



# Tallapoosa River

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## Monthly Frequency Analysis of Martin Inflows



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- Requested by stakeholders.
- Assess risk of 100 year flood for each months.
- Report will be submitted to FERC.
- Address higher winter pool alternatives.



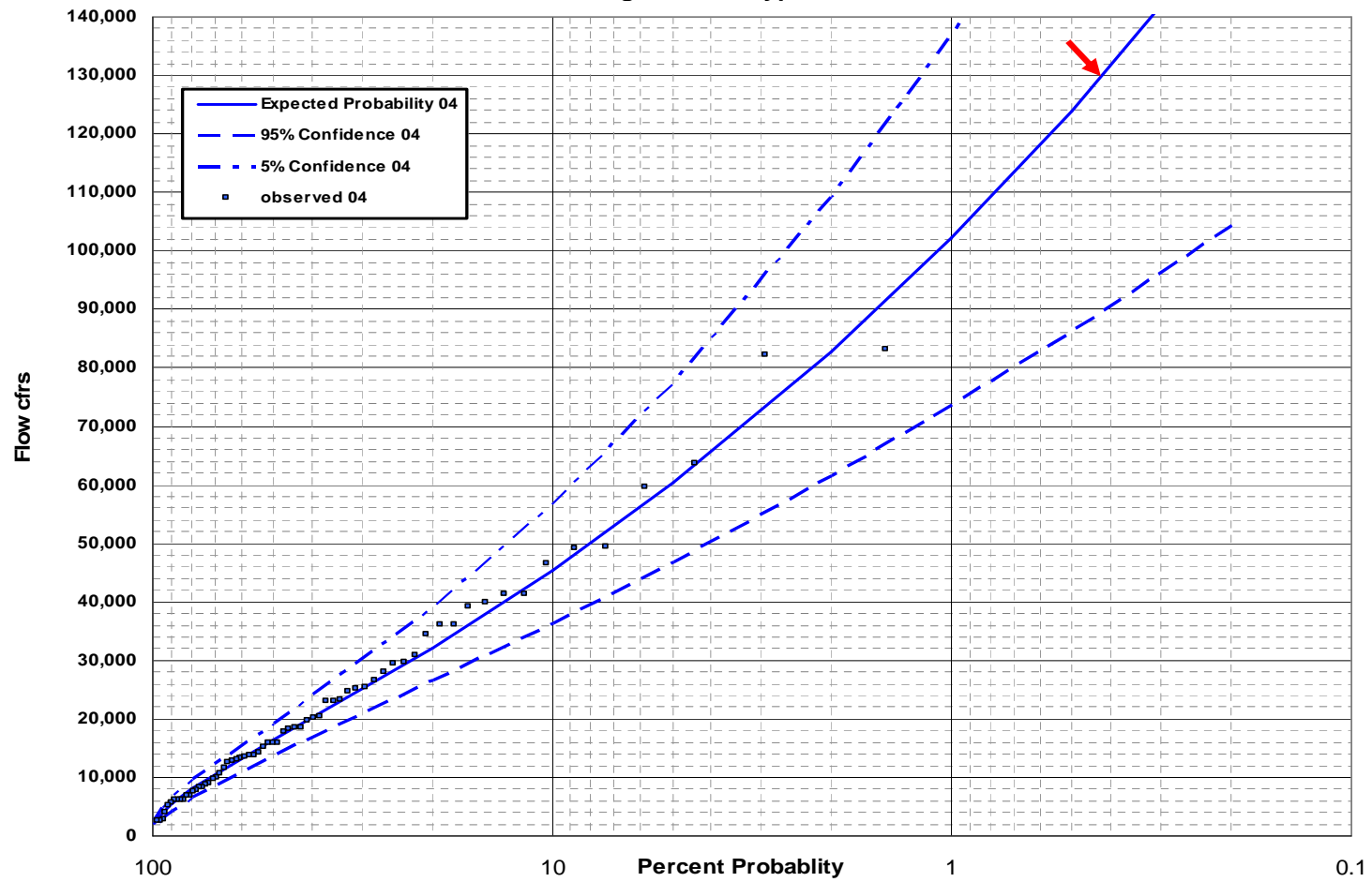
# Monthly Frequency Analysis of Martin Inflows



- COE Unimpaired Data Set (unsmoothed)
  - Period of Record 1939 – 2004 (66 yrs)
- Select peak flow for a each month.
- HEC-SSP version 1.1
  - Log Pearson Type III
  - Station Skew
- Determine Risk of 100 yr Flood
  - All 12 months Jan – Dec.

