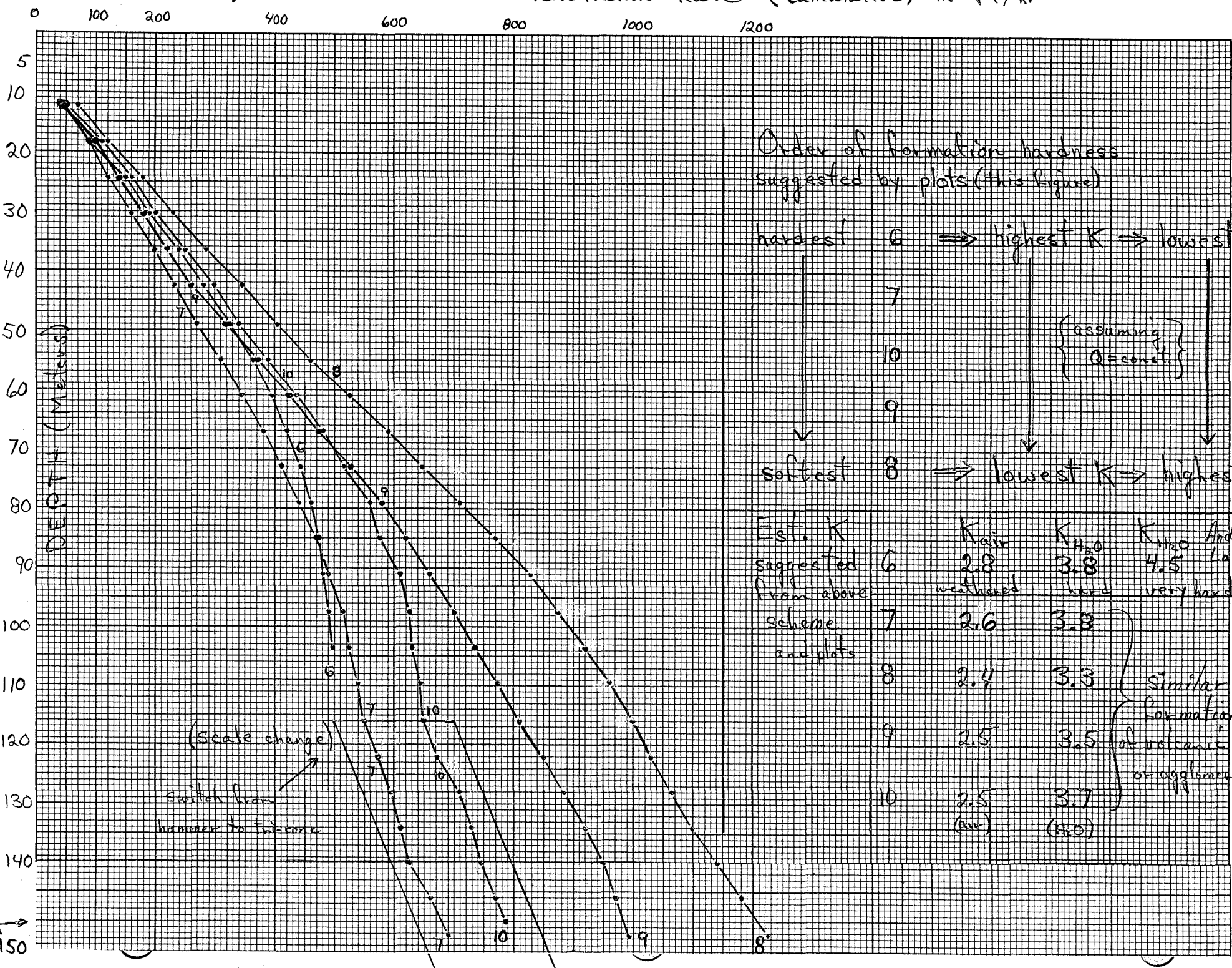


Temperature

Logging Dates

S.R.C. Hillsboro Project	1124-10	1124-6	1124-8	1124-7	1124-9
Completed	6:10 pm 1-2-85	1:30 pm 1-8-85	10:30 am 1-11-85	5:00 pm 1-25-85	4:15 pm 1-31-85
1 st temp. log	2:55 pm 1-3-85 (1 day)	1:40 pm 1-9-85 (1 day)	1:00 pm 1-15-85 (4 day)	11:05 am 1-29-85 (4 day)	1:05 pm 2-4-85 (4 day)
2 nd temp. log	3:20 pm 1-9-85 (7 day)	3:00 pm 1-22-85 (14 day)	1-23-85 (12 day)	2:05 pm 2-11-85 (17 day)	1:05 pm 2-9-85 (9 day)
3 rd temp. log	6:15 pm 2-11-85 (40 day)				
Final Temp. Log	5:20 pm 3-7-85 (64 days)	11:25 am 3-7-85 (58 days)	12:55 pm 3-7-85 (55 days)	2:35 pm 3-7-85 (41 days)	4:05 pm 3-7-85 (35 days)
Abandoned	3-14-85	3-14-85	3-14-85	3-14-85	3-14-85

