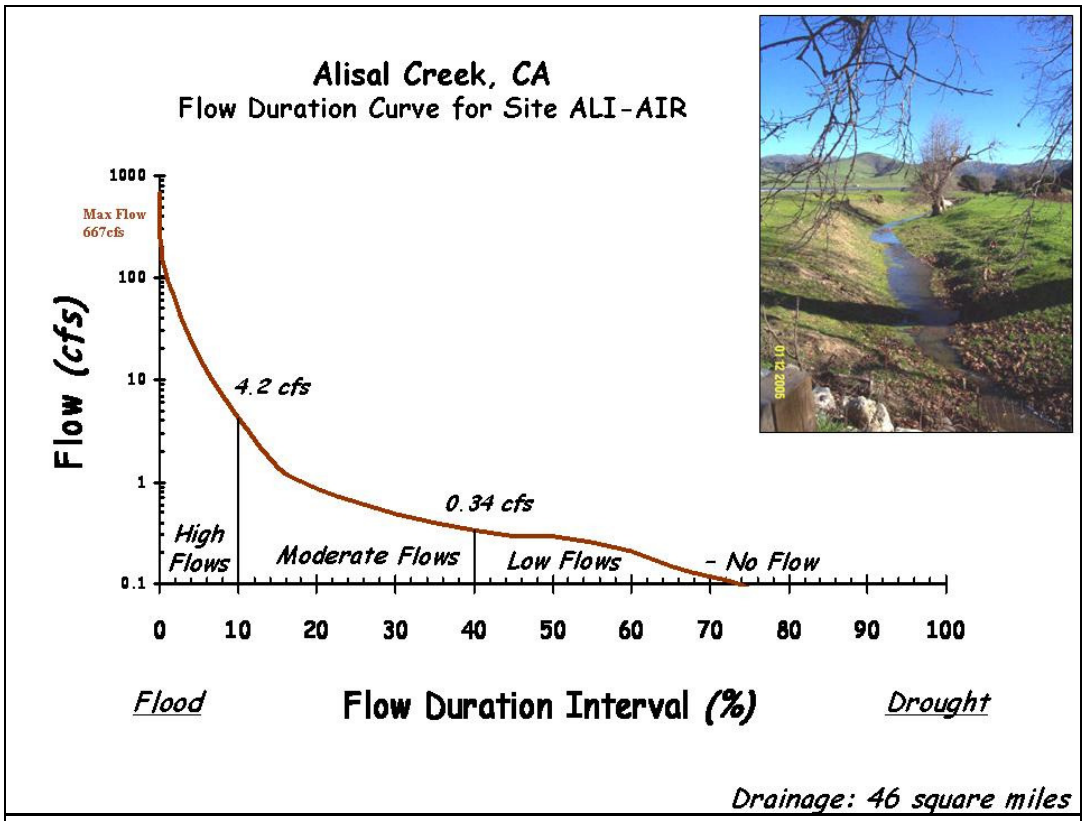
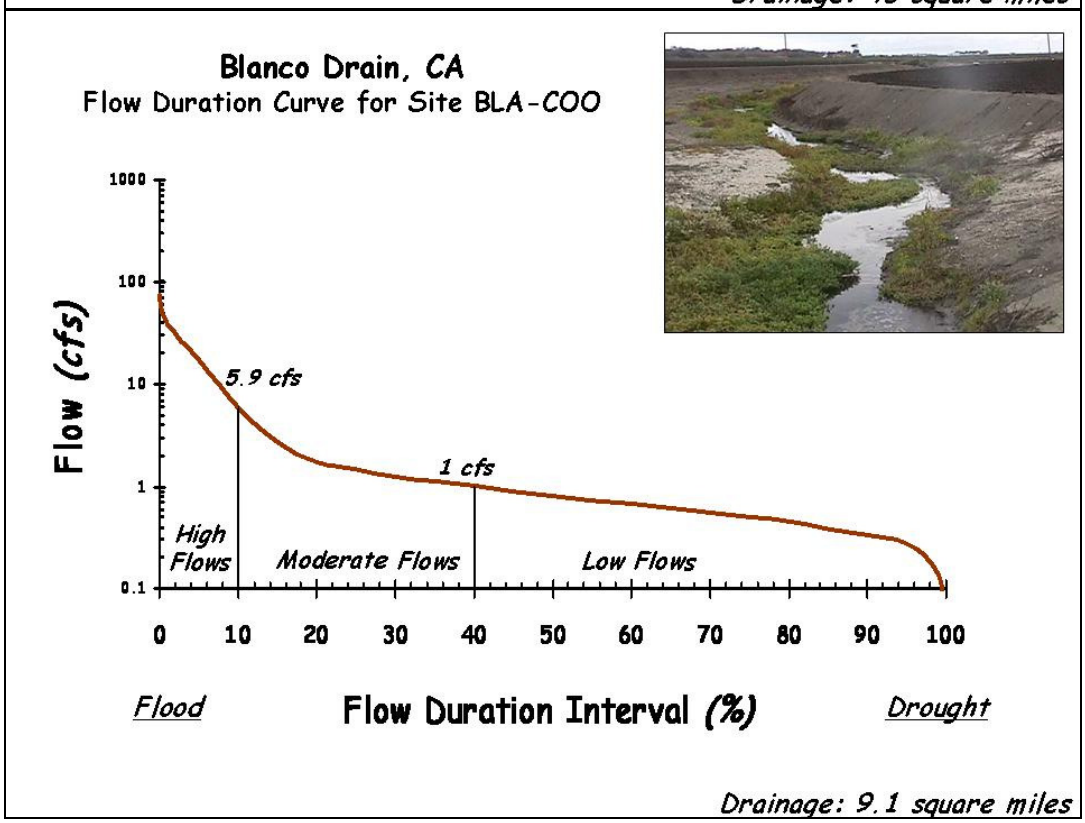
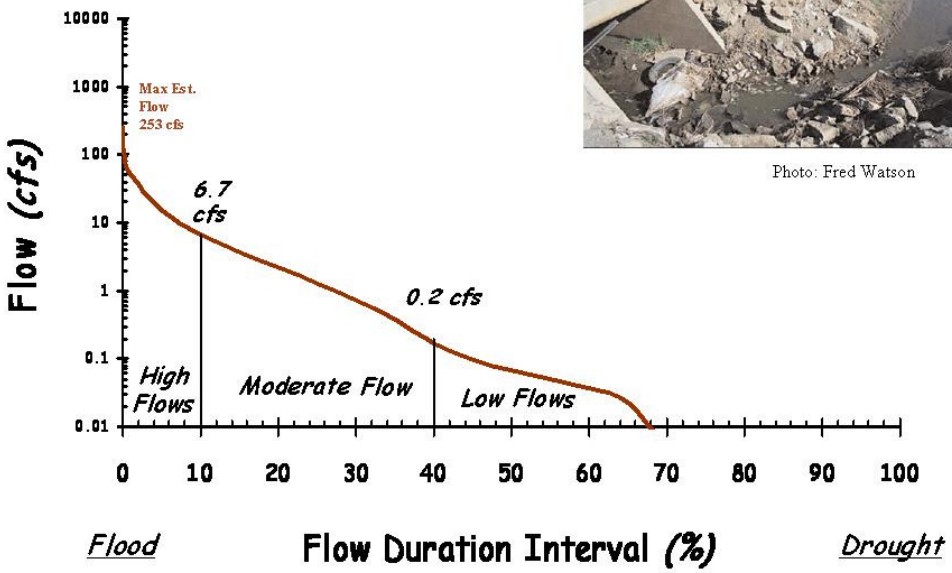
APPENDIX H: FLOW DURATION CURVES