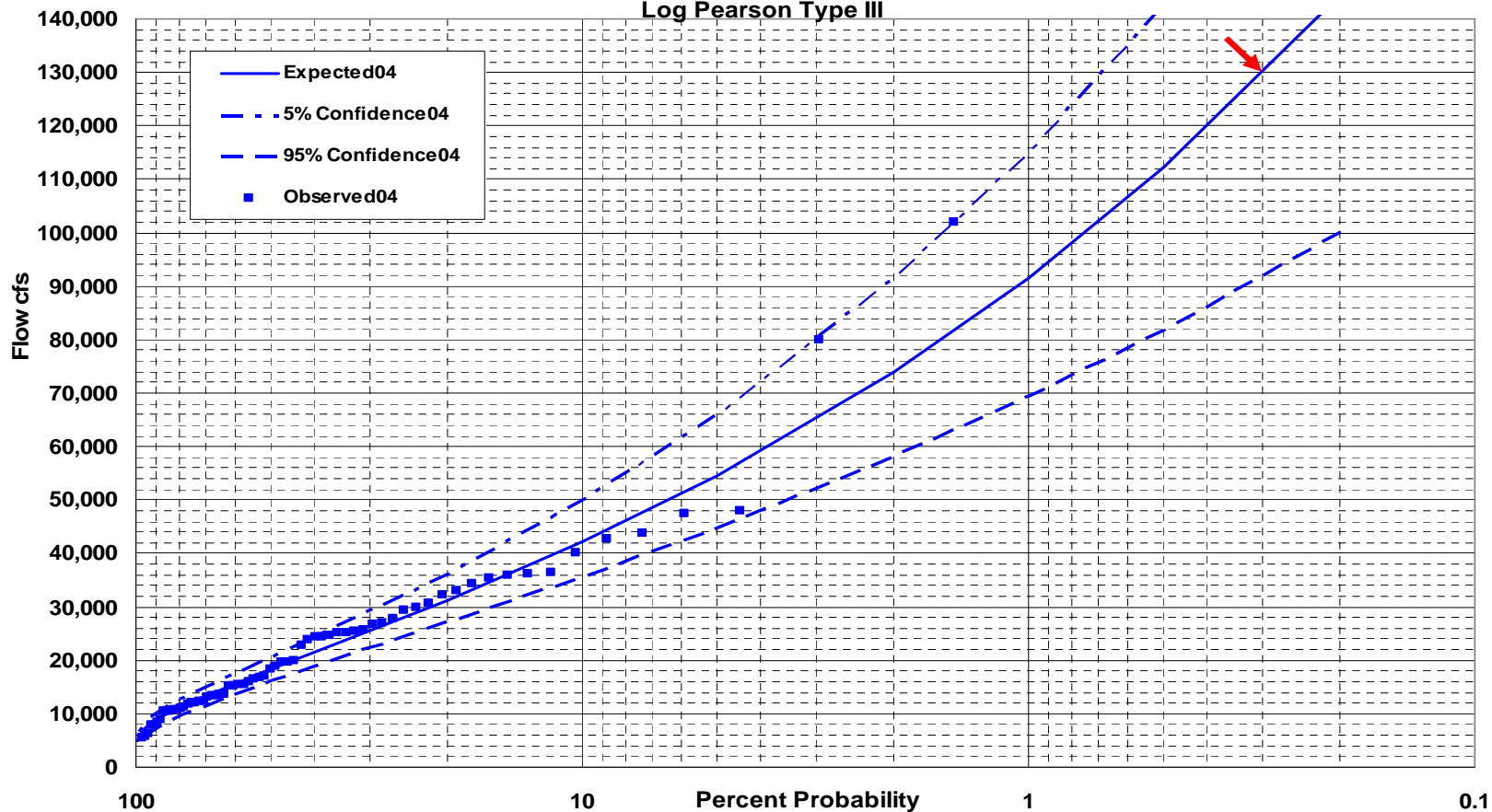
# January Frequency Analysis

## Log Pearson Type III



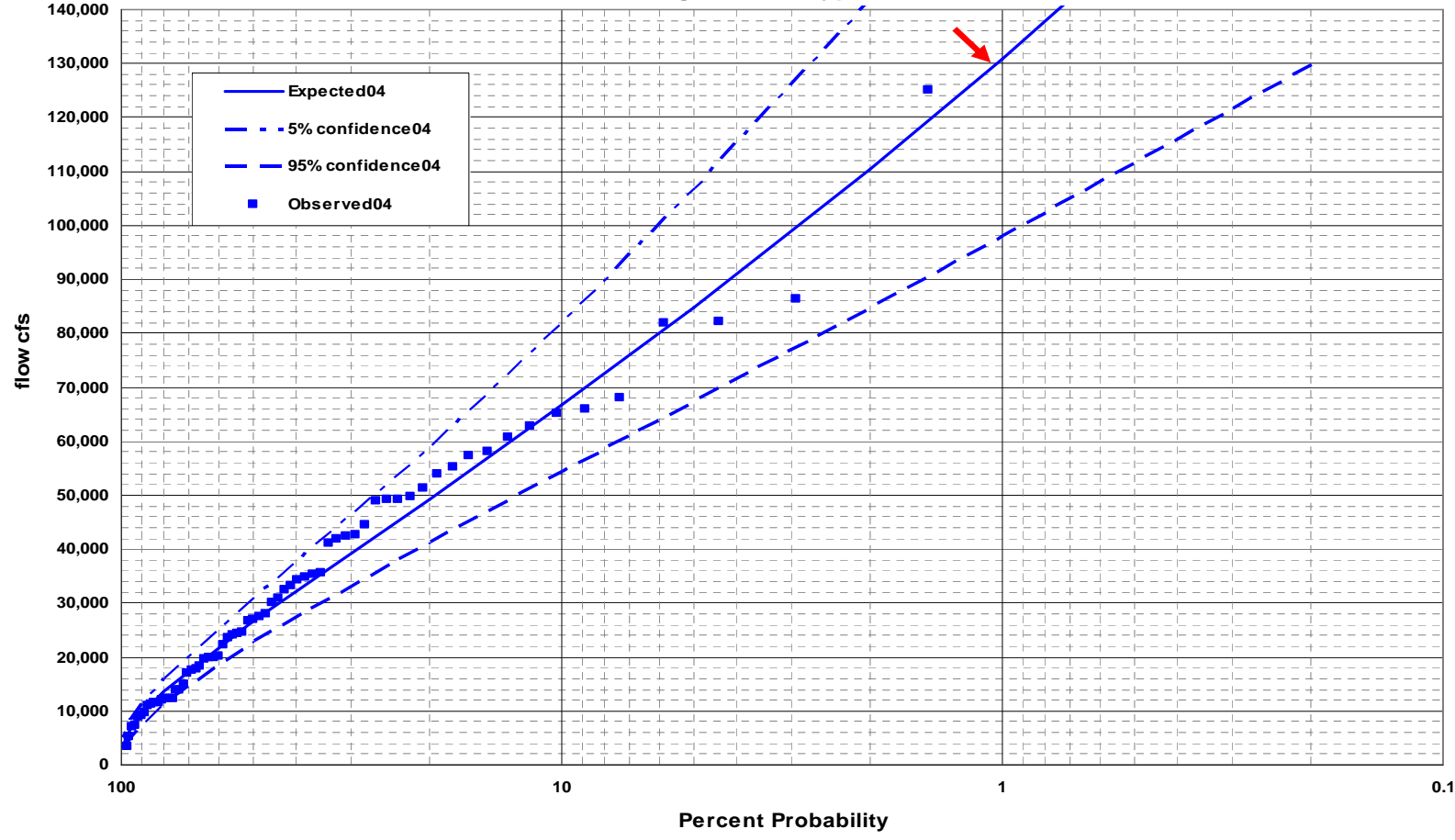
# Feburary Freq. Analysis

Log Pearson Type III



