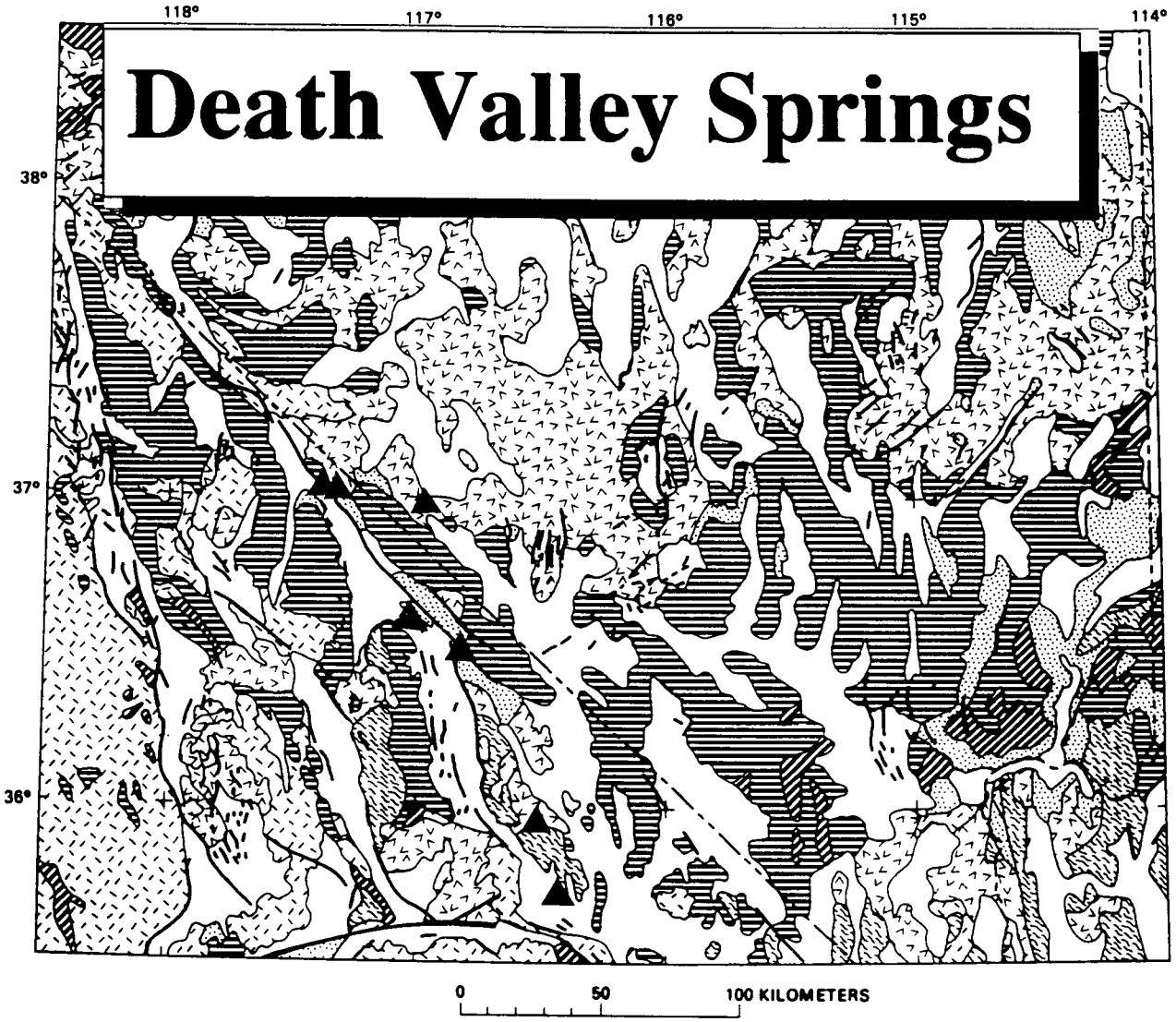
12 April '94

Saturated-zone Water Chemistry, to Date

Bill Steinkampf, U.S.G.S.

