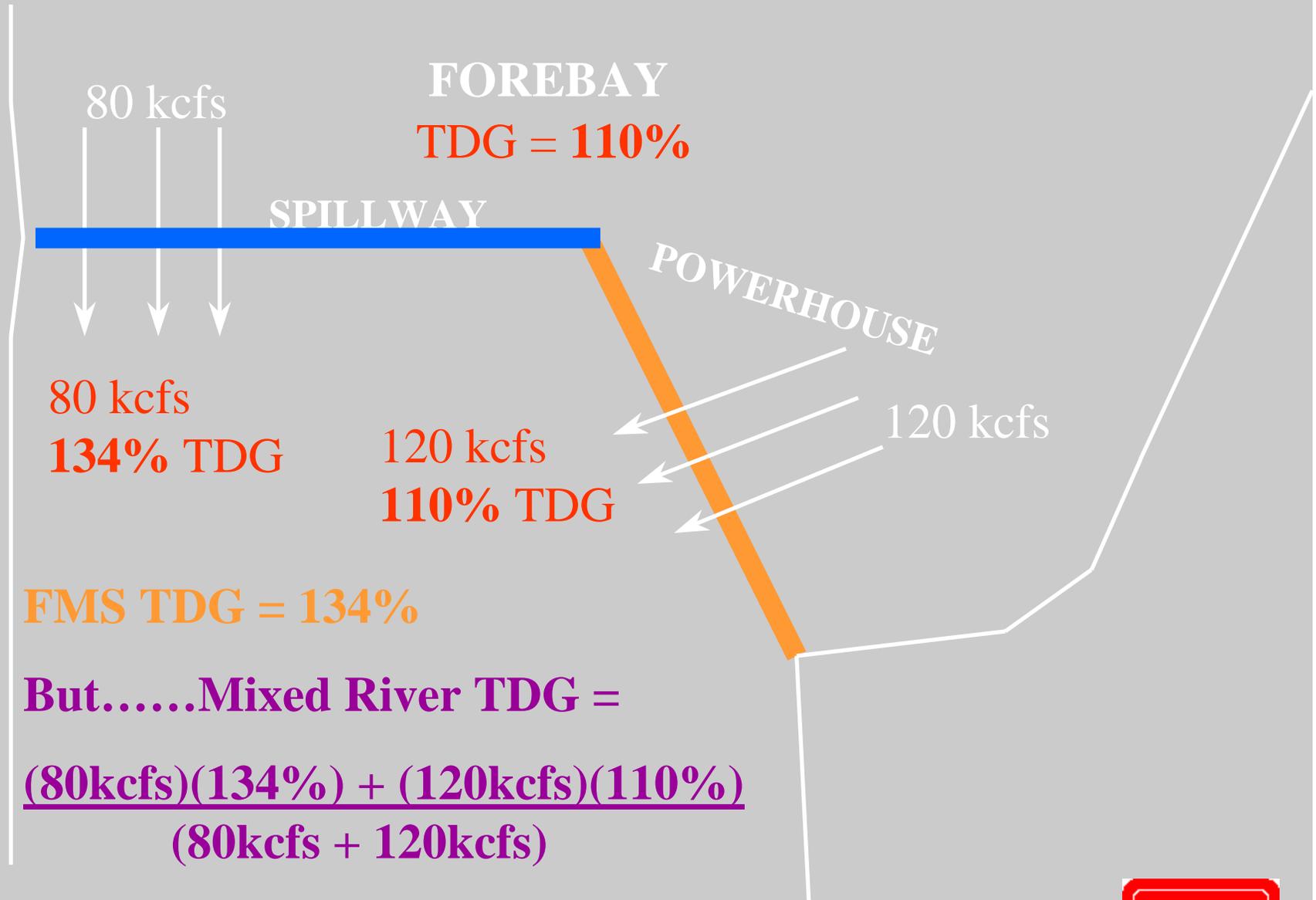


# DAM/RIVER GEOMETRY

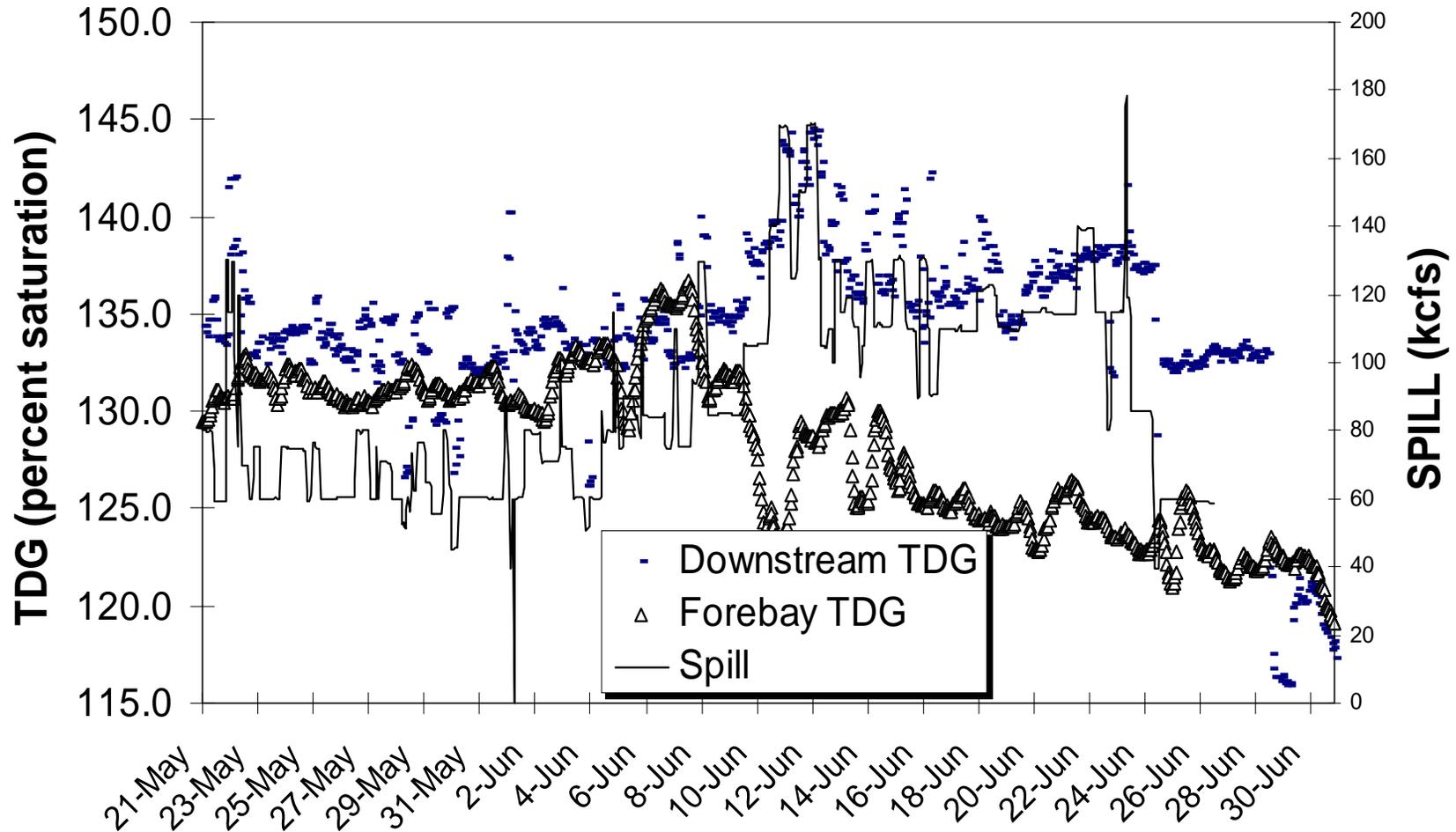
Spillway and Powerhouse flows remain separate until several miles downstream