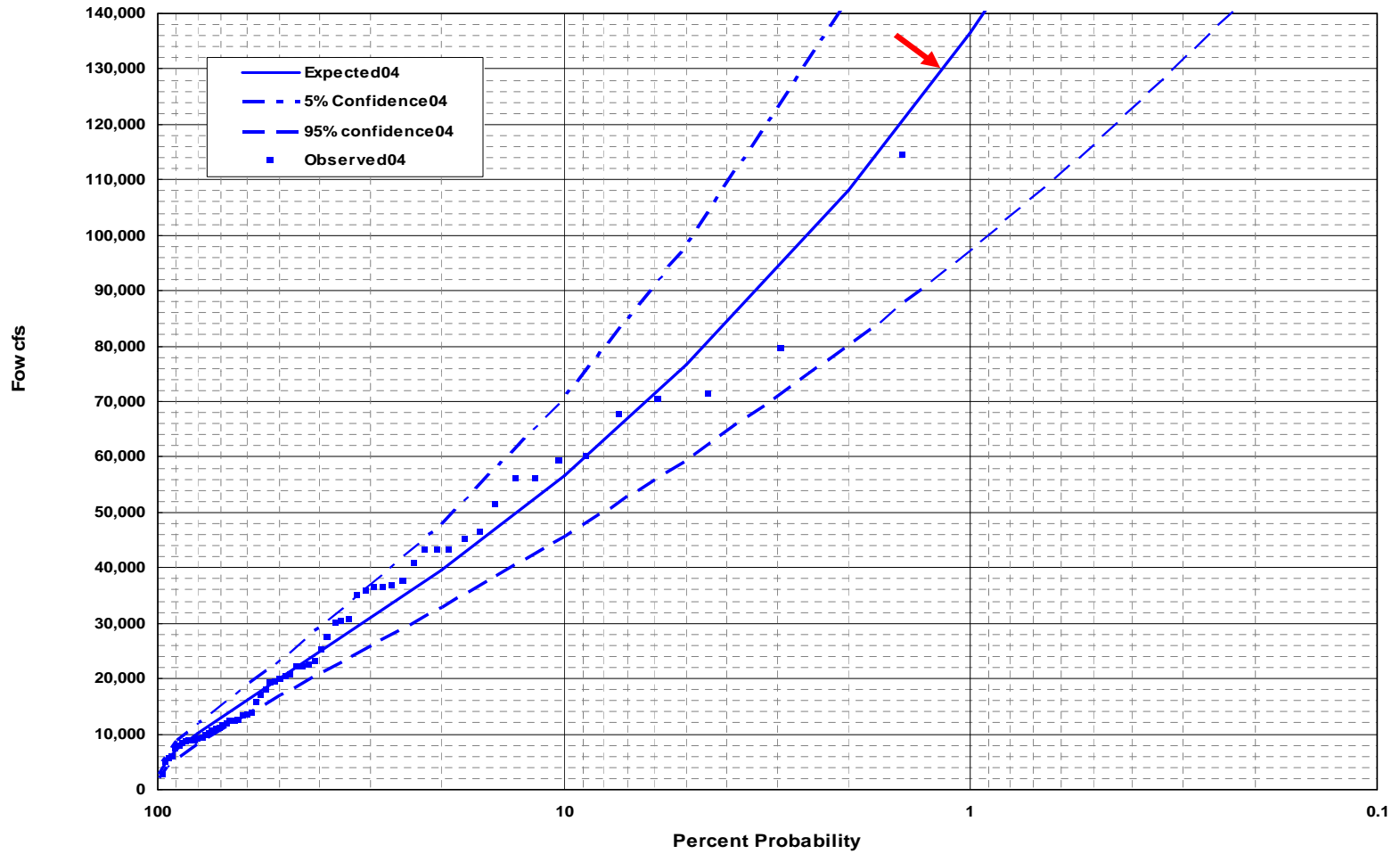
# March Frequency Analysis

Log Pearson Type III



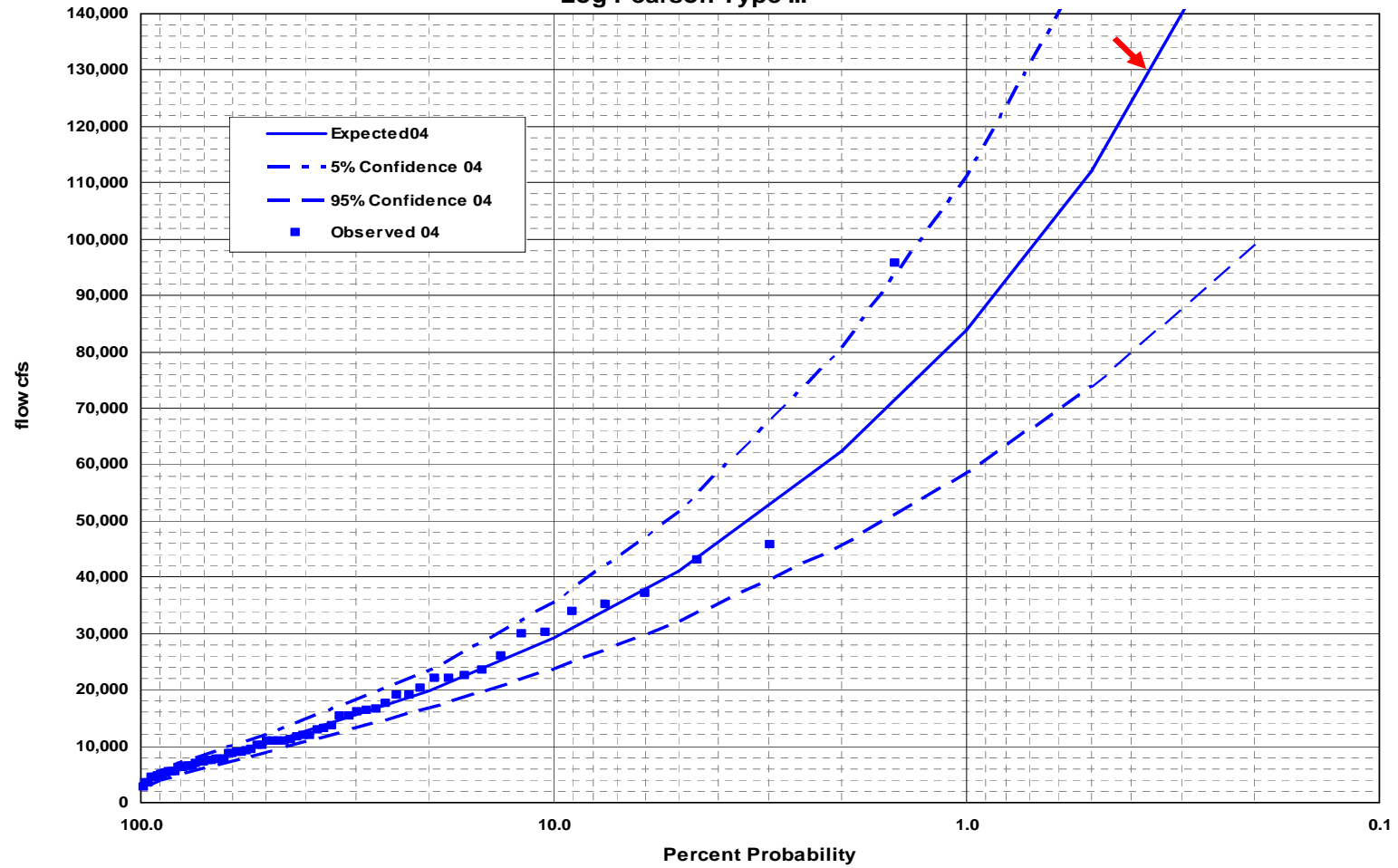
