

```

> data(flow)
> data(pol)
> flow.ranked <- rankflow(flow, pol, names = list(date = "Date", Q = "cfs"))
> fd.fig <- fdplot(flow.ranked, names = list(Q = "cfs"), values = TRUE)
> WQS <- 5
> WLA.construction = function(exc, LC, MOS, LC.fun, MOS.fun) {
+   LA = ifelse(exc > 75, LC.fun(75) - MOS.fun(75), LC - MOS)
+   0.01 * LA
+ }
> MS4.Duluth = function(exc, LC, MOS, LC.fun, MOS.fun) {
+   0.16 * (LC - MOS - WLA.construction(exc, LC, MOS, LC.fun, MOS.fun))
+ }
> WLA = list(WLA = WLA.construction, MS4 = MS4.Duluth)
> kr.tmdl <- tmdl(flow.ranked, names = list(Q = "cfs", pol = "TSS"), WQS = WQS, WLA = WLA)
> summary(kr.tmdl)
      High flows Moist conditions Mid-range flows Dry conditions Low flows
LC      5211.20688      819.602960      269.123360      117.4356480  39.1452160
MOS      2546.88562      428.150800      73.397280      57.4945360  19.1648453
90th     165781.70236     4190.984688     158.538125     112.0531808  11.8658936
WLA        26.64321         3.914522         1.957261         0.5994111  0.5994111
MS4        422.02849         62.006022         31.003011         9.4946721  3.1009535
LA        2664.32126      391.452160      195.726080      59.9411120  19.9803707
Reduction   98.39287       90.659661          NA       46.5065502          NA
> ld.fig <- plot(kr.tmdl, ylab = expression(paste("Load ", over(kg, day))), plot = list(WLA = TRUE))
> mv.fig <- mvplot(flow.ranked)
> ld2.fig <- update(ld.fig, par.settings = theEconomist.theme())

> plot(fd.fig)