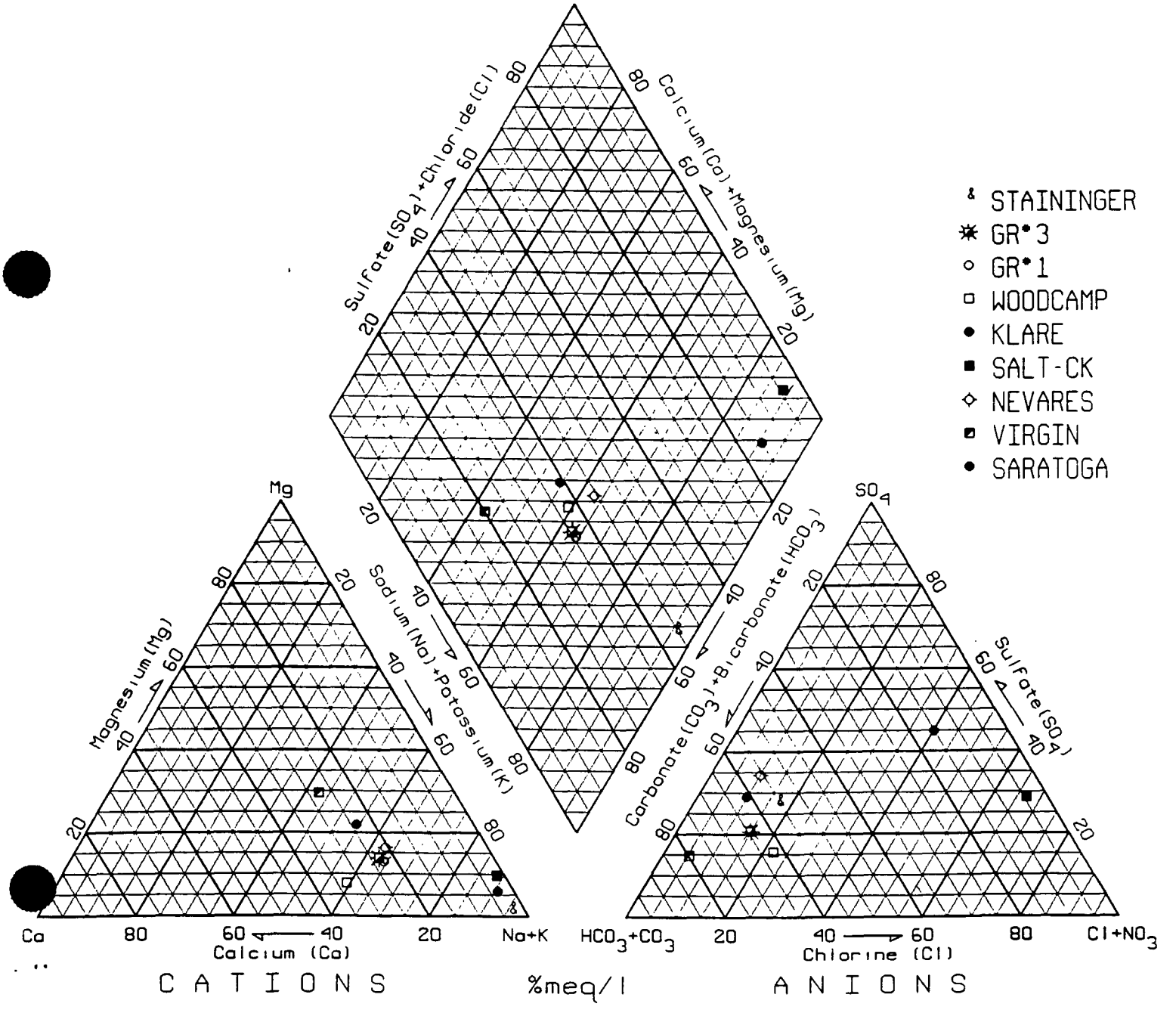


EXPLANATION

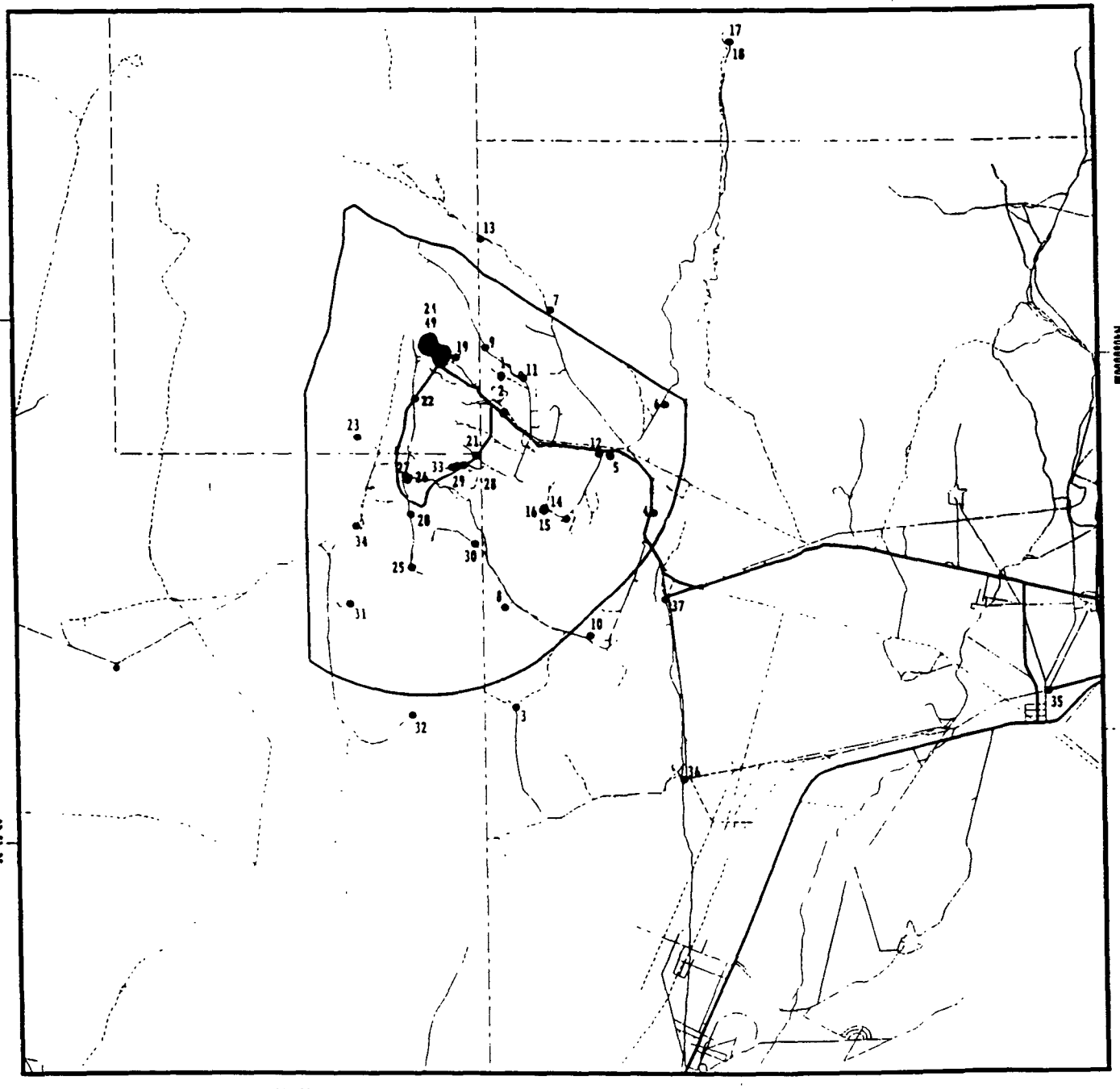
- Quaternary volcanic rocks
- Cenozoic volcanic rocks
- Tertiary sedimentary rocks
- Cenozoic and Mesozoic intrusive rocks
- Mesozoic sedimentary and volcanic rocks
- Paleozoic and Late Proterozoic sedimentary and volcanic rocks
- Middle and Early Proterozoic rocks
- Contact
- Quaternary fault

