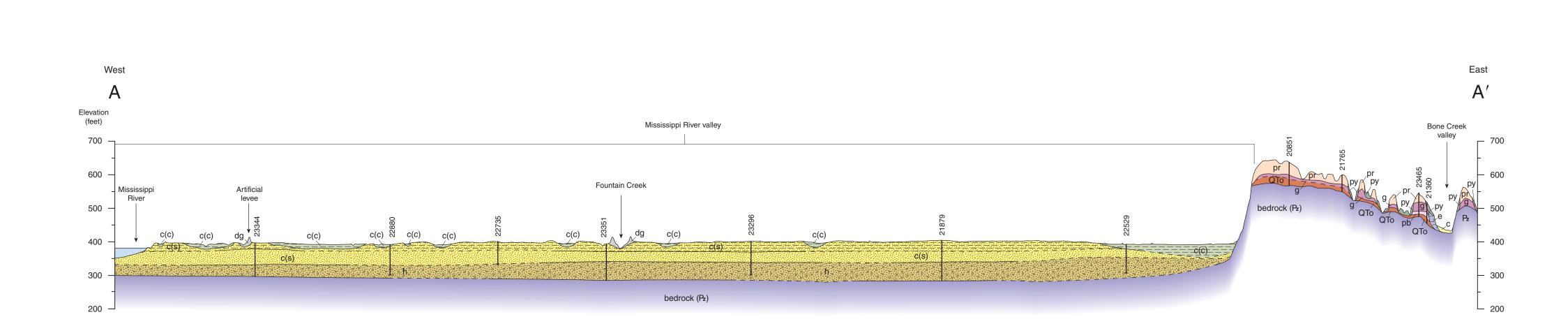
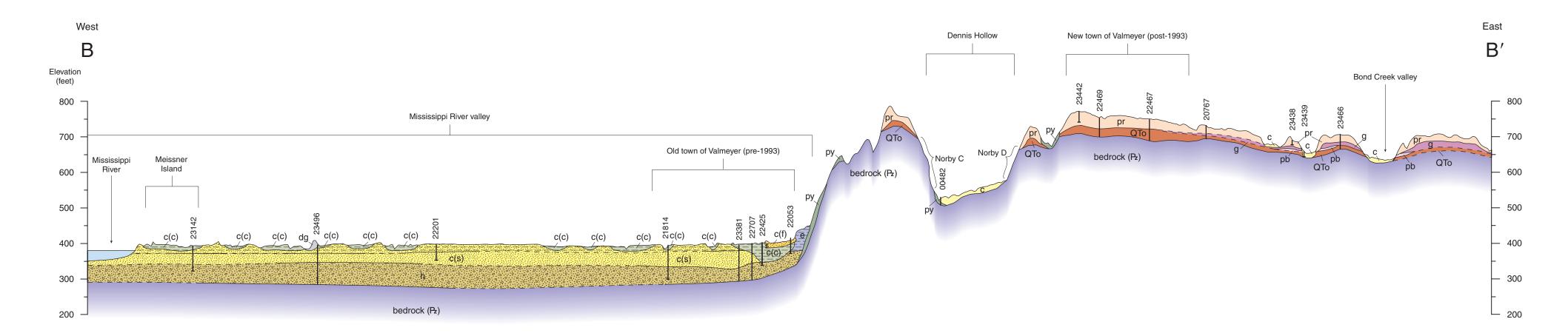