```

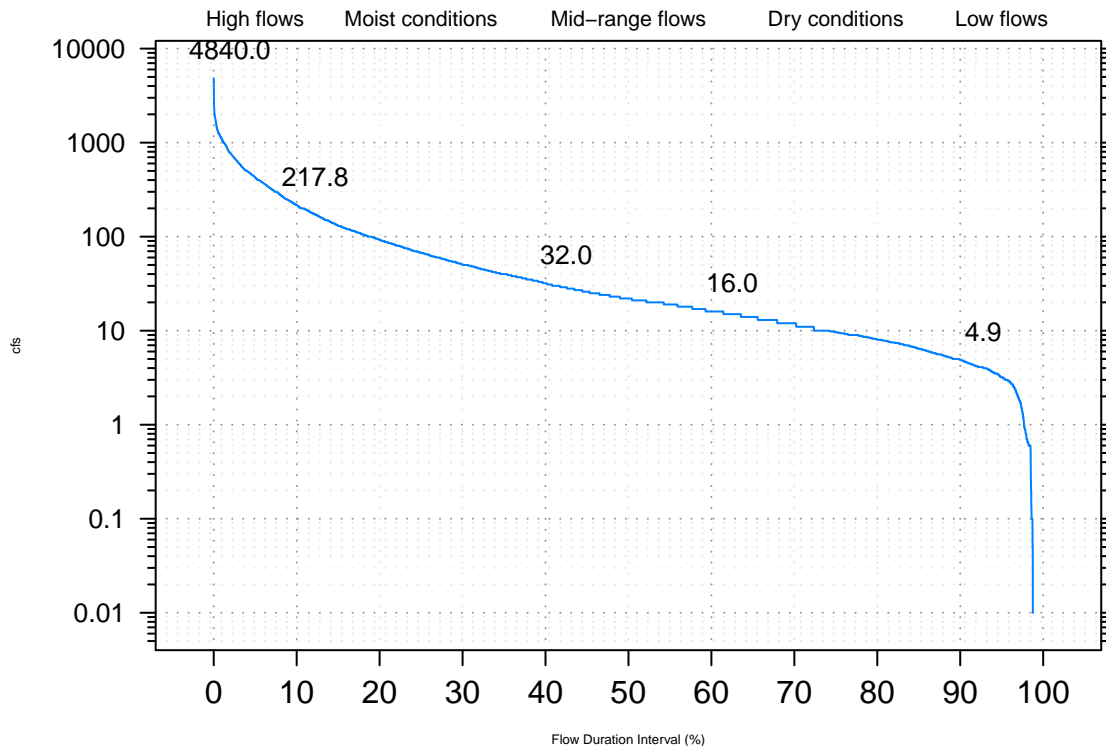


Figure 1: Flow duration based on USGS

```
> plot(ld.fig)
```

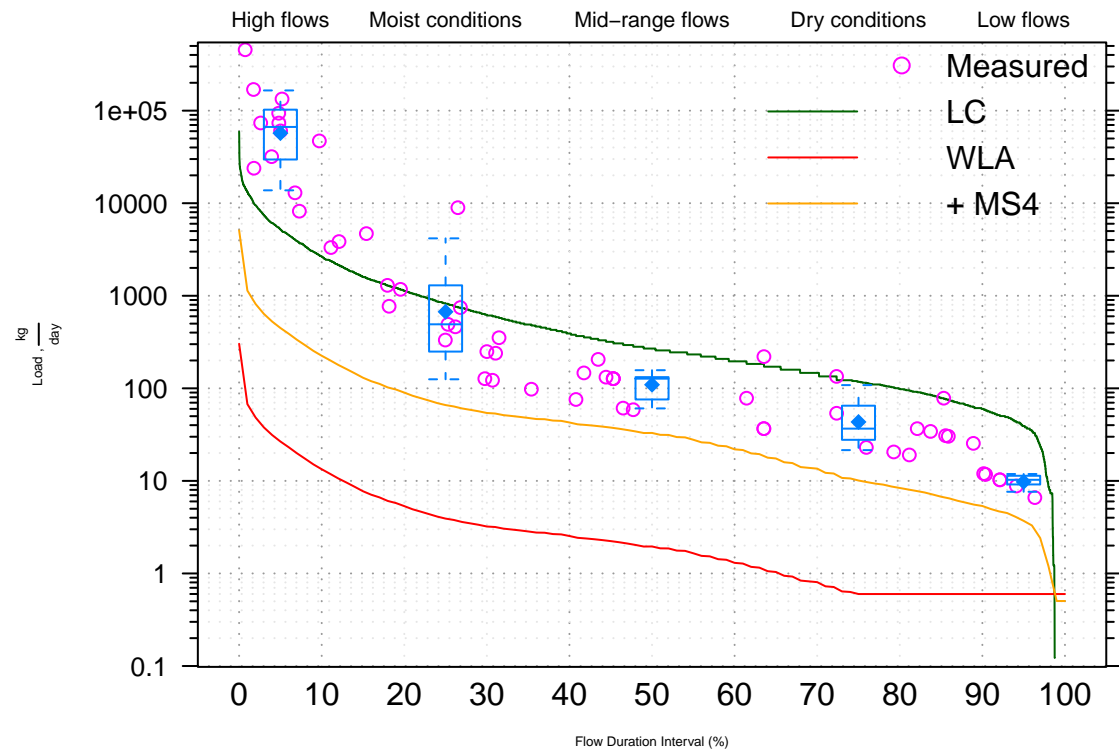


Figure 2: Load duration

```
> plot(mv.fig)
