

INTRODUCTION:

Since May, 1984, we have been working on cross and long sections for GRUM (with a brief interruption for a two month field season). We have arbitrarily divided the deposit into 3 stages (Figure 1) with work on cross and long sections starting at the southeast end (stage 1) and proceeding to the northwest (stage 3). These stages provide convenient dividing lines for plotting and drafting; the interpretation necessarily encompasses the different stages concordantly.

Grum cross and long sections are completed in three sequential steps:

- 1) computer plotting of single drill holes on cross and long section projections - lithology, assay samples, S_2 foliation attitudes, fault data,
- 2) drafting of information from single drill hole plots onto cross and long sections - lithology, S_2 foliation attitudes, fault data,
- 3) geological interpretation of the drafted cross and long section panels.

For each section the steps are sequential. However, the steps can be done in parallel on different sections. Figures 2 and 3 illustrate progress to date on steps 1 and 2. Figure 4 indicates projected completion times for the different steps.

PROGRESS REPORT:

1) Computer plotting (Step 1)

Figure 2 illustrates the proportion of single drill hole computer plots which have been completed to date. Most of the cross section plots have been completed (75%), and long section plots are only just started (15%).

Estimated time requirement to complete all single drill hole plots:

1 person full time for 4 months

This person does not need to have any technical training.

2) Drafting of sections (Step 2)

Figure 3 illustrates the proportion of drill holes drafted within the deposit to date. Less than 30% of the drill holes have been drafted. On cross-sectional basis, sections 56W to 68W have been drafted. The number of drill holes increases dramatically on cross sections to the northwest.

Estimated time requirement to complete drafting of all cross and long sections:

1 person full time for 18 months

This person does not require technical training although it helps to have a geological background. Neat drafting skills are required.

3) Geological interpretation (Step 3)

GAJ and LCP are currently working on an initial interpretation for cross sections 56W through 68W. Interpretation is essentially keeping pace with drafting. Finalized sections have not been prepared; "fine-tuning" of the cross sections to make them internally consistent requires consideration of sections from both stages 1 and 2.

Estimated time requirements for a finalized geological interpretation are highly dependent upon times for completion of steps 1 and 2. Given our present progress Stage 1 can be finalized by June 1, 1985. Preliminary sections for Stage 2 will also be in hand by that time.

Figure 4 is a projected time estimate for completion of the project. This schedule assumes that the present progress rate is maintained and that GAJ and LCP are able to devote full attention to the geological interpretation of the cross and long sections.

CONCLUSIONS:

The above schedule can be maintained only if we have temporary personnel to continue with drafting and computer plotting. We therefore formally request the following:

- 1) the continuation of a drafting person for one year
- 2) the addition of a data entry/clerk for 4 months.

