

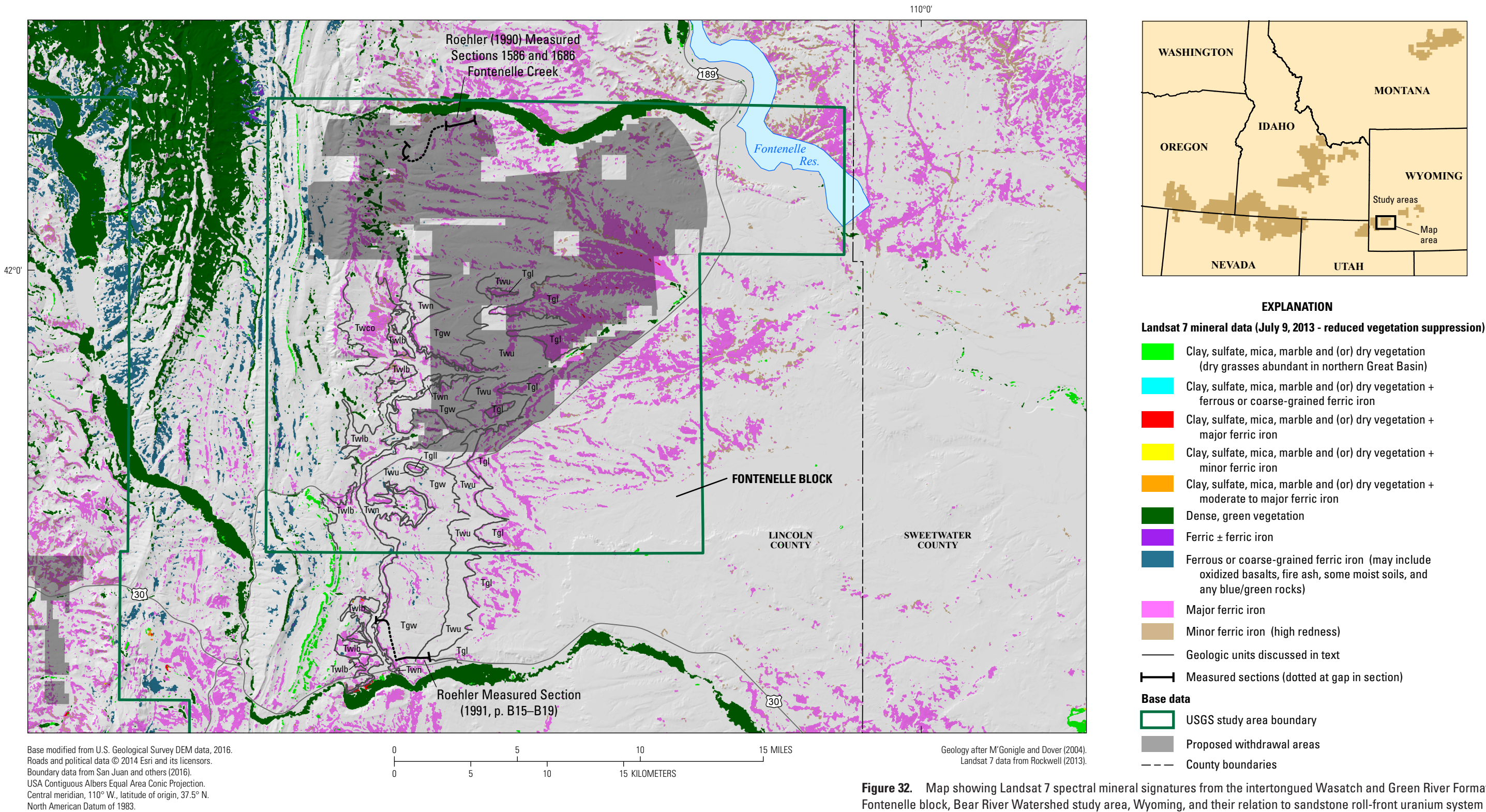


Figure 32. Map showing Landsat 7 spectral mineral signatures from the intertongued Wasatch and Green River Formations in the Fontenelle block, Bear River Watershed study area, Wyoming, and their relation to sandstone roll-front uranium system alteration. Formation contacts are from M'Gonigle and Dover (2004). Correlations of their units with those of Roehler (1991) are as follows from the base of the Wasatch Formation on the west: Twco—Wasatch Formation basal conglomerate; Twlb—La Barge Member of the Wasatch Formation, which is equivalent to Roehler's main body of the Wasatch; Twn—New Fork Tongue of the Wasatch Formation, which is equivalent to, in ascending stratigraphic order, Schegg's bed of the Green River Formation of Roehler (1991), Farson Sandstone Member of the Green River Formation, and Alkali Creek Tongue of the Wasatch Formation; Tgw—Wilkins Peak Member of the Green River Formation; Twu—upper Wasatch Formation, which is equivalent to Cathedral Bluffs Member of the Wasatch; Tgl—Laney Member of the Green River Formation.