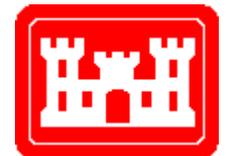
# MIXED RIVER TDG - EXAMPLE

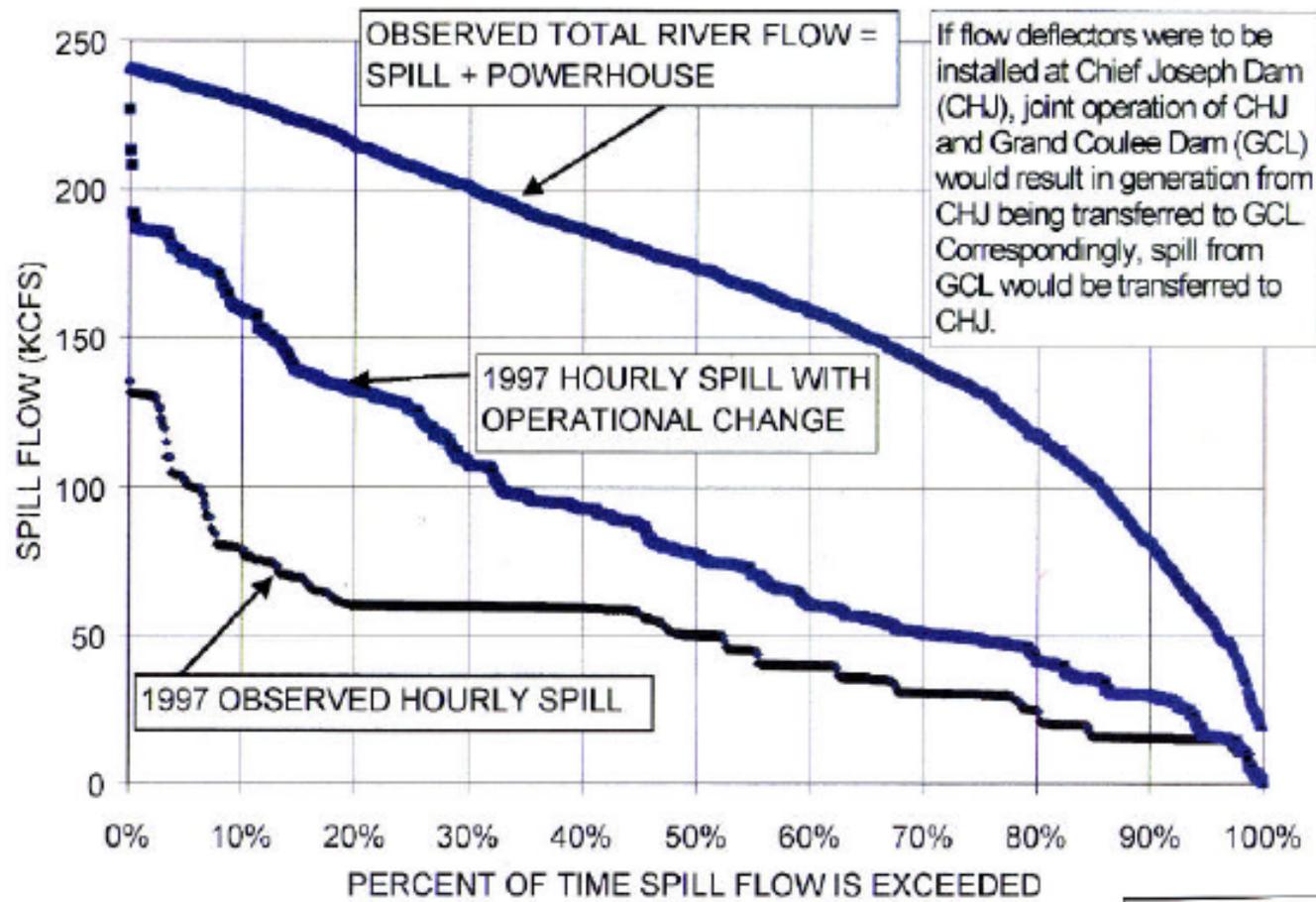


# Chief Joseph Dam TDG and SPILL May and June 1997



1997

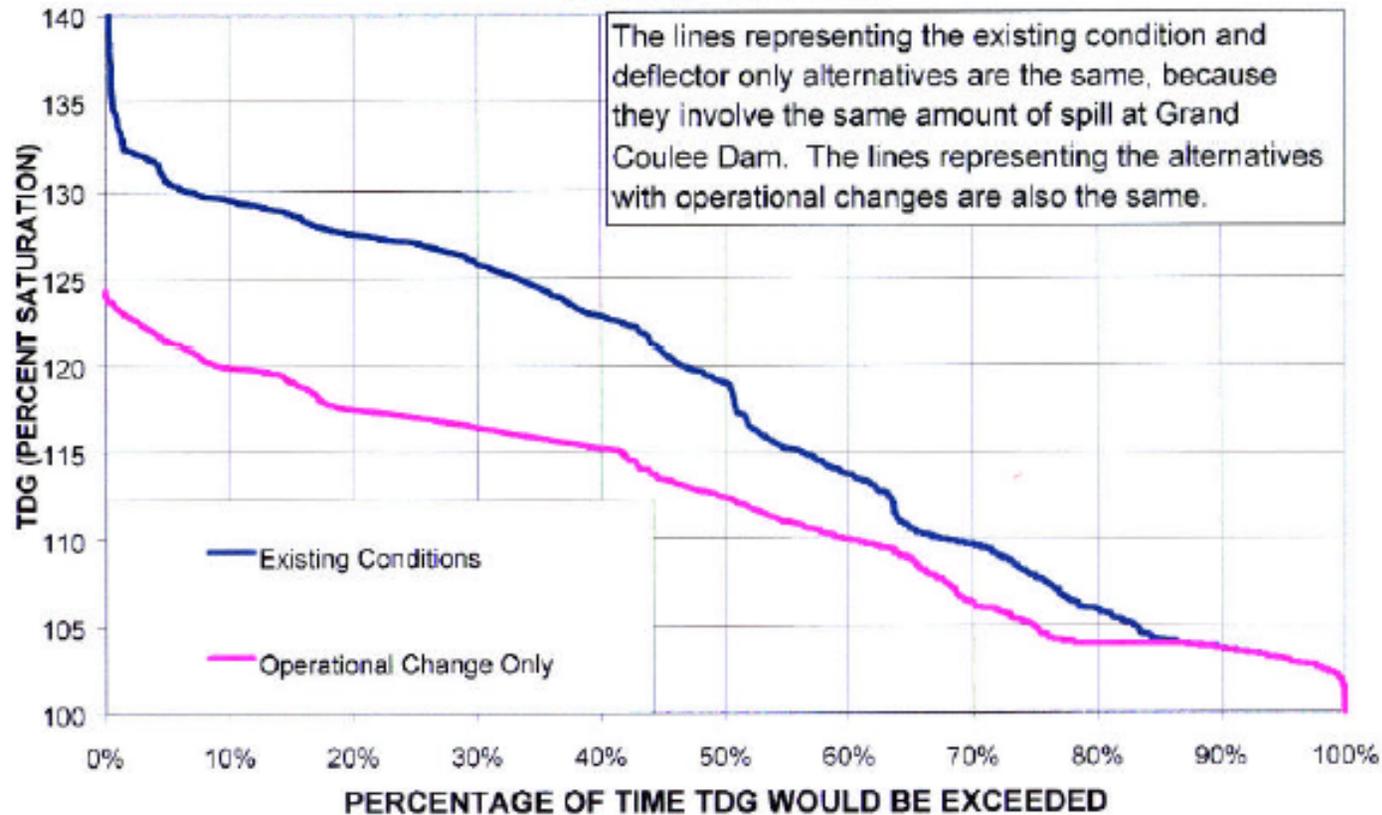




**Data source: Simulated and observed flow, March-June 1997, hourly data, when total river flow was less than 7Q10 of 241 kcfs.**

Chief Joseph Dam, Columbia River Gas Abatement Study
PLATE 3-8
Exceedance Percent for Spill at Chief Joseph Dam
April, 2000

