

CENTRAL PACIFIC MINERALS N.L.

YUWAIYUNN NT-82

COMPLETION REPORT ON EXPLORATION

LICENCE 506, FLORINA AREA

March, 1973

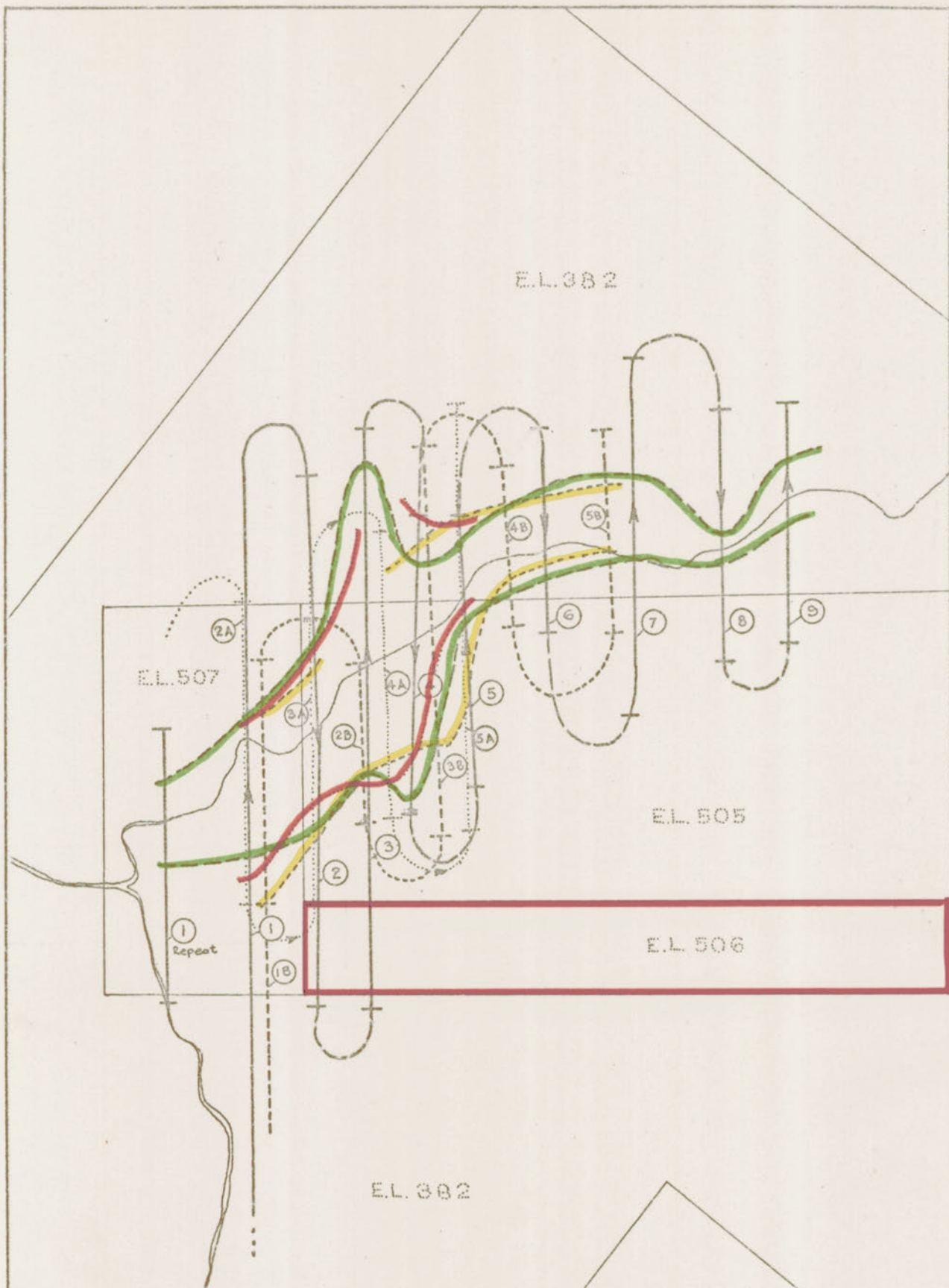
F. Baarda

INTRODUCTION

Exploration Licence 506 covering 17 square miles was granted on the 18th August 1972. This E.L. was one of four (E.L.'s 382, 505, 506 and 507) adjacent areas which were explored concurrently. The full details of the exploration programme are given in the completion report for E.L. 382. The pertinent details concerning E.L. 505 are summarised below.

