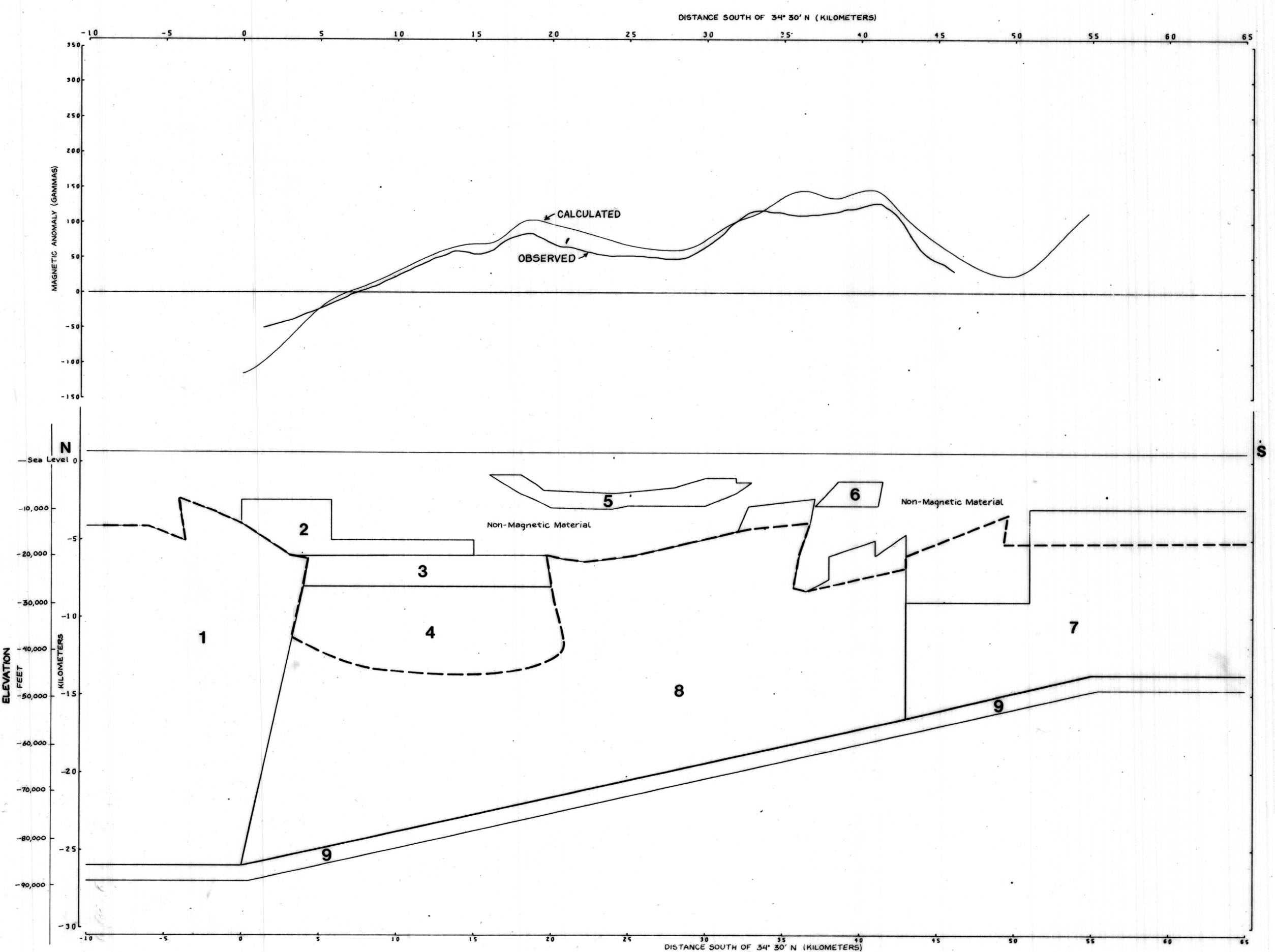


MAGNETIC MODEL 3

BODY NUMBER	PERCENT MAGNETITE	SUSCEPTIBILITY X 10 <sup>-6</sup> EMU	ROCK CHARACTER
1	0.08	200	Sierran basement
2	0.28	700	Miocene volcanics
3	0.28	700	Sespe redbeds
4	0.12	300	Greenschist metamorphic facies (?)
5	0.20	500	Miocene volcanics
6	0.28	700	Sespe redbeds
7	0.14	350	Franciscan basement
8	0.64	1600	Intrusive
9	0.24	600	Intrusive
10	0.32	800	Miocene volcanics
11	0.25	625	Sespe redbeds
12	0.20	500	Intrusive
13	0.25	625	Sespe redbeds
14	0.24	600	Intrusive
15	0.25	625	Sespe redbeds
16	0.08	200	Franciscan basement
17	0.25	625	Sespe redbeds
18	0.25	625	Sespe redbeds
19	0.32	800	Intrusive
20	0.20	500	Basaltic basement
21	10.00	25000	Curie point boundary
22	0.12	300	Franciscan basement

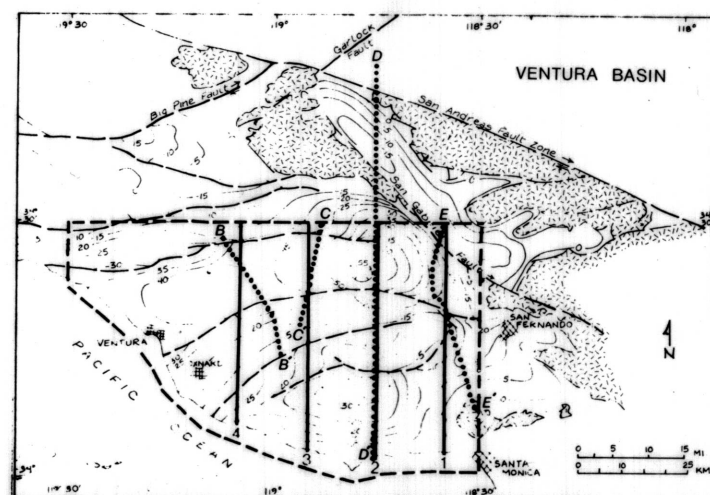
--- Basement inferred from Nagle and Parker (1971)



MAGNETIC MODEL 4

BODY NUMBER	PERCENT MAGNETITE	SUSCEPTIBILITY x 10 <sup>-6</sup> EMU	ROCK CHARACTER
1	0.06	150	Sierran basement
2	0.16	400	Intrusive (?)
3	0.60	1500	Intrusive (?)
4	0.26	650	Greenschist facies metamorphics
5	0.07	200	Sespe redbeds
6	0.12	300	Volcanics
7	0.24	600	Franciscan basement
8	0.26	650	Franciscan basement
9	10.00	25000	Curie point boundary

--- Basement inferred from Nagle and Parker (1971)



VENTURA BASIN DEPTH TO MAGNETIC BASEMENT  
EUREKA NO. 7054

TITLE: STRUCTURAL CROSS SECTIONS  
BENEATH MAGNETIC MODELS 3 AND 4

PLATE 3 ORIG. SCALE 1:125,000

DATE 26 JULY 1978 DRAWN BY JRP

APPROVED *AJL*

EUREKA Resource Associates, Inc.  
2161 Shattuck Ave., Suite 317  
Berkeley, California 94704

This report (map) was prepared under contract to (a grant from) the U. S. Geological Survey and has not been reviewed for conformity with USGS editorial standards and stratigraphic nomenclature.