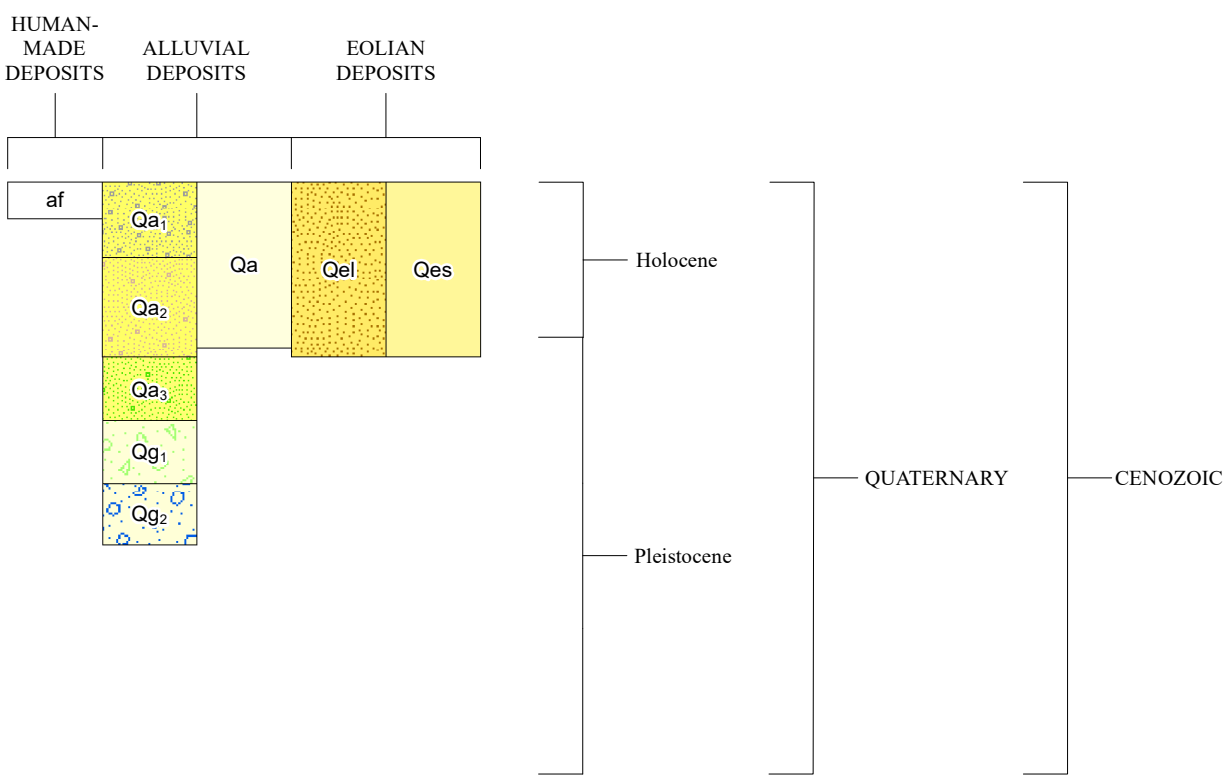
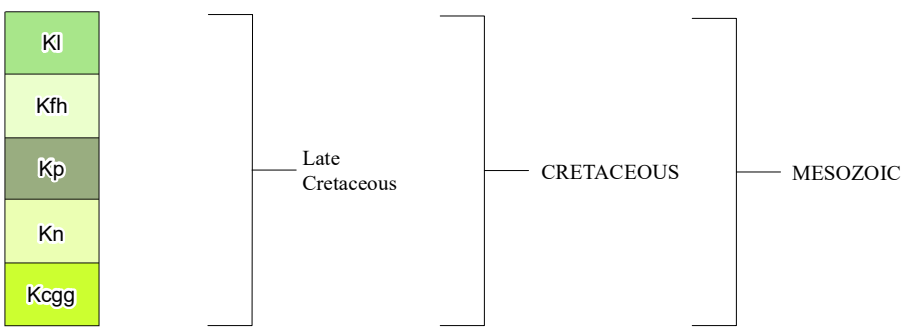