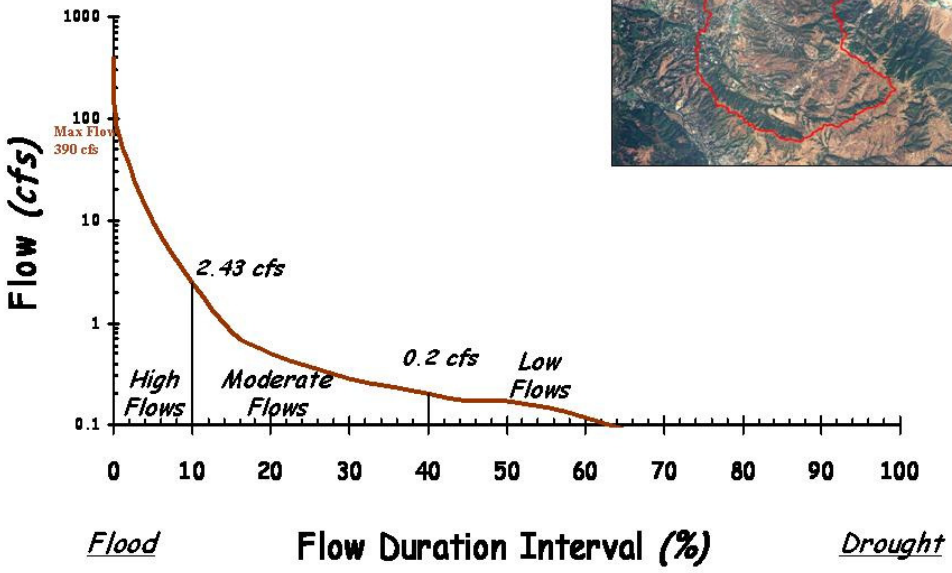
Chualar Creek, CA
Flow Duration Curve for Site CHU-CCR

