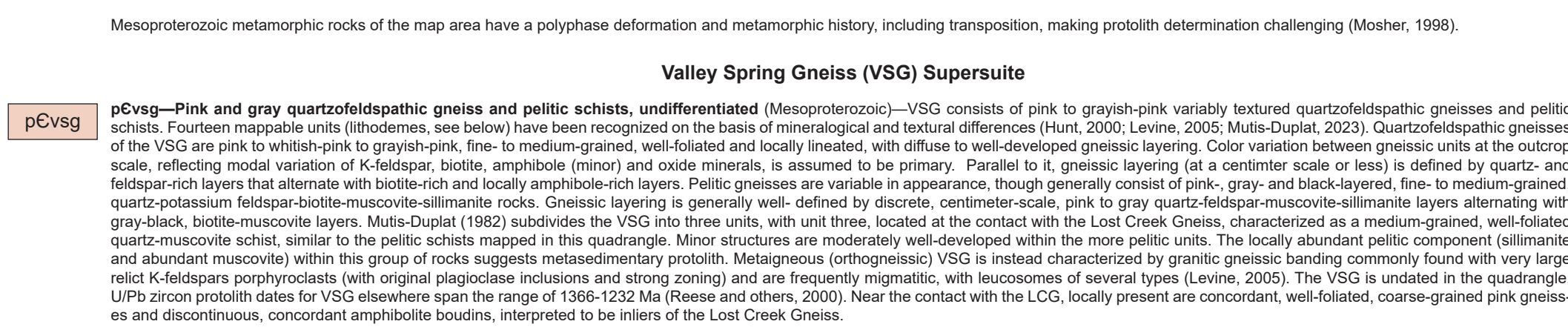
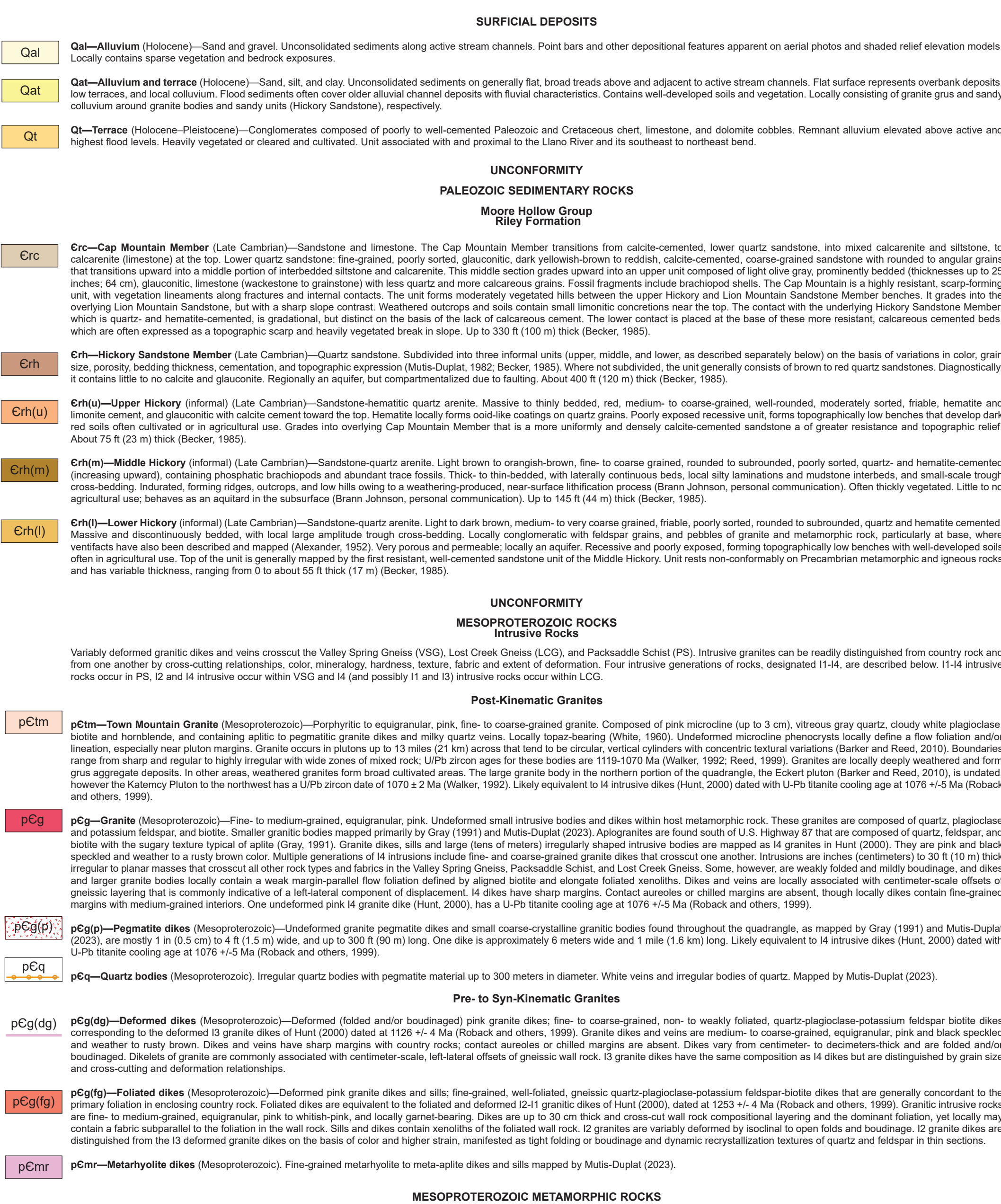