CORRELATION OF MAP UNITS

SURFICIAL DEPOSITS



BEDROCK UNITS



3-D OBLIQUE VIEW OF GEOLOGIC MAP

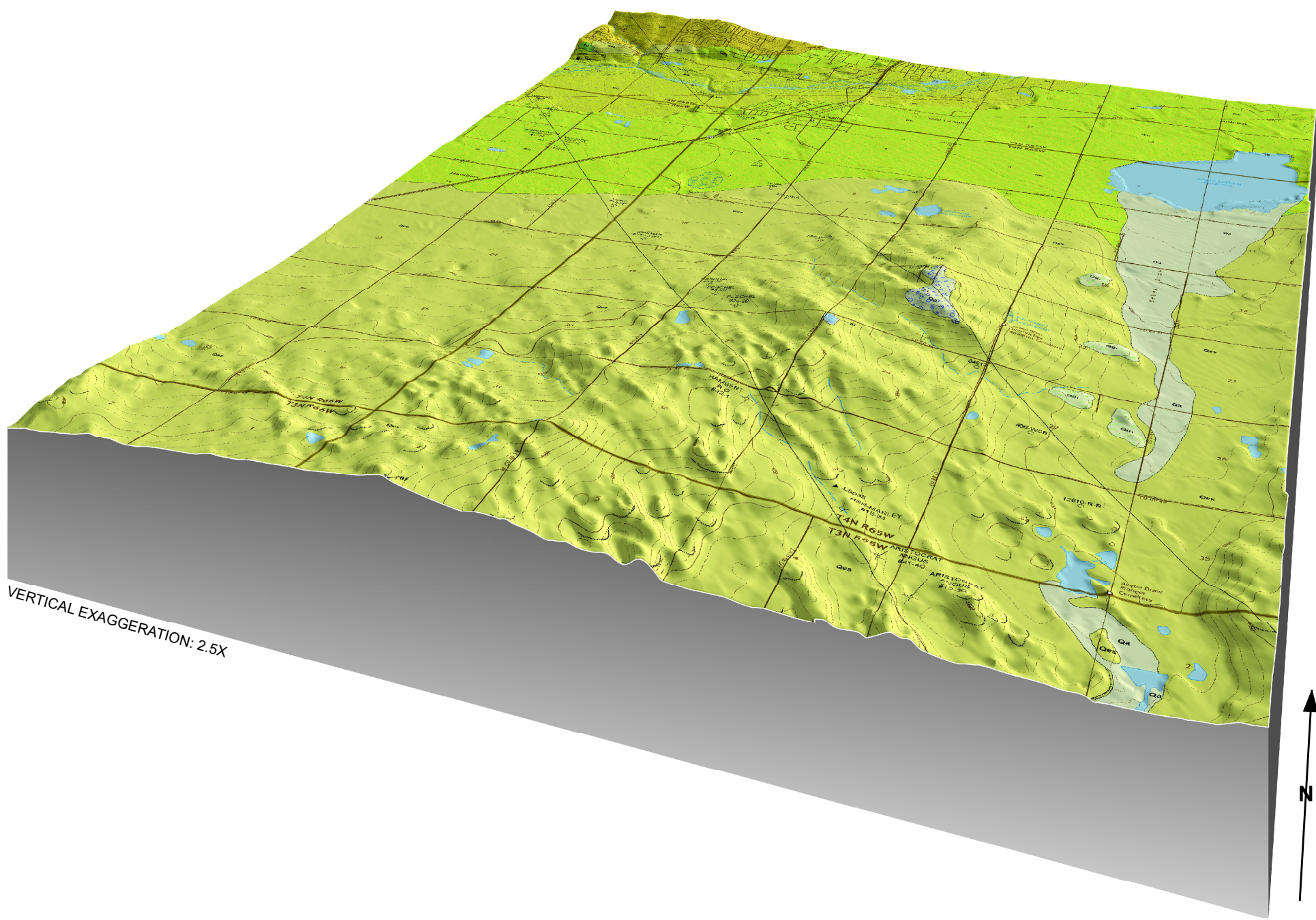


Table 1. Radiocarbon age estimates.

Field Number	Laboratory Number	Map Unit	Material Dated	UTM Easting ^a	UTM Northing ^a	Latitude	Longitude	Approximate Depth (m)	$\delta^{13}C$ (‰)	¹⁴ C age (¹⁴ C yr BP) ^b	Calibrated Age (cal yr BP) ^c
LS035a	Beta-512271	Qes	Organic Sediment	528229	4457334	40.266	-104.668	2.9	-20.9	9350 ± 40	10691-10488
LS035b	Beta-512265	Qes	Organic Sediment	528229	4457334	40.266	-104.668	2.7	-21.5	8440 ± 30	9523-9431

^aNorth American Datum (NAD) 1983, zone 13N

^bConventional radiocarbon age, normalized to -25‰, based on 5,568 year half-life; uncertainty ± 1 σ

^cCalibrated age calculated using INTCAL13 (Reimer and others, 2013); 0 yr B.P. = 1950 A.D.

