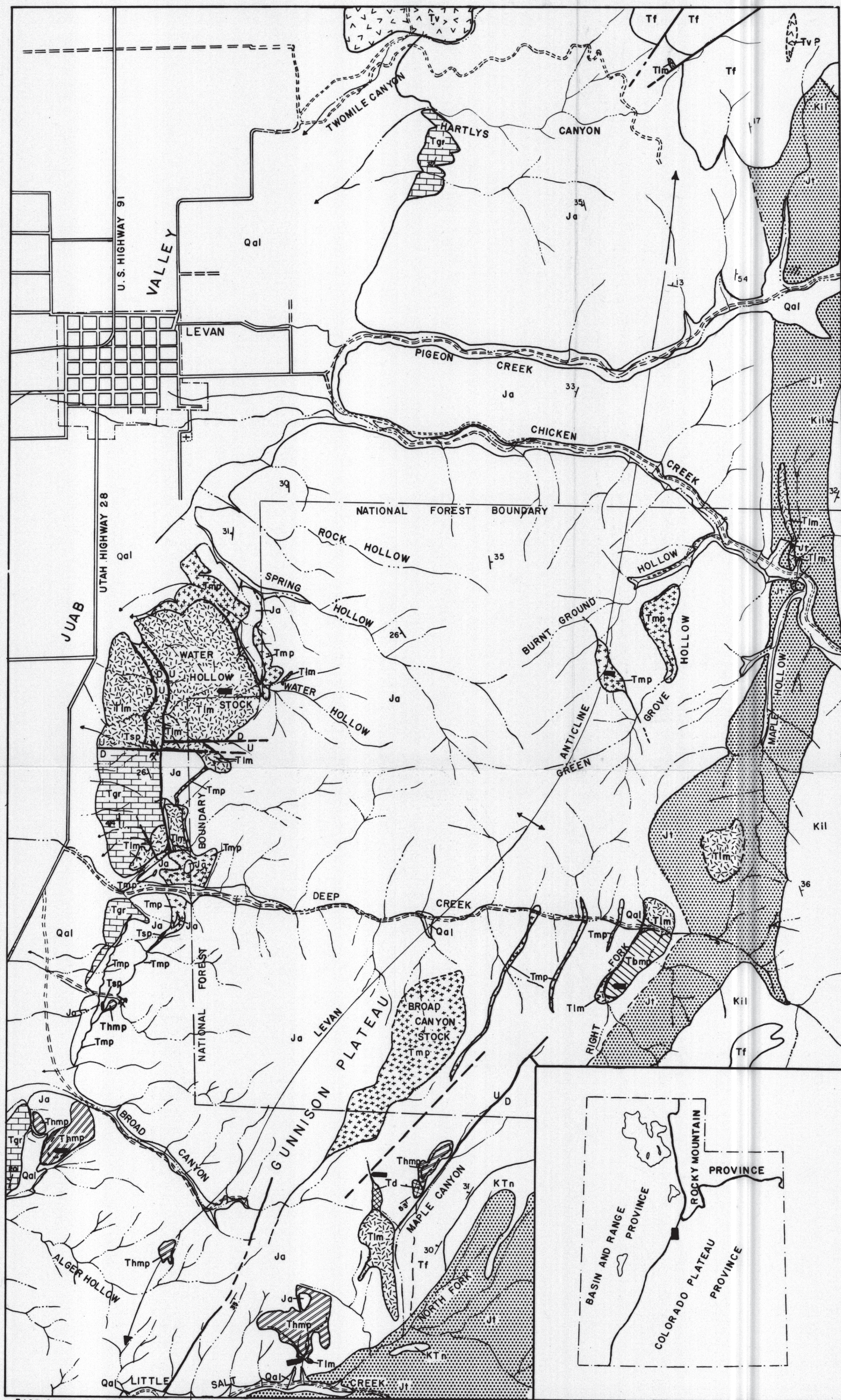




BASE COMPILED FROM USGS and SOIL CONSERVATION SERVICE MAPS,
GEOLOGY ADAPTED FROM ZELLER (1949) and HUNT (1950).

SCALE IN MILES

PLATE I.— GEOLOGIC MAP OF THE LEVAN AREA, UTAH
BY

EDWARD C. JOHN

EXPLANATION
SEDIMENTARY ROCKS

RECENT	Qal	ALLUVIUM	QUATERNARY
Eocene	Tgr	GREEN RIVER FORMATION	TERTIARY
PALEOCENE	Tf	FLAGSTAFF LIMESTONE	
UPPER	Ktn	NORTH HORN FORMATION	CRETACEOUS
LOWER	Kil	INDIANOLA GROUP	
UPPER	Jl	ARAPIEN SHALE TWIST GULCH MEMBER	JURASSIC
	Ja	ARAPIEN SHALE TWELVEMILE CANYON MEMBER	

IGNEOUS ROCKS

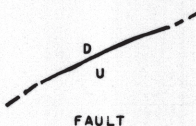
INTRUSIVE

UPPER OR POST-Eocene	Tsp	SYENODIORITE PORPHYRY	TERTIARY
	Tlm	PORPHYRITIC LEUCOMONZONITE	
	Thmp	HORNBLende MONZONITE PORPHYRY	
	Tbmp	BIOTITE AUGITE MONZONITE PORPHYRY	
	Tmp	MONZONITE PORPHYRY	
	Td	DIABASE	

EXTRUSIVE

MIocene (?)	Tv	VOLCANICS	TERTIARY
	Tvp	PROBABLE VOLCANICS	

GEOLOGIC CONTACT
DASHED WERE CONCEALED



FAULT

D = DOWNTHROWN

ANTICLINAL AXIS

SAMPLES CHEMICALLY ANALYZED