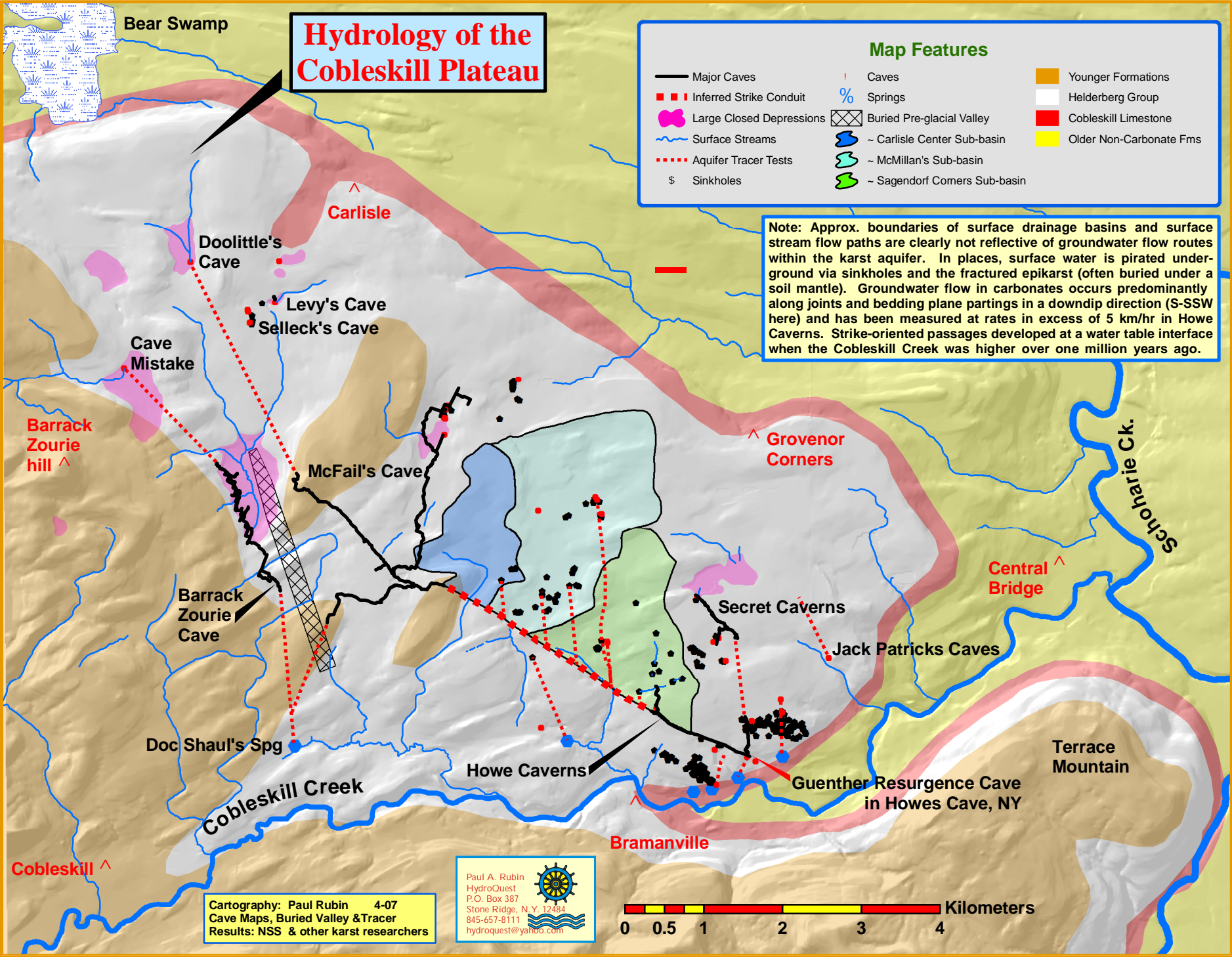


# Hydrology of the Cobleskill Plateau

### Map Features

— Major Caves	! Caves	■ Younger Formations
■ Inferred Strike Conduit	% Springs	□ Helderberg Group
● Large Closed Depressions	⊠ Buried Pre-glacial Valley	■ Cobleskill Limestone
~ Surface Streams	~ Carlisle Center Sub-basin	■ Older Non-Carbonate Fms
... Aquifer Tracer Tests	~ McMillan's Sub-basin	
§ Sinkholes	~ Sagendorf Corners Sub-basin	

**Note:** Approx. boundaries of surface drainage basins and surface stream flow paths are clearly not reflective of groundwater flow routes within the karst aquifer. In places, surface water is pirated underground via sinkholes and the fractured epikarst (often buried under a soil mantle). Groundwater flow in carbonates occurs predominantly along joints and bedding plane partings in a downdip direction (S-SSW here) and has been measured at rates in excess of 5 km/hr in Howe Caverns. Strike-oriented passages developed at a water table interface when the Cobleskill Creek was higher over one million years ago.



Cartography: Paul Rubin 4-07  
 Cave Maps, Buried Valley & Tracer  
 Results: NSS & other karst researchers

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