Figure 2.2. Generalized geology of southern Great Basin (modified from Bailey, 1966, pl. 1; King and Beikman, 1974; Nakata and others, 1982; and Carr, 1984).

Death Valley Springs



Site-area & Vicinity Boreholes



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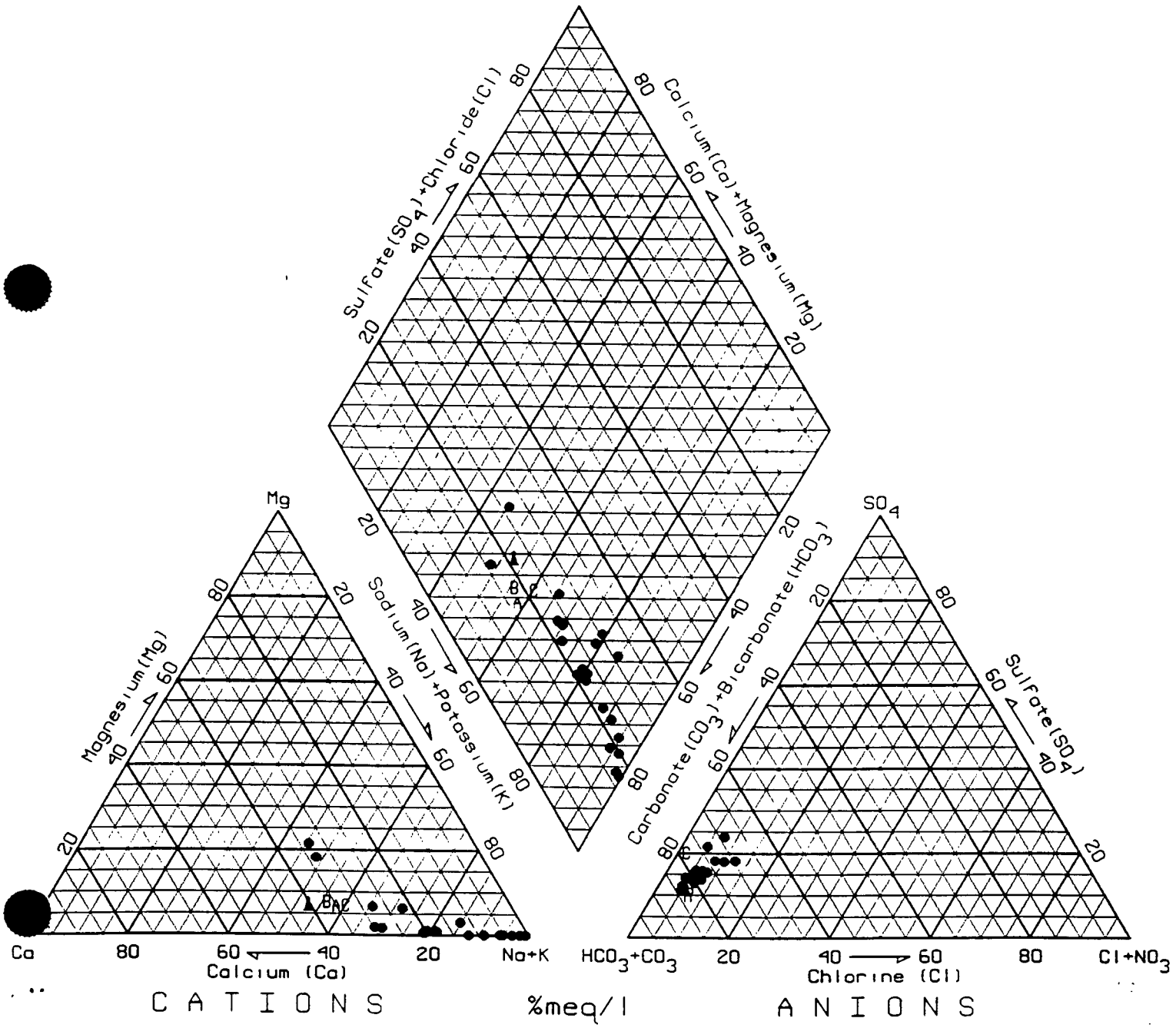
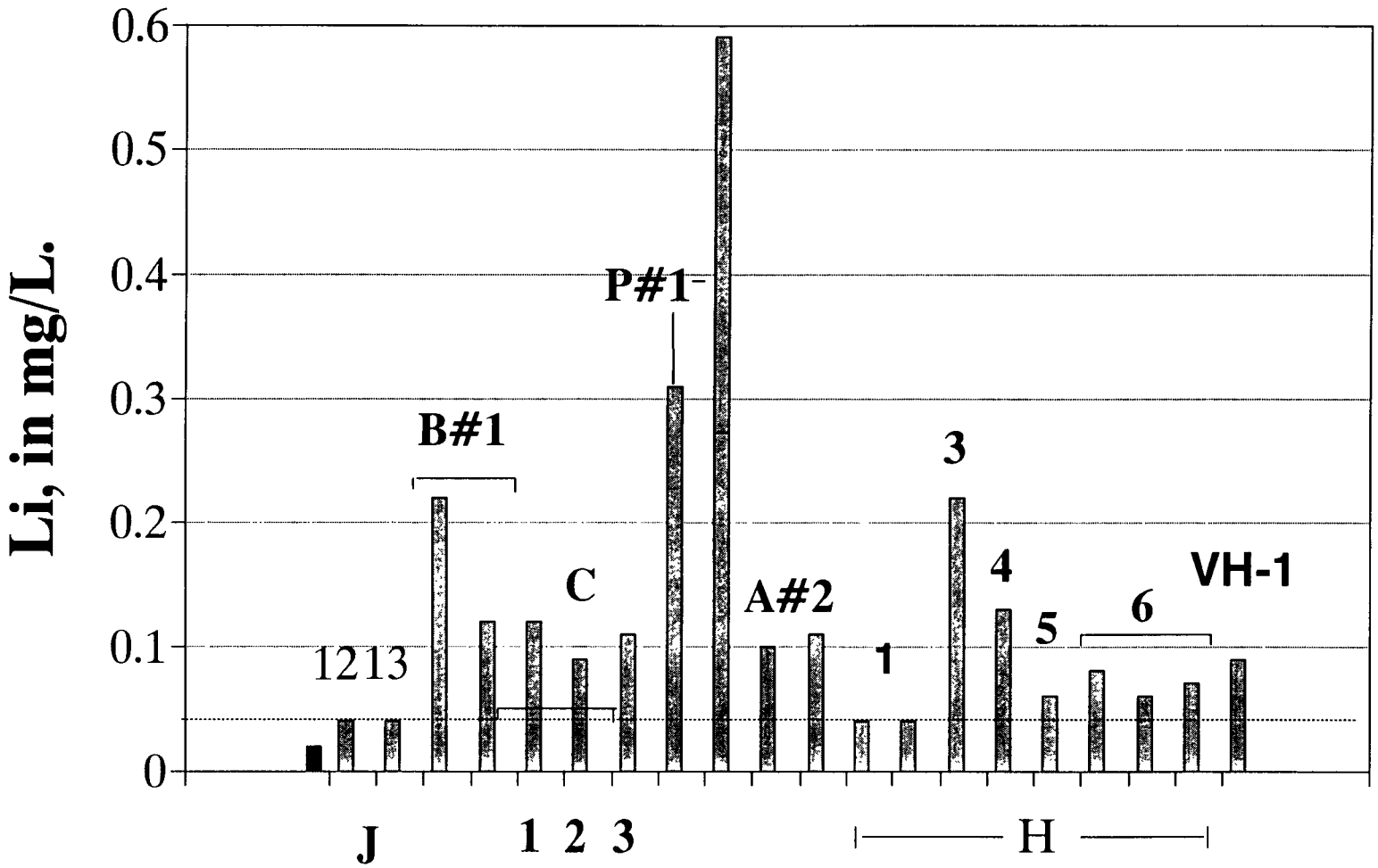
Site-area & Vicinity Boreholes



