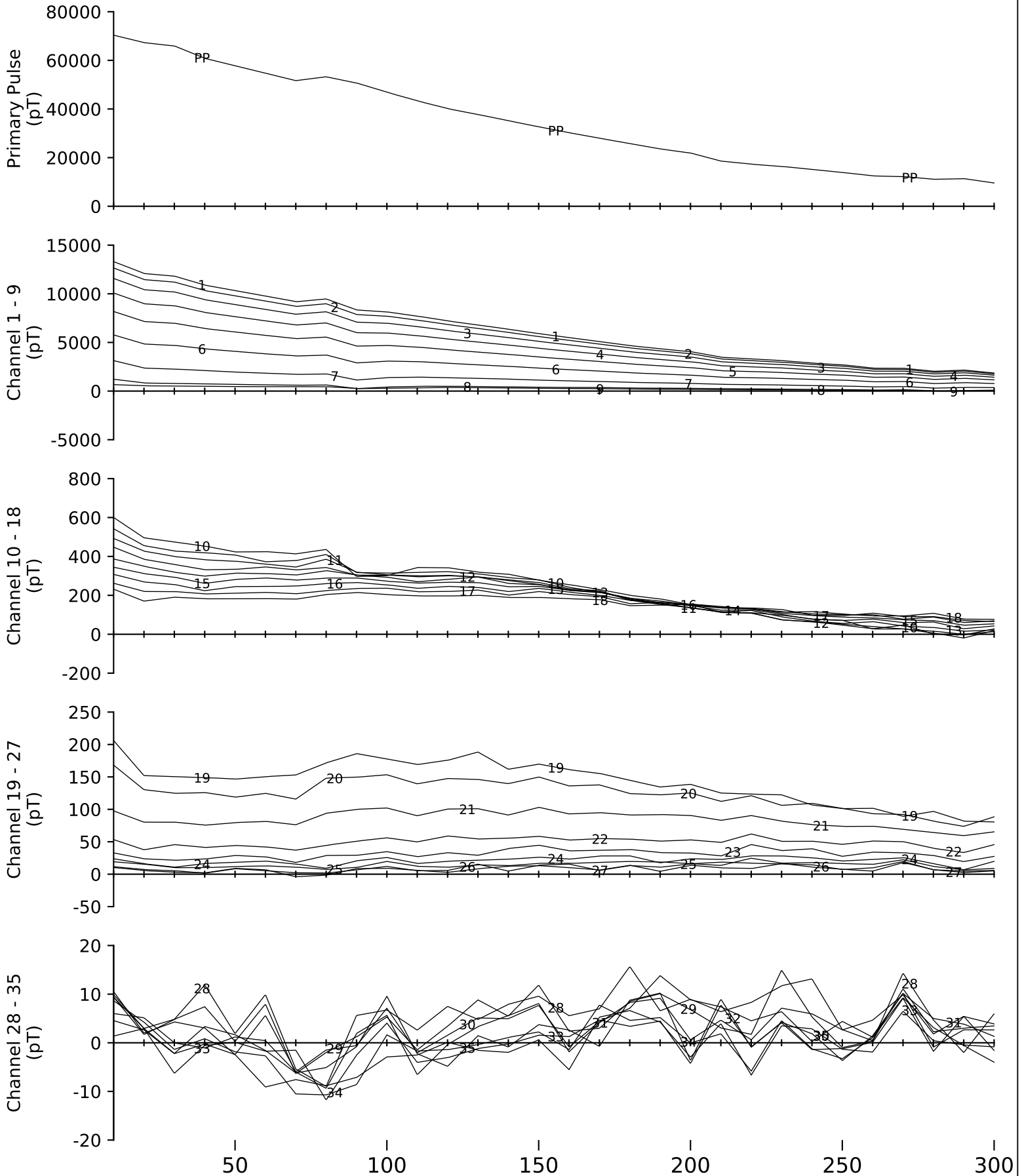


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
Z Component

Orford Mining
Frontier
September 3, 2022