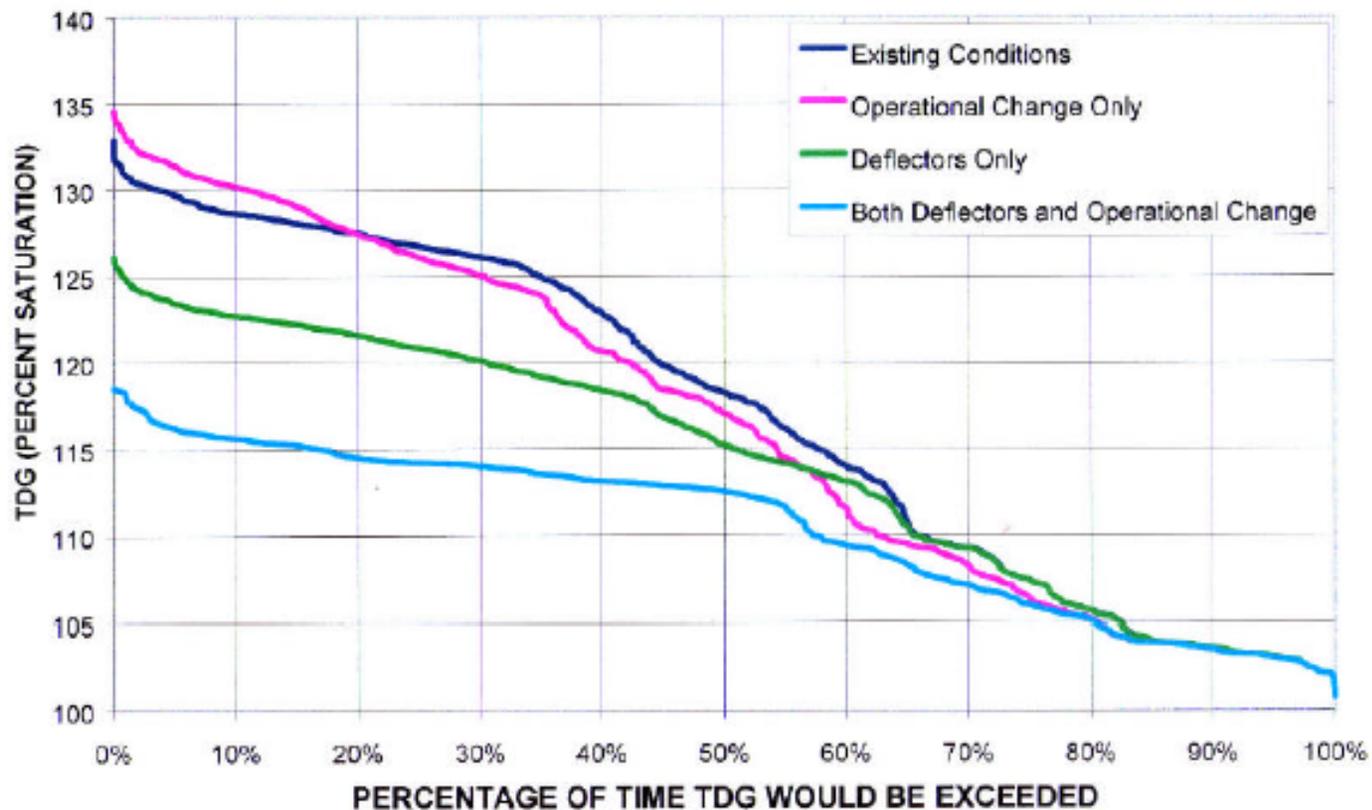
**OUTPUT OF MODELED ALTERNATIVES:  
TDG BELOW GRAND COULEE DAM (RUFUS WOODS LAKE)  
MARCH - JUNE 1997**



Data source: SYSTDG model output, March-June 1997, hourly data, when total river flow was less than 7Q10 of 241 kcfs.

Chief Joseph Dam, Columbia River
Gas Abatement Study
PLATE 3-13
TDG in Rufus Woods Lake (M/
Percent)
April, 2000

**OUTPUT OF MODELED ALTERNATIVES:  
TDG BELOW CHIEF JOSEPH DAM (LAKE PATEROS)  
MARCH - JUNE 1997**



**Data source: SYSTDG model output, March-June 1997, hourly data, when total river flow was less than 7Q10 of 241 kcfs.**

Chief Joseph Dam, Columbia River Gep Assessment Study
<b>PLATE 3-6</b>
TDG at Chief Joseph (with Project)
April, 2000