GRUM DEPOSIT - INTERPRETATION

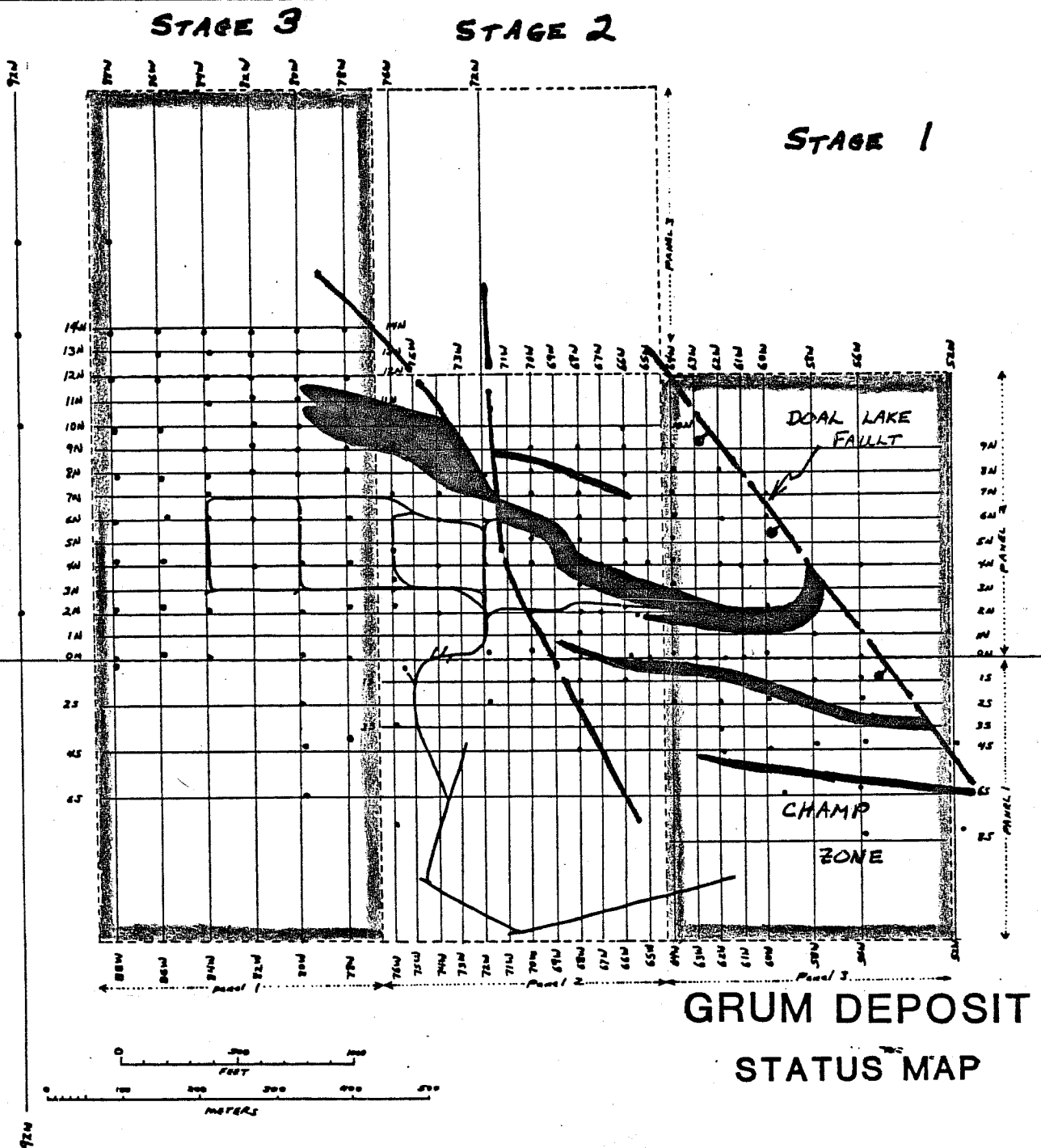
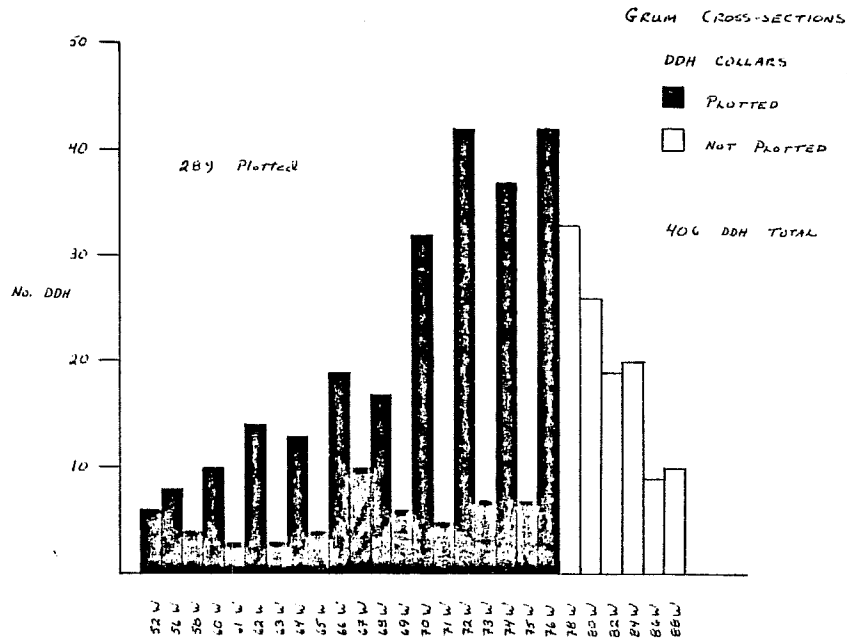


Figure 1. Plan view of Grum deposit with cross and long sections indicated. Interpretation of sections will start with Stage 1.

