



Flow Frequency Analysis
 Time Series File:pre.tsf
 Project Location:Sea-Tac

| ---Annual Peak Flow Rates--- | | | | -----Flow Frequency Analysis----- | | | |
|------------------------------|------|---------------|--|-----------------------------------|------|------------------|-------|
| Flow Rate (CFS) | Rank | Time of Peak | | - - Peaks - - (CFS) | Rank | Return Period | Prob |
| 0.054 | 2 | 2/09/01 18:00 | | 0.069 | 1 | 100.00 | 0.990 |
| 0.015 | 7 | 1/06/02 3:00 | | 0.054 | 2 | 25.00 | 0.960 |
| 0.040 | 4 | 2/28/03 3:00 | | 0.041 | 3 | 10.00 | 0.900 |
| 0.002 | 8 | 3/24/04 20:00 | | 0.040 | 4 | 5.00 | 0.800 |
| 0.024 | 6 | 1/05/05 8:00 | | 0.035 | 5 | 3.00 | 0.667 |
| 0.041 | 3 | 1/18/06 20:00 | | 0.024 | 6 | 2.00 | 0.500 |
| 0.035 | 5 | 11/24/06 4:00 | | 0.015 | 7 | 1.30 | 0.231 |
| 0.069 | 1 | 1/09/08 9:00 | | 0.002 | 8 | 1.10 | 0.091 |
| Computed Peaks | | | | 0.064 | | 50.00 | 0.980 |

Offsite development

The project proposes to add concrete curb and sidewalk to the frontage improvements. The proposed curb will be located at the edge of existing pavement. No widening of the existing roadway is proposed and the existing pavement will be a grind and overlay only. The overlay of existing pavement is classified as a roadway maintenance operation and not new construction. The pre-developed condition of the roadway is considered paved (impervious), and as such the overlay pavement is not considered new impervious surface.

The only new impervious surface proposed within the frontage improvements is concrete curb and sidewalk. The total is 1970 square feet (0.045 acres) of new impervious area for flow control. Existing condition assume forest condition.