EXPLORATION RESULTS

The area was considered as a sedimentary uranium prospect within the drainage basin of the Fergusson River. The available published information had indicated that the Cullen Granite was 'hot' and as such was a probable source of uranium mineralization. Other volcanic rocks within the Fergusson River drainage basin were considered to be secondary sources of uranium. The host rock for any mineralization was considered to be Cainozoic sediments in the lower reaches of the Fergusson River where many swamps are shown on published maps. This area was enhanced by the presence of a radiometric 'platform' which is shown on B.M.R. maps of the area. This 'platform' was verified on the ground with a scintillometer, but the origin of the anomaly was still unknown. A multi-channel spectrometer airborne survey was then conducted. The results (Figs. 1 and 2) indicated that the source of the anomaly is entirely due to thorium probably originating from detrital material derived from the Cullen Granite. The area was subsequently surrendered.



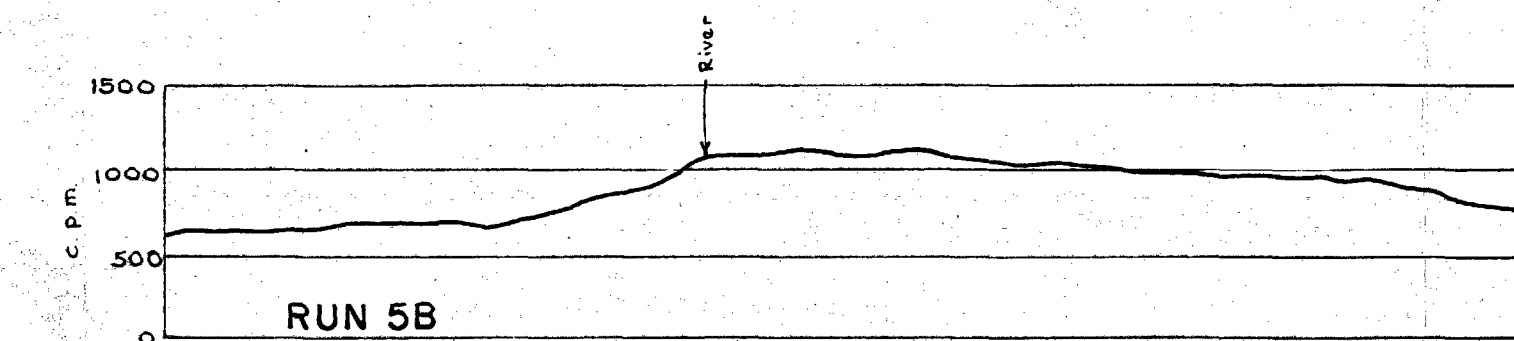
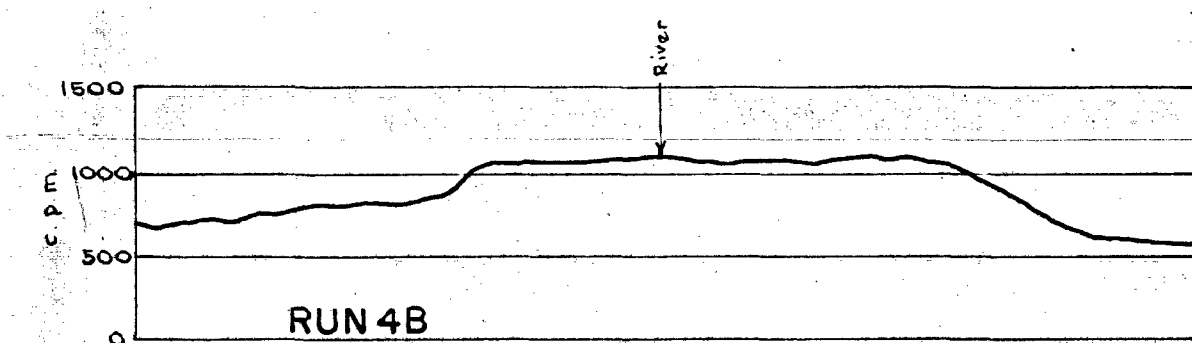
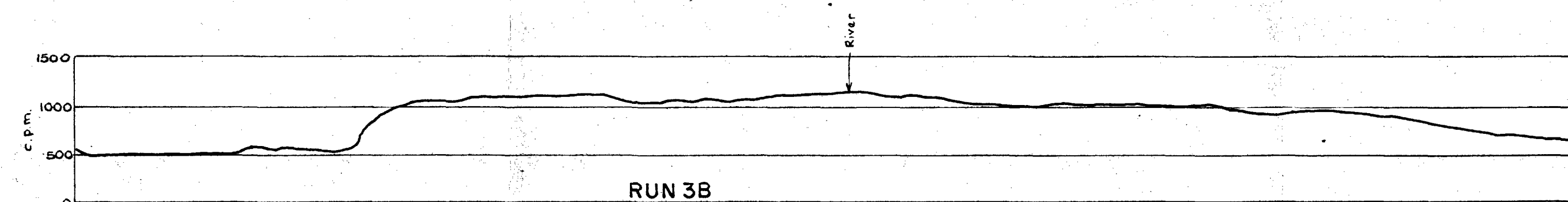
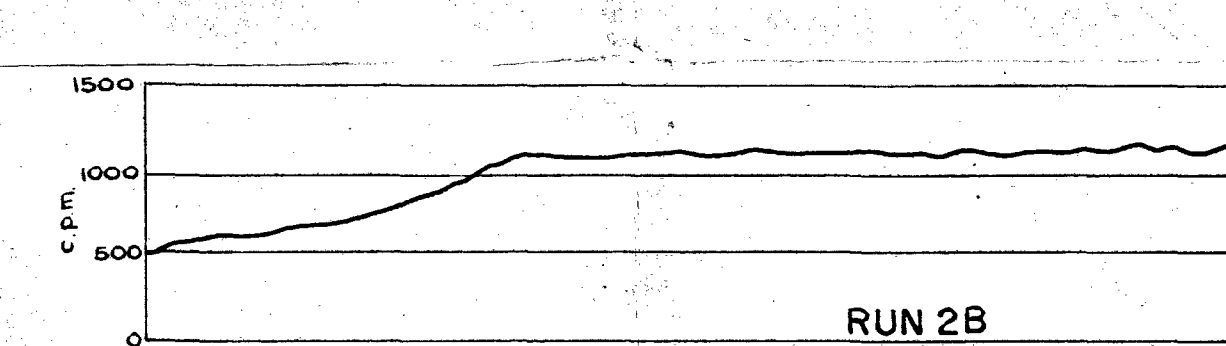
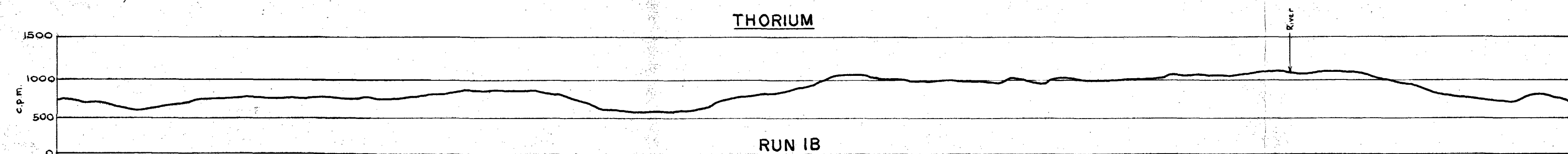
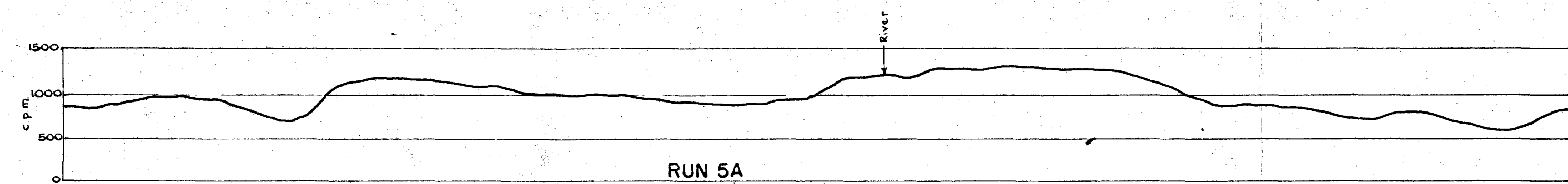
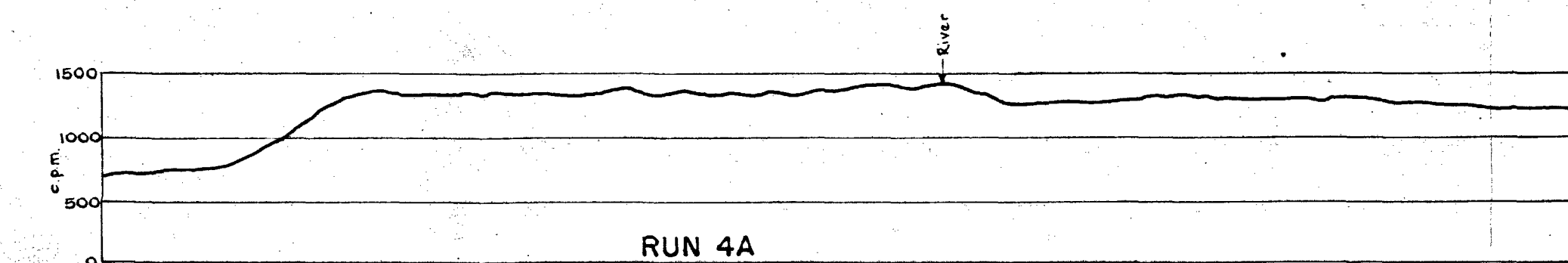
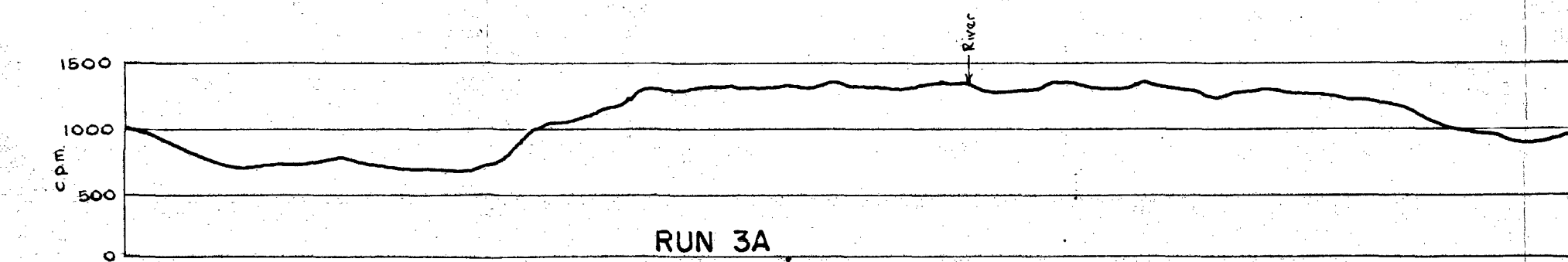
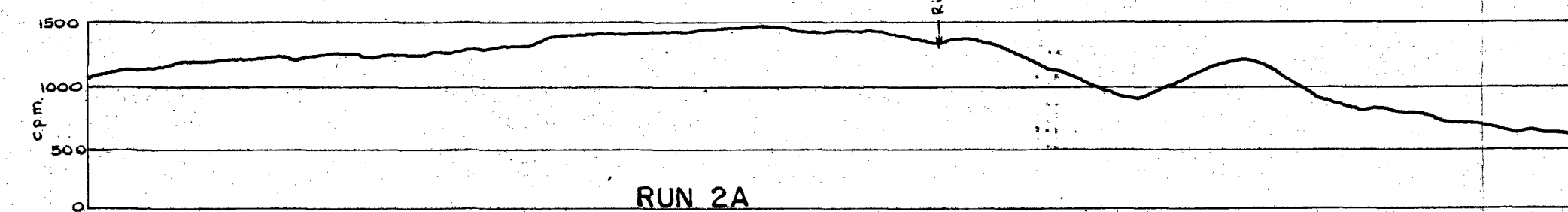
LEGEND

