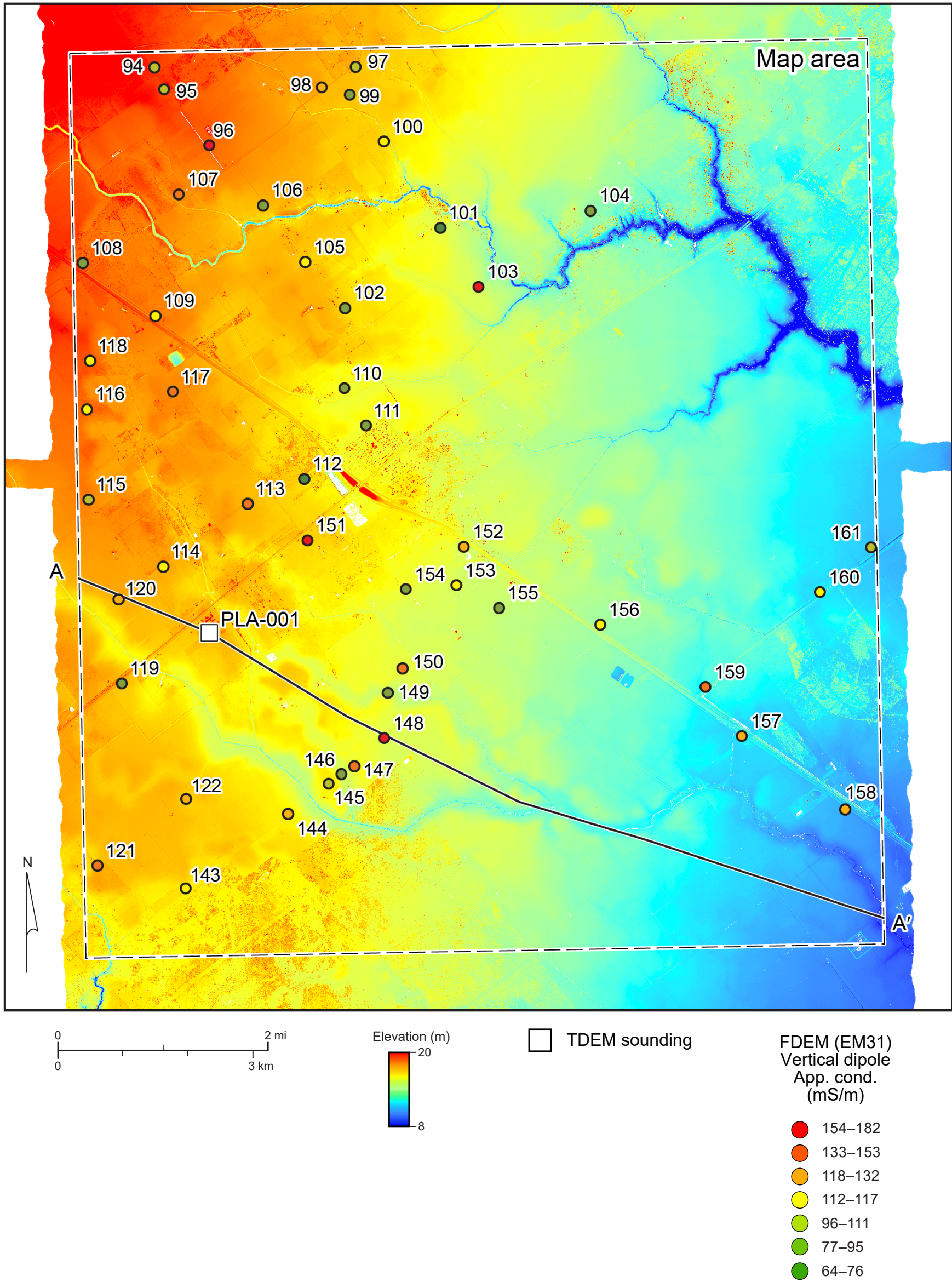