Site-area & Vicinity Boreholes



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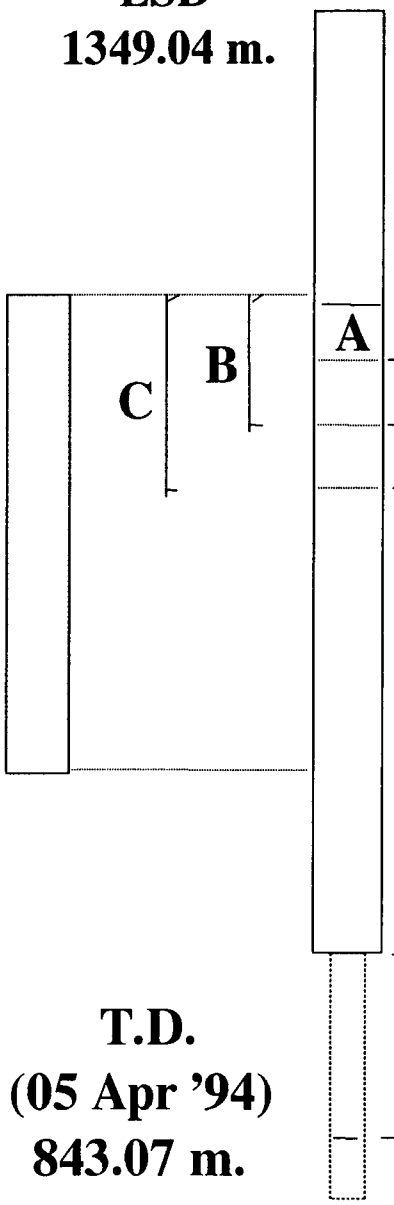
Not to Scale



Altitude	Samples	Method
964.41 m.	A, A-1 A-2	Bailer (T/T/SS)
961.38 m.	B	Bailer (T)
958.29 m.	C, #1, #2, # #4-1, #4-2	Bailer (SS), Moyno
915.37 m.		
872.88 m. 10 Mar '94	"D"	Bailer (T)

02 Aug '93 -- A, A-1, A-2
03 Aug '93 -- B
05 Aug '93 -- C
17 Aug '93 -- # 1
19 Aug '93 -- # 2
25 Aug '93 -- #4-1
27 Aug '93 -- #4-2