- Flight Lines
- Thorium + Uranium + Potassium (3)
 - Thorium + Uranium (3A)
 - Thorium (3B)
 - Area > 1200 c.p.m. Th + U + K
 - Area > 1000 c.p.m. Th + U (Using Discriminator)
 - Area > 1000 c.p.m. Th (Using Discriminator)

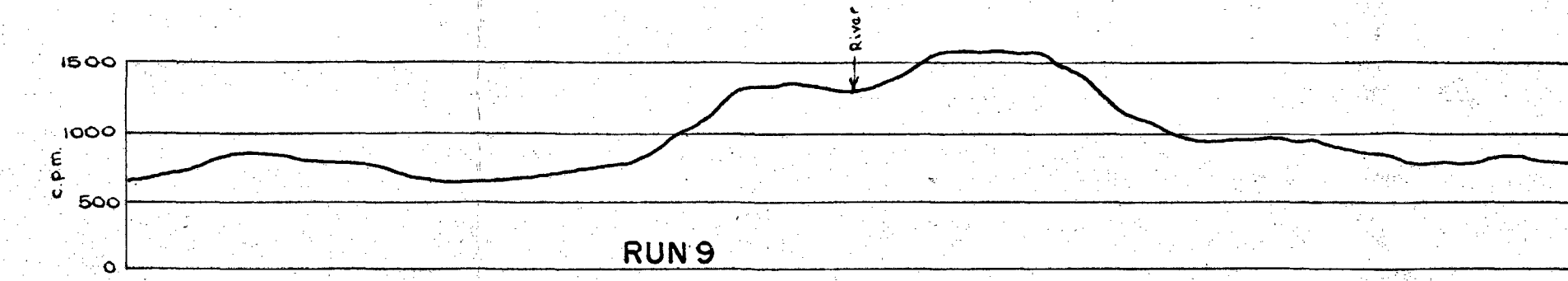
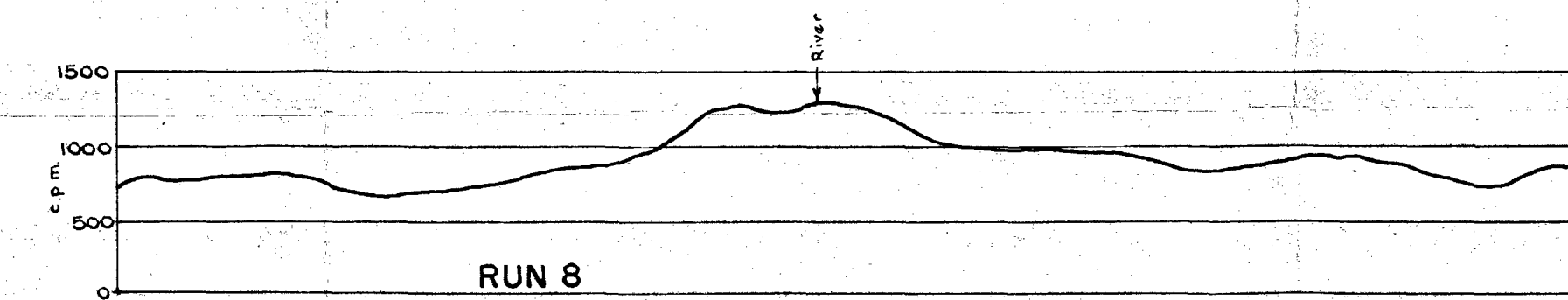
