SKETCH OF BREAST

Vein consists of 5 ft zone bleached and sheared diorite containing 2-6 in. vein of crushed quartz, pyrite, and gouge and several 1/2-1 in. veins of dark gray pyritic quartz.

Vein cutoff at top of 2-3 ft quartz, 1 in. quartz in 2-3 ft. shear zone.

Raise 45 ft, all lagged at top of 2-3 ft quartz, 5 in. quartz in 2-3 ft. shear zone.

1-2 ft shear zone, some pyrite but very little quartz or alteration

8 in pyritic quartz vein in 4 ft altered zone

3 in pyritic quartz in 8 in. shear zone

2 in. quartz and pyrite in 6-12 in. altered diorite

6-8 in. black pyritic quartz

Horizontal displacement 5 ft.

Caved

Vein consists of 5 ft zone bleached and sheared diorite containing 2-6 in. vein of crushed quartz, pyrite, and gouge and several 1/2-1 in. veins of dark gray pyritic quartz.

Sheared and altered diorite

Pyritle quartz and silicified diorite

Pyritle quartz and silicified diorite

Weak shear zone with some pyrite

4-5 in quartz, pyrite, galena, sphalerite, and chalcopyrite

TOMAHAWK VEIN

3 ft. sheared diorite; very little quartz or pyrite

8-10 in. quartz and silicified diorite with pyrite

Raise

4 in. silicified diorite

Stope

Several small gougy and pyritic shear zones; do not displace main vein

5 ft. sheared and altered diorite, very little vein matter

3-6 in. altered diorite; some pyritic quartz

1/2 in. pyritic quartz in 6-8 in. altered diorite

6-8 in. silicified diorite with much pyrite in 2 ft. shear zone

Timbered

GROUNDHOG TUNNEL

Surveyed with tape and compass

PLAN OF GROUND HOG TUNNEL, TOMAHAWK MINE