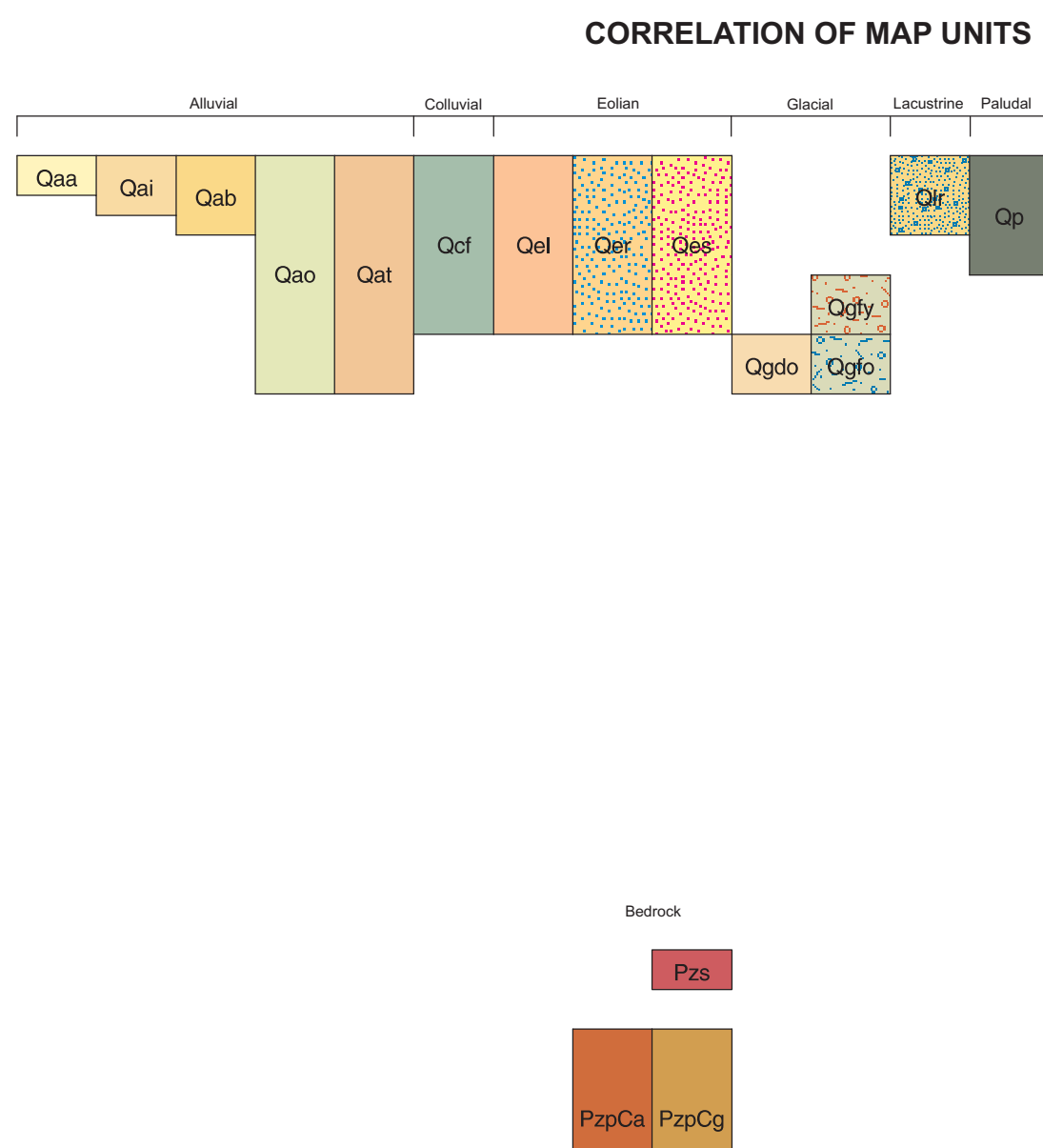


Locality	Laboratory number	Material dated and stratigraphic context	Chronological significance	Radiocarbon age (1 $\sigma$ , yr B.P.)	Calibrated mean age and 1 $\sigma$ range <sup>a</sup> (cal. yr B.P.)	Source
A	GX-0255	Wood charcoal from depth of 4 ft near base of surface loess and above tan, cross-bedded colluvial sand	Maximum age for initiation of loess deposition on this terrace. Minimum age for deposition of underlying colluvial sand	8,040 $\pm$ 190	9,200 9,260–8,800	Pewé and Reger (1983a, p. 40)
B	GX-4293	Wood charcoal from top of 2.5-inch-thick pinkish paleosol at the top of the lower yellowish fluvial silt 8 inches above contact with underlying sand and gravel; overlain by 6 ft of yellowish fluvial silt	Dates pinkish paleosol; provides minimum age for deposition of lower fluvial silt and maximum age for deposition of the upper fluvial silt	8,125 $\pm$ 260	9,030 9,470–8,610	This study
C	GX-4292	Wood charcoal from pinkish paleosol at top of lower yellowish fluvial silt 12 inches above contact with underlying sand and gravel; overlain by 6 ft of yellowish fluvial silt	Dates pinkish paleosol; provides minimum age for deposition of lower fluvial silt and maximum age for deposition of the upper fluvial silt	8,150 $\pm$ 255	9,080, 9,060, 9,050, 9,030 9,470–8,640	This study



## by

Richard D. Reger<sup>1</sup> and Troy L. Péwé<sup>2</sup>


2002


## Affiliations

<sup>2</sup> Deceased November 21, 1999. Formerly Professor Emeritus, Department of Geology, Arizona State University, Tempe, Arizona 85287-1404

This DGGIS Report of Investigations is a final report of scientific research. It has received technical review and may be cited as an agency publication.

The State of Alaska makes no express or implied warranties (including warranties for merchantability and fitness) with respect to the character, functions, or capabilities of the electronic services or products or their appropriateness for another user's purposes. In no event will the State of Alaska be liable for any incidental, indirect, special, consequential, or other damages suffered by the user or any other person or entity whether from use of the electronic services or products, any failure thereof or otherwise, and in no event will the State of Alaska's liability to the Requestor or anyone else exceed the fee paid for the electronic service or product.

 Florence Weber. Florence worked with Troy even longer than I and approached her profession with a questioning attitude that encouraged others to work harder. Although I examined many bedrock outcrops close to the Richardson Highway and Troy tramped along ridge crests away from the roads, Florence is the expert on the bedrock geology of the Big Delta A-4 Quadrangle, and I have extensively used her maps (as cited) to label bedrock outcrops that I identified on aerial photographs.



Rod Combellick (DGGS) provided the incentive and means for me to complete this map for publication 24 years after my fieldwork was completed, and multi-talented Alfred G. Sturmann (DGGS) rendered this map through the digitizing and layout processes to final publication. Able assistance in the field was provided by Jeffrey T. Kline (DGGS), who passed away much too soon.

Also, I want to gratefully acknowledge the encouragement and indispensable assistance provided by Michael

Many thanks for helpful comments by Florence Weber and Rod Combellick during their excellent reviews of this paper. Rod also kindly provided the colorized redimension seen in table 1.

this map, Rod 390 kindly provided the calibrated radiocarbon ages in table 1.

---