Photo: Fred Watson



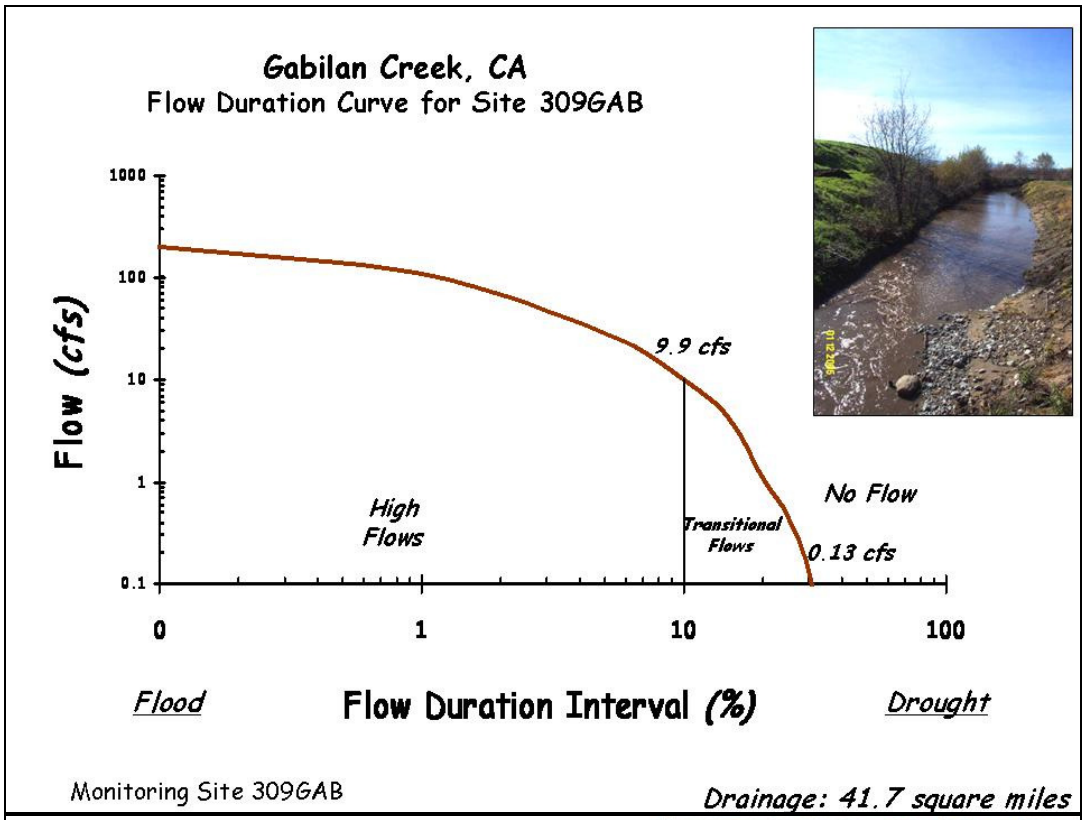
Drainage: 46.7 square miles

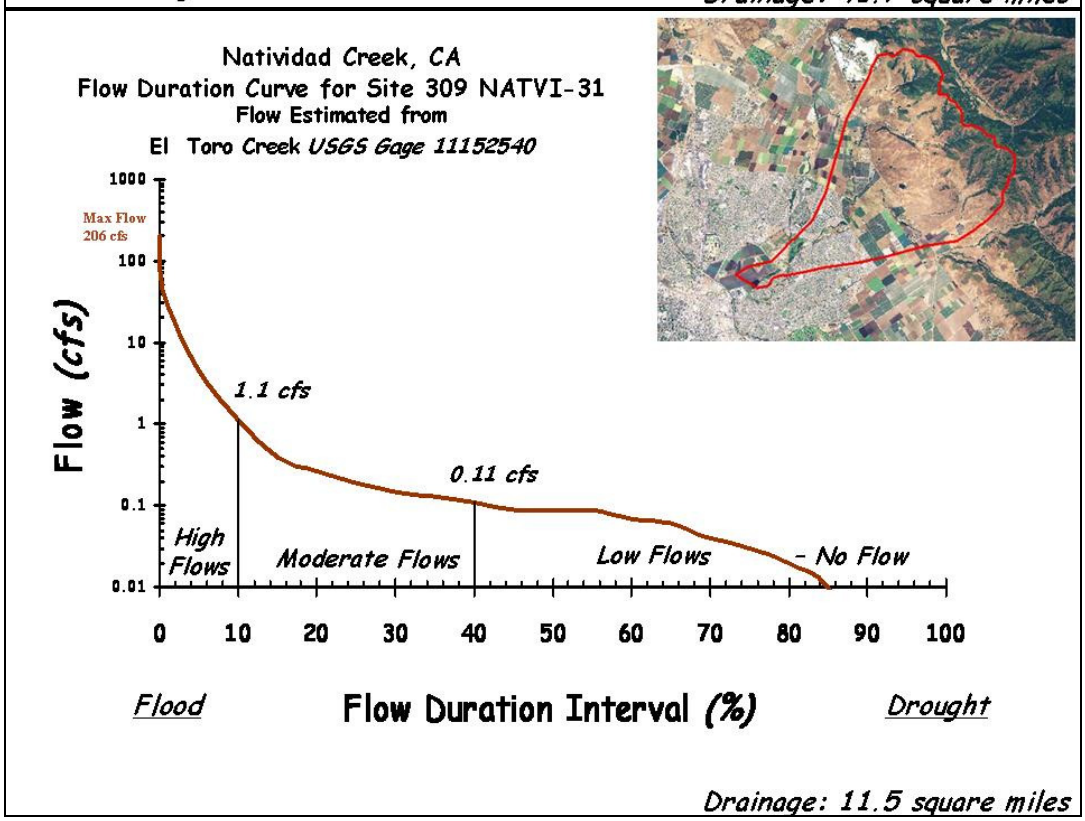
El Toro Creek near Spreckels, CA
Flow Duration Curve
USGS Gage: 11152540