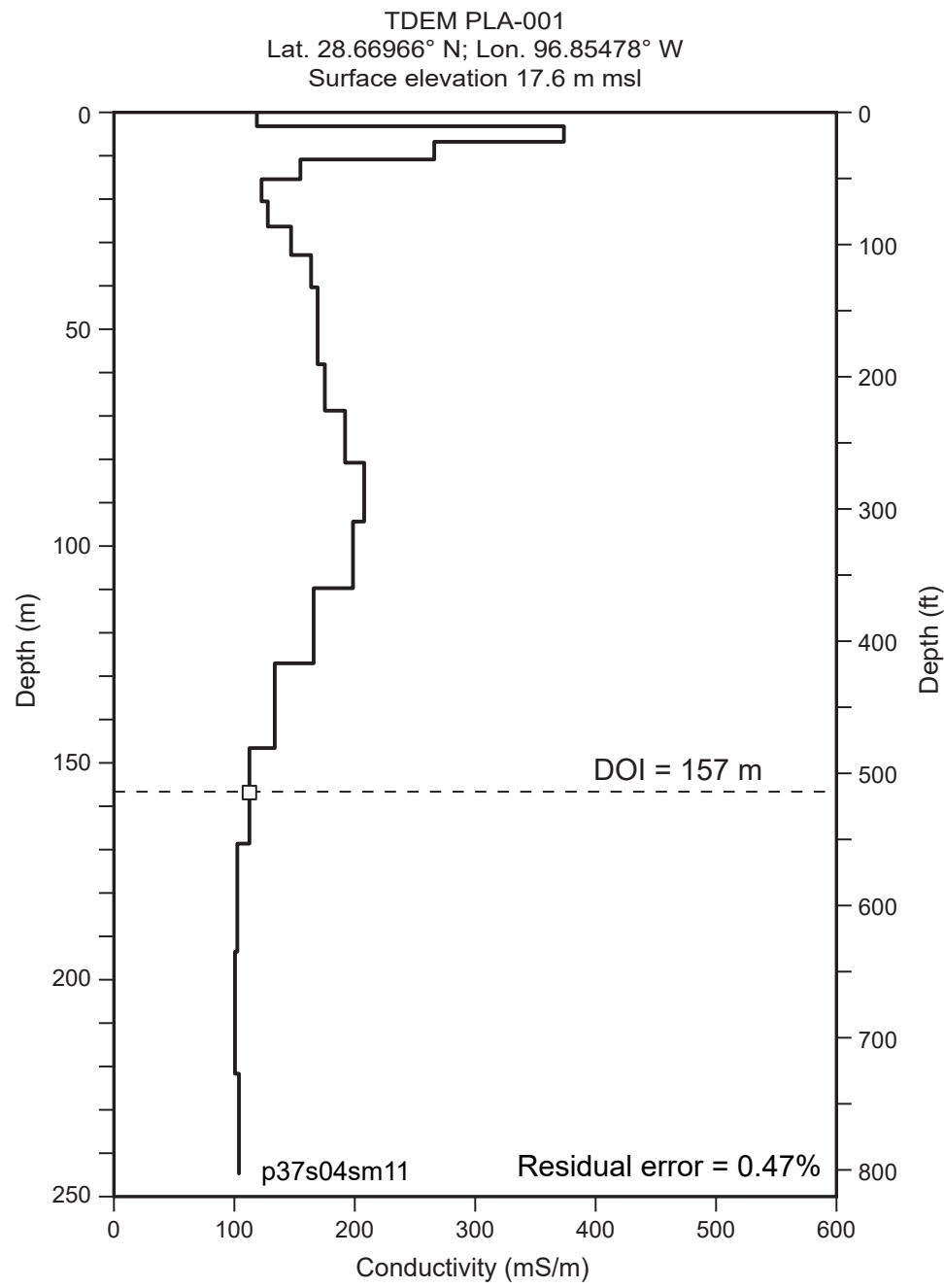