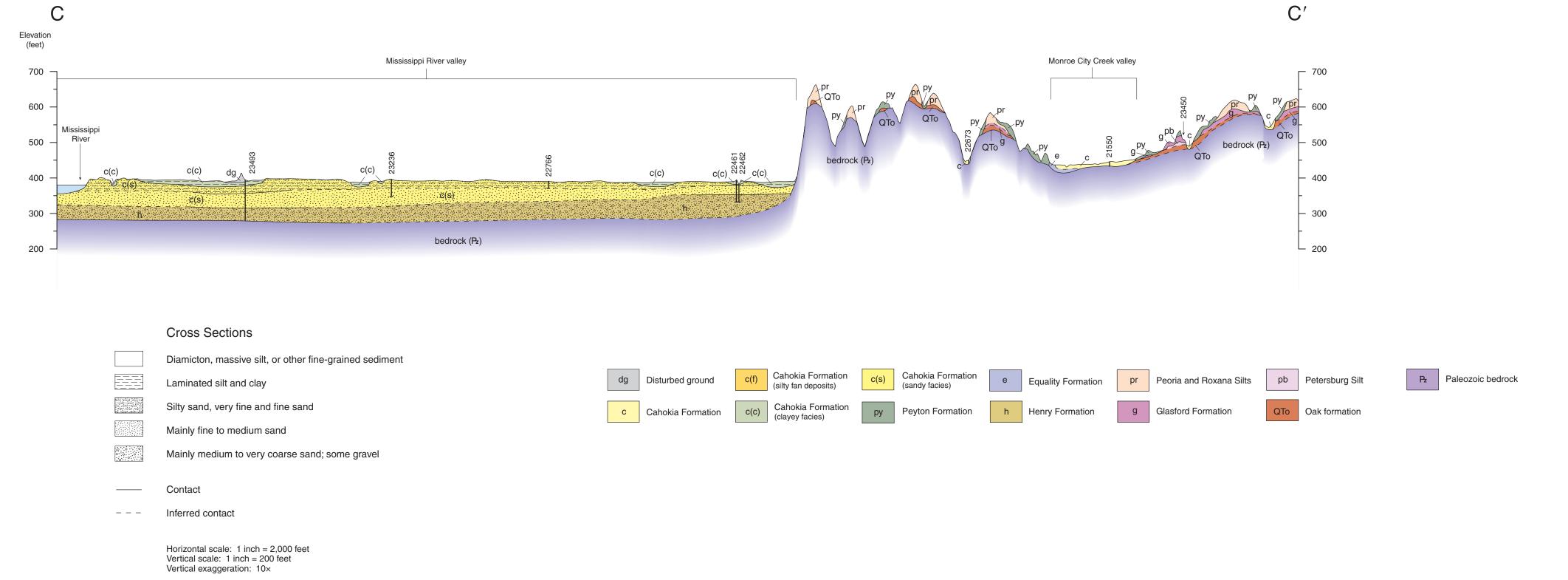
ISCONSIN EPISODE (~55,000–12,000 years B.P.)		
t and silty clay with some fine nd; yellowish brown to gray; ssive to stratified; soft to medium hisistency; mapped on terraces herally at 420- to 465-foot eleva- his; leached to calcareous; 5 to 30 t thick	Equality Formation	Slackwate backwate sippi Rive glacial tim along Bor City Cree a loess co
dium to coarse sand with fine avel; yellowish brown to brownish y; well sorted, contains sedimen- y (quartz, chert, carbonate, etc.) d erratic pebbles (granite, mafics); prounded to subangular; leached to careous; up to 65 feet thick	Henry Formation (cross sections only)	Outwash River valle resulting f Midwest; postglacia tion)
t loam; yellowish brown to dark lowish brown (Peoria Silt; upper t) to slightly pinkish brown (Roxana ; lower unit); massive with weak soil ucture; Roxana Silt ~50 to 75% as kk as Peoria Silt in uneroded areas; ched to weakly dolomitic (in thick ss areas); medium consistency; condary carbonate along fractures; upper few feet are altered to a avy silt loam to silty clay loam and a re blocky structure; total loess ckness is 5 to 40 feet (typically 20 to feet in uneroded areas)	Peoria and Roxana Silts pr	Windblow some coll along stee (typically a upper 3 to stable upl Mississipp postdepos or redepo much of th steeply sl >5 feet th
_INOIS EPISODE (~200,000–130,000 years B.P.)		

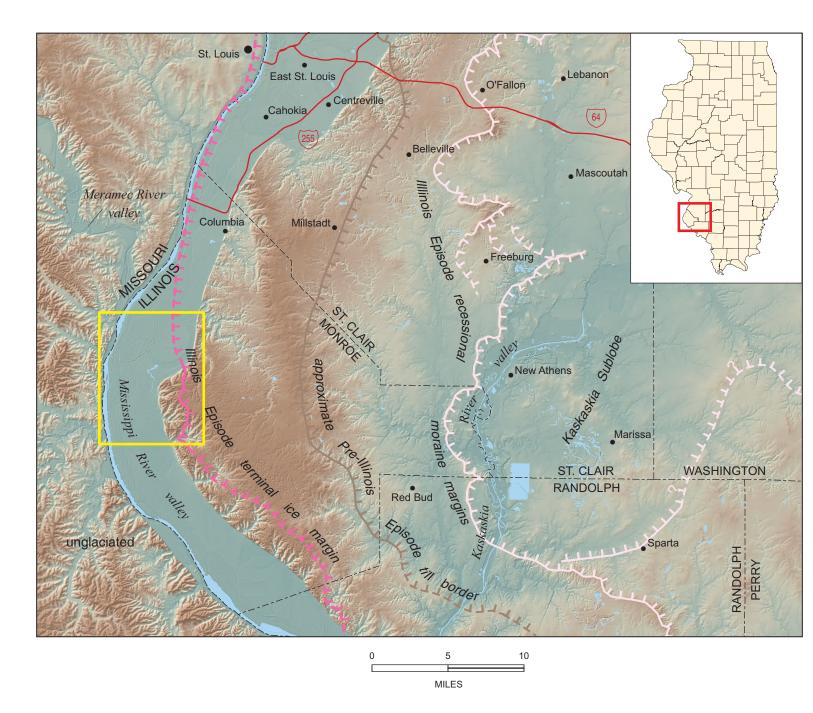




West

East







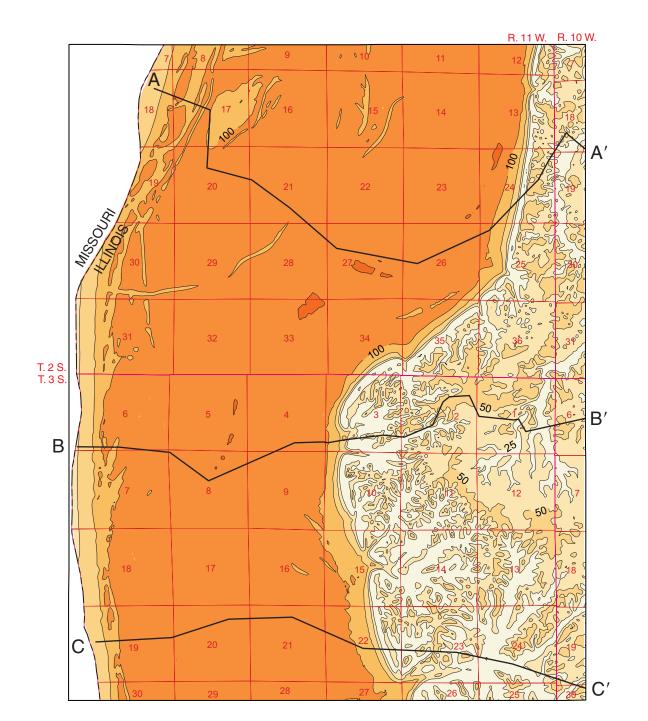


Figure M1 Shaded relief map of the St. Louis Metro East area (southern portion). The Valmeyer Quadrangle is outlined in yellow. The dark pink lines indicate the approximate Illinois Episode terminal ice margin. Recessional moraines are shown in light pink. The brown line represents the buried pre-Illinois Episode till border.

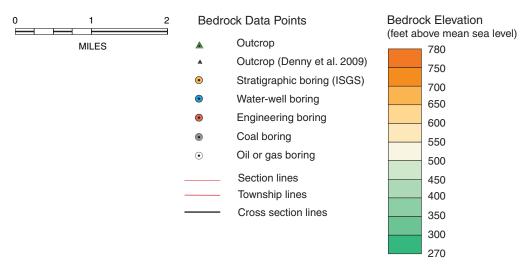


Figure M2 Bedrock topography of the Valmeyer Quadrangle. Localities of all data that reliably indicate the bedrock surface are shown (many data are not shown on the surficial map). Map scale is 1:80,000.

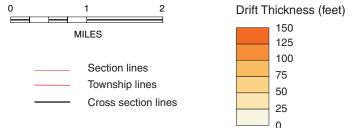


Figure M3 Drift thickness of the Valmeyer Quadrangle. Drift includes all unconsolidated sediments above bedrock (e.g., loess, till, alluvium, and lake sediment). Data point locations are the same as in Figure M2. Map scale is 1:80,000.

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