

JULY 1 1982

## MARBLE DOME 104N/15

SEVERAL TILL OR SOIL SAMPLES IN THIS AREA RAN 10 OR 20 PPB AU WHEREAS VERY FEW SIMILAR SAMPLES ON OTHER PARTS OF 1981 DIXIE PROJECT SHOWED ANY GOLD. AS A CHECK ON THE VALIDITY OF THESE VALUES AND AS AN ATTEMPT TO SHOW A DIRECTIONAL PATTERN IT IS PROPOSED THAT RELATIVELY LARGE TILL SAMPLES BE COLLECTED AT 250 METRE INTERVALS ON TAPE + COMPASS LINES 500 METRES APART. NOT ROCK TYPES ALONG LINES + ESPECIALLY AT SAMPLE SITES. NO HUMUS

THE LARGEST PRACTICAL SAMPLE, FREE OF LARGE DEBBLES, SHOULD BE COLLECTED. THESE SAMPLES SHOULD BE OF RELATIVELY UNIFORM SIZE, ~~THE~~ <sup>THE</sup> ACTUAL WEIGHT SHOULD BE ESTIMATED IN GRAMS. I THINK MINIMUM SIZE TO BE USEFUL WOULD BE LARGE PAPER TALKS BAG FULL.

EACH SAMPLE IS TO BE PANNED DOWN TO ABOUT  $\frac{1}{10}$  OF ITS ORIGINAL SIZE TO RESULT IN A MODIFIED HEAVY MINERAL CONCENTRATE OF ABOUT EQUAL VOLUME FOR EACH SAMPLE. SAME PERSON SHOULD PAN ALL SAMPLES

CHEMEX TO BE ASKED TO WEIGH EACH SAMPLE SUBMITTED, PULVERIZE TO - 100 MESH AND ANALYZE FOR AS AU 56?

PRESUMABLY RESULTS SHOULD BE IN THE 100 PPB RANGE + SHOULD BE CONTOURABLE POSSIBLY GIVING A GLACIAL DISPERSION DIRECTION.