```

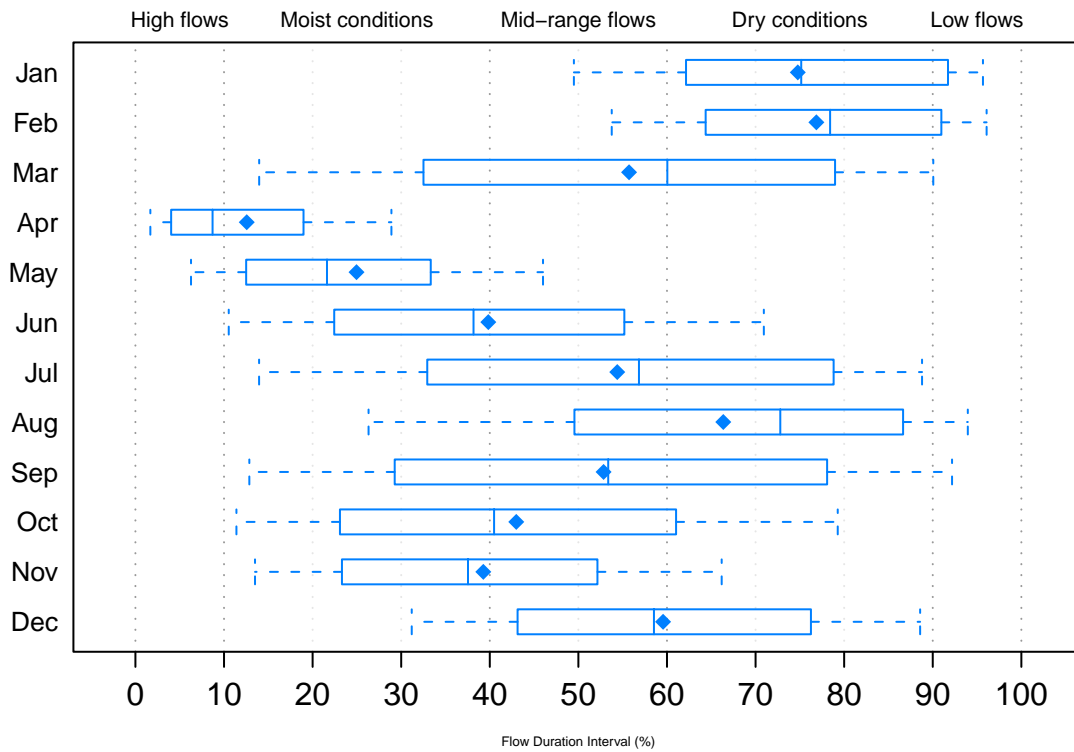


Figure 3: Monthly variation

```
> plot(ld2.fig)
```

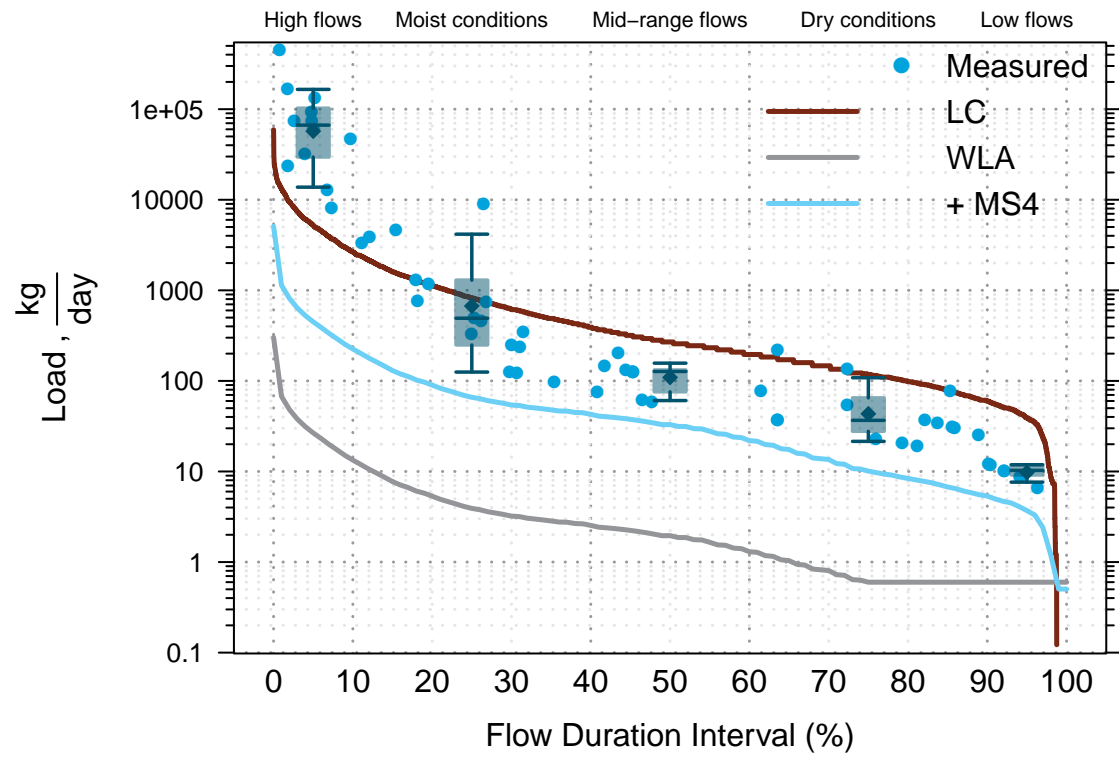


Figure 4: Load duration with custom theme