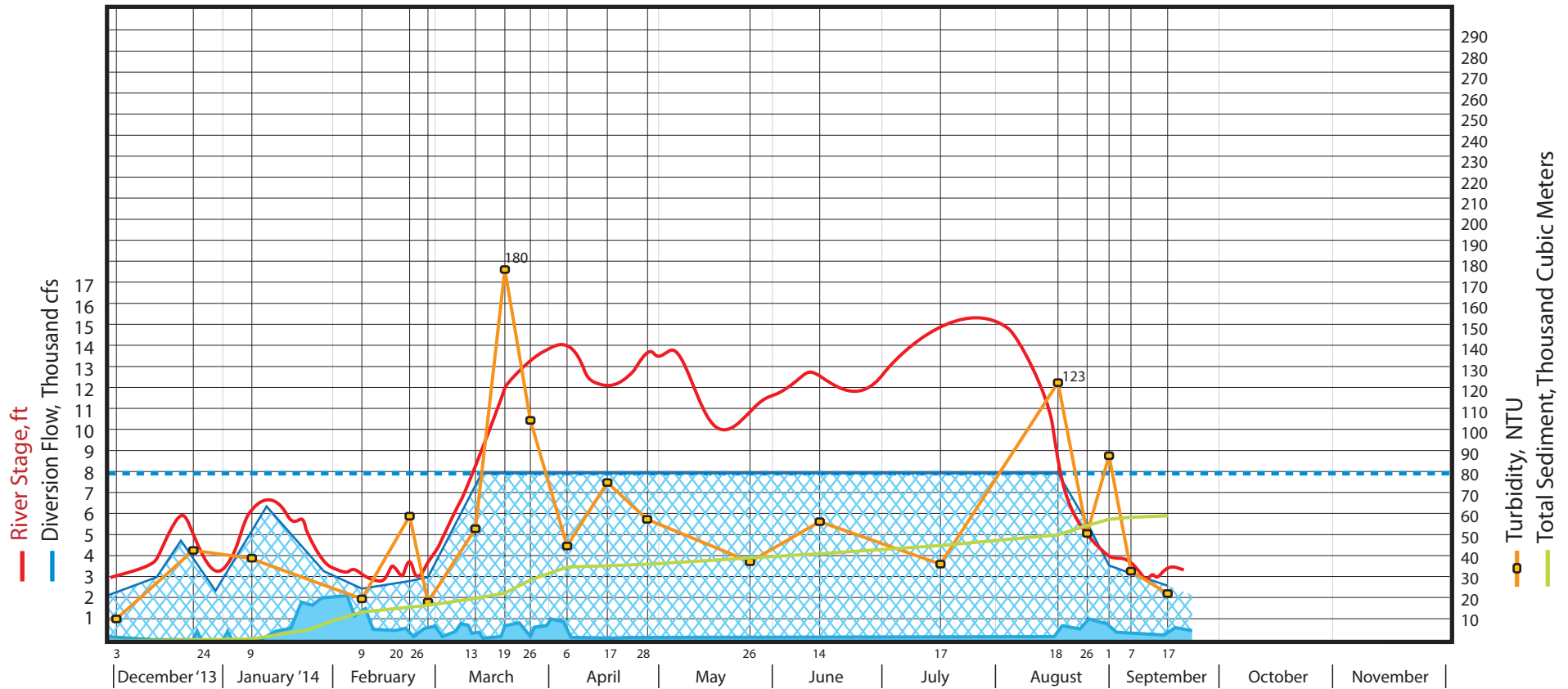


# Caernarvon Diversion Turbidity Sampling 12/2014 - 9/2015

A Project of the Lake Pontchartrain Basin Foundation



This graph shows the results of water sampling at the Caernarvon diversion in St. Bernard Parish, Louisiana.

The orange line shows the measured turbidity (cloudiness), which tells how much sediment is suspended in the water. The red line shows the river stage (height above sea level). The solid blue area indicates the actual discharge of water from the diversion in cubic feet per second (cfs). The magenta line is an estimate of the sediment delivered by the diversion. The blue hatched area shows the water that could physically have flowed through the diversion, but was not allowed to. The diversion structure can deliver more water as the river stage increases, up to its design limit of 8,000 cfs (thick blue line).

**LEGEND**

- Turbidity of Diversion Discharge (Suspended Sediment)
- River Stage (at Carrollton)
- Actual Diversion Flow
- Potential Diversion Flow (Calculated from river stage)
- Diversion Operational Limit
- Total Delivered Sediment