Table 2. Optically Stimulated Luminescence (OSL) age estimates.

Field Number	Map Unit	Material Dated	UTM Easting ^a	UTM Northing ^a	Latitude	Longitude	Approximate Depth (m)	% Water Content ^b	K (%) ^c	U (ppm) ^c	Th (ppm) ^c	Total Dose (Gy/ka) ^d	Equivalent Dose (Gy)	n ^e	Scatter ^f	OSL Age (yrs) ± 1 σ ^g
LS108a	Qa2	Medium Sand	521312	4467634	40.359	-104.749	2.4	0 (25)	3.96 ± 0.11	1.62 ± 0.21	8.11 ± 1.05	4.94 ± 0.30	15.01 ± 0.92	25 (25)	31%	3,040 ± 260
LS108b	Qa2	Medium Sand	521312	4467634	40.359	-104.749	3.8	17 (52)	3.90 ± 0.06	1.45 ± 0.12	8.17 ± 0.46	4.55 ± 0.12	13.72 ± 0.83	28 (28)	32%	3,020 ± 200

^aNorth American Datum (NAD) 1983, zone 13N

^bField moisture, with figures in parentheses indicating the complete sample saturation %. Ages calculated using 25% of the saturated moisture (i.e. 0 (25) = 25 * 0.25 = 6).

^cAnalyses obtained using high-resolution gamma spectrometry (high purity Ge detector).

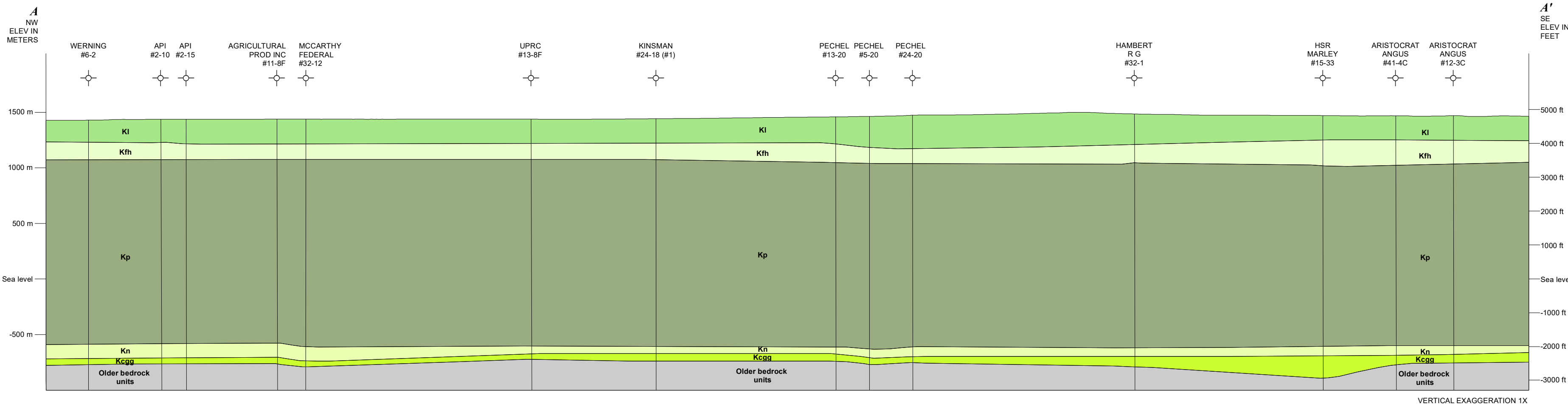
^dIncludes cosmic doses and attenuation with depth calculated using the methods of Prescott and Hutton (1994). Cosmic doses were about 0.20-0.32 Gy/ka.

^eNumber of replicated equivalent dose (De) estimates used to calculate the total. Figures in parentheses indicate total number of measurements included in calculating the represented De and age using the central age model (CAM); analyzed via single aliquot regeneration on quartz grains.

^fDefined as "over-dispersion" of the De values. Obtained by the "R" factor program. Values >30% are considered to be poorly bleached or mixed sediments.

^gDose rate and age for fine-grained 250-90 micron sized quartz. Exponential + linear fit used on De, errors to one sigma.

CROSS SECTION A-A'



CROSS SECTION B-B'