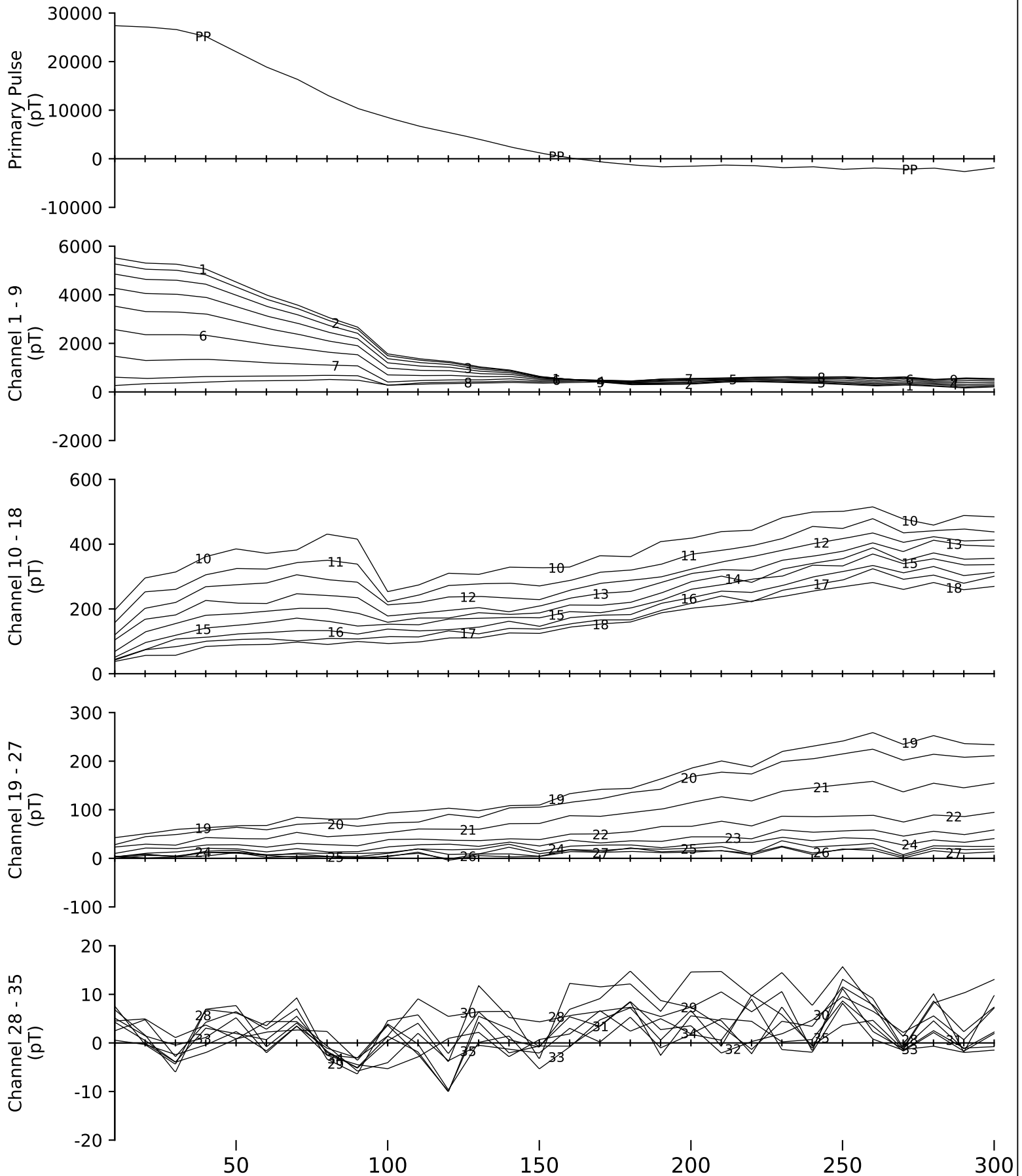


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
X Component

Orford Mining
Frontier
September 3, 2022

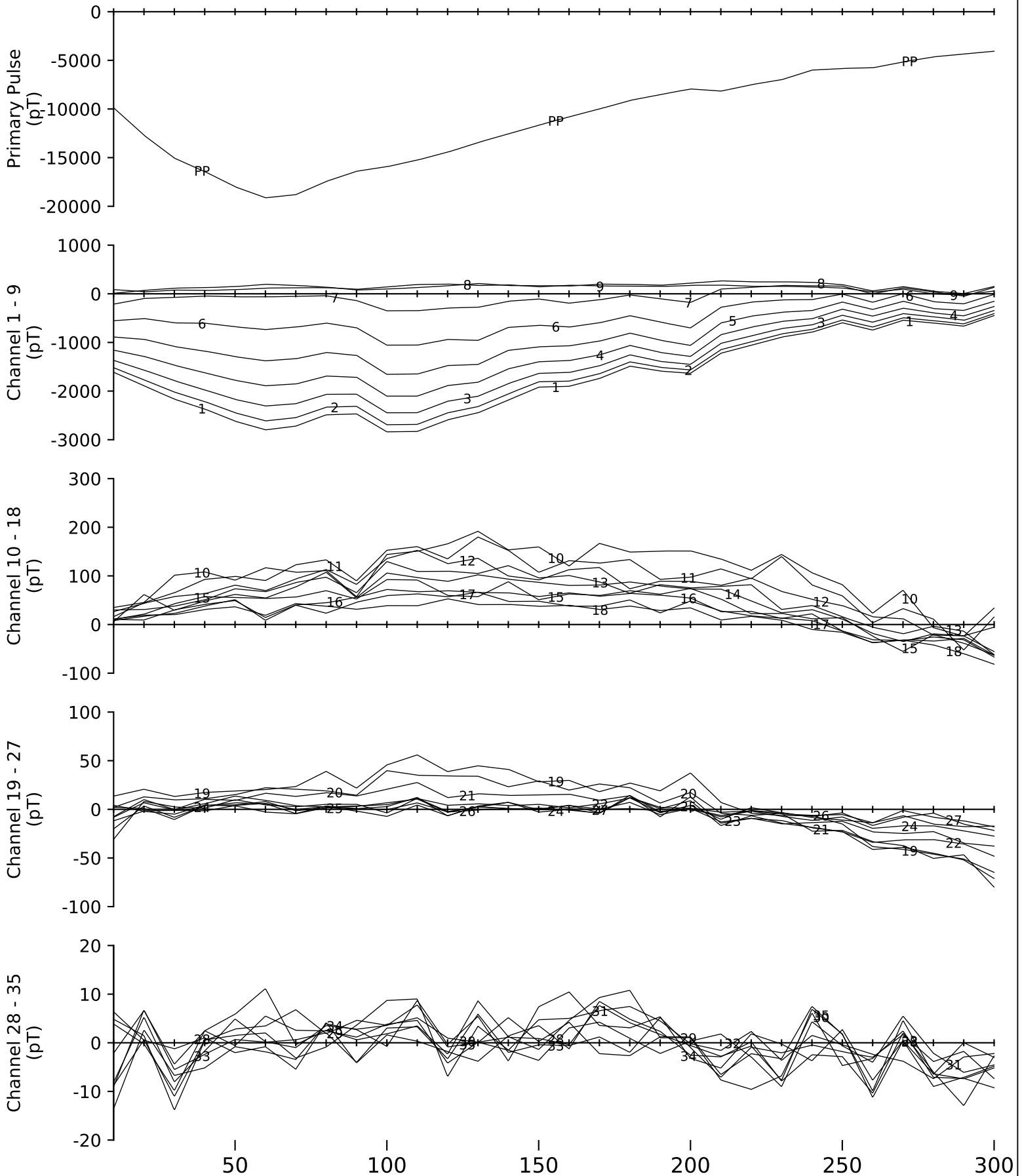


