

# **WOLF 093F 045**

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**TARGET:** Adularia-sericite epithermal Au-Ag: bulk mineable and high-grade (bonanza) vein deposits

**SETTING:** Eocene Ootsa Lake Gp. felsic volcanics: rhyolite subvolcanic porphyries, ash tuffs, crystal tuffs

**FINGERPRINT:** Original Ag-Zn-As-Mo lake sediment anomaly; As-Zn-Ag soil geochem anomalies

**CHARACTER:** Quartz vein, stockwork and breccia zones; banded and bladed veins and open space filling textures

**MINERALOGY:** EL, native Ag, Ag sulphosalts, PY, CP

**OTHER EXAMPLES:** Blackdome, Republic (Wash.), Sleeper (Nev.)

# **WOLF - Epithermal**

**TARGET: Adularia-sericite epithermal Au-Ag: bulk mineable and high-grade (bonanza) vein deposits.**

**SETTING: Eocene Ootsa Lake Gp. felsic volcanics: rhyolite subvolcanic porphyries, crystal and ash tuffs, siltstones and basal conglomerates.**

**FINGERPRINT: Original Ag-Zn-As-Mo lake sed. geochem. anomaly; As-Zn-Ag soil geochem anomalies; biogeochemistry.**

**CHARACTER: Quartz vein, stockwork and breccia zones; banding and open space filling textures; shallow west-dipping stratabound silicified auriferous zones (eg. Ridge Zone: 300m x 7.6m x 240m; ddh 92-13: 9.5m @ 1.34 grams gold per tonne).**

**MINERALOGY: EL, native AG, AG sulphosalts, PY, CP.**

**OTHER EXAMPLES: Blackdome, Republic (Wash.), Sleeper (Nev.), heap leach scenario.**

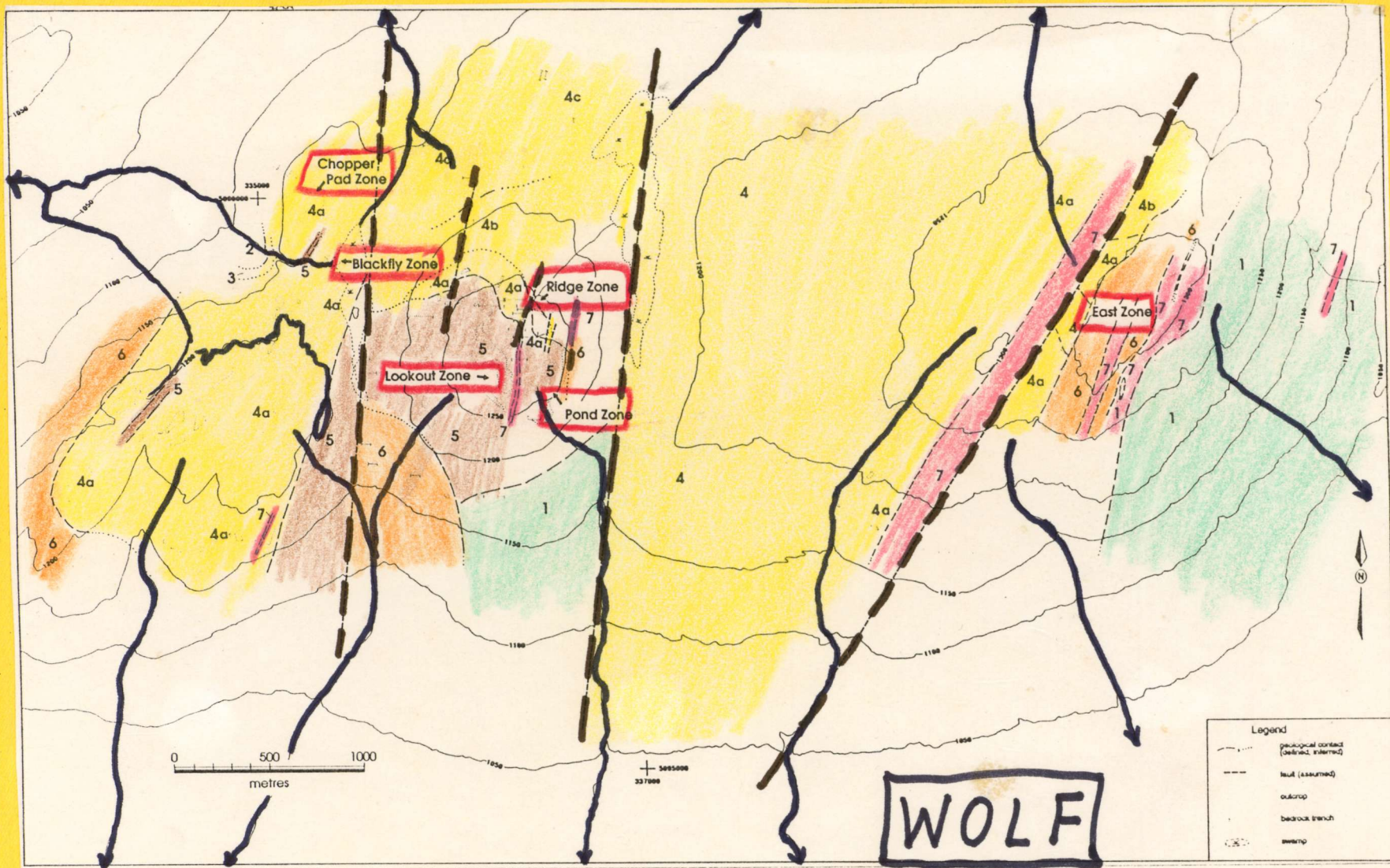


Figure 2. Simplified geological map of the central part of the Wolf epithermal gold-silver deposit and location of anomalous zones. Legend: **Jurassic Hazelton Group**, 1 = pyroxene-phyric andesite flows and minor argillaceous interbedded mudstones, siltstones and sandstones. **Tertiary Ootsa Lake Group**, 2 = basal(?) polymictic conglomerate; 3 = intermediate lapilli tuff; 4 = rhyolite package (4a = proximal rhyolite flows, tuffs and breccias; 4b = tuffaceous siltstones and mustones, 4c = distal ignimbrites, densely welded to non-welded); 5 = maroon quartz feldspar porphyry; 6 = grey feldspar porphyry; 7 = quartz eye porphyry.



ENTIAKO LAKE

BLACKFLY  
ZONE

ANOMALOUS  
LAKE - SEDIMENT  
Ag-As-Mo

LOOKOUT  
ZONE

RIDGE ZONE

POND  
ZONE

'93 9 30

Looking NW over the Wolf epithermal prospect, Interior Plateau.