



EXPLANATION

INTRUSIVE EQUIVALENTS OF METAVOLCANIC ROCKS

QUATERNARY

Gravel deposits, unsorted (Qg)
Lake deposits (Ql)
Sand and gravel (Qs)

EXTRUSIVE ROCKS

Olivine basalt and its derivatives (Tbo, Ta)
Tuffaceous andesite (Tpa)
Lovejoy Basalt (Tl)

PREVOLCANIC SEDIMENTARY ROCKS

Auriferous stream deposits (Ts)

PLUTONIC ROCKS

Monzonitic (KJmt)
Hornblende-biotite quartz diorite (KJhd)
Pyroxene diorite (KJpd)
Biotite tonalite (KJbt)
Hornblende gabbro (KJgb)

ALTERED AND METAMORPHOSED INTRUSIVE ROCKS

Ultramafic rocks (Jsp)

INTRUSIVE EQUIVALENTS OF METAVOLCANIC ROCKS

Metamorphosed quartz porphyry (mop)
Metatuff (mt)
Metadiorite (mdi)

METAMORPHIC ROCKS

Cedar Formation (Kc)

SOUTHWEST OF MELONES FAULT

Hornblende Band Formation (hb, hba, hbc, hbd, hbe, hbf, hbg, hbh, hbi, hbj, hbk, hbl, hbm, hbn, hbo, hbp, hbr, hbs, hbt, hbv, hbw, hbx, hbz)

NORTHEAST OF MELONES FAULT

Calaveras Formation (ca, caa, cab, cac, cad, cae, caf, cag, cah, cai, caj, cak, cal, cam, can, cao, cap, car, cas, cat, cav, caw, cbx, cbz)

Shoofly Formation (sf, sfa, sfb, sfc, sfd, sfe, sfg, sfh, sfi, sfj, sfk, sfl, sfm, sfn, sfo, sfp, sfr, sfs, sft, sfv, sfw, sfx, sfz)

EXPLANATION

Contact, approximately located (dashed line)
Fault (dotted line)
Anticline (line with outward-curving arrows)
Syncline (line with inward-curving arrows)
Fold axis (line with dots)
Minor fold axis, showing plunge (line with dots and arrow)
Inclined (line with arrow)
Vertical (line with arrow)
Strike and dip of beds (line with arrow and dip symbol)
Inclined (line with arrow)
Vertical (line with arrow)
Strike and dip of foliation (line with arrow and dip symbol)
Bearing and plunge of lineation (line with arrow and dip symbol)
May be combined with bedding or foliation symbols (line with arrow and dip symbol)
Dike, undifferentiated (line with dots)
Sample locality (circle with number)

LOCALITIES OF SPECIMENS MENTIONED IN THE TEXT, BUCKS LAKE QUADRANGLE

No.	Section	Township north	Range east
16	18	24	9
34	27	22	7
62	3	22	7
73	14	22	7
76	24	23	7
85	21	23	8
104	21	23	8
108	28	23	8
111	9	22	7
117	16	22	7
122	4	23	7
125	30	24	8
134	24	24	8
136	31	24	9
142	26	23	8
153	31	24	9
171	16	23	7
172	16	23	7
193	21	24	8
195	24	24	7
198	24	24	8
205	11	22	7
208	12	22	7
209	12	22	7
241	17	22	7
243	8	22	7
289	4	24	8
290	32	25	8
292	2	24	8
293	5	24	7
317	16	23	8
331	31	23	9

No.	Section	Township north	Range east
334	29	23	9
335	29	23	9
343	36	23	8
372	4	22	8
373	31	25	9
384	25	25	7
395	29	25	8
396	5	24	8
397	5	24	8
400	19	24	8
412	14	22	8
414	14	22	8
417	11	22	8
421	17	22	8
420	15	22	8
443	28	24	8
451	12	23	7
461	36	23	7
463	35	23	7
464	35	23	7
465	35	23	7
466	35	23	7
467	35	23	7
474	12	24	7
484	7	22	8
485	7	24	7
510	34	23	7
513	2	22	7
522	29	23	7
532	6	22	7
546	22	23	8
550	20	23	7

No.	Section	Township north	Range east
551	30	23	7
553	18	24	7
584	19	22	8
585	19	22	8
587	20	22	8
598	7	22	9
623	31	22	8
636	34	23	8
639	6	23	9
643	29	23	7
663	21	23	7
666	28	23	7
673	33	24	8
683	8	24	9
694	7	24	9
695	18	24	9
711	18	24	9
721	34	25	7
730	4	23	8
747	24	23	6
783	17	23	7
796	31	23	7
798	30	23	7
799	30	23	7
814	25	23	7
844	18	24	7
846	26	24	7
850	21	22	7
895	30	23	8
1044	16	24	8

Base from U.S. Geological Survey, 1:62,500, Bucks Lake, 1950, and Almanor, 1955. 10,000-foot grids based on California coordinate system, zone 1.

SCALE 1:48,000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

VERTICAL EXAGGERATION X 2

GEOLOGIC MAP OF THE BUCKS LAKE QUADRANGLE AND PART OF THE ALMANOR QUADRANGLE, PLUMAS COUNTY, CALIFORNIA