# April Frequency Analysis

## Log Pearson Type III



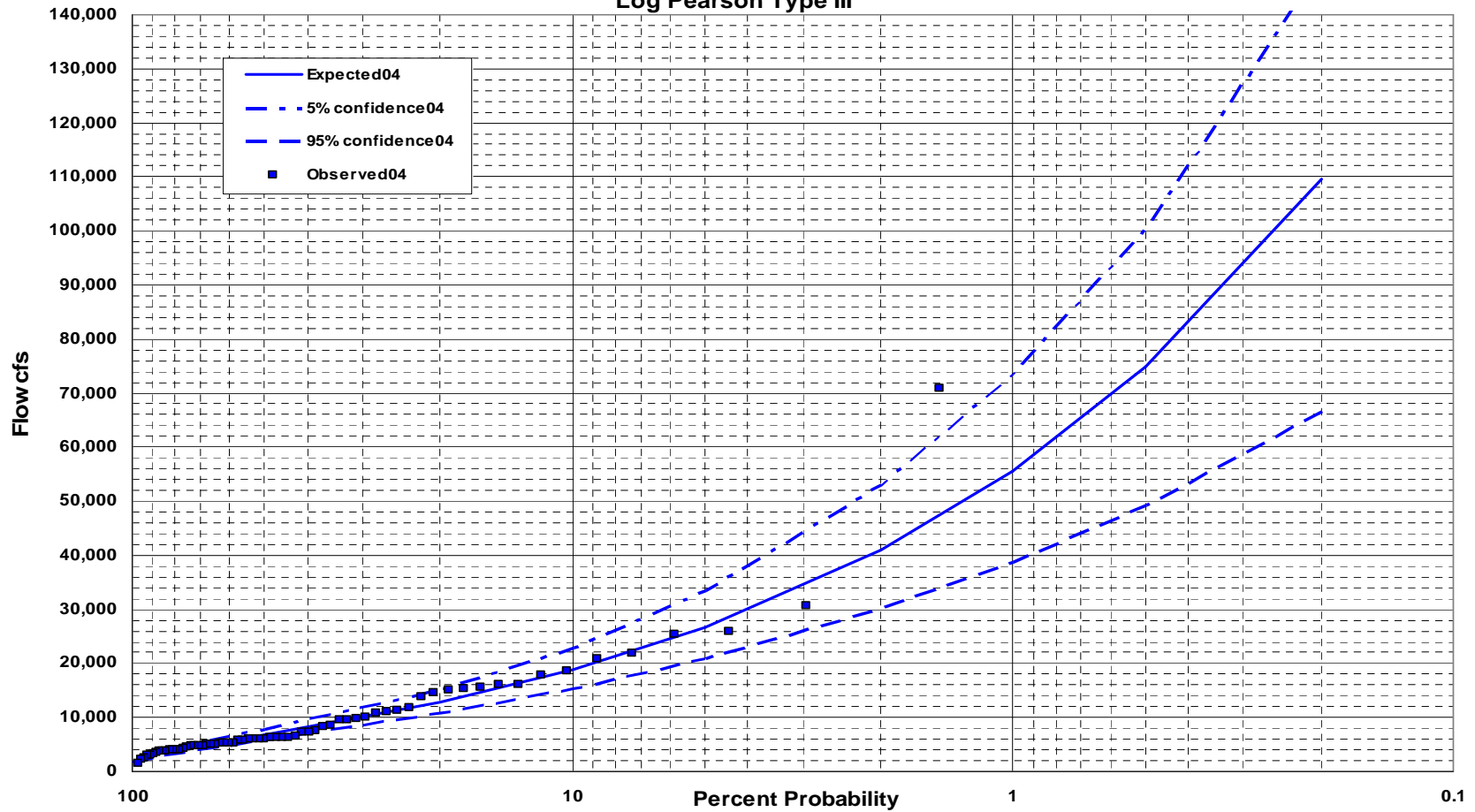
# May Frequency Analysis

Log Pearson Type III



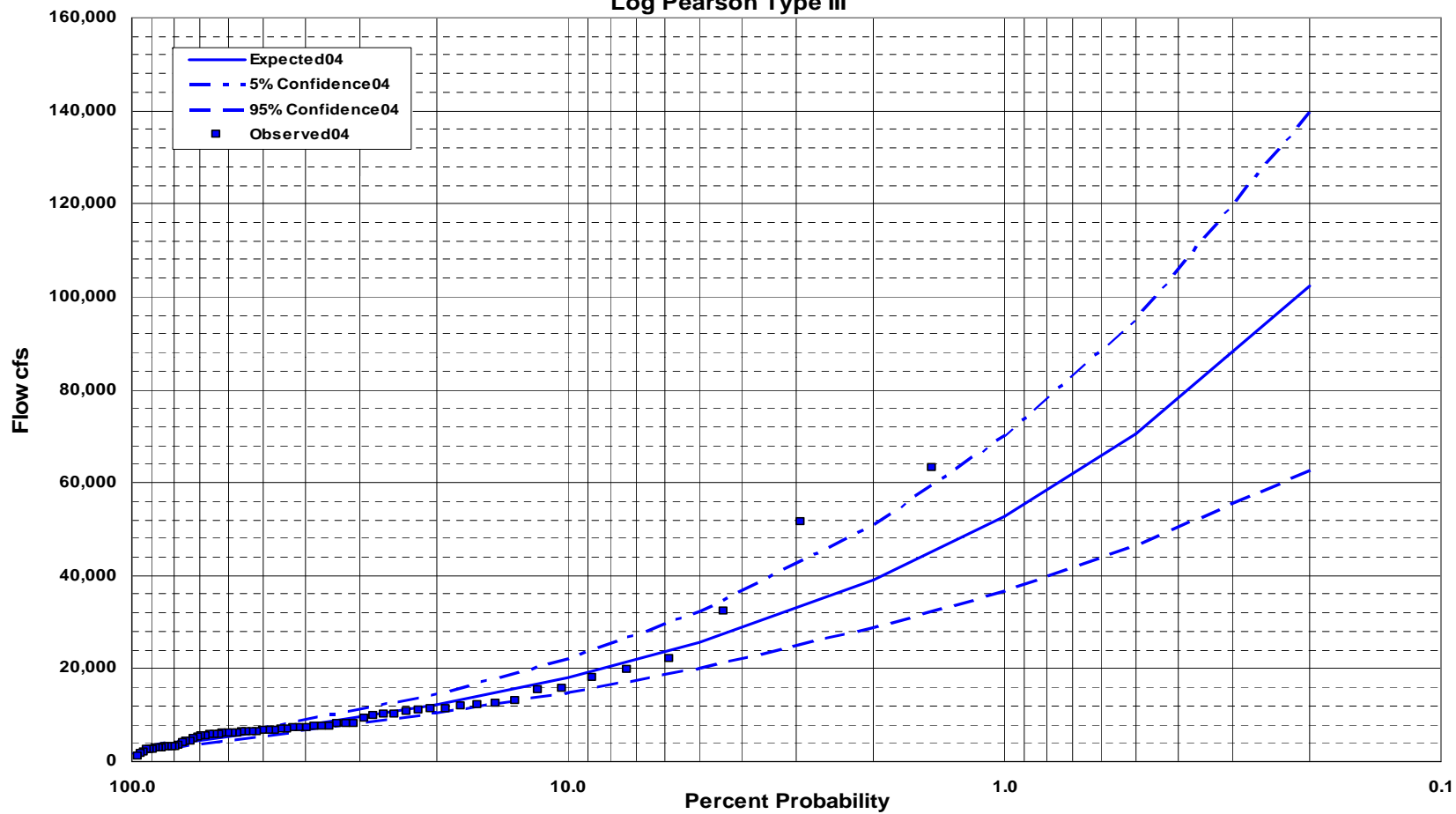