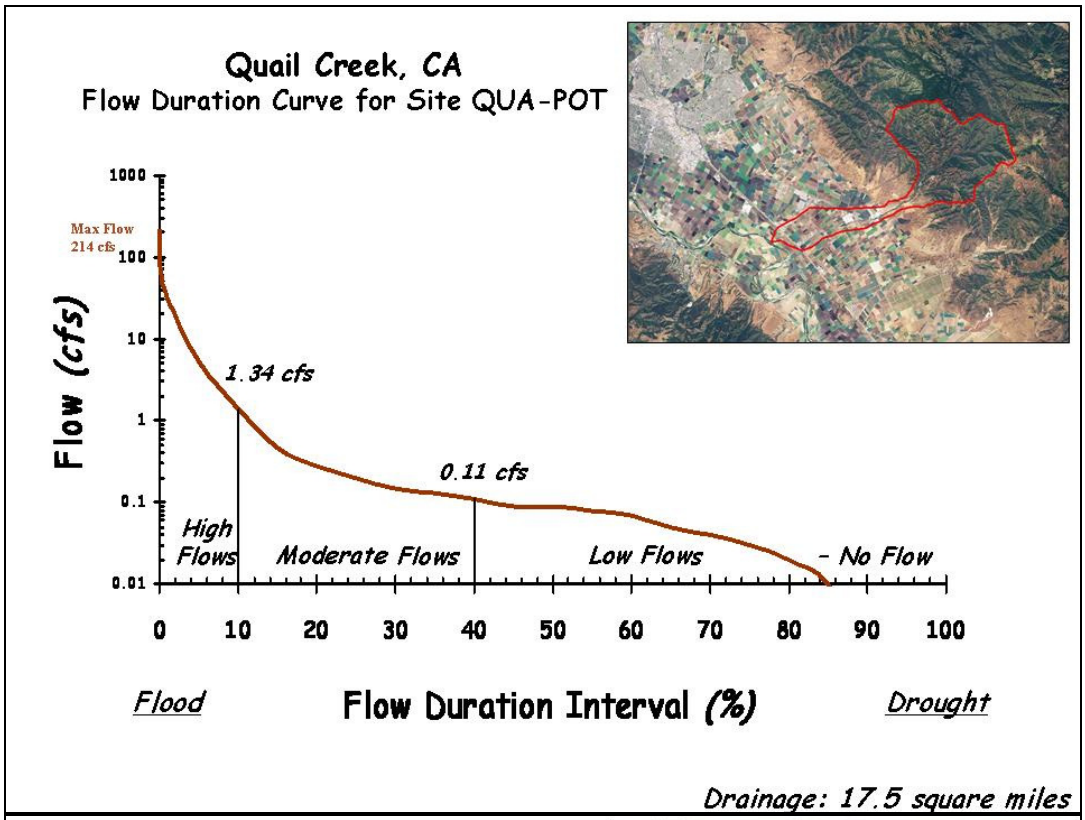


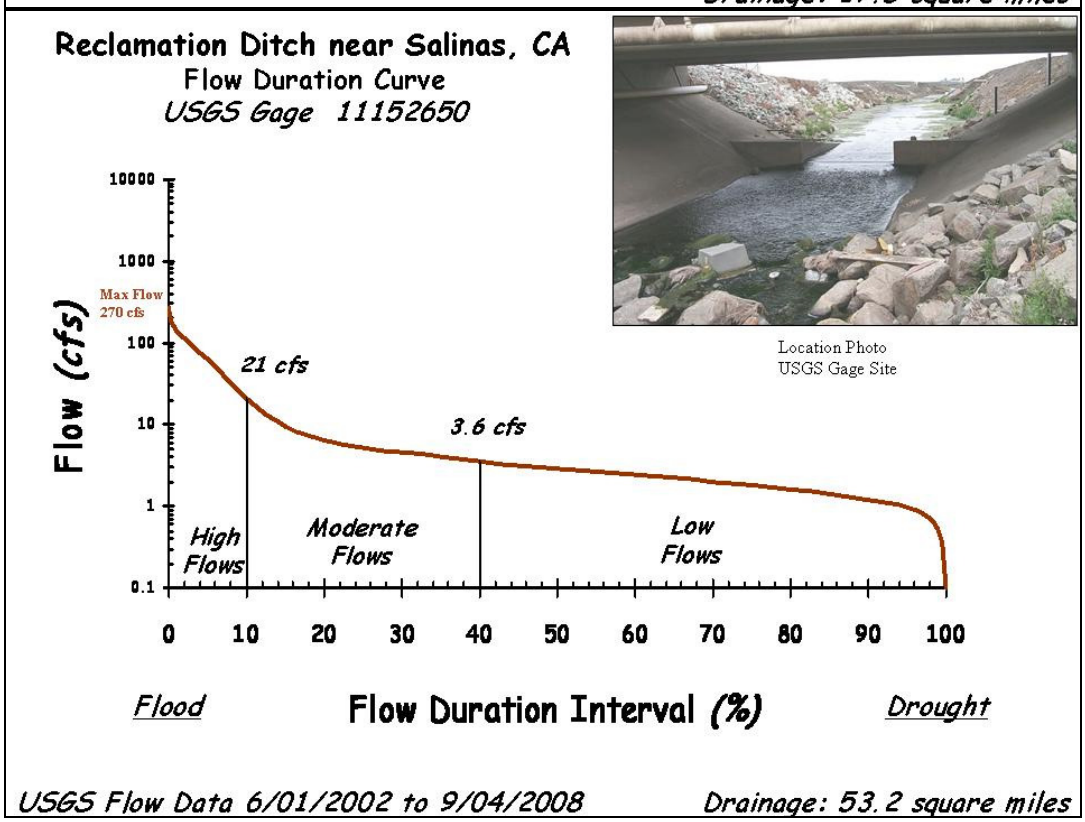
USGS Flow Data 6/01/1980 to 12/30/2006

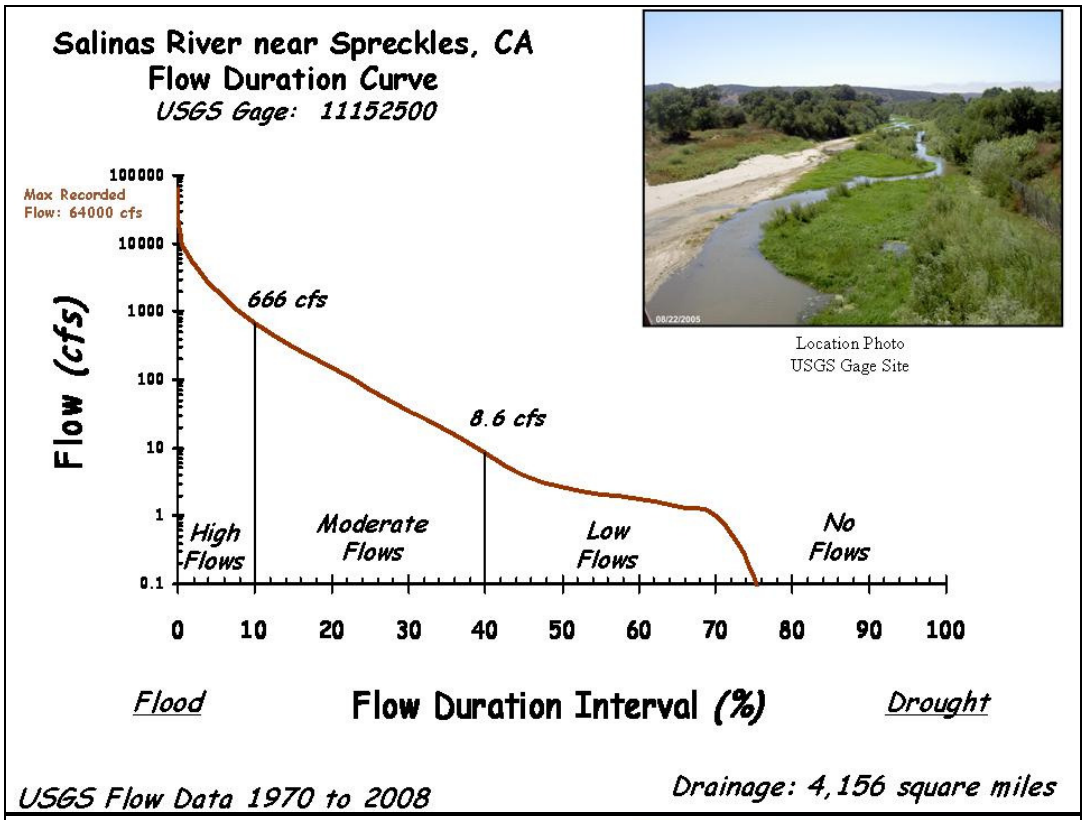
Drainage: 31.9 square miles

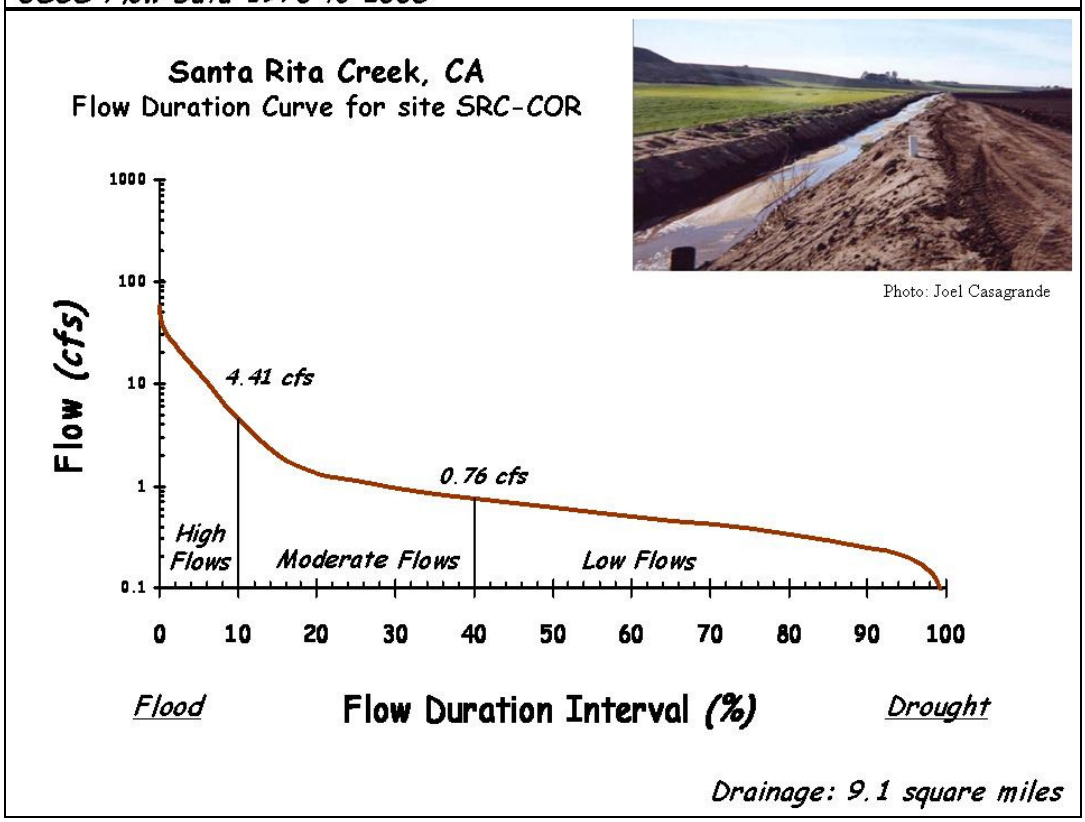

Gabilan Creek, CA
Flow Duration Curve for Site 309GAB
Flow (cfs)
1000
100
10
1
0.1
9.9 cfs
High Flows
Transitional Flows
No Flow
0.13 cfs
