

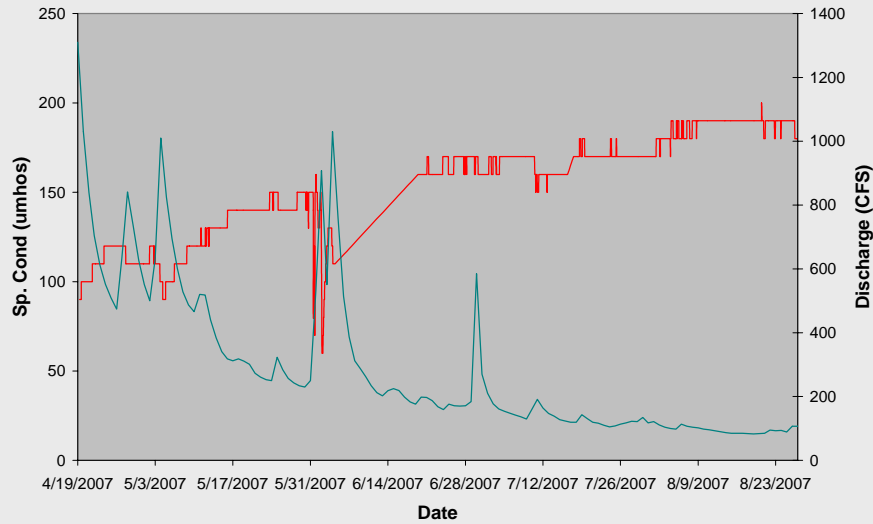
Long Term Monitoring Data

NF Shenandoah SF Shenandoah
and Cowpasture Rivers

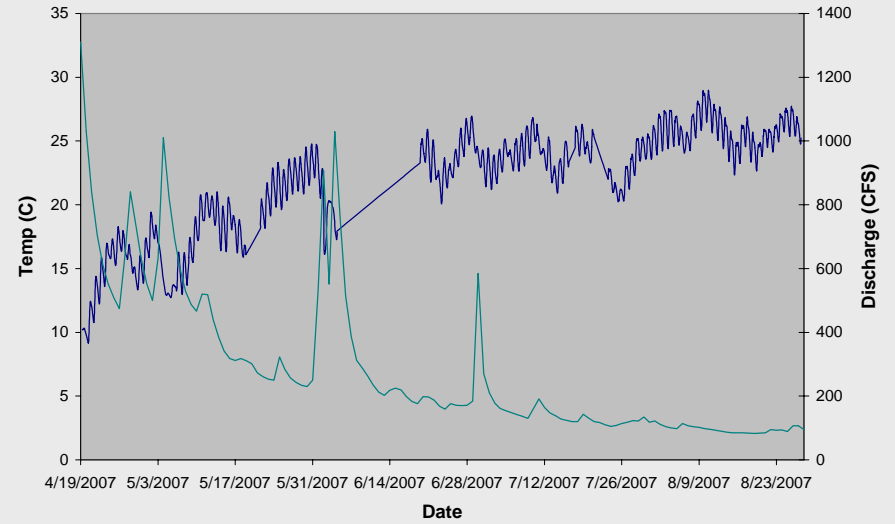
2007

Cowpasture River at Walton Tract