# June Frequency Analysis

Log Pearson Type III



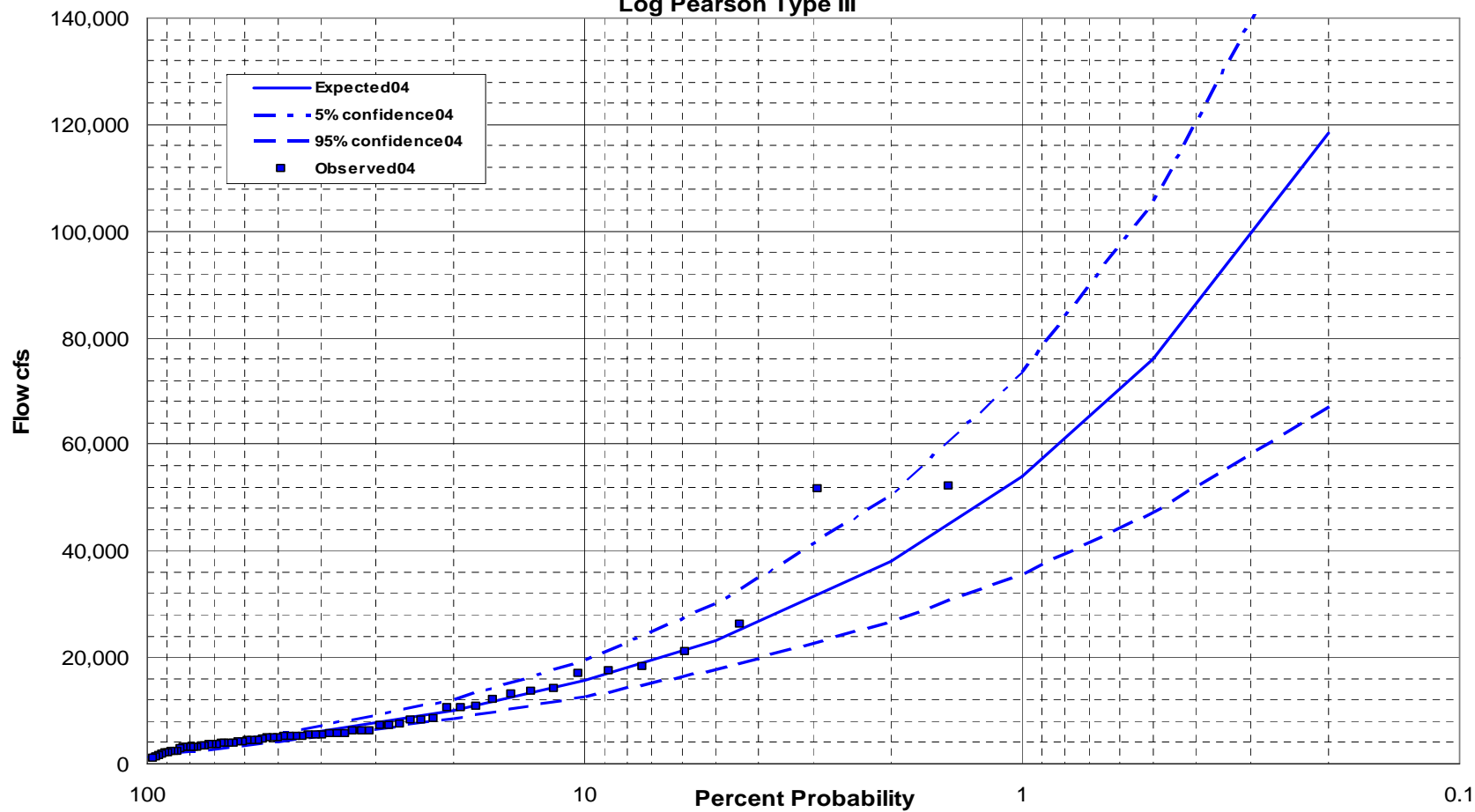
# July Frequency Analysis

Log Pearson Type III



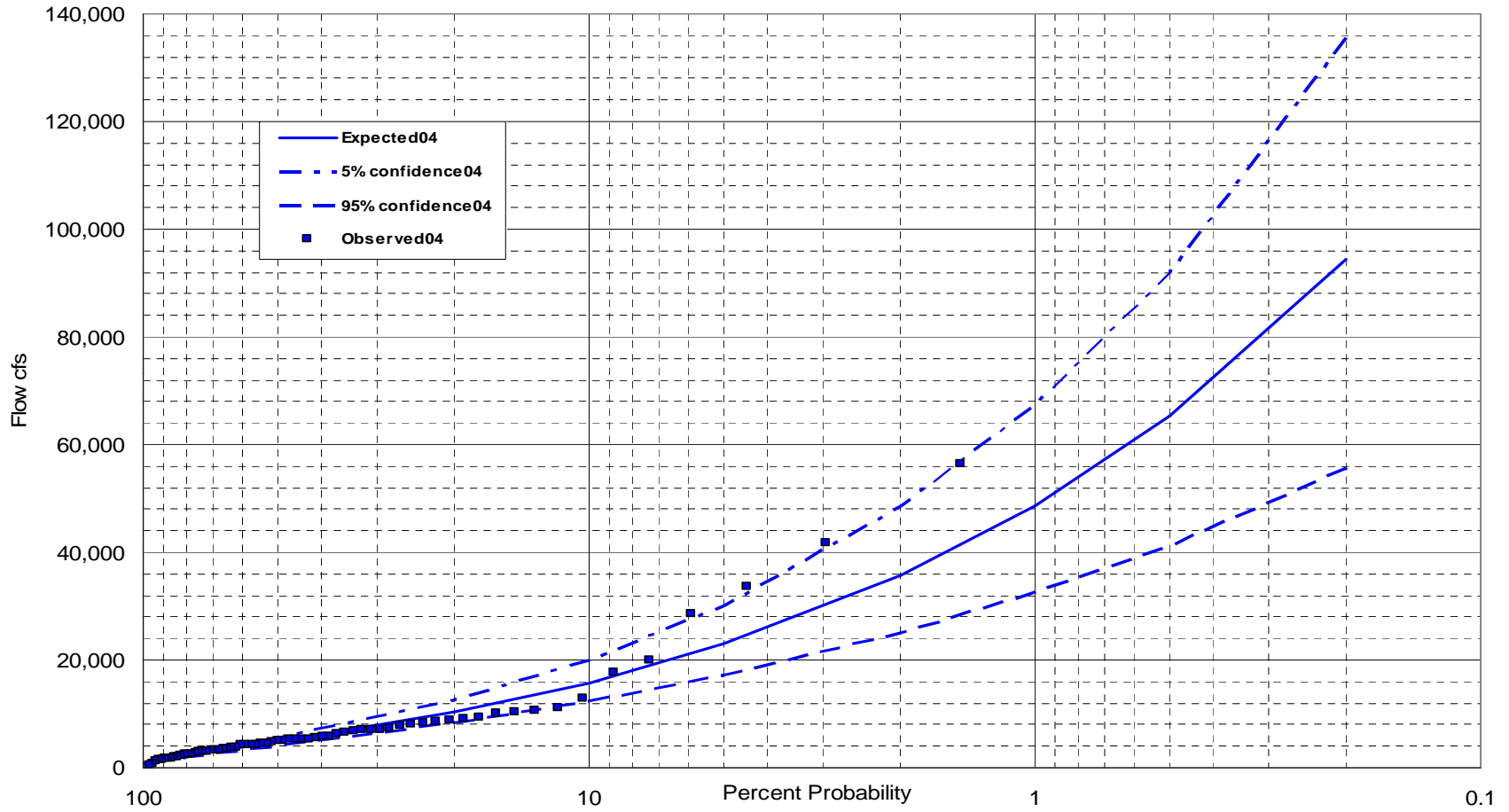
