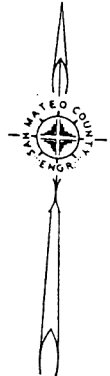


# RAINFALL RUNOFF DATA

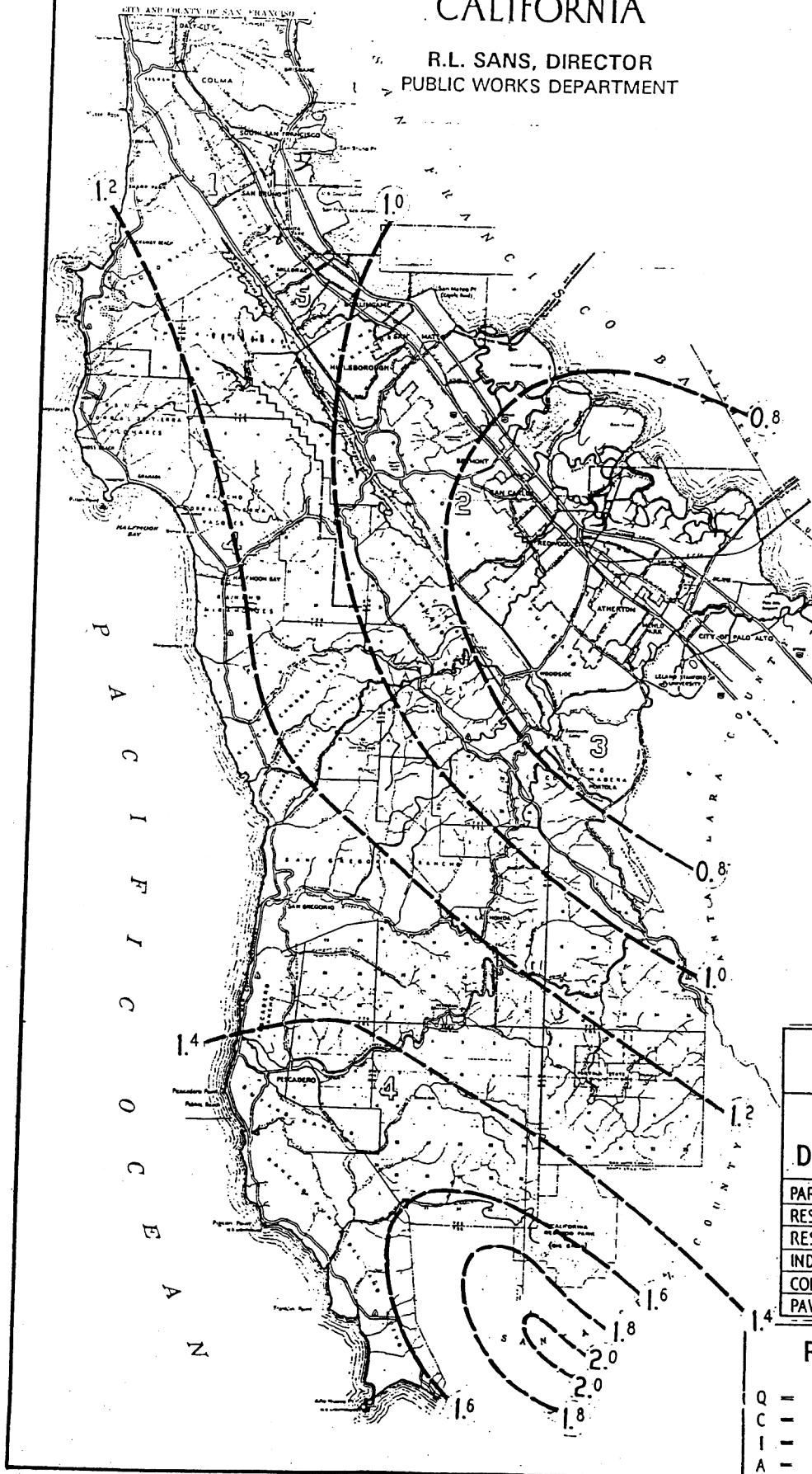
## SAN MATEO COUNTY

### CALIFORNIA

R.L. SANS, DIRECTOR  
PUBLIC WORKS DEPARTMENT



SCALE - MILES  
0 1 2 4



RAINFALL		
TIME OF CONCENTRATION	INTENSITY INCHES PER HOUR	
HRS. MIN.	10 YR.	100 YR.
0-10	2.45	3.60
0-15	2.05	3.00
0-20	1.73	2.55
0-25	1.50	2.22
0-30	1.33	1.95
0-35	1.20	1.75
0-40	1.10	1.61
0-45	1.02	1.49
0-50	0.95	1.37
0-55	0.90	1.28
1-00	0.86	1.21
1-15	0.75	1.07
1-30	0.67	0.95
1-45	0.61	0.87
2-00	0.56	0.80
2-30	0.49	0.70
3-00	0.44	0.63
3-30	0.40	0.57
4-00	0.37	0.53
4-30	0.34	0.49
5-00	0.32	0.45
6-00	0.29	0.41
7-00	0.26	0.38
8-00	0.24	0.35
9-00	0.23	0.33
10-00	0.21	0.30
12-00	0.19	0.27
24-00	0.13	0.18

RUNOFF COEFFICIENTS	
TYPE OF DEVELOPMENT	COEF.
PARKS AND CEMETERIES	0.30
RESIDENTIAL - ACRES	0.40
RESIDENTIAL - REGULAR	0.50
INDUSTRIAL	0.65
COMMERCIAL	0.75
PAVED AREAS	0.85

**RATIONAL FORMULA**  
 $Q = C \cdot I \cdot A \cdot F$   
 Q - RUNOFF - CUBIC FEET PER SECOND  
 C - RUNOFF COEFFICIENT - PERCENT  
 I - RAINFALL INTENSITY - INCHES PER HOUR  
 A - DRAINAGE AREA - ACRES  
 F - INTENSITY FACTOR (FROM MAP)

Dr. 22-1846