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
Y Component

Orford Mining
Frontier
September 3, 2022

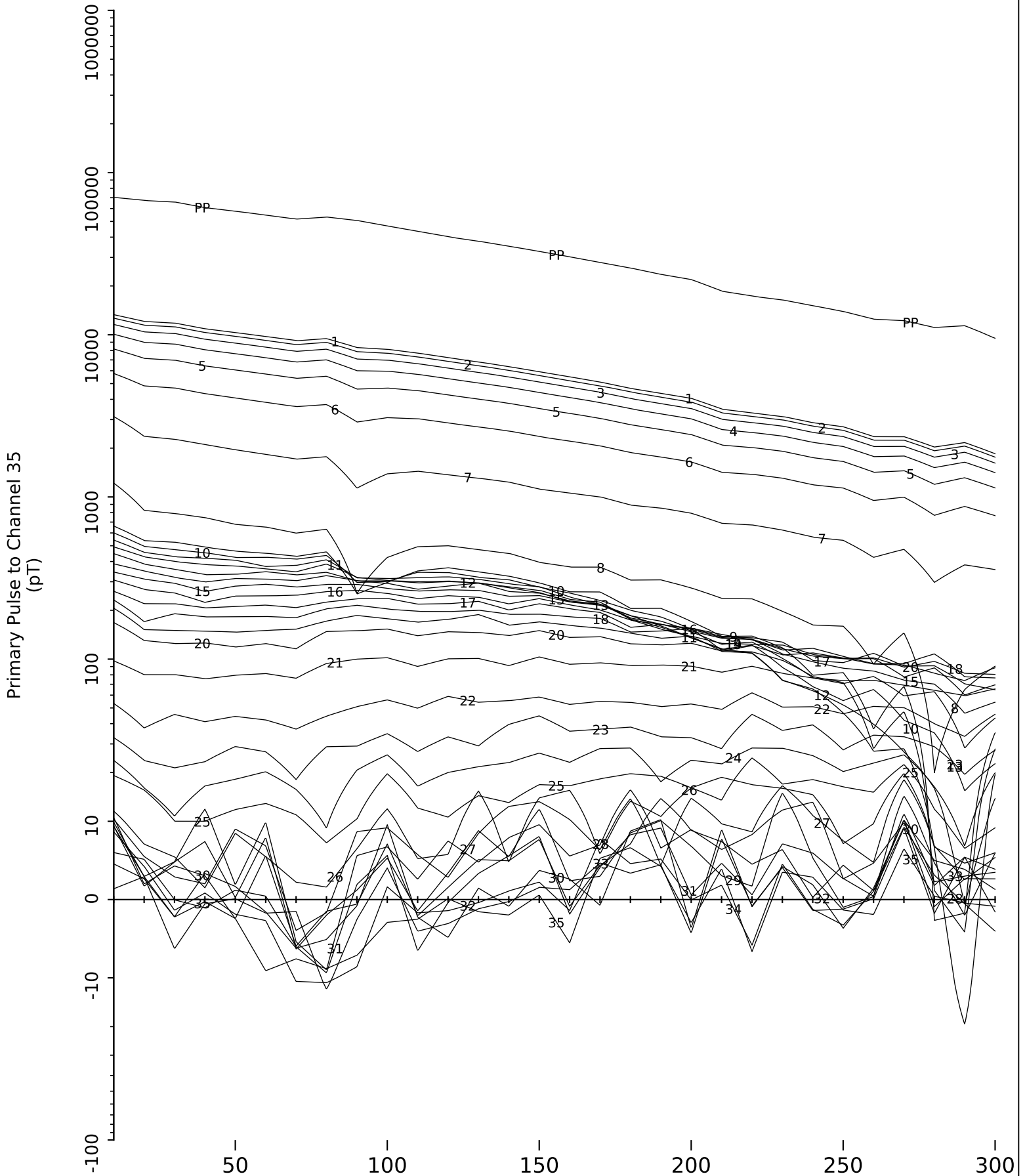


