Base from U.S. Geological Survey, 1957
(revised 1969)

Compiled in 1982; geology from John (1983).

APPROXIMATE MEAN
DECLINATION, 1986

SCALE 1:250 000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

EXPLANATION

Each specimen is identified in table 2 (see pamphlet) by its number and the letter for the quadrangle in which it occurs.

A LETTER DESIGNATION FOR 15-MINUTE QUADRANGLE

o3 LOCATION OF SPECIMEN WITHIN 15-MINUTE QUADRANGLE

DISTRIBUTION OF MESOZOIC PLUTONS

Numbers refer to John (1983). See tables 1 and 2 in pamphlet for details.

1 Granodiorite of East Peak
2 Granodiorite of Daggett Pass
3 Quartz diorite west of Daggett Pass
4 Granodiorite of Kingsbury Grade
5 Bryan Meadow Granodiorite
6 Granodiorite of Freel Peak
7 Quartz diorite of Jobs Canyon
8 Echo Lake Granodiorite
9 Quartz diorite of Grass Lake
10 Granodiorite of Waterhouse Peak
11 Burnside Lake Adamellite
12 Tonalite of Waterhouse Peak
13 Granite of Woodfords
14 Quartz monzodiorite of Dresslerville
15 Granodiorite of Millberry Canyon
16 Granodiorite of Buck Creek
17 Ebbetts Pass Granodiorite
18 Carson Pass Tonalite
19 Granodiorite of Faith Valley
20 Granodiorite of Charity Valley
21 Granodiorite of Thorburg Canyon
22 Granodiorite of Kinney Lakes
23 Tamarack Leuco-adamellite
24 Meadow Lake Tonalite
25 Granodiorite of Deadwood Lake
26 Granodiorite west of The Elbow
27 Stanislaus Meadow Adamellite
28 Lookout Peak Tonalite
29 Granodiorite
30 Granodiorite of Lake Alpine
31 Granodiorite of Topaz Lake
32 China Garden pluton
33 Granodiorite of Summers Flat
34 Tonalite west of Donnells Reservoir
35 Granodiorite of Poopenaut Valley
36 Granodiorite of Cottonwood Creek
37 Granodiorite of Boundary Lake
38 Granodiorite of Lake Verdon
39 Quartz monzonite of Inferno Lakes
40 Complex of Mahan Peak
41 Granodiorite of Bearup Lake
42 Quartz diorite of Mount Gibson
43 Quartz monzonite of Arnoldi Lake
44 Granodiorite of Tilden Lake
45 Granodiorite of Piute Mountain
46 Alaskite of Ten Lakes
47 Granite of Upper Twin Lake
48 Alaskite of Grace Meadow
49 Granite of Bond Pass
50 Granodiorite of Lake Harriet
51 Aplite and alaskite
52 Cathedral Peak Granodiorite
53 Granodiorite of Long Canyon
54 Granodiorite of White Mountain
55 Granodiorite of Buckeye Creek
56 Granodiorite of Eagle Creek
57 Granodiorite of Log Cabin Creek
58 Granodiorite of Green Creek
59 Granodiorite of Wheeler Crest
60 Quartz monzonite of Mono Lake
61 Granodiorite of Mono Dome
62 Granodiorite of Soldier Lake
63 Granite of Dorothy Lake
64 Granitic rocks of Rattlesnake Gulch
65 Quartz monzonite of Sinnamon Meadow
66 Hornblende diorite of Sinnamon Meadow
67 Granite of Devils Gate-Mack Canyon-Murphy Creek, undivided
68 Swauger Creek mafic complex
69 Granite of East Fork
70 Granite of Green Creek
71 Granite of Sonora Bridge
72 Granite of Mill Creek
73 West Walker pluton
74 Granite of Desert Creek
75 Granite of Rock Creek
76 Middle Sister pluton
77 Porphyritic granite of Taylor Valley
78 Microtrondhjemite
79 Quartz monzonite of Mt. Siegel
80 Granodiorite of Bullionville
81 Longfellow quartz monzonite
82 Quartz monzonite of South Camp
83 Hickey granite
84 Granophyric quartz monzonite
85-88 Yerington batholith
85 1. equigranular granodiorite
86 2. equigranular quartz monzonite
87 3. porphyritic quartz monzonite
88 4. quartz monzonite porphyry dikes
89 porphyritic granodiorite
90 Biotite quartz monzonite of Strosnider Ranch
91 Quartz monzonite of Gray Hills
92 Wedertz Spring pluton
93 Granodiorite of Lobdell Summit
94 Ivy Ranch pluton
95 Porphyritic granodiorite of Nye Canyon
96 Porphyritic quartz monzonite of Masonic District
97 Biotite granite
98 Granodiorite porphyry
99 Biotite granite porphyry
100 Bald Mountain pluton
101 Mafic-rich phase of Bald Mountain pluton
102 Porphyritic phase of Bald Mountain pluton
103 Hornblende quartz diorite
104 Biotite quartz monzonite
105 Granite of Walker Lake
106 Granitic rocks of Butler Mountain
107 Granitic rocks of Cottonwood Creek
108 Leucocratic granitic rocks of Cottonwood Creek
109 Granodiorite of Cat Canyon
110 Granodiorite of Chipmunk Spring
111 Hornblende granodiorite
112 Granitic rocks of Rabbitt
113 Granite of Cory Creek
114 Granite of Baldwin Canyon
115 Granodiorite of Alum Creek
116 Granodiorite
117 Hornblende biotite granodiorite
118 Granite of Powell Mountain
119 Granite of Whiskey Flat
120 Granodiorite of Huntoon Valley
121 Granite of Silver Moon
122 Quartz porphyry
123 Granodiorite porphyry
124 quartz-eye granite porphyry
125 Hornblende granodiorite
126 Granodiorite
127 Quartz monzonite porphyry
128 Biotite quartz monzonite
129 Diorite of Silver Dyke Canyon
130 Granite of Red Granite Mine
131 Quartz monzonite of Gillis Canyon
132 Granodiorite of Copper Mountain
133 Granodiorite of Hidden Wash
134 Granodiorite
135 Granodiorite
136 Granodiorite-monzonite porphyry
137 Rapakivi monzonite porphyry
138 Biotite granodiorite
139 Quartz monzonite of the Gillis Range
140 Granite of Thorne
141 Quartz monzonite porphyry of Ryan Canyon
142 Quartz monzonite porphyry
143 Granite
144 Granodiorite
145 Quartz-hornblende monzonite of Todd Mountain
146 Quartz monzonite of Giroux Mountain
147 Quartz-biotite monzonite
148 Quartz monzonite of Garfield Hills
149 Quartz monzonite
150 Undifferentiated granitic rock
151 Granodiorite
152 Granodiorite
153 Igneous complex
154 Granitic rock
155 Granitic rock
156 Granitic rocks
di Diorite, undivided
gb Gabbro, undivided
ap Aplite, undivided

GEOLOGIC EXPLANATION

VOLCANIC, SEDIMENTARY, AND ALLUVIAL DEPOSITS (CENOZOIC)

PLUTONIC ROCKS (MESOZOIC)

SEDIMENTARY AND VOLCANIC ROCKS (MESOZOIC)

—--? CONTACT—Dashed where approximately located; queried where inferred

LOCATIONS OF SPECIMENS ANALYZED FOR Rb, Sr, AND $^{87}Sr/^{86}Sr$

MAPS SHOWING ISOTOPIC DATING IN THE WALKER LAKE 1° BY 2° QUADRANGLE, CALIFORNIA AND NEVADA

By

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1986