KUTCHO CREEK VISIT - July 27, 1975 884682

- 40 ft. of 3% Cu and 1 oz. of Ag for every % Cu - in eastern most drill holes (1974).

- Geochem. works great eg. Mn, As

- Geophys. works best - EM, mag, turem, I.P.
- airborne outlined units (eg. shale) and folding pretty well.

- History - Imperial looked in area in 73 (?) and staked claims (consortium with 2 other oil companies). Two other companies decided not to continue work and if Imperial wanted to (which they did) then the other two would automatically (by precious contract) "own" any finds. Therefore, Imperial let claims lapse; meanwhile, Sumac was in area (looking for Au) doing geochem and followed up a low order anomaly (300 ppm Cu?) and discovered their showing. They staked 16 claims adjoining Imperial (~140 claims at that time). When Imperial discovered this, both them and Sumac staked a lot more ground (to date, Imperial has ~700 cls. and Sumac~150?).

- It appears from Andre and Dave that the strong E-W orientation (foliation - schistosity) has been folded in an "S"-shaped manner. All units dip moderately to steeply to the north except right in the nose where dips are to the south. It is this change in dip that provided the clue or basisto distinguishing folding.

Mineralization is best in the nose of folds and repetition of folding will mean "more" ore.

The general plunge of rocks is about 60° (?) to the west - which means that Sumac will have the greater % of ore (60%). And, of course, the possibilities of ore at depth is also good for Sumac.

- Rocks (host) are meta-sediments - qtz. - sericite pebble shist and clastic wackes.

4863

Ass. Rpts: 5100
5120
5138
5147
5294 *

- Outcrop of ore in creek 1/4 mile up creek from Sumac camp.

- Float boulder of massive banded (cpy - ZnS) sulph. and bornite. 2000 ft. above Imperial camp.

- Trodjehmite (granites) intrusive to the south. Coarse cong. has are 'clasts' of intrusive giving it a very "bumpy" surface.

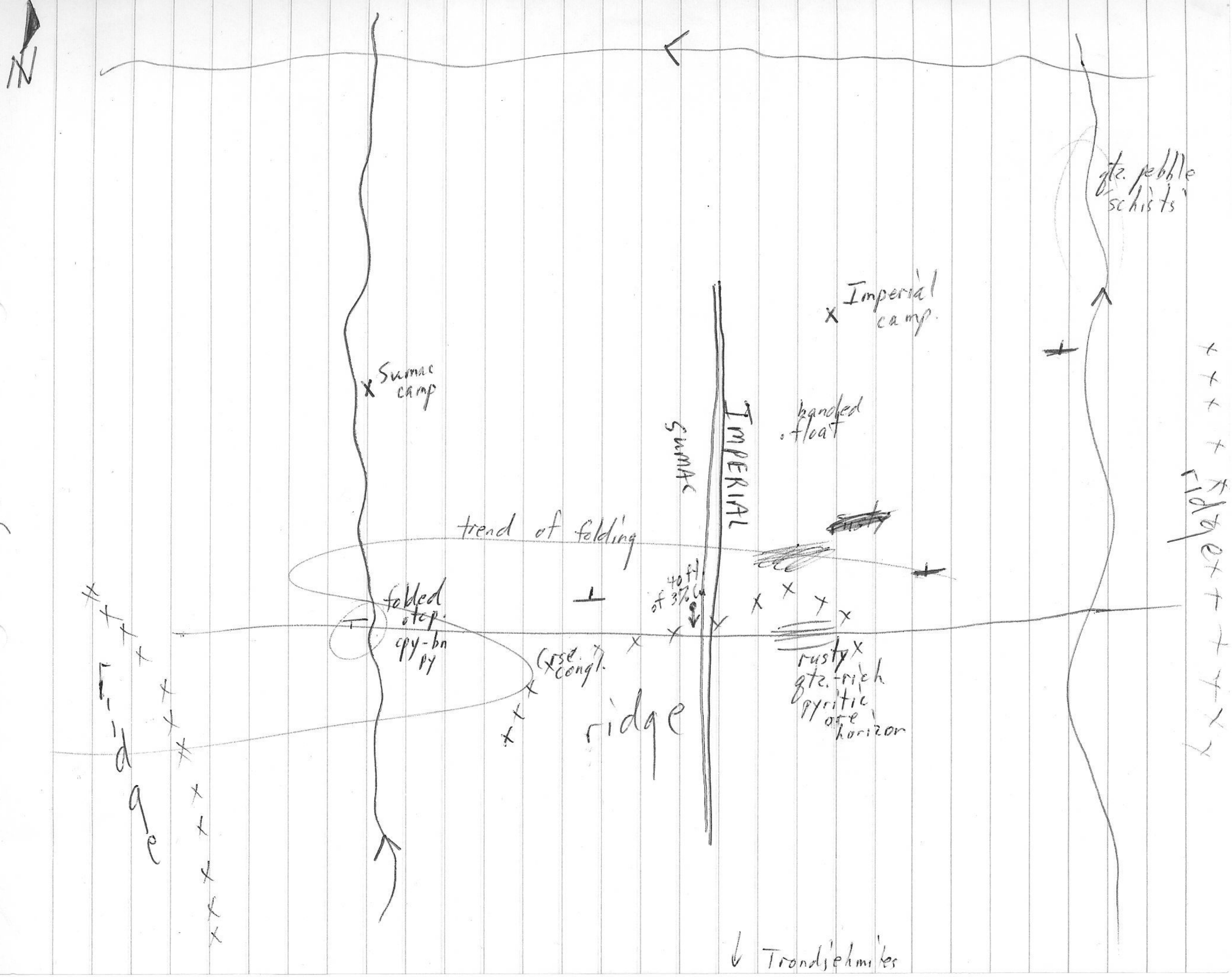
- Possibly a fan-structure from the north.