Penetration Rate (cumulative) in ft/hr



Order of formation hardness suggested by plots (this figure)

hardest 6 ⇒ highest K ⇒ lowest $\frac{\Delta T}{\Delta D}$

7

10

9

softest 8 ⇒ lowest K ⇒ highest $\frac{\Delta T}{\Delta D}$

(assuming $Q = \text{const.}$)

Est. K suggested from above scheme and plots	K_{air}	K_{H_2O}	K_{H_2O}	Andesitic Lava flow
6	2.8	3.8	4.5	very hard
7	2.6	3.8		Similar formations of volcanic breccia or agglomerate
8	2.4	3.3		
9	2.5	3.5		
10	2.5 (air)	3.7 (H ₂ O)		

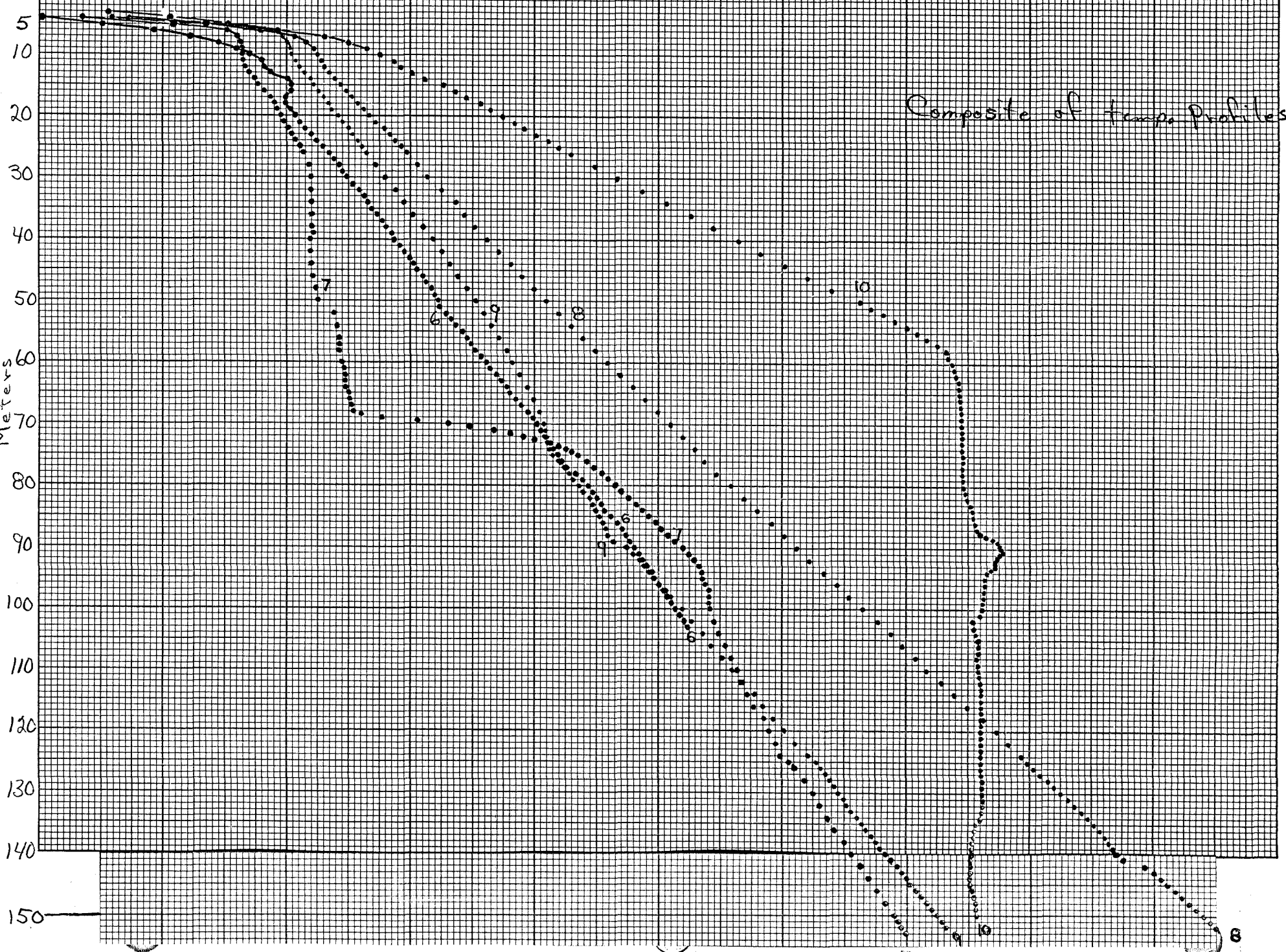
(Scale change)

Switch from hammer to turbine

Centigrade

16 18 20 22 24 26 28 30 32 34 36

Meters



Composite of temp. Profiles