# August Frequency Analysis

Log Pearson Type III



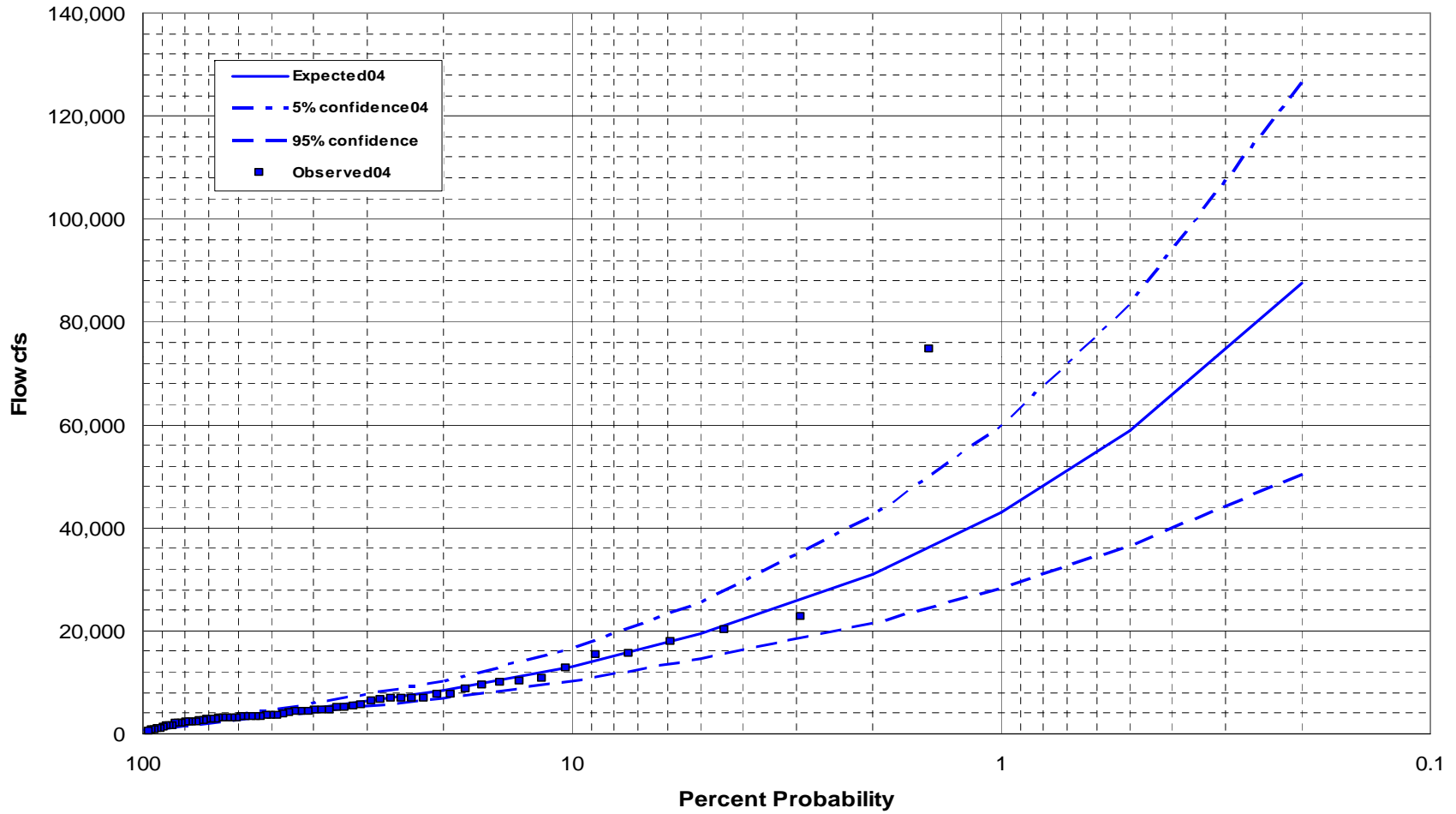
# September Frequency Analysis

Log Pearson Type III