DIGITAL ELEVATION MODEL (DEM) AND TIME-DOMAIN AND FREQUENCY-DOMAIN
ELECTROMAGNETIC INDUCTION MEASUREMENT LOCATIONS



BEST-FIT ELECTRICAL CONDUCTIVITY MODEL,
TIME-DOMAIN ELECTROMAGNETIC SOUNDING



Time-domain electromagnetic (TDEM) sounding was acquired by Bureau of Economic Geology staff in May 2019 using an ABEM WalkTEM dual-moment instrument. The transmitter loop was circular with a 25.5-m radius. Transmitter current ranged from 1 (low moment) to 7 (high moment) amperes. Data were processed using SPIA software from Aarhus University. Location shown on map.

DOI = Approximate depth of investigation

FREQUENCY-DOMAIN ELECTROMAGNETIC INDUCTION MEASUREMENTS

Frequency-domain electromagnetic (FDEM) induction measurements of apparent conductivity measured using Geonics EM38 and Geonics EM31 ground-conductivity meters in the horizontal dipole (HD) and vertical dipole (VD) coil orientations. Approximate exploration depth ranges are 0 to 0.75 m (EM38 HD), 0 to 1.5 m (EM38 VD), 0 to 3 m (EM31 HD), and 0 to 6 m (EM31 VD). Measurement locations are shown on map by FDEM site number.

FDEM site	Date (yyyymmdd)	Longitude (°W, WGS84)	Latitude (°N, WGS84)	App.cond., EM38 HD (mS/m)	App.cond., EM38 VD (mS/m)	App.cond., EM31 HD (mS/m)	App.cond., EM31 VD (mS/m)
94	20190115	28.747859	96.861754	80	100	112	111
95	20190115	28.744729	96.860232	86	108	111	108
96	20190115	28.736877	96.853316	114	144	163	176
97	20190115	28.747405	96.830149	76	101	111	111
98	20190115	28.744622	96.835512	93	107	104	122
99	20190115	28.743577	96.831199	65	82	85	94
100	20190115	28.737005	96.826014	90	105	113	114
101	20190115	28.724934	96.817419	48	62	70	76
102	20190115	28.714128	96.832551	46	66	75	90
103	20190115	28.716696	96.811565	115	135	154	161
104	20190115	28.726952	96.793763	62	80	85	83
105	20190115	28.720573	96.838667	71	105	112	114
106	20190115	28.728507	96.845117	116	119	110	90
107	20190115	28.730223	96.858235	79	101	119	143
108	20190115	28.720983	96.873549	78	94	110	88
109	20190115	28.713517	96.862325	91	107	114	116
110	20190115	28.703036	96.832873	88	99	92	95
111	20190115	28.697818	96.829546	73	91	94	93
112	20190115	28.690619	96.839411	45	66	65	64
113	20190115	28.687320	96.848336	105	121	139	143
114	20190115	28.678874	96.861785	83	105	118	113
115	20190115	28.688288	96.873311	77	97	115	107
116	20190115	28.700781	96.873221	96	110	127	115
117	20190115	28.702976	96.859747	97	118	139	153
118	20190115	28.707468	96.872661	70	87	111	117
119	20190115	28.662827	96.868579	86	104	107	89
120	20190115	28.674408	96.868827	120	133	141	121
121	20190115	28.637732	96.872930	90	107	128	142
122	20190115	28.646706	96.858787	106	125	132	129
143	20190509	28.634370	96.859150	139	149	142	112
144	20190509	28.644440	96.842930	159	152	150	128
145	20190509	28.648440	96.836440	66	95	101	106
146	20190509	28.649780	96.834450	85	94	112	88
147	20190509	28.650810	96.832400	75	112	112	143
148	20190509	28.654590	96.827590	99	137	158	182
149	20190509	28.660860	96.826960	77	104	104	95
150	20190509	28.664200	96.824610	86	128	130	146
151	20190509	28.682120	96.839100	179	174	182	169
152	20190509	28.680840	96.814610	122	136	144	132
153	20190509	28.675520	96.815900	122	119	136	116
154	20190509	28.675100	96.823820	91	102	102	81
155	20190509	28.672300	96.809270	97	101	110	85
156	20190509	28.669750	96.793470	121	145	136	115
157	20190509	28.653950	96.771620	106	133	142	130
158	20190509	28.643580	96.755650	120	128	130	124
159	20190509	28.660860	96.777160	137	148	156	143
160	20190509	28.673640	96.758930	116	116	125	113
161	20190509	28.679690	96.750800	118	131	129	108