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
Z Component

Orford Mining
Frontier
September 3, 2022

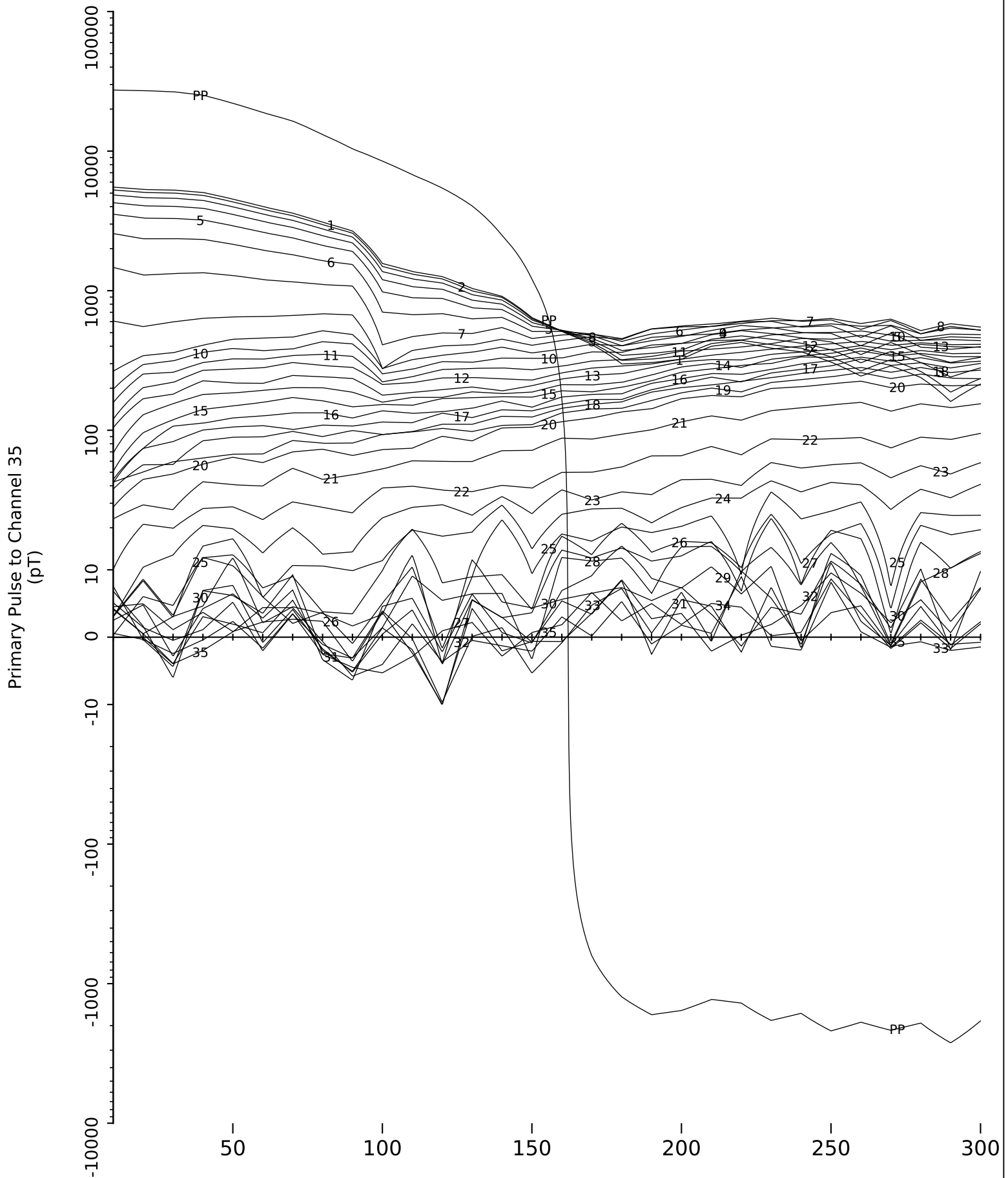


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