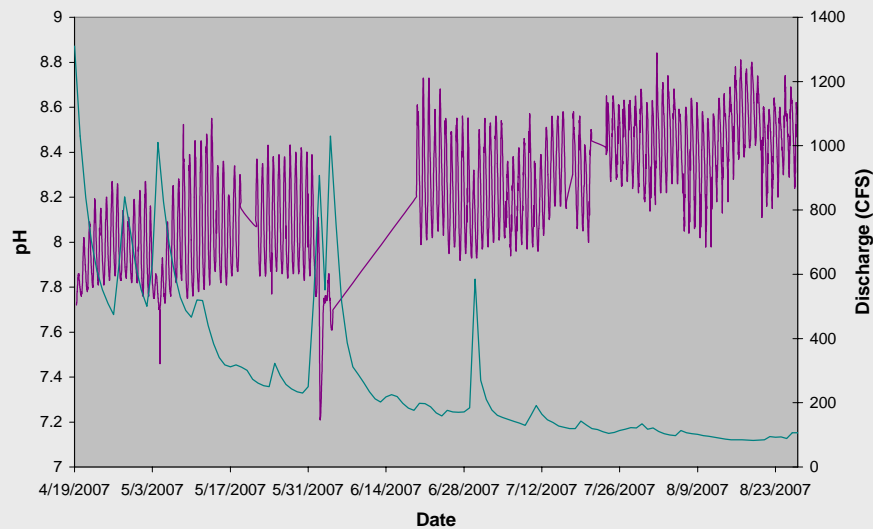
Specific Conductivity



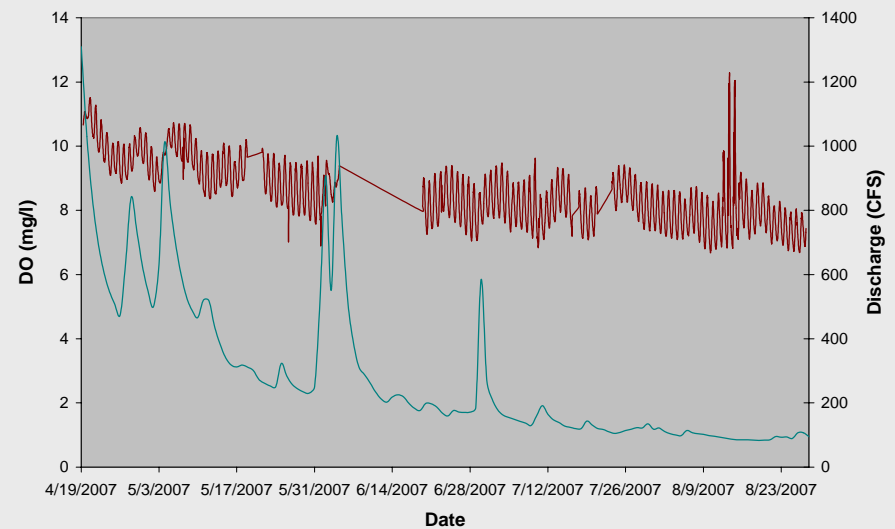
Temperature



pH

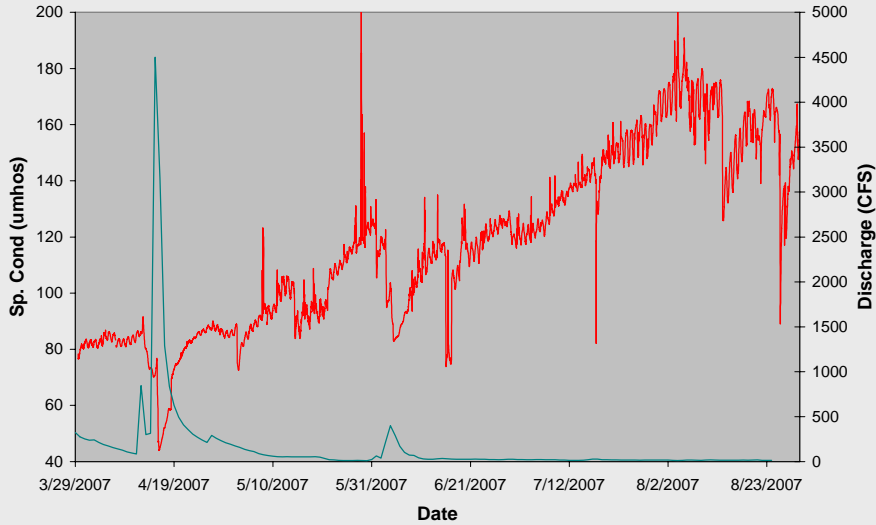


Dissolved Oxygen

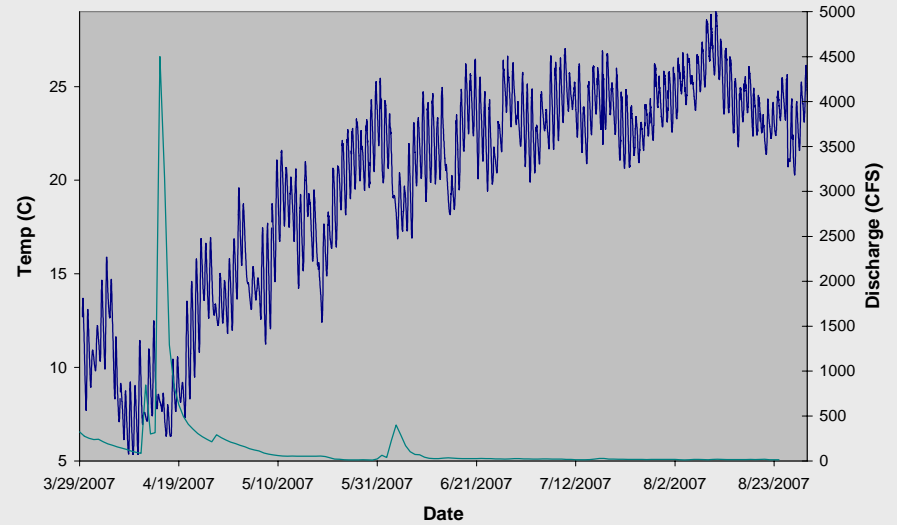


