

Figure 1-1

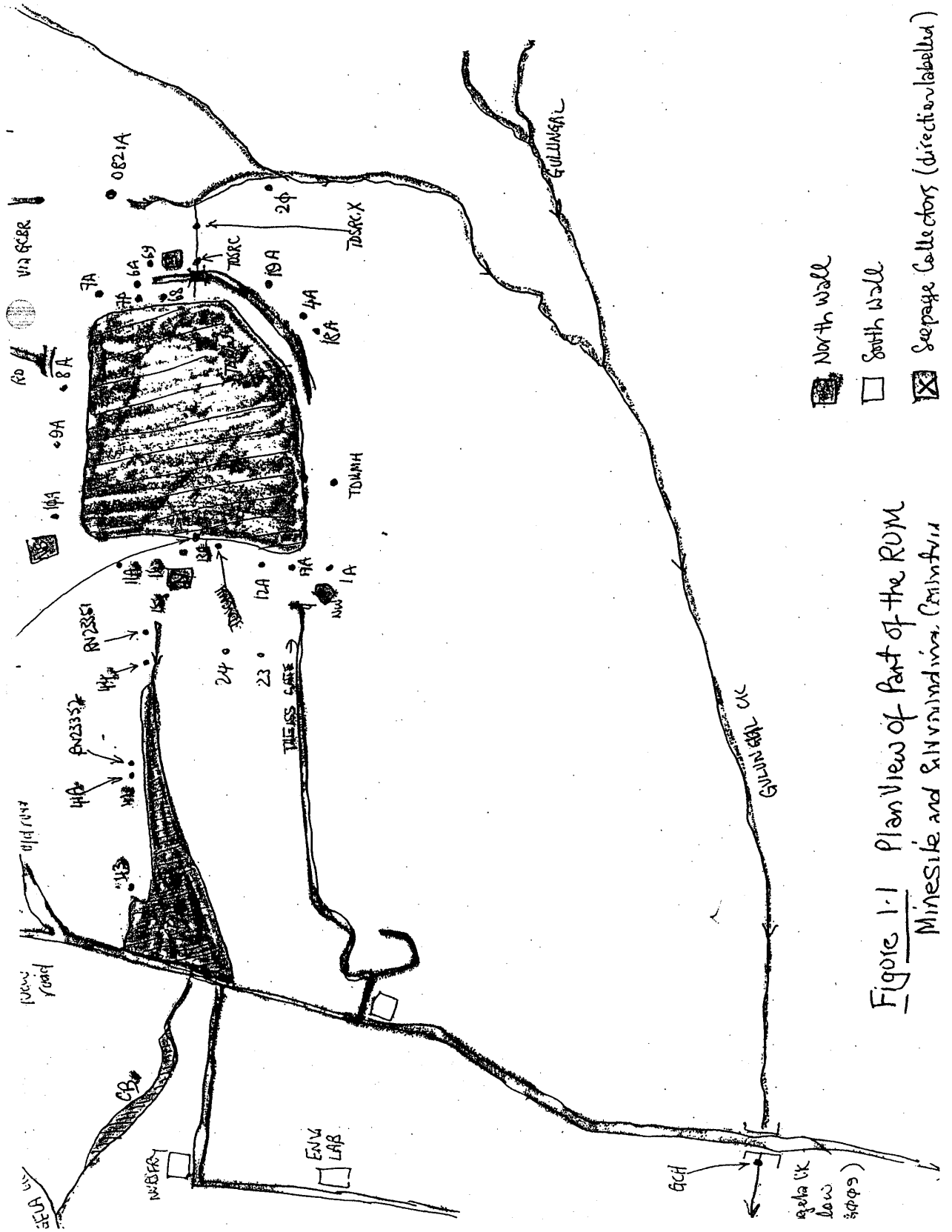


Figure 1-1 Plan View of part of the ROM
Minesite and S.M.V.M. (S.M.V.M. 111)