X Component

Orford Mining
Frontier
September 3, 2022

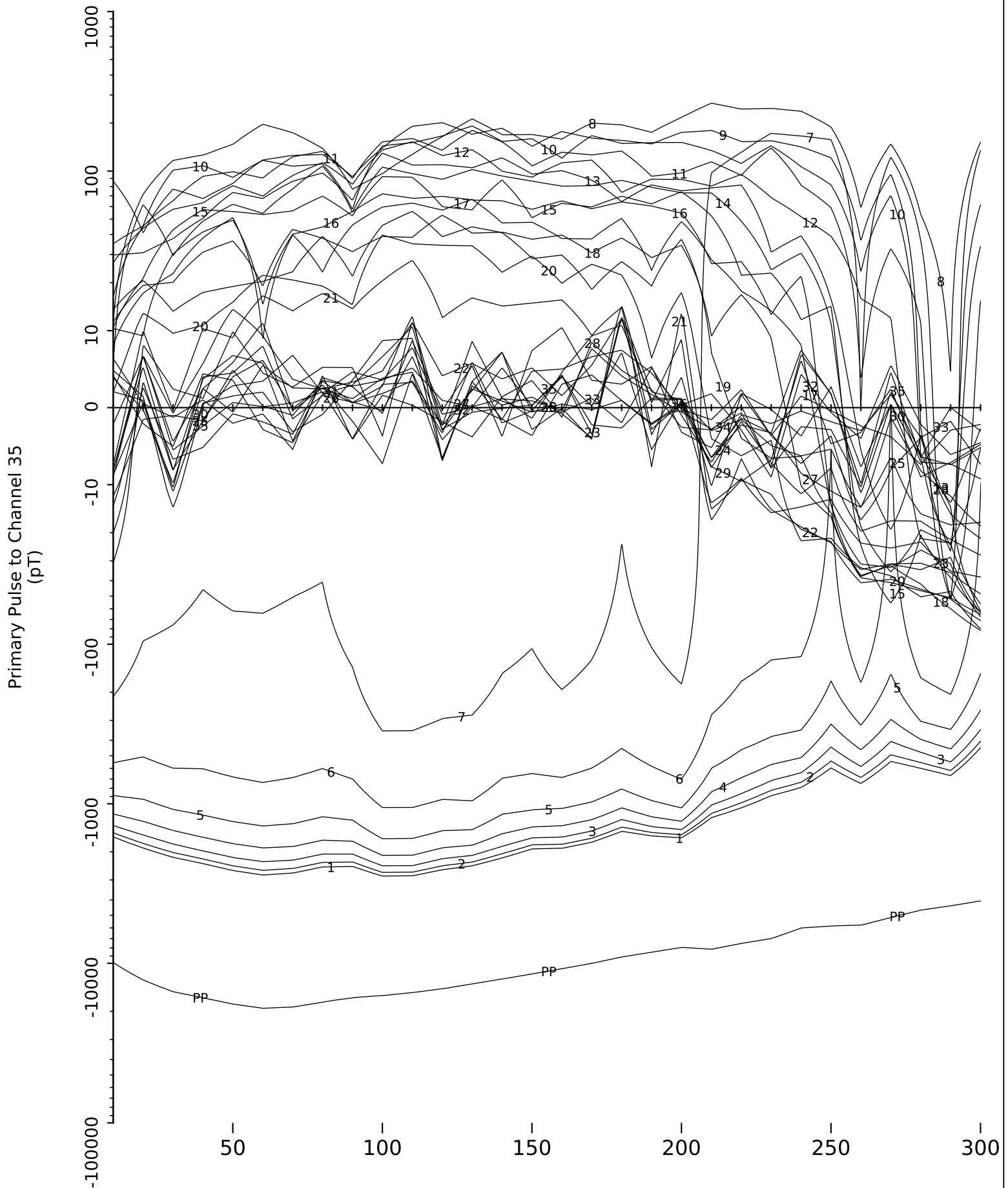


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
