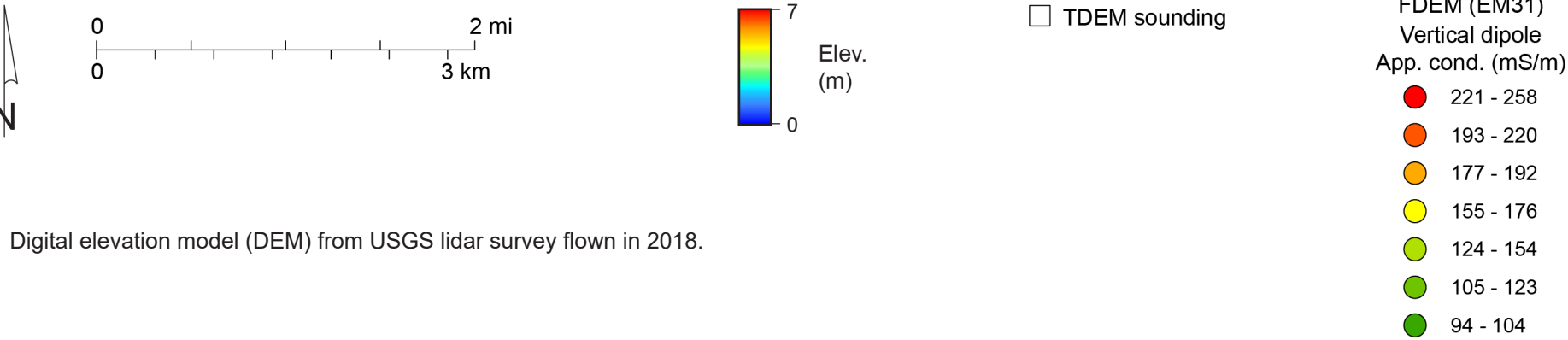
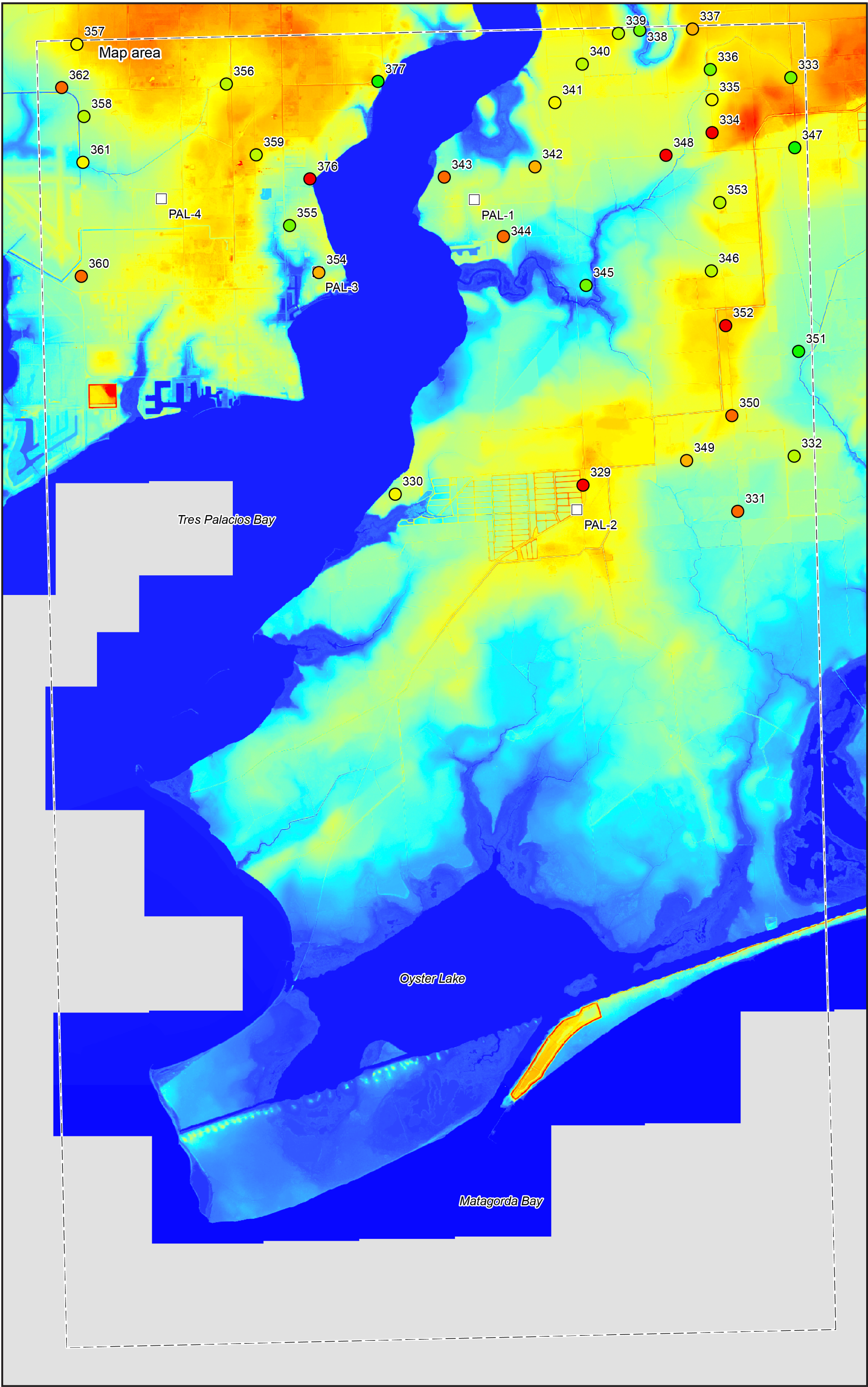
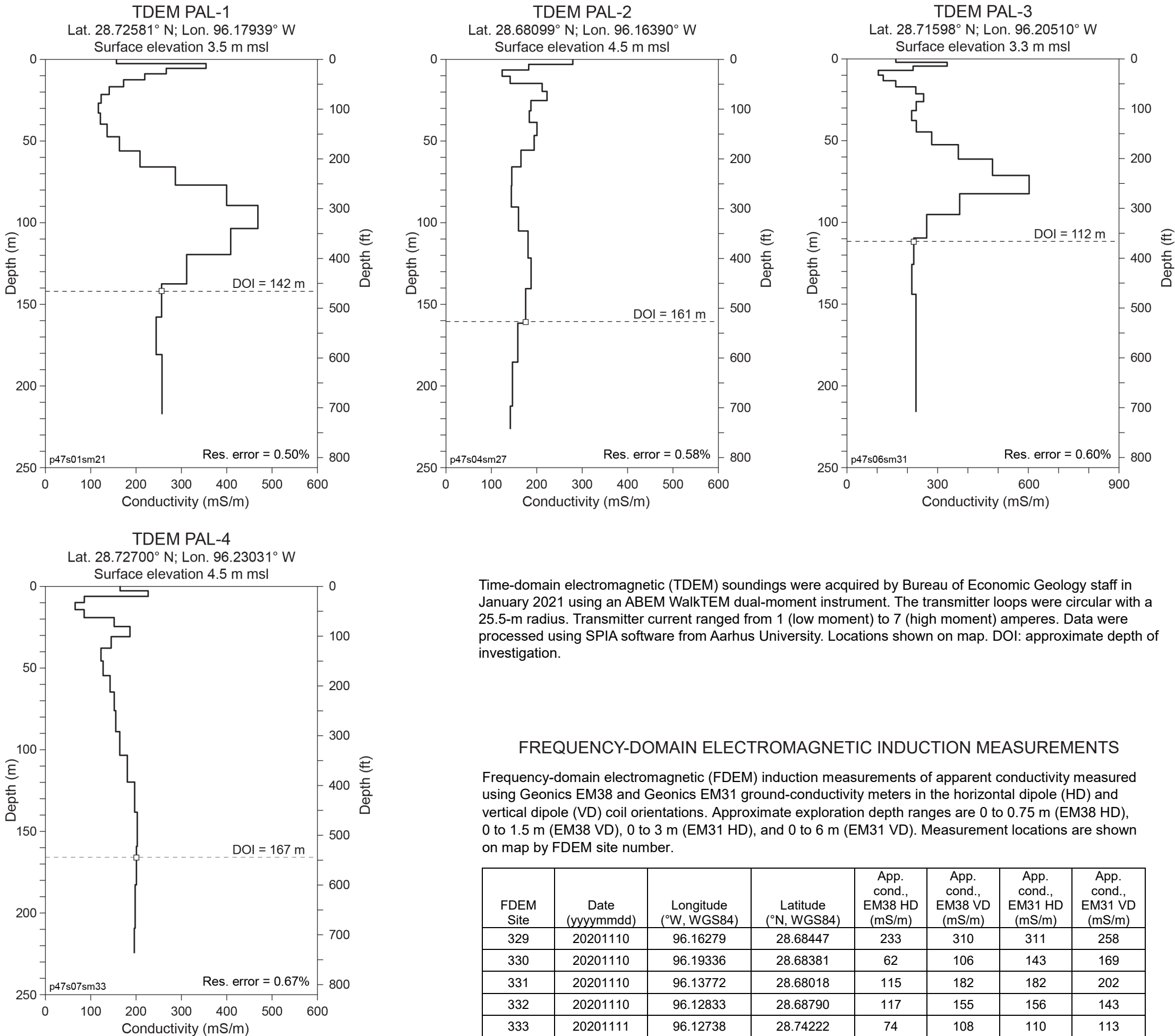


DIGITAL ELEVATION MODEL (DEM) AND TIME-DOMAIN AND FREQUENCY-DOMAIN
ELECTROMAGNETIC INDUCTION MEASUREMENT LOCATIONS



Digital elevation model (DEM) from USGS lidar survey flown in 2018.

BEST-FIT ELECTRICAL CONDUCTIVITY MODELS, TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS



Time-domain electromagnetic (TDEM) soundings were acquired by Bureau of Economic Geology staff in January 2021 using an ABEM WalkTEM dual-moment instrument. The transmitter loops were 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. Locations 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)
329	20201110	96.16279	28.68447	233	310	311	258
330	20201110	96.19336	28.68381	62	106	143	169
