Figure 5.1B, List of Map Units Southern Buckskin Range, Nevada
J. M. Proffett, July 1988

Tai, Tdi	Tertiary hornblende andesite intrusives and related diorite.
Ts	Singatse Tuff
T_7	White sediments and unwelded tuff
Tw	Weed Heights Member Mickey Pass Tuff
T_4	White poorly welded ignimbrite
Tg	Guild Mine Member Mickey Pass Tuff, Tg_2=upper part, Tg_1=lower part.
Tc	Early Tertiary conglomerate and sedimentary breccia
Tei	Early Tertiary ignimbrite remnants
Jf_4	(SE of Artesia VABM) Porphyry; 5-15% 1 to 4 mm plagioclase phenocrysts. $^1/_2$-4% .5 to 1.5 cm K-feldspar, rare quartz phenocrysts, 2-5% hornblende, 1-3% biotite, grey groundmass.
Jfhh	(SW of Artesia VABM) Porphyry with local flow banding defined by phenocrysts alignment. 7-12% 1 to 5 mm plagioclase, $^1/_2$-2% $^1/_2$ to 3 cm K-feldspar, 1-3% 1 to 4 mm quartz eyes, 3-7% .5 to 1 mm hornblende with some 2-5 mm hornblende, Fe-oxide grains in a grey to green groundmass.
Jff	Strongly flow banded dacite (?) or latite porphyry. Plagioclase phenocrysts (1 to 5 mm) vary from 7-15% to 20-25%. 5-12% 1 to 4 mm hornblende, Fe-oxide grains. Rare to absent quartz, biotite and/or .5 cm K-feldspar phenocrysts. May be different ages in different areas.
Jfh, Jfhi	North Buckskin Range (BK-45: Pb-U zircon age 166.5 ± 0.4 m.y., Dilles & Wright, 1988, from this unit). Massive porphyry, locally with phenocryst alignment. 10-20% 1 to 7 mm plagioclase, 4-7% 1 to 5 mm hornblende, trace to less than 1% 1 to 2 cm K-feldspar, 2 to 5 mm quartz varies from $^1/_4$-1% to 1-3% locally, $<^1/_2$% Fe oxide grains. Locally minor biotite is present. May include more than one unit. Jfhi - Similar to Jfh, but intrusive, surrounded by Ja, etc.
Jf_3	Southeast of Artesia VABM. (Designated Jf "215" or Jf3 SW of Artesia VABM.) Porphyry with weakly aligned phenocrysts. 5-10% 1 to 4 mm plagioclase, 1-4% .7 to 1 cm K-feldspar, less than 1% $^1/_2$ to 2 mm quartz, 1-5% $^1/_2$ to 4 mm hornblende, $<^1/_2$% Fe-oxide grains, rarely includes local biotite.
Jfi	Porphyry dikes in Artesia and older rocks that have mainly plagioclase and hornblende phenocrysts and sparse to absent K-feldspar, quartz and/or biotite in a fine grey groundmass. Generally was mapped as "late" type or "chilled" type Jqmp in main part of Yerington district. Jfi may include some exposures that should have been included in Jqmp.

Jf_2 Massive porphyry with 5-10% 1 to 4 mm plagioclase phenocrysts, very rare large K-feldspar phenocrysts, 1-3% 1 mm biotite phenocrysts, and altered hornblende phenocrysts in a medium grey to purple groundmass with 15-20% very fine specks of leucoxene after mafic minerals.

Jfs Sandstone, conglomerate, sedimentary breccia and siltstone with various types of Fulstone and Artesia fragments. Includes a thin welded tuff breccia SW of Artesia VABM. Occurs at several different horizons. Beds of Jfs at base of Fulstone contain no Fulstone or Jqmp fragments (other than "Jfd" type) and should perhaps be labeled "Jas."

Jf Massive porphyry with 7-30% 1 to 5 mm plagioclase, $^1/_4$-1% .7 to 2 cm K-feldspar, $^1/_2$-3% 1 to 3 mm quartz eyes, 3-7% hornblende, 1-3% biotite books. May be partly intrusive and partly extrusive, and may include units of different age. May be in part related to "Jfm"

Jfq, Jfqx Massive to flow banded porphyry with 10-25% 1 to 5 mm plagioclase, 2-10% (ave. 4-5%) 0.5 to 1.5 cm K-feldspar, 1-10% (ave. 3-4%) 1 to 4 mm quartz, 1-4% 2 to 4 mm biotite books, 2-5% 1 to 5 mm hornblende in a pale green to pale grey groundmass. Locally contains abundant inclusions (probably cognate) of Jqmp, some with aplitic groundmass. Probably volcanic equivalent of some of the Jqmp. Jfqx is volcanic breccia with fragments of the massive porphyry.

Jqmp Porphyry dikes in Artesia and older rocks with 10-25% 1 to 5 mm plagioclase, 2-5% (or more) $^1/_2$ to 1 $^1/_2$ cm K-feldspar, 2-5% quartz phenocrysts, 1-3% biotite books and 2-4% hornblende in a pale green to white groundmass. Can locally be traced to Jfq exposures. Includes some exposures with less quartz and/or K-feldspar, some of which should possibly have been included in Jfi.

Jfd Dacite porphyry with 10-20% $^1/_2$ to 2 mm plagioclase 1-3% 1 mm biotite flakes and 3-5% $^1/_2$ to 3 mm hornblende in a green to grey groundmass. Transitional in character between Artesia fine grained porphyries (Ja) below and Fulstone coarse porphyries above. In some areas fresh or weakly altered Jfd overlies intensely altered Ja or Jas, and in some areas Jfd is intensely altered and is overlain by less altered or rarely by similarly altered Fulstone porphyries.

Jas Sandstone sedimentary breccia and conglomerate with fragments of Artesia andesite(?), andesite (?) porphyry and silica rock (silicified rock and/or sinter). May itself be silicified as well as have fragments of earlier silicified rock.

Jsi Massive silica rock with no relict texture--may be sinter (?).

Jax Volcanic breccia of Ja fragments.

Ja Andesite and/or dacite and andesite and/or dacite porphyry, including massive and volcanic breccia undifferentiated. Porphyry contains 5-30% $^1/_4$ to 2 mm plagioclase phenocrysts. Groundmass is grey to purplish (similar to that in some Fulstone porphyries) where not strongly altered, but in many places is green due to chloritization. Ja graded into fine Jgd with increase in abundance of subhedral fine plagioclase, especially at depth below Tertiary surface. Ja includes some Jax and Jas.

Jgd Quartz monzodiorite of the Yerington batholith.