Y Component

Orford Mining
Frontier
September 3, 2022

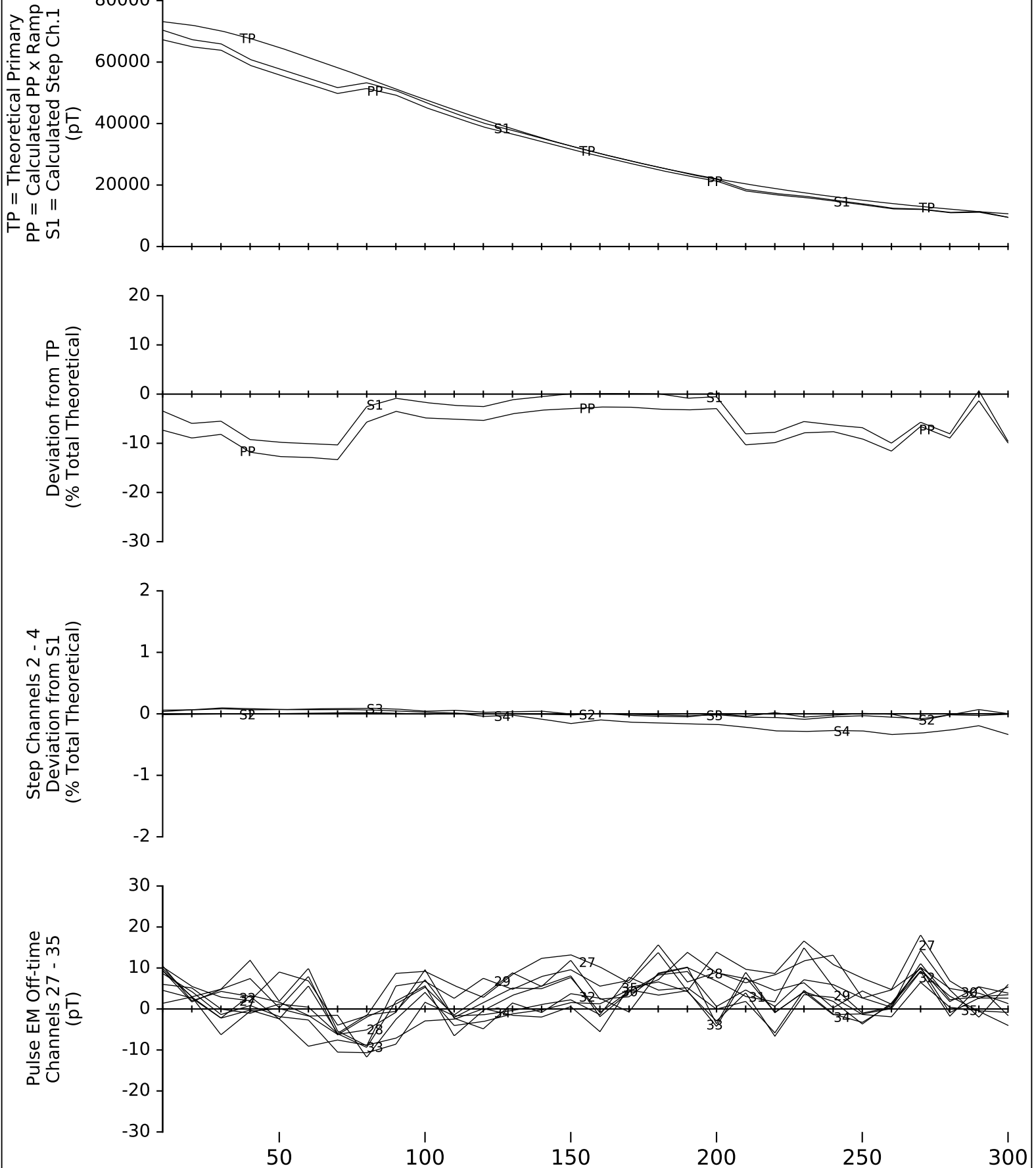


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
Z Component

