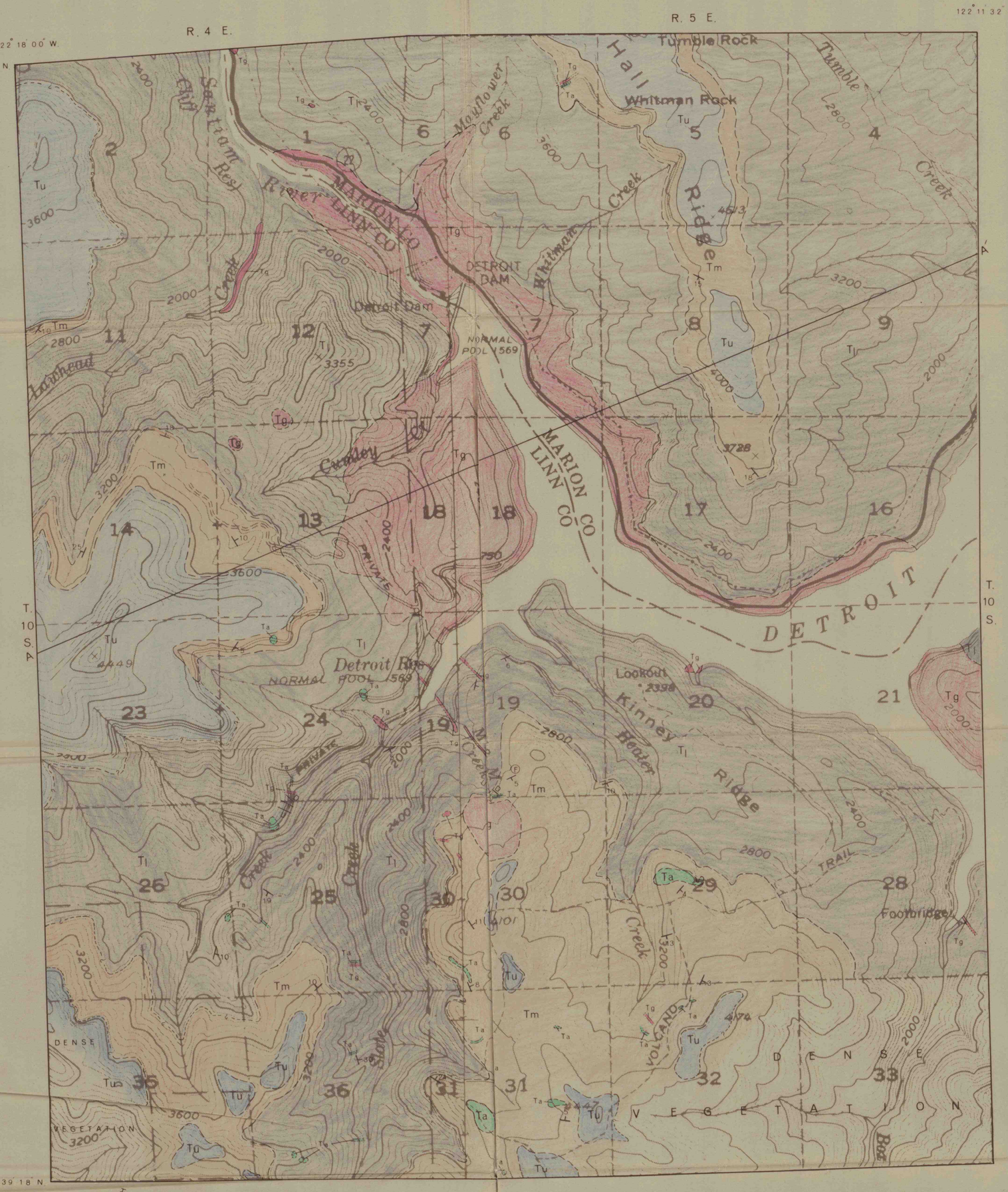
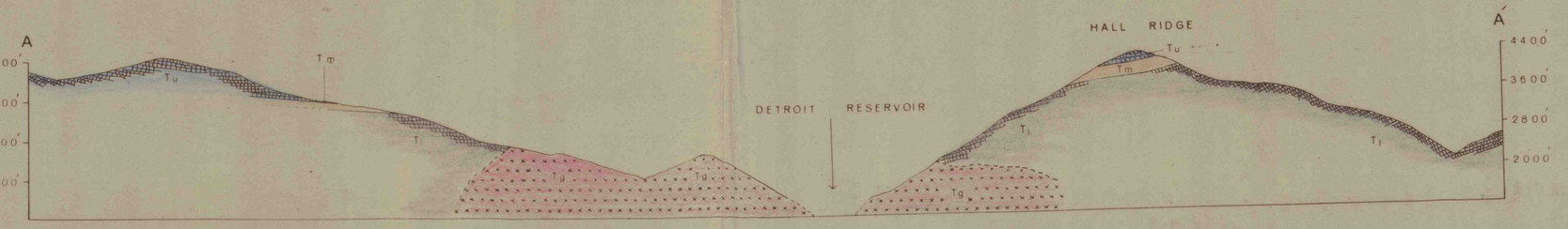
GEOLOGIC MAP AND SECTION OF THE WESTERN DETROIT RESERVOIR AREA, QUARTZVILLE AND DETROIT QUADRANGLES, LINN AND MARION COUNTIES, OREGON





TRUE NORTH
MAGNETIC NORTH
20°
Approximate mean declination 1964

SCALE 1:24000
1 MILE
1 KILOMETER

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

Base from enlargement of a portion of U.S. Geological Survey 1:62500 series quadrangles: Quartzville, Detroit, 1956

EXPLANATION

INTRUSIVE ROCKS

TERTIARY, LATE MIOCENE	T_g	GRANODIORITE	Leucocratic to mesocratic, fine- to medium-grained porphyritic; minor equigranular; locally contains inclusions of andesite; stocks and dikes, possibly older than Upper Member
TERTIARY, MIDDLE TO LATE MIOCENE	T_a	ANDESITE	Mainly augite, minor hypersthene, and rarely hornblende andesite; gray of varied tints; usually porphyritic; sills and dikes; possibly older than Upper Member

VOLCANIC AND SEDIMENTARY ROCKS

TERTIARY, MIDDLE TO LATE MIOCENE	T_u	UPPER MEMBER	Hypersthene, augite andesite flows; greenish gray to dark gray; mainly fine-grained; rarely aphanitic; usually platy
TERTIARY, MIDDLE TO LATE MIOCENE	T_m	MIDDLE MEMBER	Volcanic sedimentary rocks: mainly breccias; minor conglomerates, sandstones, siltstones, and mudstones
TERTIARY, MIDDLE TO LATE MIOCENE	T_l	LOWER MEMBER	Mainly andesite flows, tuffs, and tuff-breccias; locally volcanic sedimentary breccias, sandstones, siltstones, and mudstones Andesite: dark gray to light bluish gray, fine-grained to porphyritic Tuff and tuff-breccia: commonly yellowish green and grayish orange

SYMBOLS

----?----	Contact, long dashed where approximately located; short dashed where position is uncertain; queried where existence is uncertain
U/D	Normal fault: U, upthrown side; D, downthrown side
10	Strike and dip of beds
F	Fossil locality

GEOLOGY BY
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1969