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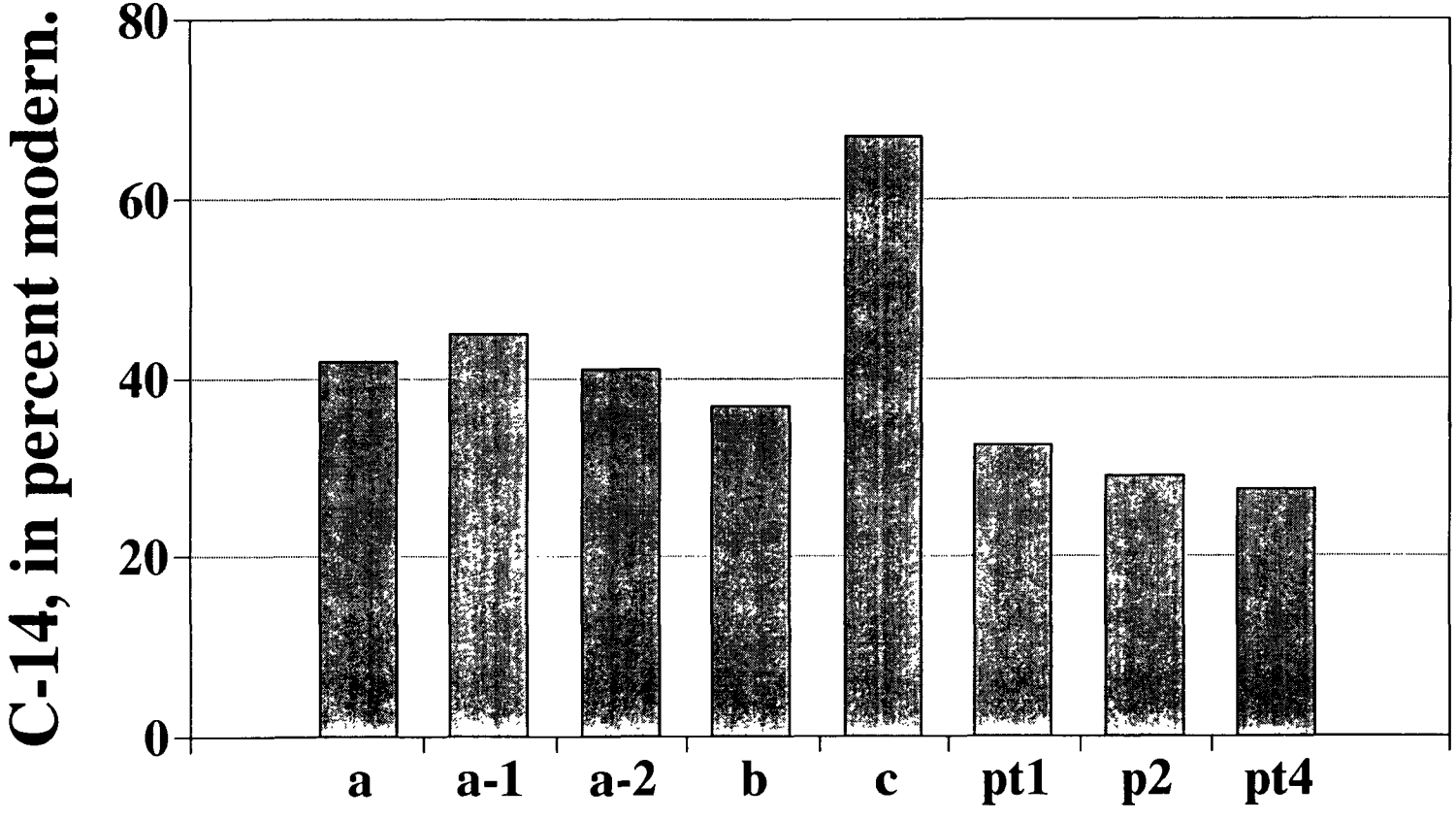
Sample	T.O.C. (mg/L)	G-1 Fluid (*) (mg/L)	pH (units)	Li (mg/L)	Bacteria (Cells/ml)
A-2	10	1 - 3	7.8		
B	12	0.5 - 1	7.8		
C	490	n.d.	8.4		
4-1	0.4 - 0.5		8.00	0.020	>40,000
"D"			~9.5 - ~10.7		
J-13	0.2		7.2	0.045	10-20

* Ethoxylated octylphenol component

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