331	20201110	96.13772	28.68018	115	182	182	202
332	20201110	96.12833	28.68790	117	155	156	143
333	20201111	96.12738	28.74222	74	108	110	113
334	20201111	96.14042	28.73460	115	215	185	248
335	20201111	96.14030	28.73931	116	118	160	170
336	20201111	96.14045	28.74365	75	114	116	122
337	20201111	96.14319	28.74952	116	177	177	179
338	20201111	96.15178	28.74952	109	156	148	123
339	20201111	96.15527	28.74915	117	164	153	148
340	20201111	96.16126	28.74487	104	151	134	142
341	20201111	96.16587	28.73943	73	101	140	176
342	20201111	96.16936	28.73029	88	131	160	191
343	20201111	96.18416	28.72912	94	138	175	202
344	20201111	96.17476	28.72040	154	219	218	210
345	20201111	96.16151	28.71312	56	82	96	116
346	20201111	96.14108	28.71475	101	125	135	148
347	20201111	96.12702	28.73215	81	114	117	104
348	20201111	96.14800	28.73149	198	253	264	251
349	20201111	96.14583	28.68764	148	187	193	182
350	20201111	96.13830	28.69392	80	123	113	220
351	20201111	96.12720	28.70291	83	102	102	94
352	20201111	96.13896	28.70687	86	118	156	233
353	20201111	96.13941	28.72453	68	96	123	146
354	20201111	96.20493	28.71586	84	132	168	192
355	20201111	96.20953	28.72270	44	74	92	114
356	20201111	96.21928	28.74321	93	140	152	154
357	20201111	96.24343	28.74943	86	119	135	159
358	20201111	96.24256	28.73903	117	146	142	141
359	20201111	96.21468	28.73296	52	79	110	133
360	20201112	96.24359	28.71611	94	131	183	217
361	20201112	96.24290	28.73245	84	125	142	168
362	20201112	96.24609	28.74325	116	166	180	203
376	20201112	96.20602	28.72932	85	136	185	234
377	20201112	96.19459	28.74307	42	65	80	98