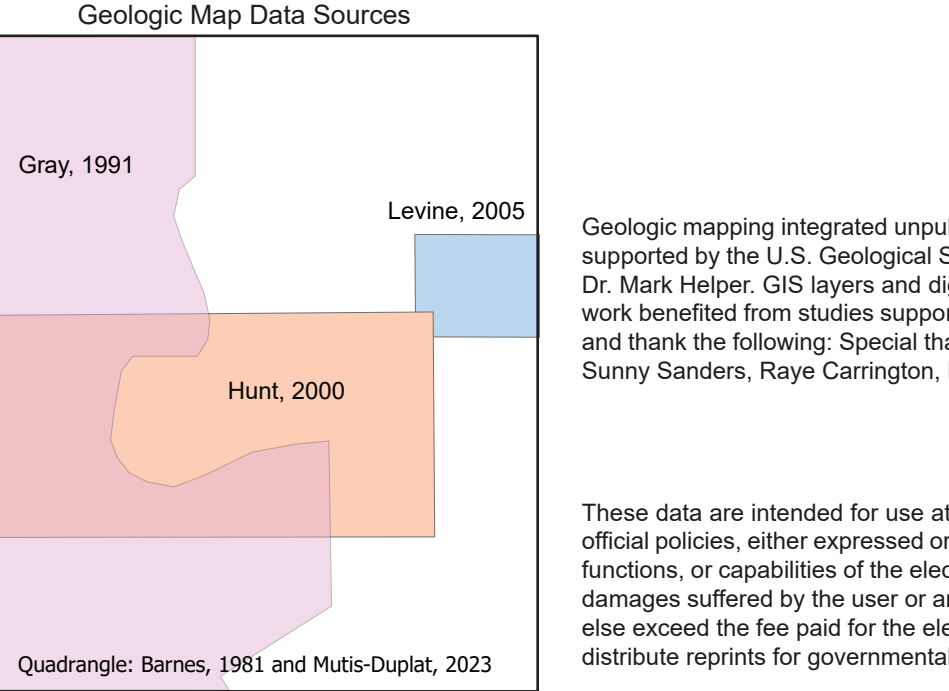