Figure 1.2 - Detail of TDSRC

Figure 1.2

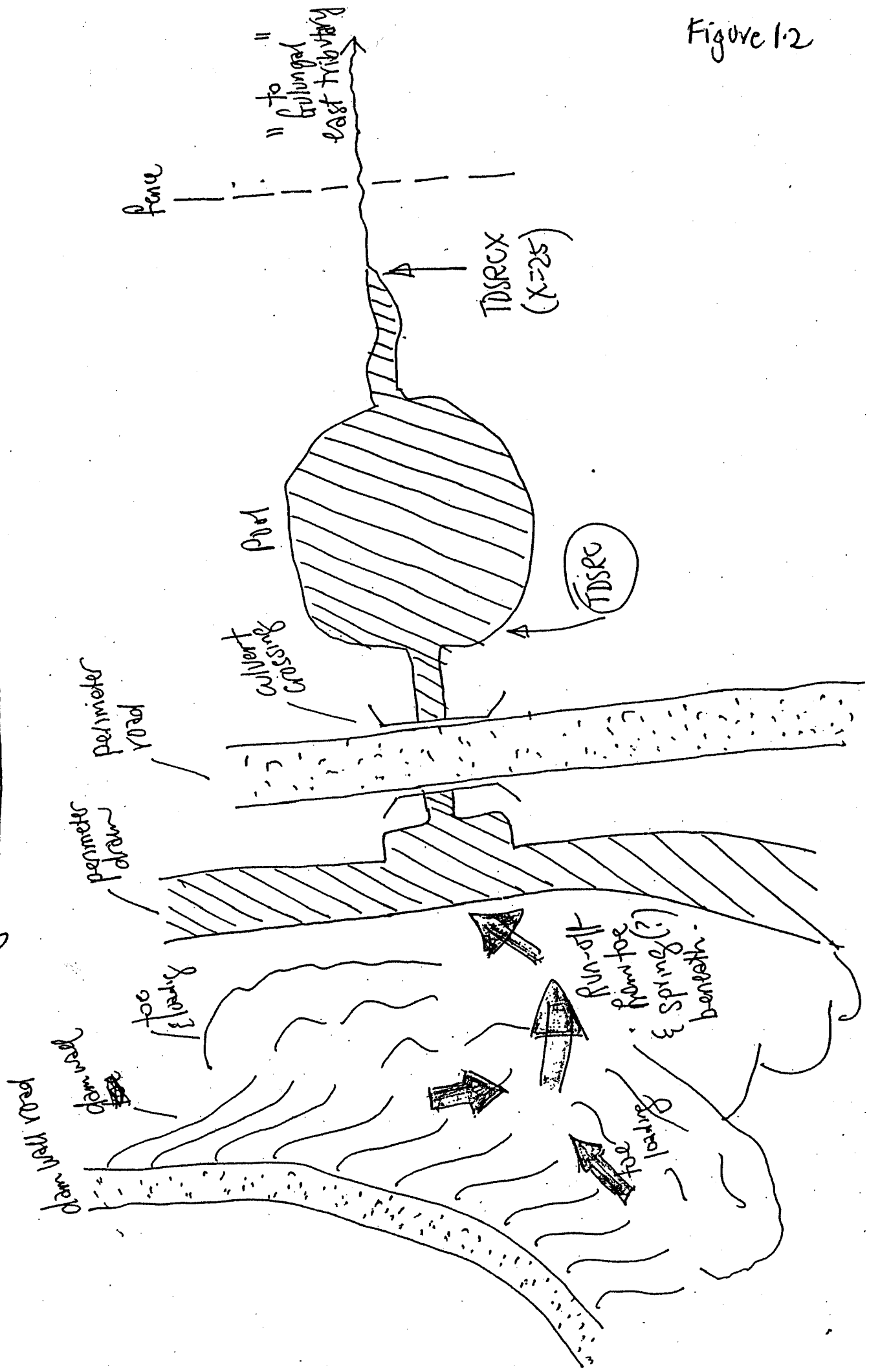


Figure 1.3

URANIUM CONCENTRATION IN TDSRC

ug/L

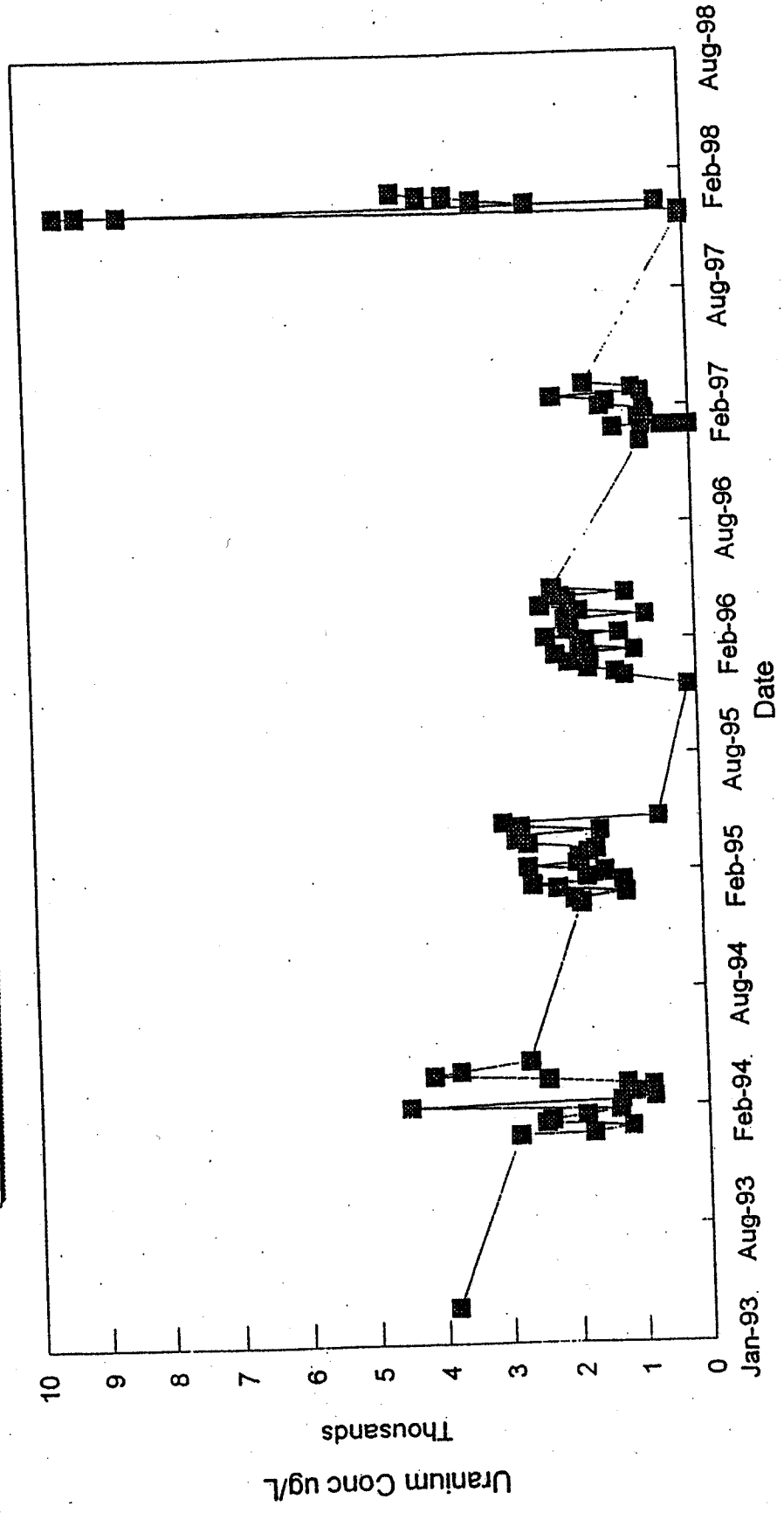


Figure 1.4

U in TDSRC

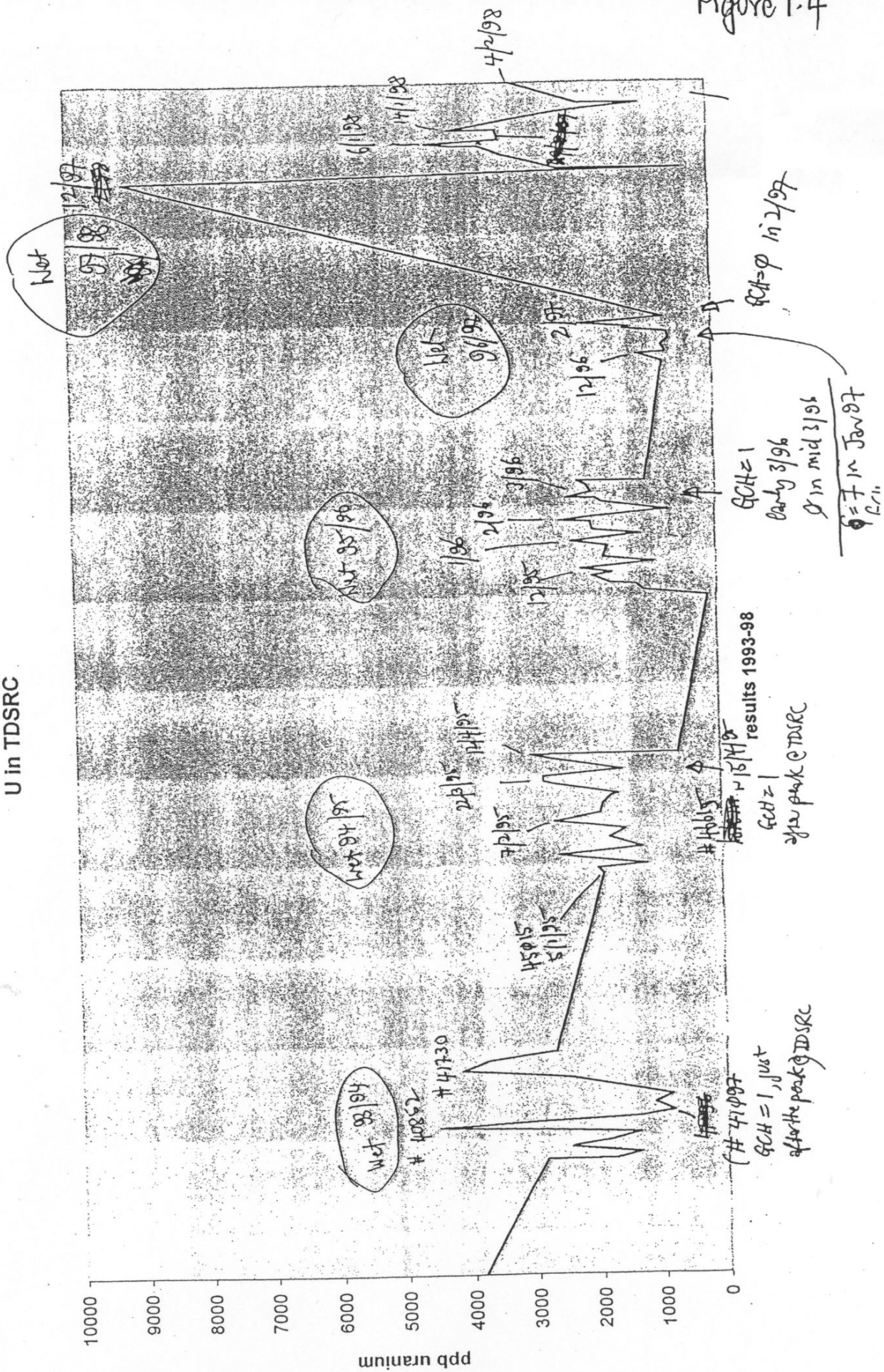




Figure 1.5

ERA

Energy Resources of Australia Ltd - Ranger Mine

ACN 008 550 865

MEMORANDUM

TO : Geoff Kyle
FROM : Mick Nolan
CC : P Woods, A Ryan
SUBJECT : TDSRC Uranium History
DATE : 11 February 1998
REF :

Geoff,

I have looked up the history of TDSRC uranium concentrations and found that the uranium concentrations were decreasing each year up to the 1997-1998 wet season. This year the increased uranium concentrations were most likely due to the