North Fork Shenandoah River at Cootes Store

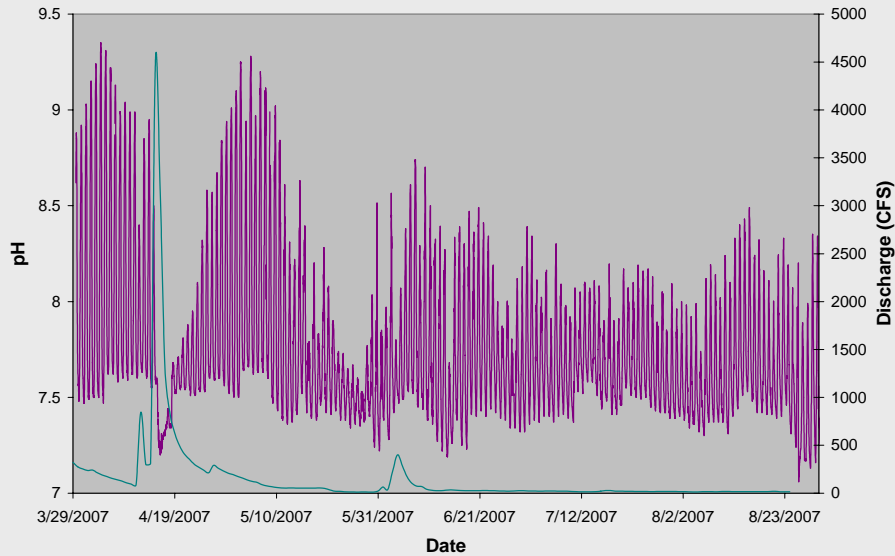
Specific Conductivity



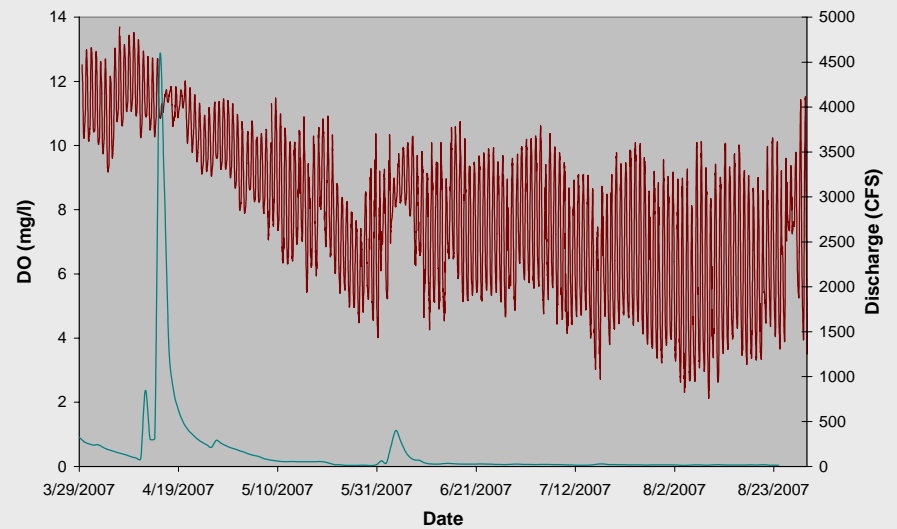
Temperature



pH



Dissolved Oxygen

