

**Problem 26**  
**Flood Frequency Analysis for Ralston Creek at Iowa City**

[a] 3 pts

Q (cfs)	Plot	Q (cfs)	Plot
2200	0.0156	370	0.5156
1760	0.0313	337	0.5313
1690	0.0469	328	0.5469
1250	0.0625	322	0.5625
1230	0.0781	312	0.5781
1200	0.0938	296	0.5938
1060	0.1094	268	0.6094
1040	0.1250	266	0.6250
1000	0.1406	254	0.6406
984	0.1563	252	0.6563
960	0.1719	249	0.6719
905	0.1875	223	0.6875
824	0.2031	220	0.7031
800	0.2188	193	0.7188
764	0.2344	187	0.7344
755	0.2500	175	0.7500
662	0.2656	174	0.7656
570	0.2813	167	0.7813
558	0.2969	166	0.7969
554	0.3125	160	0.8125
550	0.3281	158	0.8281
547	0.3438	155	0.8438
533	0.3594	151	0.8594
522	0.3750	125	0.8750
466	0.3906	122	0.8906
465	0.4063	113	0.9063
448	0.4219	107	0.9219
408	0.4375	87	0.9375
396	0.4531	79.1	0.9531
383	0.4688	60	0.9688
379	0.4844	40	0.9844
373	0.5000		

[b] 4 pts

b =   
a =

[d] 2 pts

T (PP) =  years

T =  years

[c] 3 pts

T(year)	Q(cfs)
2	440
5	836
10	1098
25	1429
50	1675
100	1919
200	2162
500	2483

[e] 2 pts

### North Branch Ralston Creek