0
1
10
100
Flood
Flow Duration Interval (%)
Drought
Monitoring Site 309GAB
Drainage: 41.7 square miles


Natividad Creek, CA
Flow Duration Curve for Site 309 NATVI-31
Flow Estimated from
El Toro Creek USGS Gage 11152540
Max Flow 206 cfs
Flow (cfs)
1000
100
10
1
0.1
0.01
1.1 cfs
0.11 cfs
High Flows
Moderate Flows
Low Flows
No Flow
0
10
20
30
40
50
60
70
80
90
100
Flood
Flow Duration Interval (%)
Drought
Drainage: 11.5 square miles

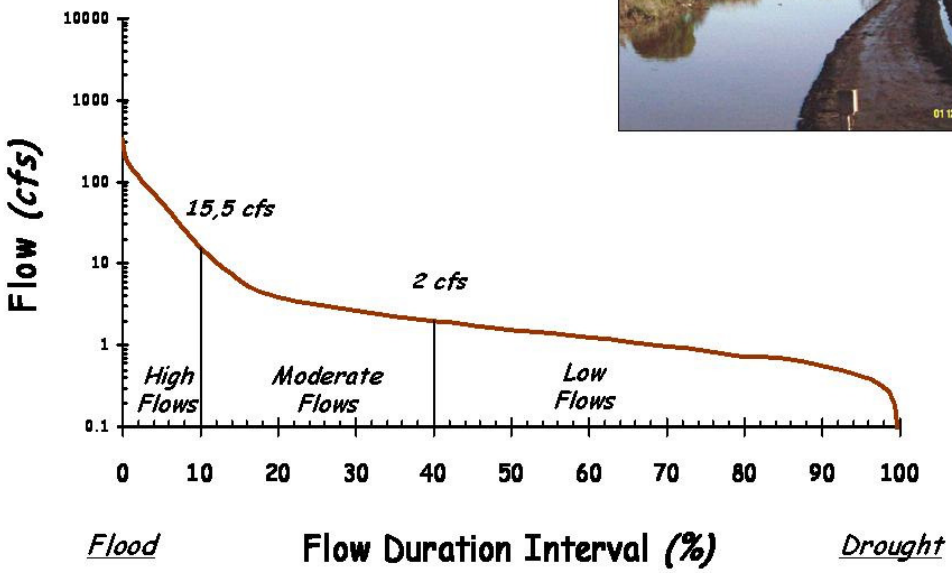

Quail Creek, CA
Flow Duration Curve for Site QUA-POT
Max Flow
214 cfs
1.34 cfs
0.11 cfs
High Flows
Moderate Flows
Low Flows
- No Flow
Flow (cfs)
1000
100
10
1
0.1
0.01
0
10
20
30
40
50
60
70
80
90
100
Flood
Flow Duration Interval (%)
Drought
Drainage: 17.5 square miles


