

896691

Osoyoos

Quinalta Petroleum.  
Peachland Creek  
1964

Rock Name *Skarn mineralized with pyrite.*Serial No. *2376*Locality *Quinalta Petrol ~~in~~ Peachland property.*NDM Field No. *MCK64-228*

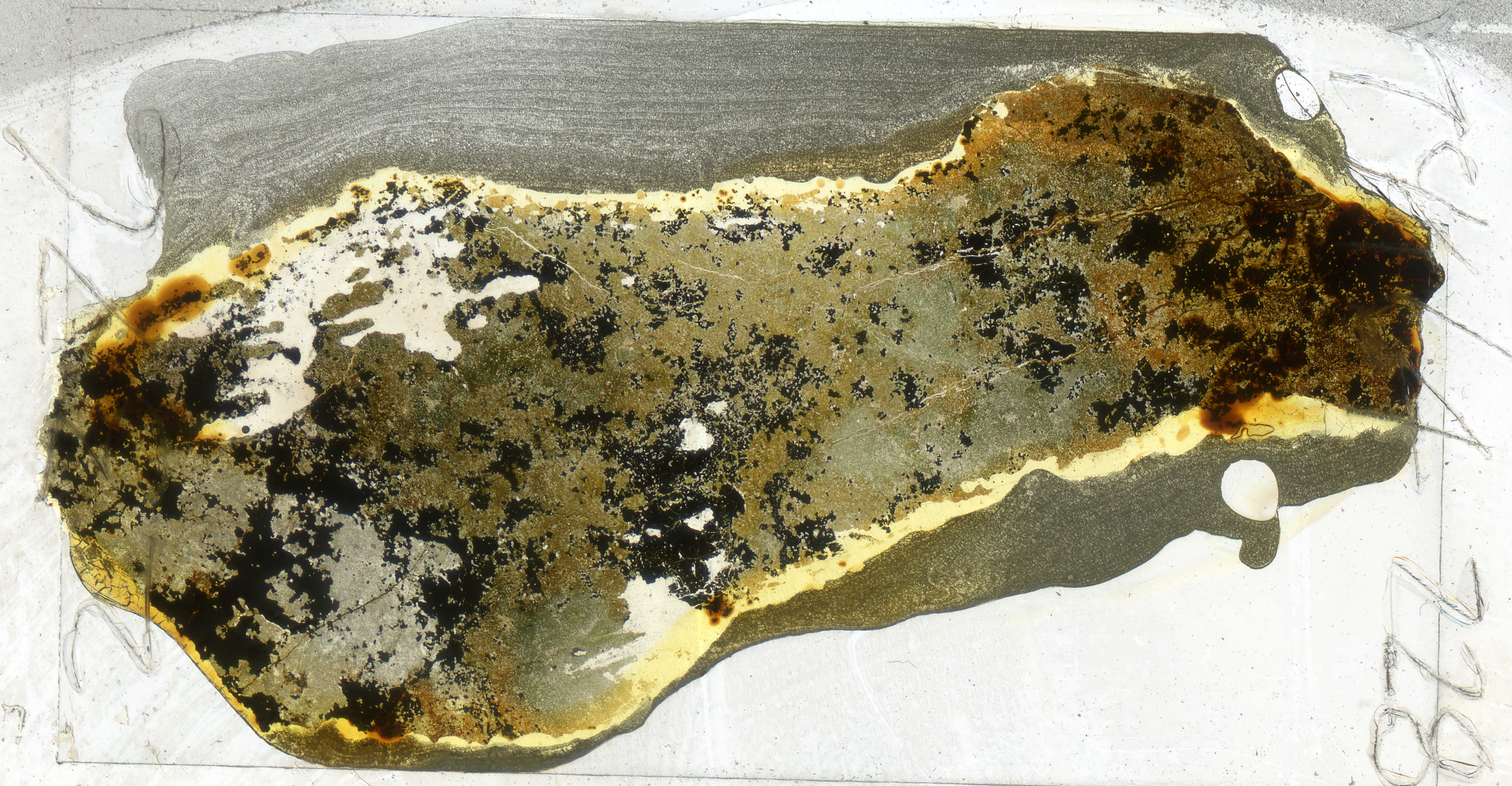
Occurrence

Megascopic

Microscopic *Pyrite is abundantly dissem. thru a flg <sup>rock</sup> matrix which is traversed by a few narrow shears carrying veinlets. Some of these veinlets traverse pyrite. Most of the rock consists of small pyroxene crystals set in an intensely-colored, reddish-brown, anisotropic matrix. A few grains of quartz or feldspar are also scattered thru this matrix. Here and there are patches in which the matrix of pyroxene & the felsic mineral is largely deep-green chlorite. Toward one end of thin section matrix pales to ~~yellowish-green~~ greenish-yellow & grows scarce at end, where*

MINERALS	Approx. per Cent.	Cut on Dotted Line to Make Clip for Section	Analyst	Date <sup>over</sup>
plagioclase	10		<i>Y/S</i>	<i>Oct 30 '64</i>
Pyroxene	20			
(Garnet)	(tr)			
Epidote	5			
Ferroan antigorite?	23			
chlorite	15			
Pyrite	25			
Carbonate	2			
quartz	tr			

feldspar grows more common. Possibly the matrix is ferroan antigorite with the iron variably oxidized. One or two isolated chlorite grains look like pseudomorphs after garnet. Some of the shears are filled with rusty carbonate, but other veins consist of quartz & a nearly isotropic mineral, probably serpentine. Carbonate also occurs as ragged grains here & there in the rock.



Rock Name *Probably andesite, partly altered & skarnized*Serial No. *2377*Locality *Quinalta Petrol<sup>m</sup> Peachland property*NDM Field No. *MK-69-238*

Occurrence

Megascopic

Microscopic *Fly granular rock containing dissem. pyrite & ragged veinlets & pockets of carbonate. The principal mineral in rock appears to be feldspar; almost none shows twinning, but all grains tested are biaxial. Due to the fly texture, the identification of epidote & garnet is tentative; garnet is based on lack of colour, high relief, isotropic & near-isotropic character. Rock appears to be a normal fly intermediate intrusive in which ferromags. have been variously altered to epidote & to chlorite & antigorite.*

MINERALS	Approx. per Cent.	Cut on Dotted Line to Make Clip for Section	Analyst	Date
Sphene Biotite Feldspar Amphibole	3 2 45 tr		<i>G/SPE.</i>	<i>Oct. 30 '64</i>
Pyroxene Epidote? Garnet Chlorite Antigorite	tr 10 10 3 10			
Hematite Pyrite Carbonate	tr 7 10			