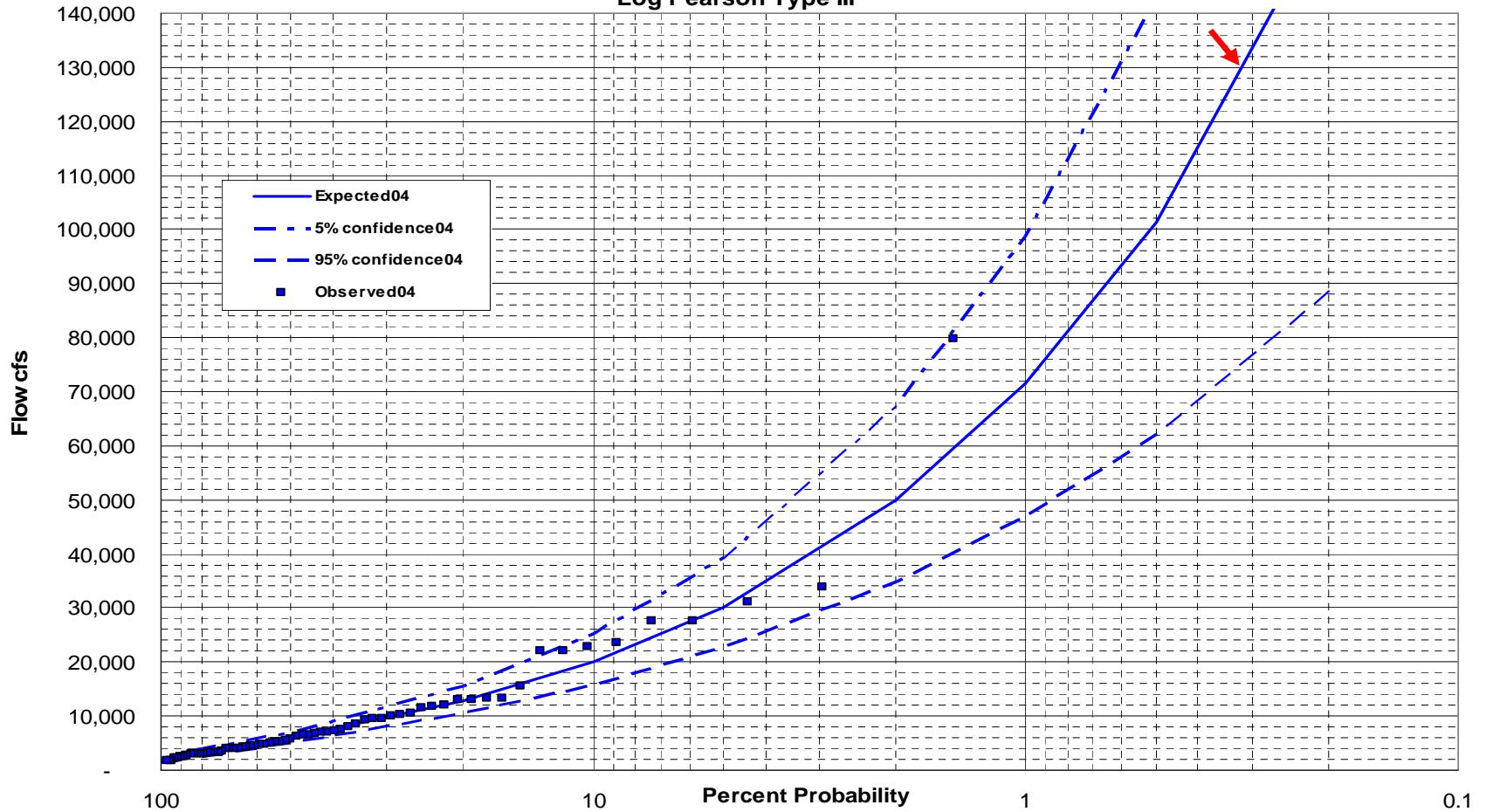
# October Frequency Analysis

## Log Pearson Type III



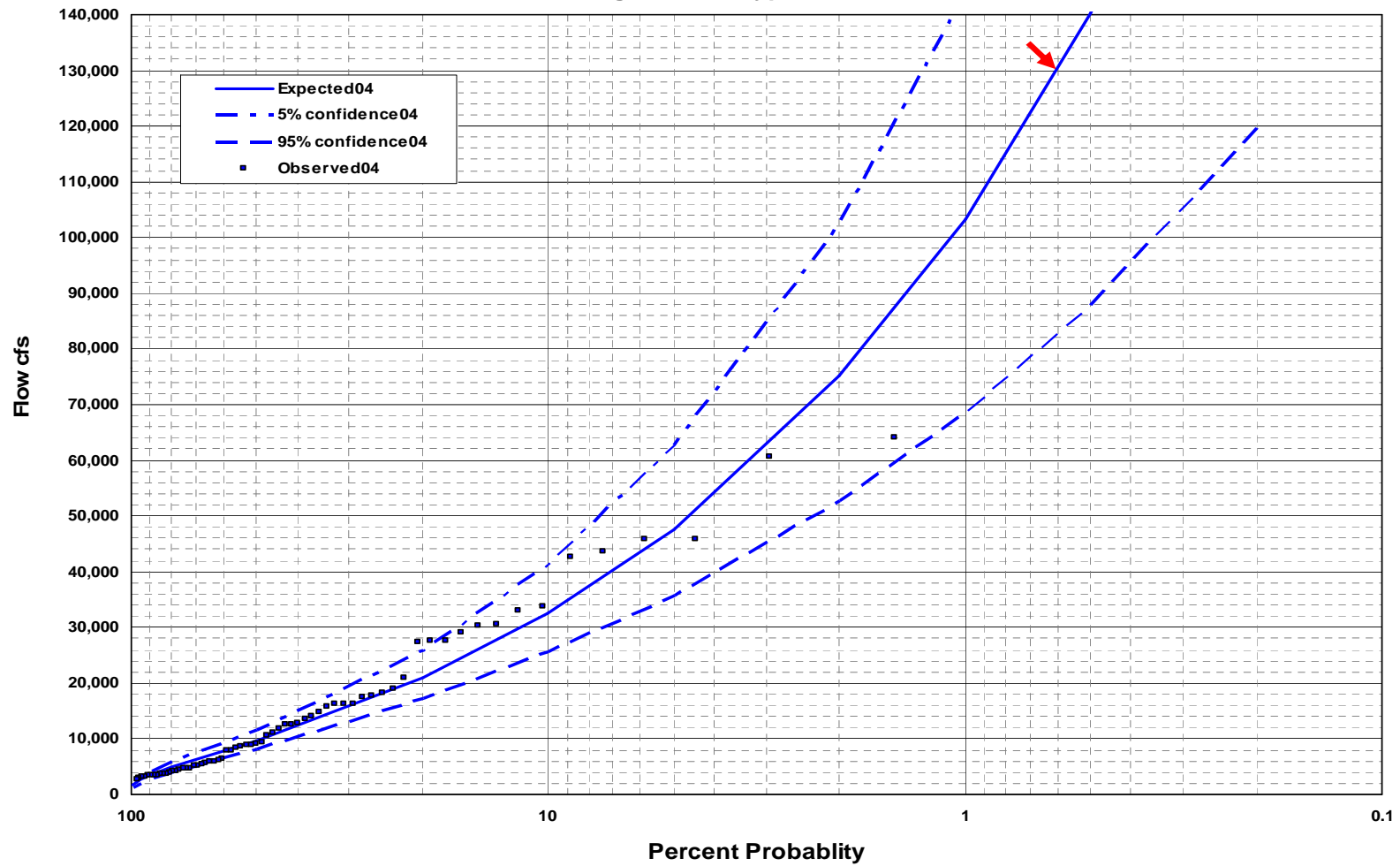
# November Frequency Analysis

Log Pearson Type III