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Alexander, W. L., 1962, *Geology of the South Margin Area, Texas*. Texas A&M University, M-sthesis.

Baker, D. S., and Reed, R. M., 2010, Proterozoic Granites in the Llano Uplift, Texas: A Collision-Related Suite Containing Rapakivi and Topaz Granites. *Geological Society of America Bulletin*, v. 122, p. 253–264.

Barnes, V. E., and Bell, W. C., 1977, The Moon-Hollow Group of Central Texas. *Bureau of Economic Geology, Bureau of Economic Geology Report of Investigations No. 88*, 196 p., 18 pl.

Becker, J. E., 1981, *Llano sheet*. The University of Texas, Austin, Bureau of Economic Geology Geologic Atlas of Texas, scale 1:250,000, 1 map, 15 text.

Becker, J. E., 1983, Structural analysis of the western Llano uplift with emphasis on the Mason fault. *Texas A&M University, M-sthesis*.

Droddy, M. J. Jr., 1978, *Geologic map of the Fly Gusher and Indadigloo Mountains, Texas*. The University of Texas at Austin, U.S.D. Dissertation, 179 p.

Ewing, T. W., 1916, *Texas Through Time*. Lone Star Geologic, Landscapes, and Resources: The University of Texas at Austin, Bureau of Economic Geology Under Series No. 6, 431 p.

Gray, W. M., 1961, *Geology of the western portion of the Atlat Quadrangle, Mason County, Texas*. University of Texas Permian Basin, M-sthesis.

Hunt, B. B., 2000, *Geologic map of the Llano Uplift, Mason County, Central Texas*. The University of Texas at Austin, M-sthesis, 138 p.

Levine, J. S., 2006, Structural analysis and detrital zircon provenance in the western Llano Uplift: implications for a southern collision. The University of Texas at Austin, M-sthesis, 137 p.

Mooher, S. B., 1989, Tectonic Evolution of the Southern Laurentian Grenville orogenic belt: Geological Society of America Bulletin, v. 101, p. 1357–1375.

Muñoz-Delgado, E., 1982, *Geology of the Parly Hill Quadrangle, Texas and Austin, Texas*. Bureau of Economic Geology, Bureau of Economic Geology Quad Map No. 52, map scale 1:24,000.

Muñoz-Delgado, E., 2023, Dr. Emilio Muñoz-Delgado. Unpublished Geologic Map Collection, Mason County, Central Texas. <https://doi.org/10.18387/2038/04GHX4>, Texas Data Repository.

Reed, R. M., 1999, Emplacement and deformation of late syn-orogenic, Grenville-age granites in the Llano Uplift, Central Texas. The University of Texas at Austin, Ph.D. dissertation, 272 p.

Reese, J. F., Mooher, S. B., and Roberts, R., 2000, Mesoproterozoic tectonic evolution of the southern Llano Uplift, Texas: An exhumation model. *Geology*, v. 28, p. 278–291.

Roback, R. R., 1996, Characterization and tectonic evolution of a Mesoproterozoic island arc in the southern Grenville orogen, Llano uplift, Texas. *Tectonophysics*, v. 265, no. 1–2, p. 29–52.

Roback, R. R., Hunt, B. B., and Helgeson, M. A., 1999, Mesoproterozoic tectonic evolution of the western Llano Uplift, Central Texas; the story in an outcrop. *Rioy Mountain Geology*, 34(2), p. 275–287.

U.S. Geological Survey Cooperative Geologic Mapping Program, 2020, *GeIS (Geologic Map Schema)—a standard format for the digital publication of geologic maps*. U.S. Geological Survey Techniques and Methods, book 11, chap. B10, 74 p. <https://doi.org/10.3133/tm11b10>.

Walker, N. R., 1962, Proterozoic geologic evolution of the Llano uplift, Texas: Evidence from U-Pb zircon geochronometry. *Geological Society of America Bulletin*, v. 104, p. 494–504.

