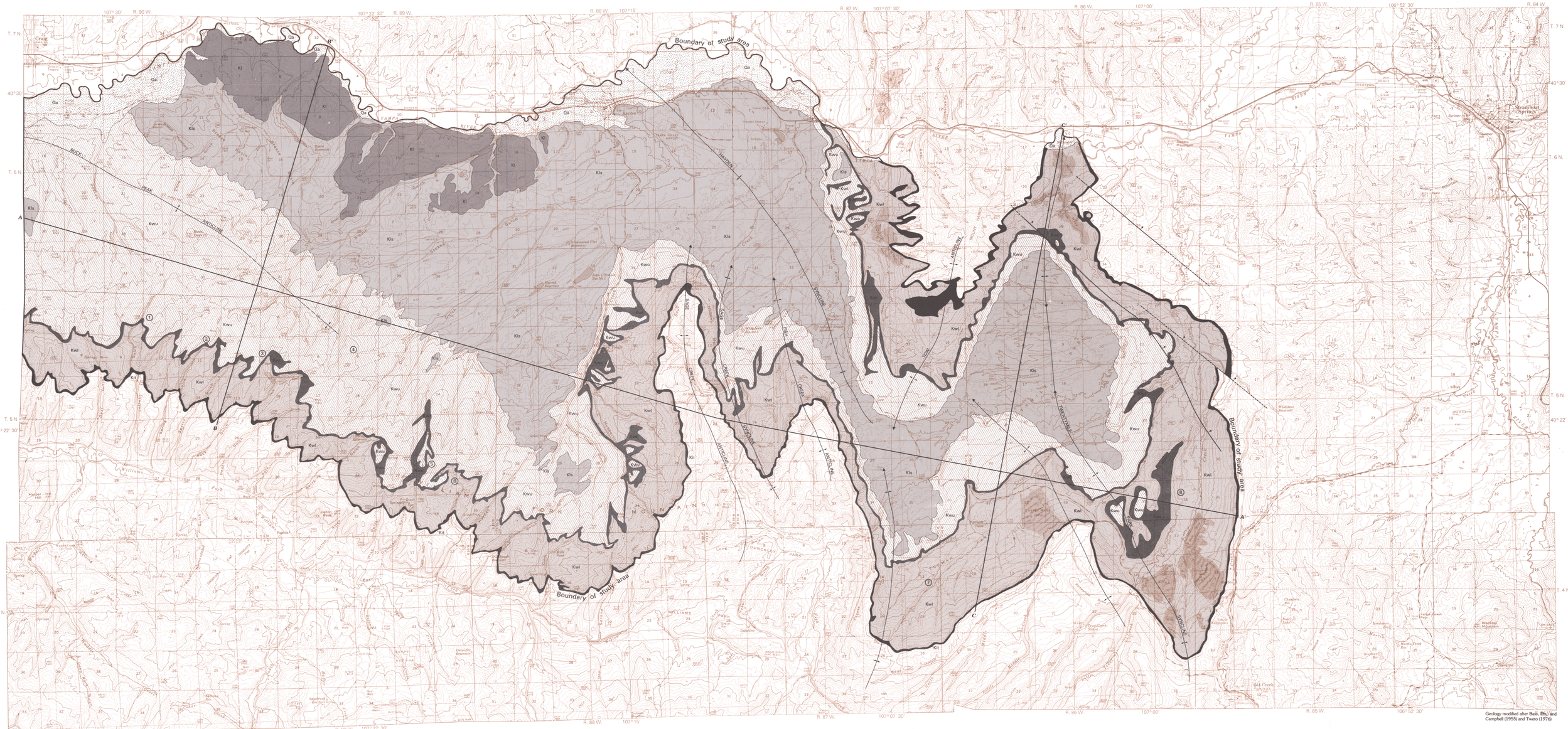
Prepared in cooperation with the
COLORADO DEPARTMENT OF NATURAL RESOURCES,
MINED LAND RECLAMATION DIVISION,
the
U.S. OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT,
and the
U.S. BUREAU OF LAND MANAGEMENT



Base from U.S. Geological Survey
Moffat and Routt 1:50 000, 1975

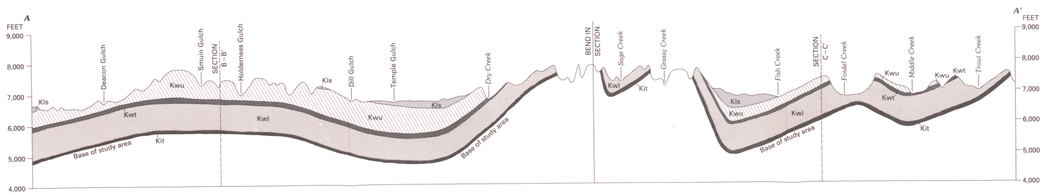
Geology modified after Bass, Eby, and Campbell (1955) and Tweto (1976)

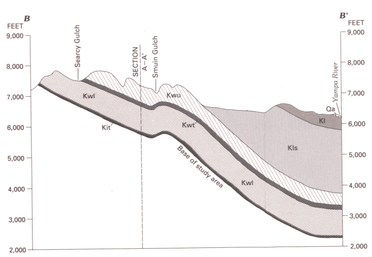
SCALE 1:62 500

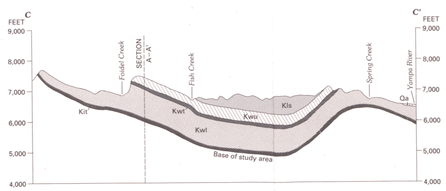
1 ½ 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929







0 1 2 3 MILES
0 1 2 3 KILOMETERS

VERTICAL EXAGGERATION X 5
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

SYSTEM	SERIES	GEOLOGIC UNIT		MAP SYMBOL	LITHOLOGY
QUATERNARY	Holocene	Alluvium		Qa	Unconsolidated gravel, sand, silt, and clay in stream valleys
	Pleistocene				
CRETACEOUS	Upper Cretaceous	Lance Formation		Ki	Gray shale, light-brown sandstone, and a few coal beds
		Lewis Shale		Kls	Dark-gray homogeneous marine shale
		Mesaverde Group	Williams Fork Formation	Kw	Kwu: Upper member—Dark-gray mudstone, siltstone, shale, and interbedded sandstone and coal
					Kwt: Twentymile Sandstone Member—Light-gray to white, fine-grained, well-sorted sandstone
					Kwl: Middle and lower members undivided—Dark-gray marine shale and freshwater mudstone, siltstone, sandstone and coal
			Iles Formation	Ki	Kit: Trout Creek Sandstone Member—Light-gray to white, fine-grained, well-sorted sandstone
					Kil: Lower member—Dark-gray shale and sandy shale, with interbedded sandstone and coal (not shown on plate)

② LOCATION OF COMPOSITE STRATIGRAPHIC COLUMN (See Figure 9)

CONTACT

FAULT—Dashed where concealed. Bar and ball on downthrown side

CREST OF ANTICLINE—Dashed where approximately located. Arrow indicates direction of plunge

TROUGH OF SYNCLINE—Arrow indicates direction of plunge

A——A' TRACE OF STRATIGRAPHIC SECTION

MAP SHOWING GEOLOGY AND GENERALIZED STRATIGRAPHIC SECTIONS IN NORTHWESTERN COLORADO