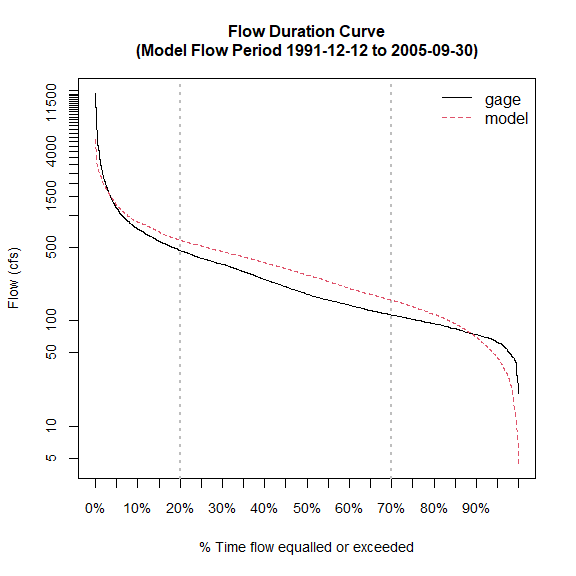
USGS Gage vs VAHydro Model

02/02/2023

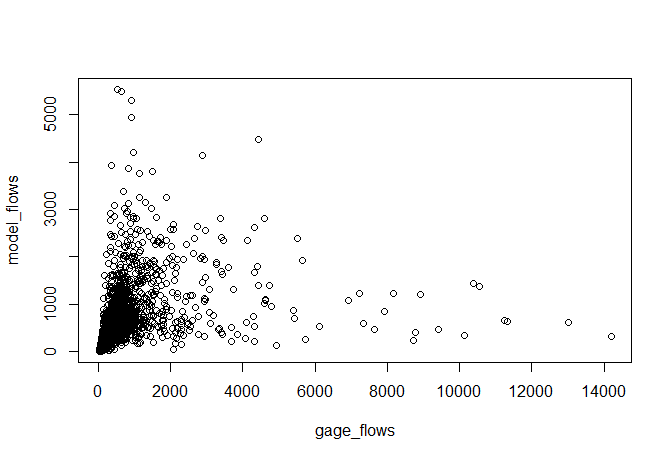
# Appendix X - Model Calibration Analysis:

## Flow Duration Curve Plot:

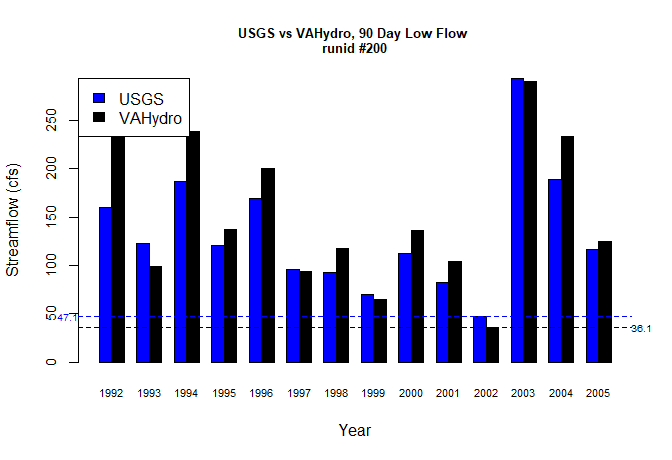


## Scatter Plot USGS vs. Model

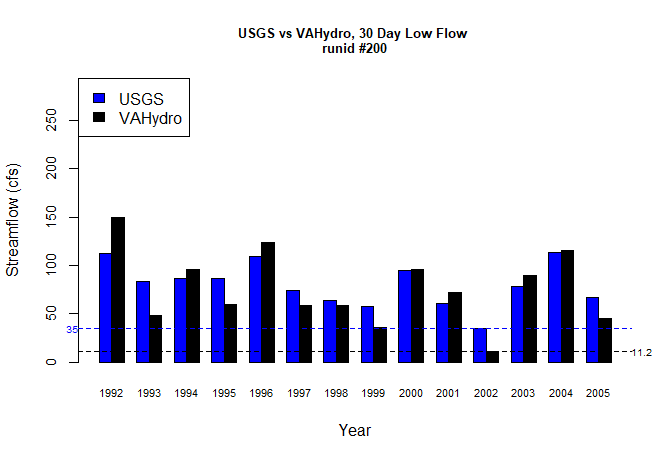
## Warning in merge.zoo(x, y, all = FALSE): Index vectors are of  
## different classes: Date POSIXct



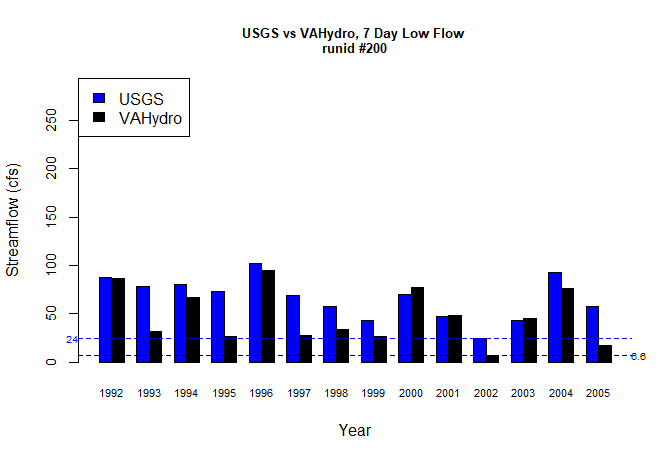
## L90 Model Performance Bar Plot:



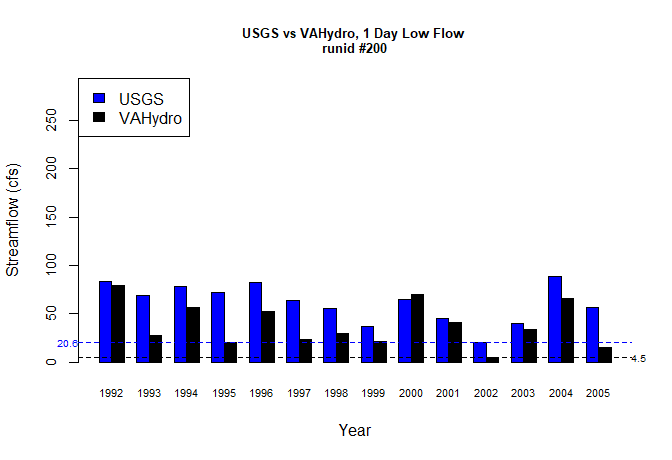
## L30 Model Performance Bar Plot:



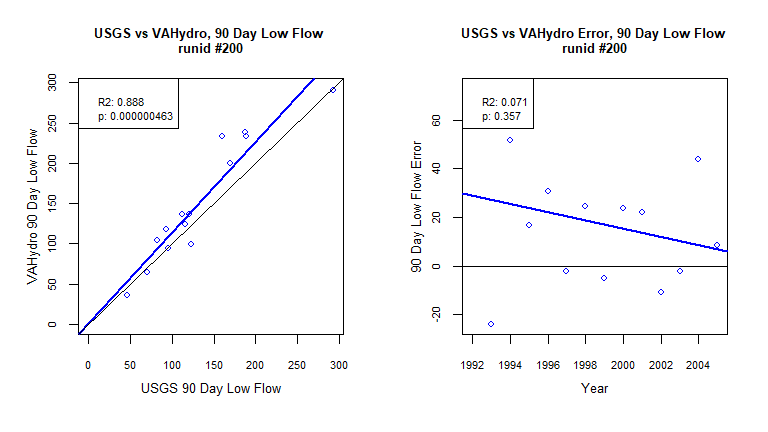
## L7 Model Performance Bar Plot:

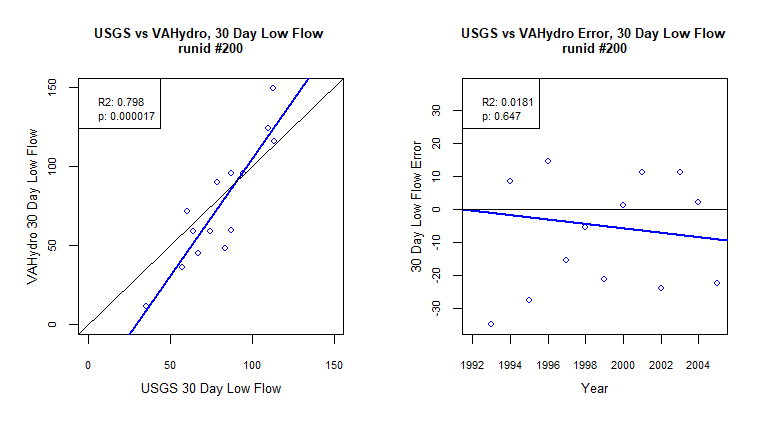


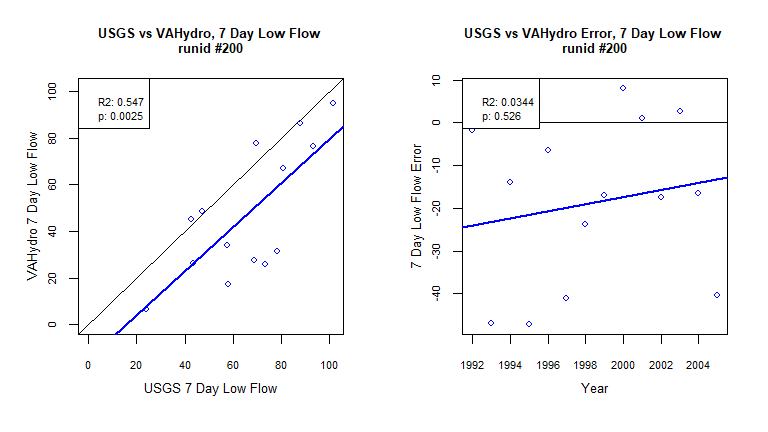
## L1 Model Performance Bar Plot:

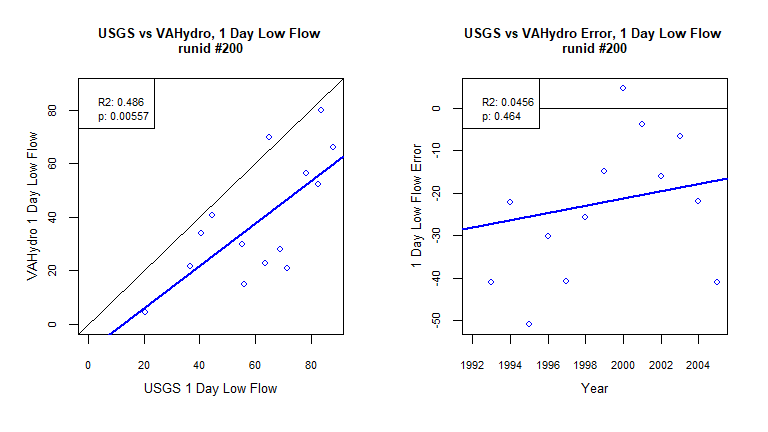


## Model Performance Scatterplots:









## Metrics Table:

| stat | gage | gage\_year | model | model\_year |
| --- | --- | --- | --- | --- |
| l90 | 47.1 | 2002 | 36.15 | 2002 |
| l30 | 34.99 | 2002 | 11.19 | 2002 |
| l7 | 23.95 | 2002 | 6.57 | 2002 |
| l1 | 20.55 | 2002 | 4.48 | 2002 |