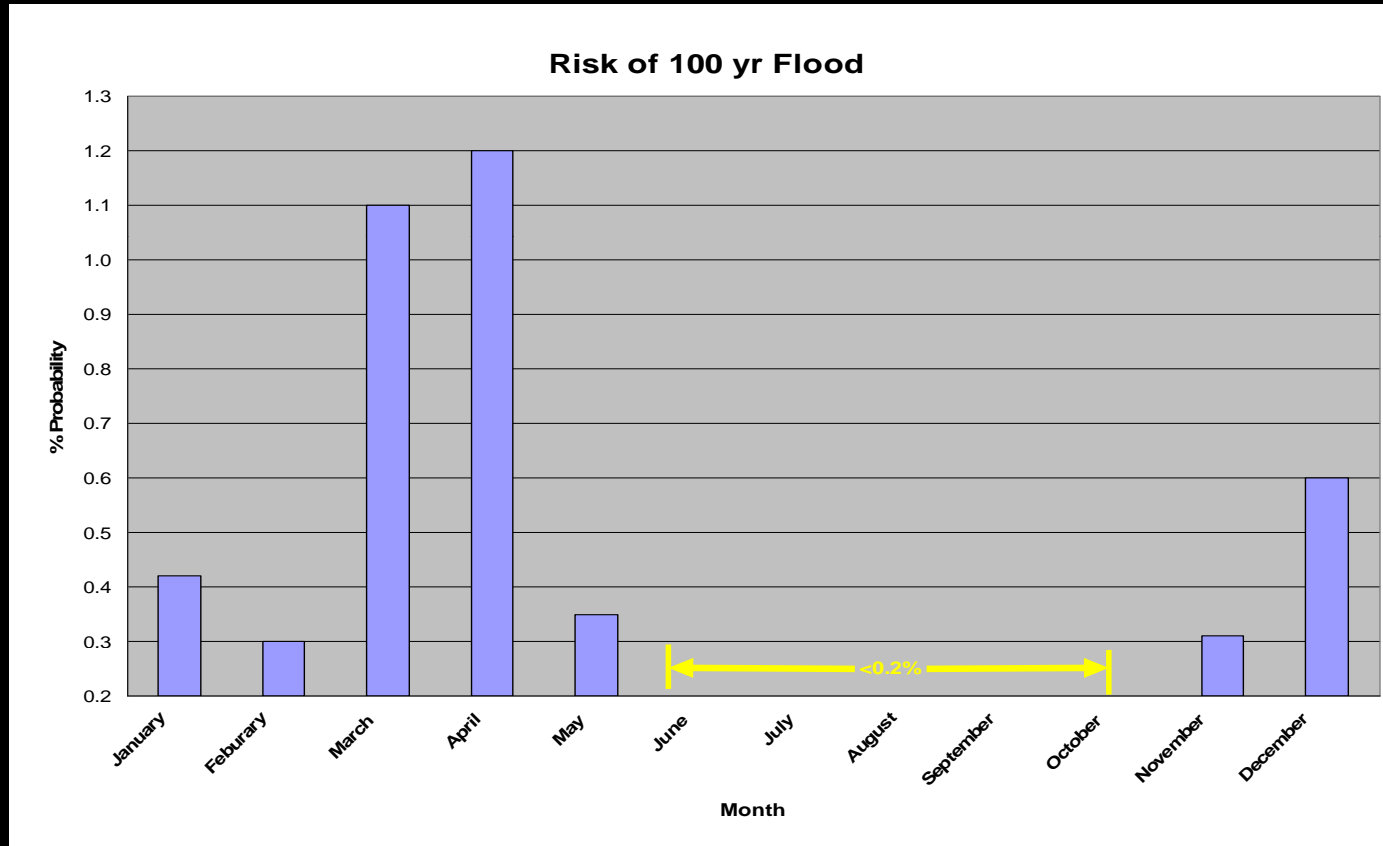
# December Frequency Analysis

Log Pearson Type III





# Monthly Frequency Analysis of Martin Inflows



# Martin Pool