Reclamation Ditch near Salinas, CA
Flow Duration Curve
USGS Gage 11152650
Location Photo
USGS Gage Site
Max Flow
270 cfs
21 cfs
3.6 cfs
High Flows
Moderate Flows
Low Flows
Flow (cfs)
10000
1000
100
10
1
0.1
0
10
20
30
40
50
60
70
80
90
100
Flood
Flow Duration Interval (%)
Drought
USGS Flow Data 6/01/2002 to 9/04/2008
Drainage: 53.2 square miles


Salinas River near Spreckles, CA
Flow Duration Curve
USGS Gage: 11152500
Max Recorded Flow: 64000 cfs
666 cfs
8.6 cfs
High Flows
Moderate Flows
Low Flows
No Flows
Flow (cfs)
100000
10000
1000
100
10
1
0.1
0
10
20
30
40
50
60
70
80
90
100
Flood
Flow Duration Interval (%)
Drought
Location Photo
USGS Gage Site
USGS Flow Data 1970 to 2008
Drainage: 4,156 square miles

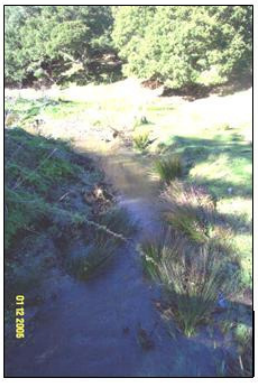

Santa Rita Creek, CA
Flow Duration Curve for site SRC-COR
4.41 cfs
0.76 cfs
High Flows
Moderate Flows
Low Flows
Flow (cfs)
1000
100
10
1
0.1
0
10
20
30
40
50
60
70
80
90
100
Flood
Flow Duration Interval (%)
Drought
Photo: Joel Casagrande
Drainage: 9.1 square miles

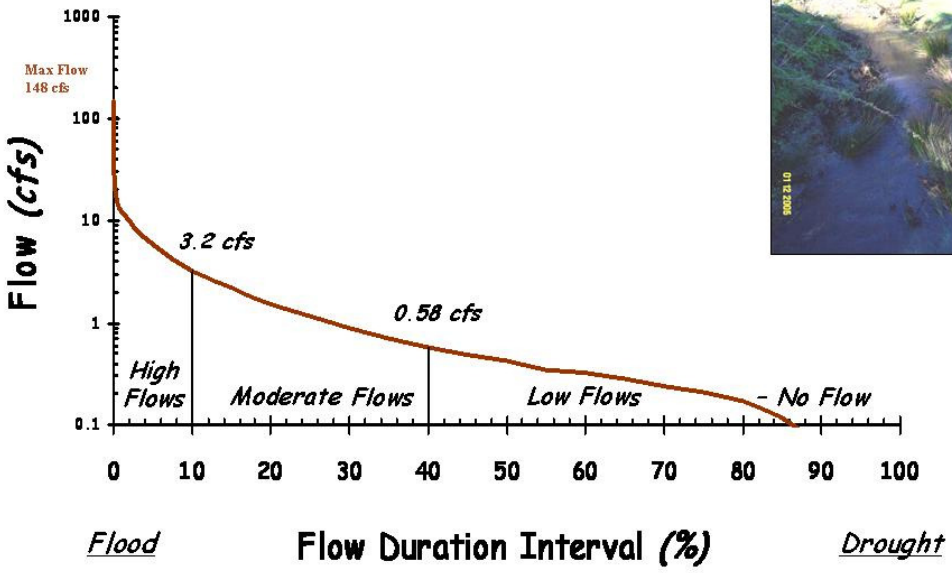
Tembladero Slough near Castroville, CA
Flow Duration Curve for Site TEM-PRE