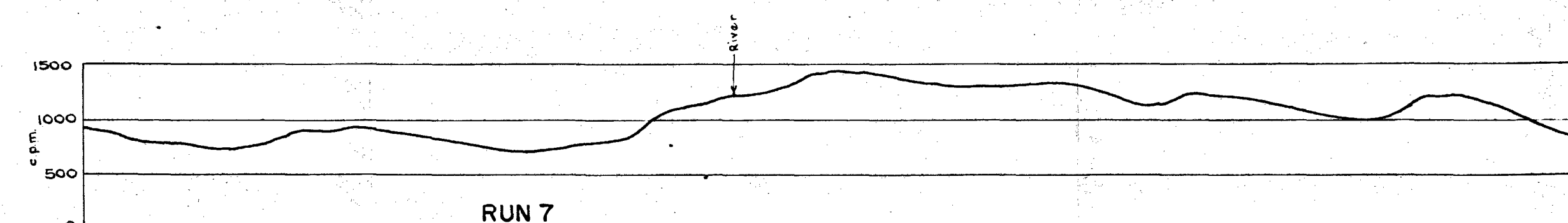
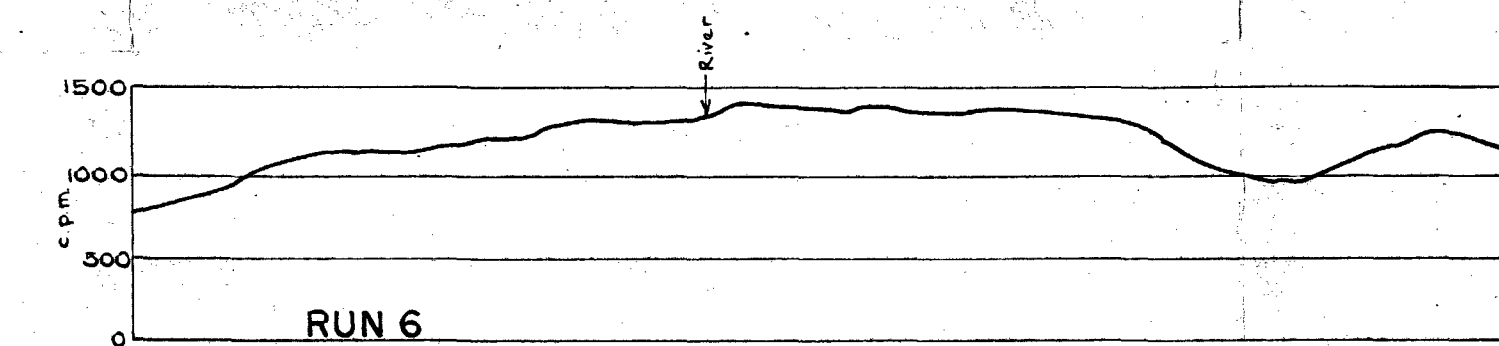
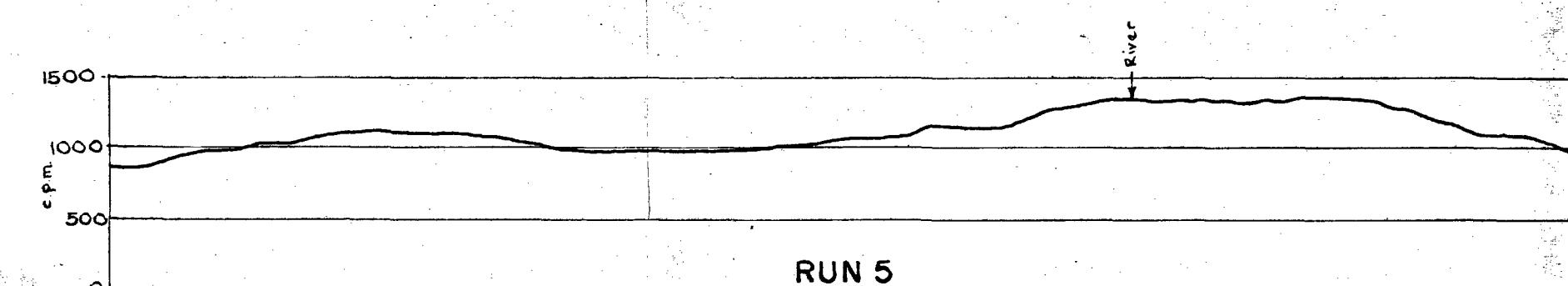
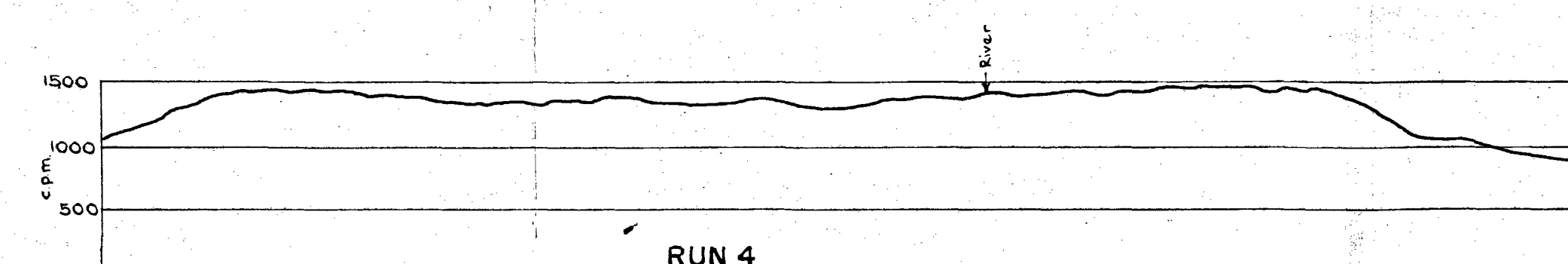
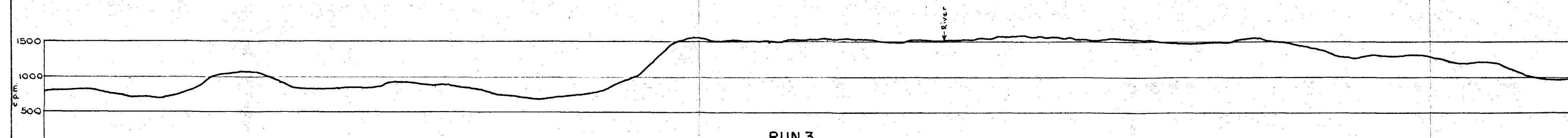
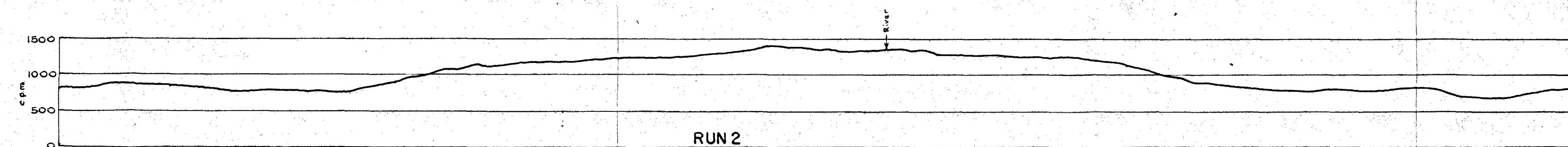
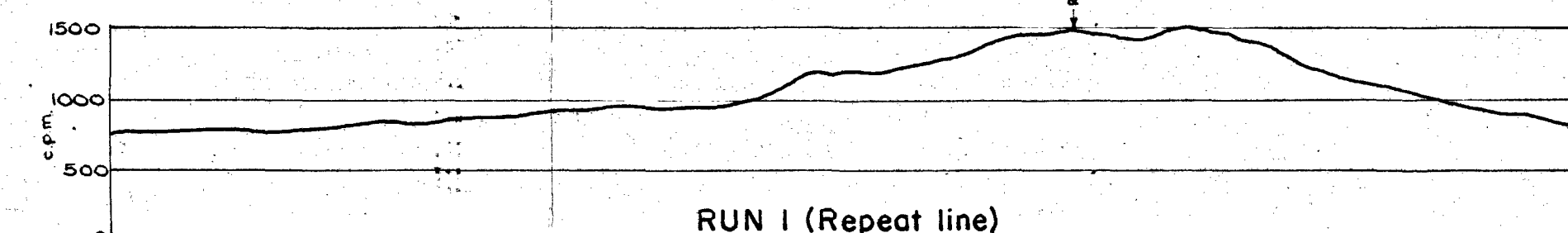
CENTRAL PACIFIC MINERALS N.L.	
EL's 505, 506, 507 (FLORINA AREA)	
SPECTROMETER SURVEY FLIGHT LINES	
Scale: 1:100,000	Plan No.: NT.33-6
Date: June '73	Drawn by: J.G.A.

FIG 1

THORIUM+URANIUM



THORIUM + URANIUM + POTASSIUM (Total counts)



NOTE - Run 1 - Instrument calibration.