EXPLANATION

QUATERNARY

- Qau — Undifferentiated alluvium
- Qb — Basalt
- Qag — Alluvium and colluvium

TERTIARY

- Tip — Intrusive porphyritic rocks
- Tvu — Volcanic rocks, undifferentiated
- Tmc — Muddy Creek Formation
- Tw — Wasatch Formation
- Tvc — Volcanic rocks and Claron Limestone
- Tcl — Claron Limestone
- Kka — Kaiparowits Formation
- Kwa — Wahweap Sandstone
- Kst — Straight Cliffs Sandstone
- Ktr — Tropic Shale
- Ktd — Tropic and Dakota Formations
- Kwso — Wahweap and Straight Cliffs Sandstones and other Cretaceous rocks
- Kws — Wahweap and Straight Cliffs Sandstones
- Ku — Cretaceous rocks, undivided
- J'Rcn — Carmel and Navajo Formations
- Jcw, Jc — Carmel Formation, Jcw, *Winsor Member*
- J'Rna — Navajo Sandstone
- Ju — Jurassic rocks, undivided
- Ts — Shinarump Conglomerate
- Tcm — Chinle and Moenkopi Formations
- Tm — Moenkopi Formation
- Pka — Kaibab Limestone
- PPcc — Coconino and Callville Formations
- Pco — Coconino Sandstone
- PPc — Callville Limestone
- Mr — Redwall Limestone
- DCun — Devonian and Cambrian rocks, undivided
- p€cr — Undifferentiated crystalline rocks

TERTIARY (?); CRETACEOUS; TRIASSIC (?) AND JURASSIC; TRIASSIC; PERMIAN; PENNSYLVANIAN AND PERMIAN; JURASSIC; MISSISSIPPIAN; CAMBRIAN AND DEVONIAN; PRECAMBRIAN

Contact

Woods and brushwood

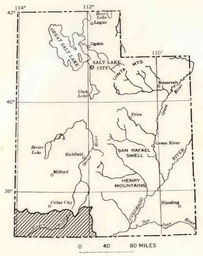
Agricultural land, native grass, desert vegetation, or unvegetated

Areas generalized from base map sources

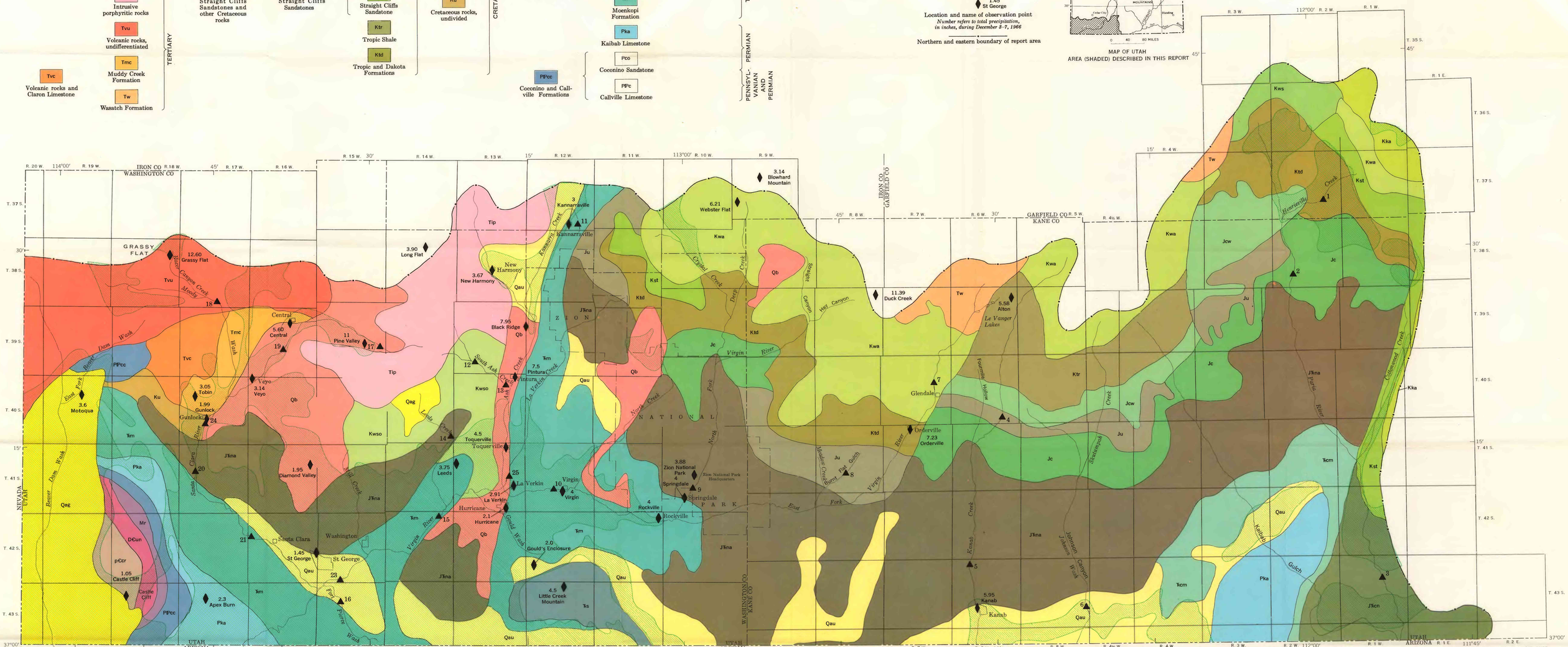
▲7 Stream-gaging and water-quality sampling site
Number corresponds with that in tables 3, 4, and 6

♦ 1.45 St George
Location and name of observation point
Number refers to total precipitation, in inches, during December 3-7, 1966

Northern and eastern boundary of report area



MAP OF UTAH
AREA (SHADED) DESCRIBED IN THIS REPORT


IRON CO
WASHINGTON CO
GARFIELD CO
KANE CO
NEVADA
UTAH
ARIZONA
ZION NATIONAL PARK
GRASSY FLAT
12.60 Grassy Flat
3.90 Long Flat
3.67 New Harmony
3 Kannarraville
3.14 Blowhard Mountain
6.21 Webster Flat
11.39 Duck Creek
5.58 Alton
Le Vanger Lakes
3.6 Motoqua
3.05 Tobin
1.99 Gunlock
5.60 Central
3.14 Veyo
11 Pine Valley
7.95 Black Ridge
7.5 Pintura
4.5 Toquerville
1.95 Diamond Valley
3.75 Leeds
2.91 La Verkin
2.1 Hurricane
2.0 Gould's Enclosure
4.5 Little Creek Mountain
3.88 Zion National Park
4 Springdale
4 Virgin
4 Rockville
Zion National Park Headquarters
Glendale
Orderville
7.23 Orderville
5.95 Kanab
1.45 St George
1.05 Castle Cliff
2.3 Apex Burn
Santa Clara
Washington
St George
Hurricane
Virgin
Rockville
Springdale
Kanab
Littlefield
Castle Cliff
Tip
Tvu
Tmc
Tw
Tvc
PPcc
Ku
Kwso
Kws
Kwa
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Qb
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DCun
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