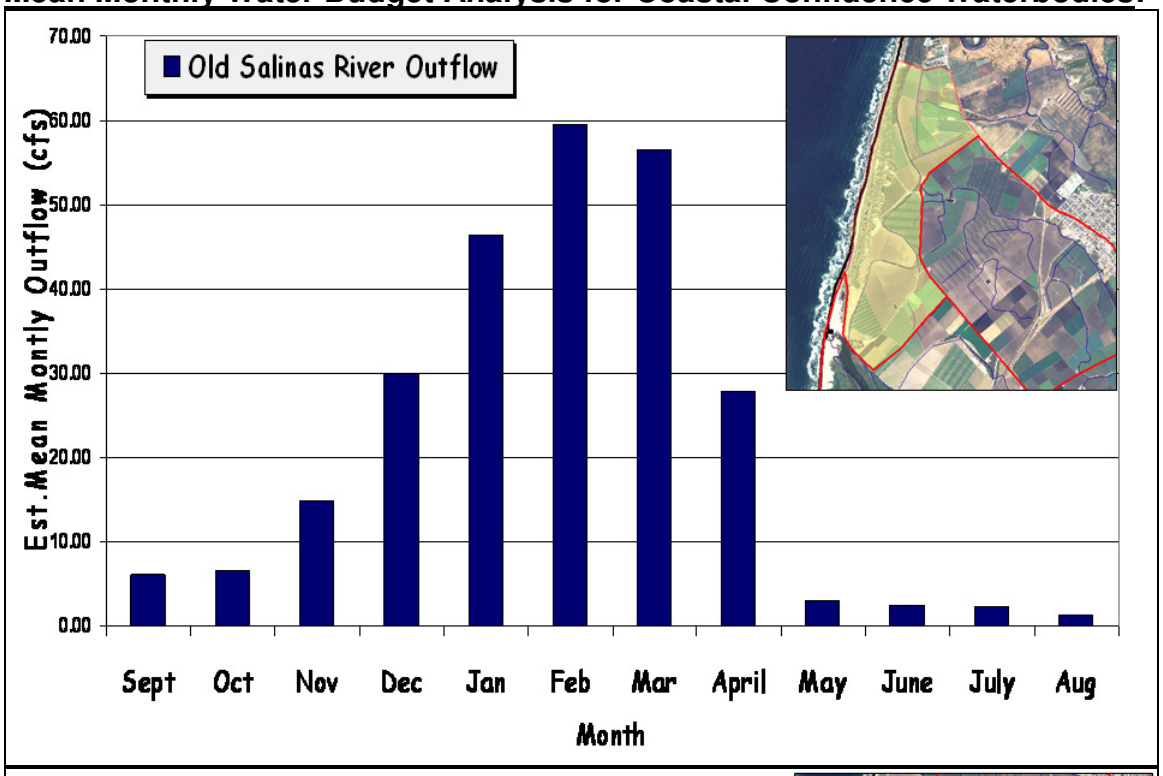
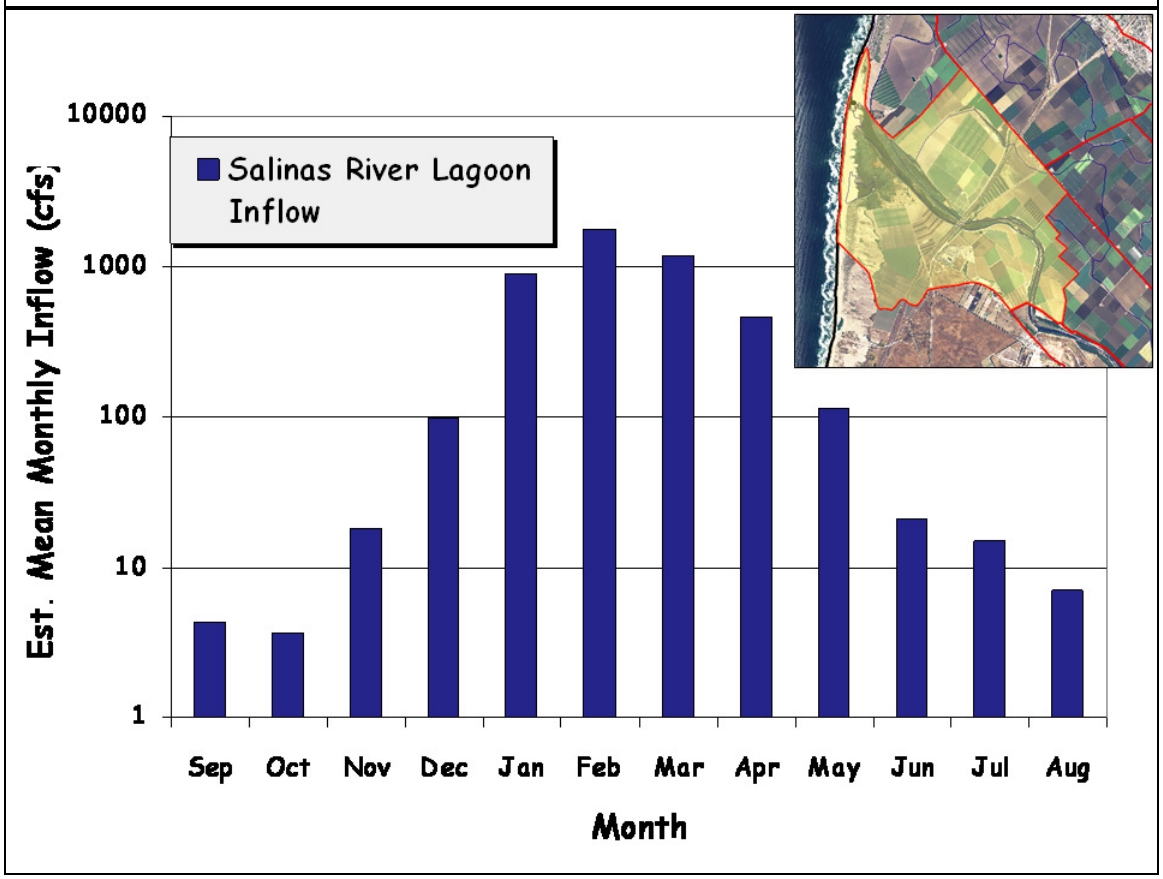


Estimated Flow Data 6/01/2002 to 9/04/2008 *Drainage: 23.7 square miles*

Towne Creek, CA
Flow Duration Curve for Site TOW-OSR#1





Drainage: 4 square miles

Mean Monthly Water Budget Analysis for Coastal Confluence Waterbodies: