SURFICIAL GEOLOGIC MAP OF THE WILTON 7.5' QUADRANGLE, MUSCATINE AND CEDAR COUNTIES, IOWA

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Iowa Geological Survey

Open File Map: **OFM-22-8** Keith Schilling, State Geologist Published August, 2022

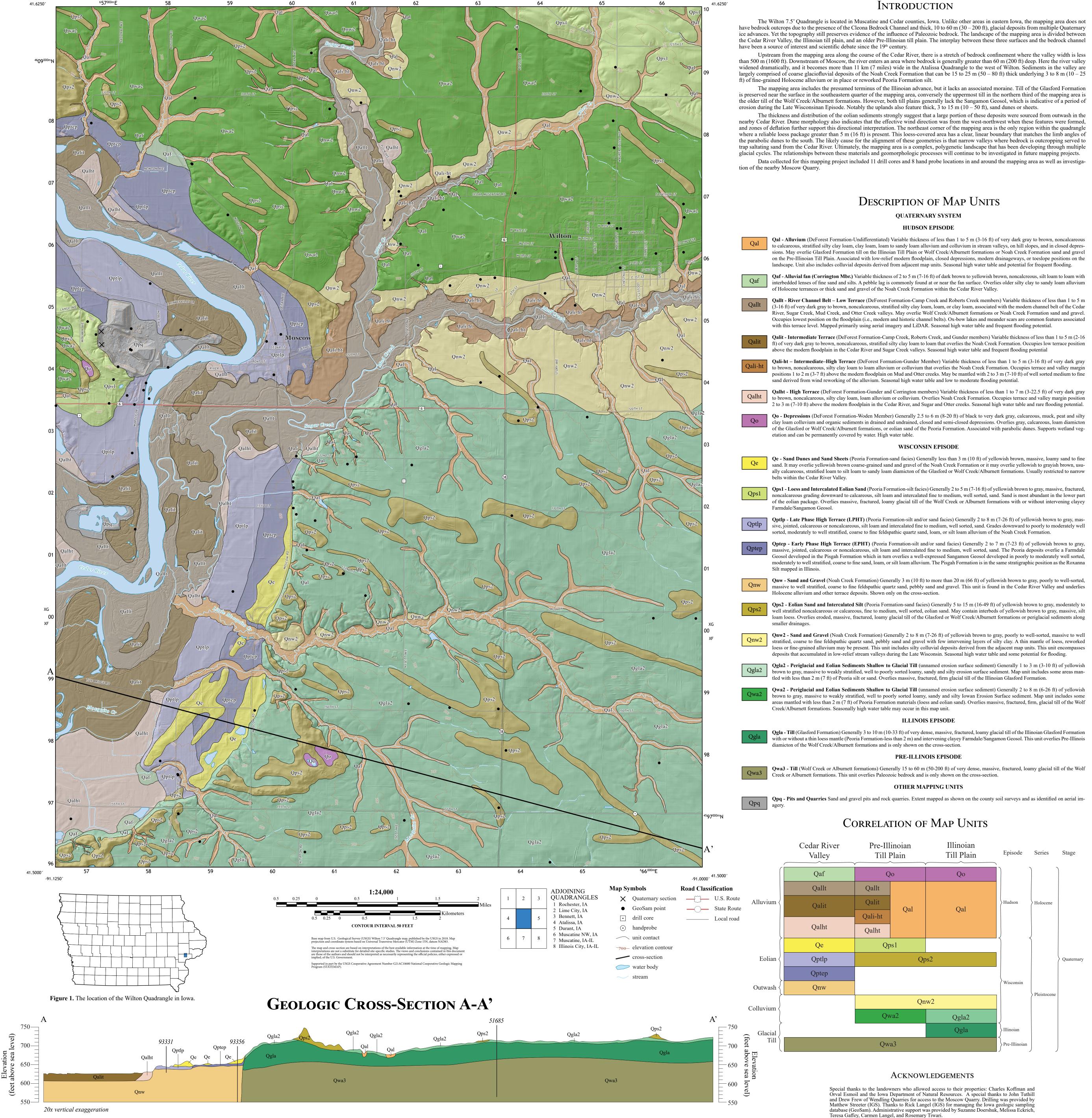
INTRODUCTION

tion of the nearby Moscow Quarry.

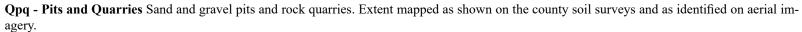
landscape. Unit also includes colluvial deposits derived from adjacent map units. Seasonal high water table and potential for frequent flooding.

interbedded lenses of fine sand and silts. A pebble lag is commonly found at or near the fan surface. Overlies older silty clay to sandy loam alluvium

(3-16 ft) of very dark gray to brown, noncalcareous, stratified silty clay loam, loam, or clay loam, associated with the modern channel belt of the Cedar River, Sugar Creek, Mud Creek, and Otter Creek valleys. May overlie Wolf Creek/Alburnett formations or Noah Creek Formation sand and gravel Occupies lowest position on the floodplain (i.e., modern and historic channel belts). Ox-bow lakes and meander scars are common features associated with this terrace level. Mapped primarily using aerial imagery and LiDAR. Seasonal high water table and frequent flooding potential.



| ft) of very dark gray to brown, noncalcareous, stratified silty clay loam to loam that overlies the Noah Creek Formation. Occupies low terrace position above the modern floodplain in the Cedar River and Sugar Creek valleys. Seasonal high water table and frequent flooding potential |
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| Oali-ht – Intermediate–High Terrace (DeForest Formation-Gunder Member) Variable thickness of less than 1 to 5 m (3-16 ft) of very dark grav |



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