Orford Mining
Frontier
September 3, 2022

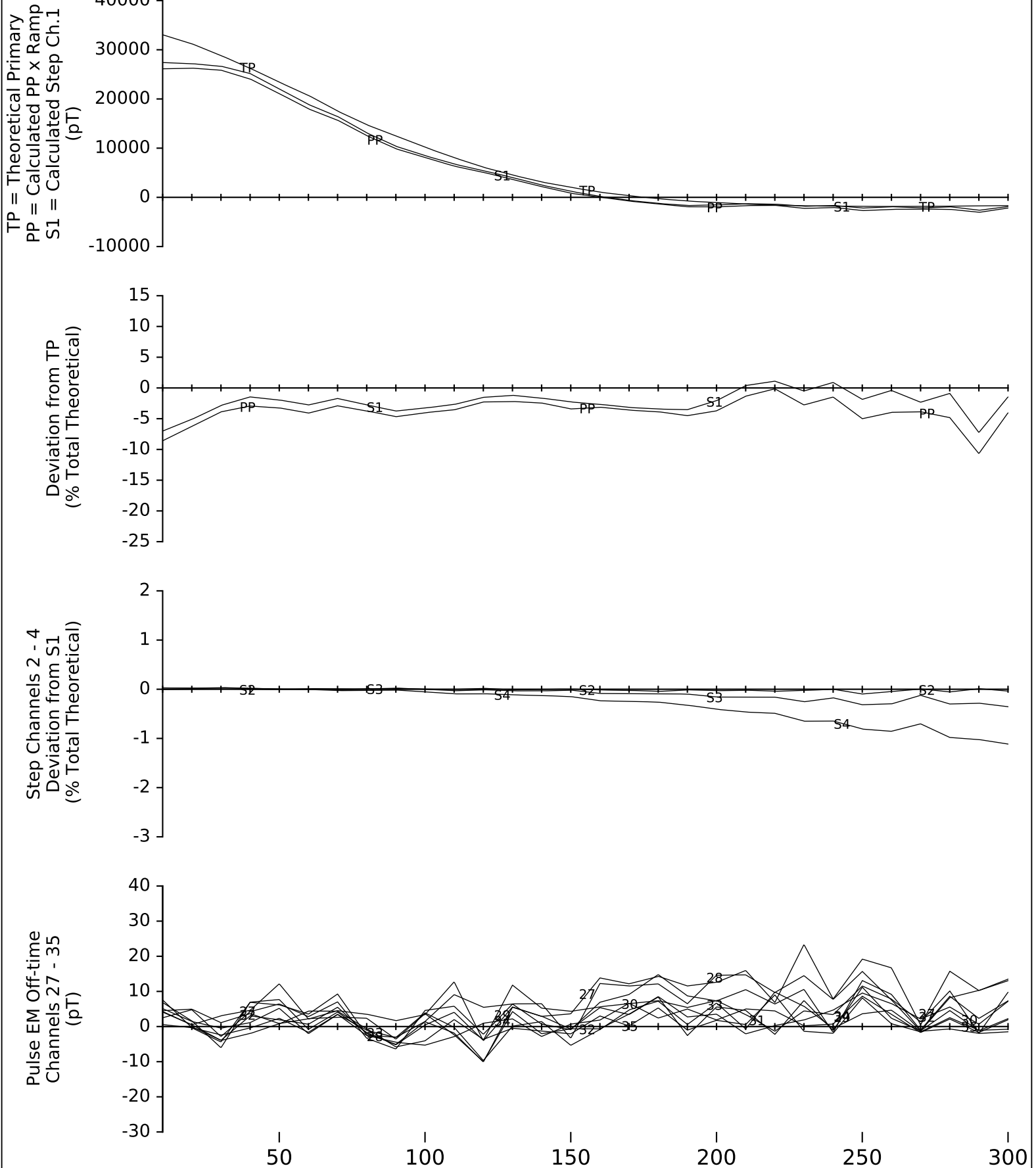


Crone Geophysics & Exploration Ltd.
Borehole Fluxgate Pulse EM Survey

Timebase: 300.00 ms
Base Frequency: 0.83 Hz
Current: 22.1 A

Hole: WR-22-203
Loop: 22FT03
X Component

Orford Mining
Frontier
September 3, 2022



Orford Mining
Frontier
September 3, 2022