GRUM PROGRESS - COMPUTER PLOTTING

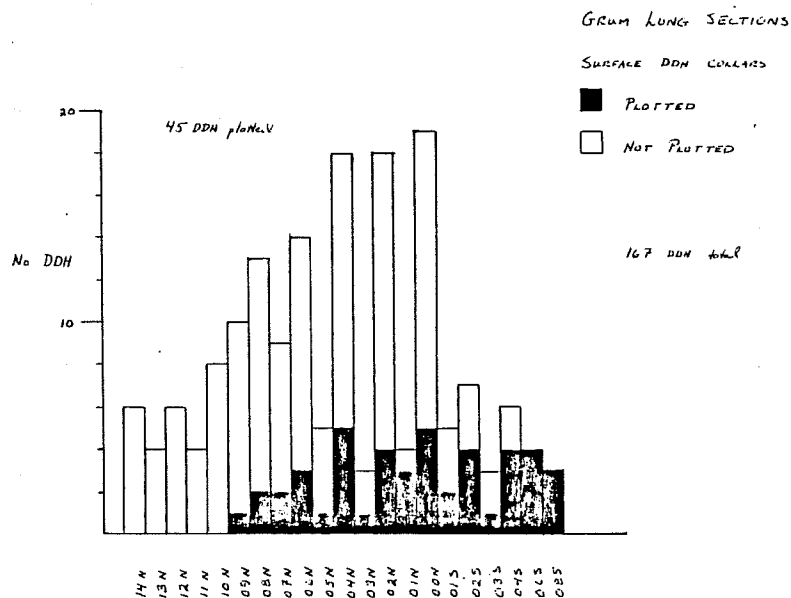
CROSS

75%



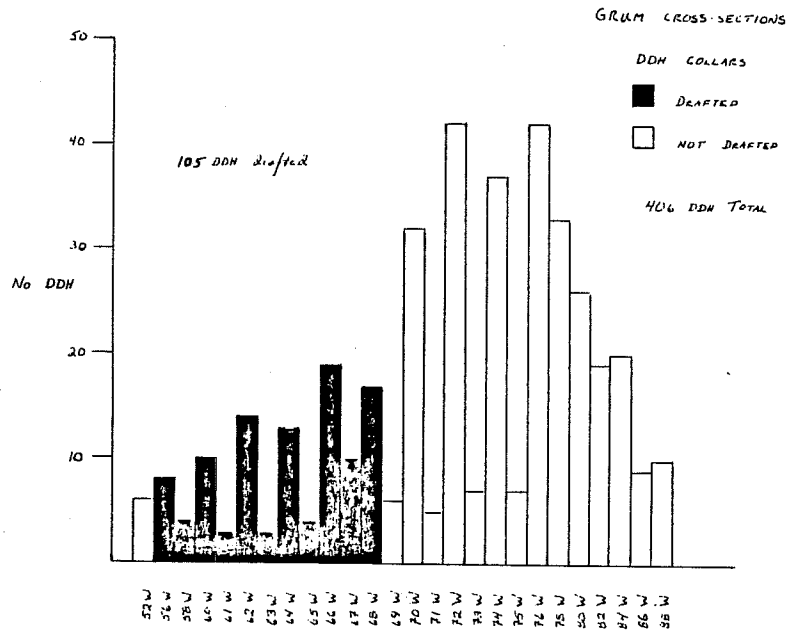
LONG

15%



GRUM PROGRESS - DRAFTING

CROSS
30%



LONG
10%

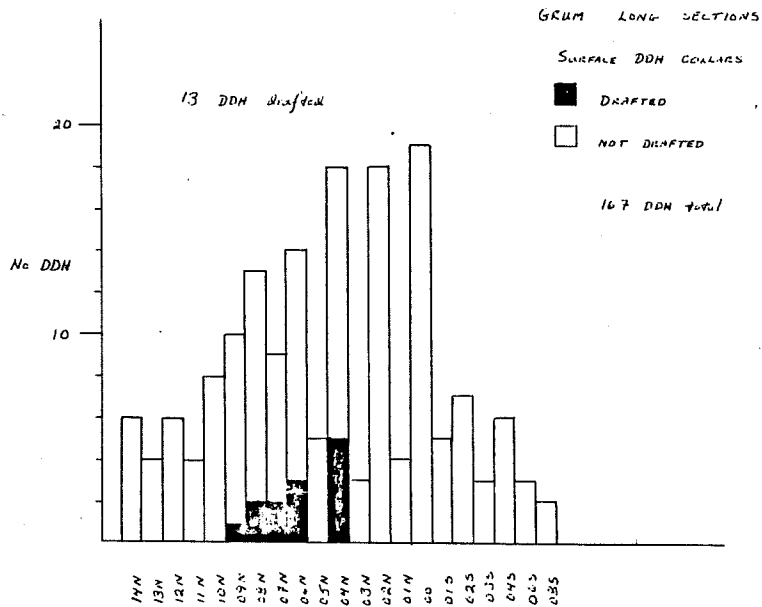


Figure 3. Number of drillholes drafted as a proportion of the total number of drillholes.

Figure 4. Timetable for GRUM GEOLOGY model.

N.B. No provision is made for a field season in 1985 or 1986.

DEC 84	JAN 85	FEB 85	MAR 85	APR 85	MAY 85	JUN 85	JUL 85	AUG 85	SEP 85	OCT 85	NOV 85	DEC 85	JAN 86	FEB 86	MAR 86	APR 86	MAY 86	JUN 86	JUL 86	AUG 86	SEP 86	OCT 86	NOV 86	DEC 86
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COMPUTER PLOTTING
STEP 1

(1 person)

CROSS AND LONG SECTION DRAFTING
STEP 2

(1 person)

GEOLOGY INTERPRETATION
STAGE 1

(LCP/GAS)

GEOLOGY INTERPRETATION
STAGES 2 and 3

(LCP/GAS)

GRUM
DOCUMENTATION

(LCP/GAS)