toe loading of waste rock and earth works on the southern side of the tailings dam, and the general area of TDSRC last dry season.

I propose that the uranium monitoring continues at one sample per week and that towards the end of next dry season the situation should be assessed again.

Mick Nolan
Senior Technical Officer.

Figure 1-6

Peter H. Woods

23/02/98 01:17 PM

To: Mick Nolan/ERA/North/AU, Geoffrey Kyle/ERA/North/AU, Allan Ryan/ERA/North/AU
cc:
Subject: U in TDSRC

Thanks for the update on U in TDSRC. The graph at the end seems to tell the story well, and I also consider the recently placed waste rock to be the most likely source. Some of the toe loading was crushed and screened so has a relatively high surface area for initial leaching of constituents. I know we measure U at the road crossing of Gulungul Creek, and presume the U has always been low there. Could one of you please extract the data and put it on the same graph with TDSRC (maybe using a log scale), then circulate to the same list (MN, GK, PW, AR). I agree it is a 'watching brief', so we can confirm that the same trailing off of U values over the next few years. This info. is of use for final rehab. planning as we will have a lot of fairly fresh waste rock draining to the local creeks, mostly via wetlands such as the two bunds we have on Corridor Creek (MBL and Brockman).

Regards

Peter Woods
23/2/98

Never done!