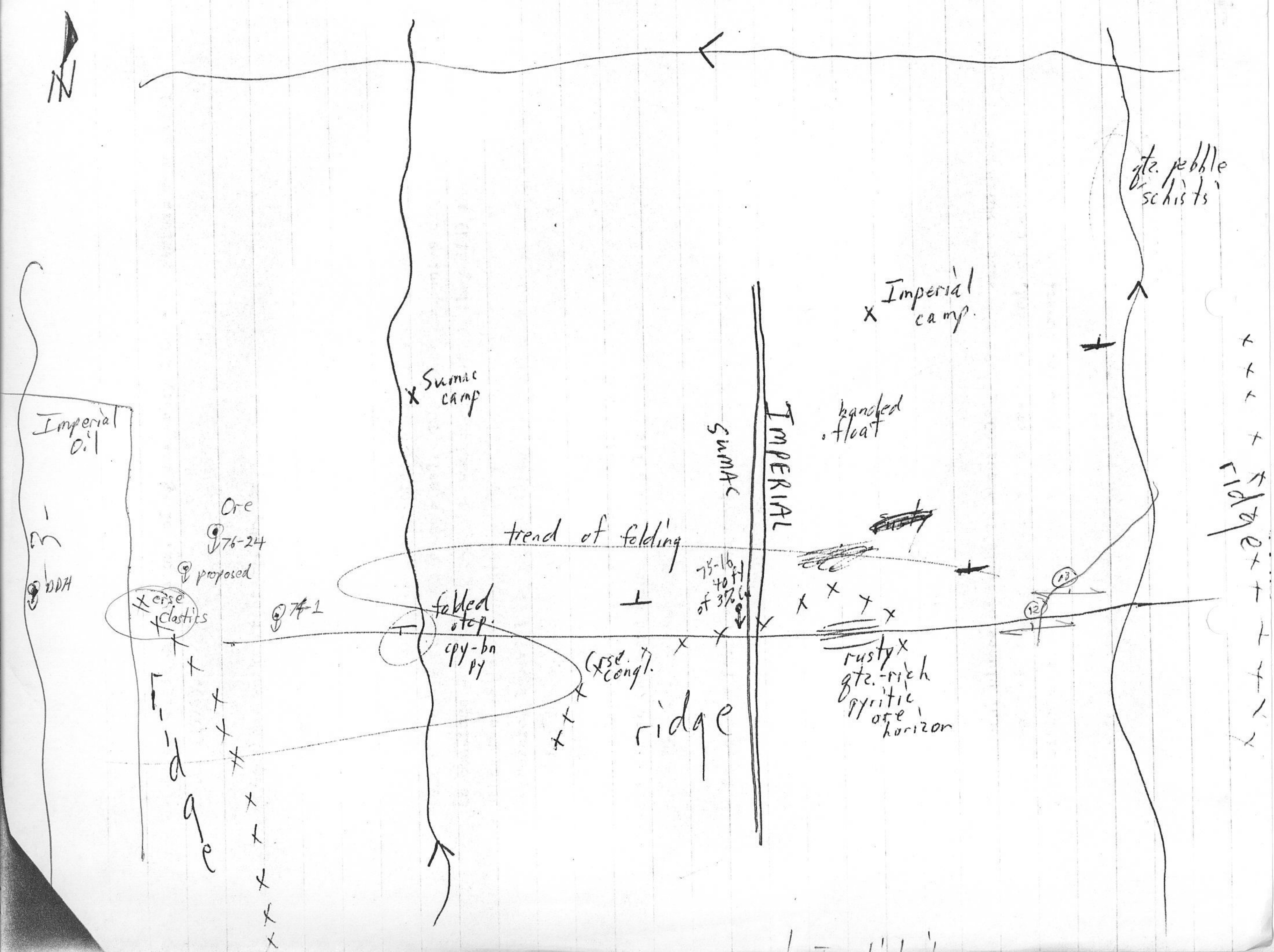
- Ore zone traced over 5000 ft. and general mineralized zone traced over 7 or 8 miles.

- Basic dark green hornblende po. dyke or sill unit.

- Bands of limestone (rusty).

-3-


N
qtz. pebble schists
Imperial camp
Sumac camp
banded float
SUMAC
IMPERIAL
ridge
trend of folding
40 ft of 3% Cu
folded otcp. cpy-bn py
crse congl.
ridge
rusty qtz.-rich pyritic ore horizon
ridge
↓ Trondjeh miles



N
qtz. pebble schists
Imperial camp
Sumac camp
Imperial Oil
banded float
Sumac
IMPERIAL
trend of folding
Ore
76-24
proposed
DDH
crse clastics
74-1
folded otcp.
cpy-bn
py
75-16
40 ft
of 3% Cu
crse. congl.
ridge
rusty
qtz.-rich
pyritic
ore
horizon
ridge
ridge
12
13