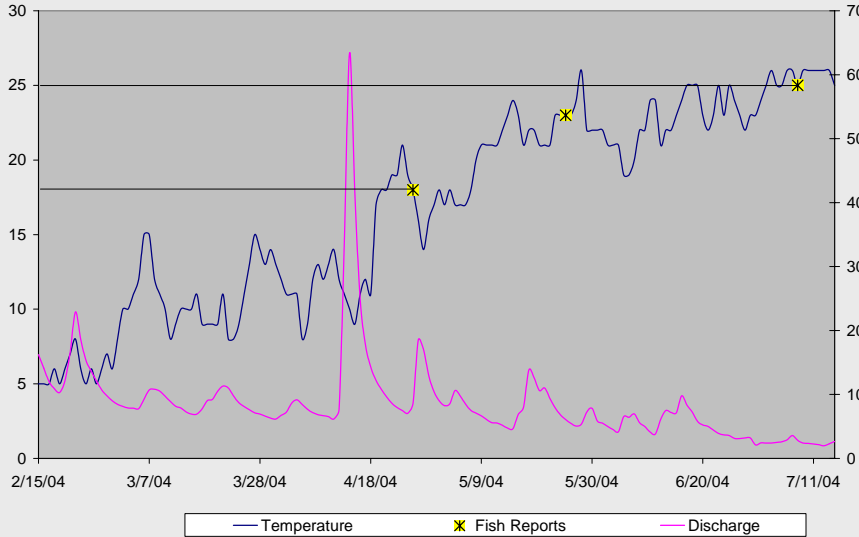


Fish Kills According to Temperature and Flow

North Fork Shenandoah

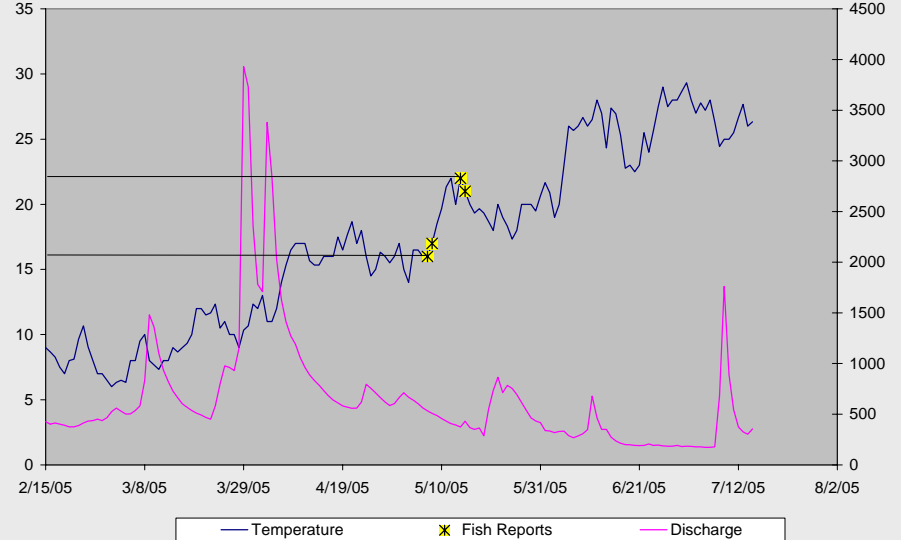
2004 North Fork Fish Kill

Temperatures recorded by Woodstock Treatment Plant



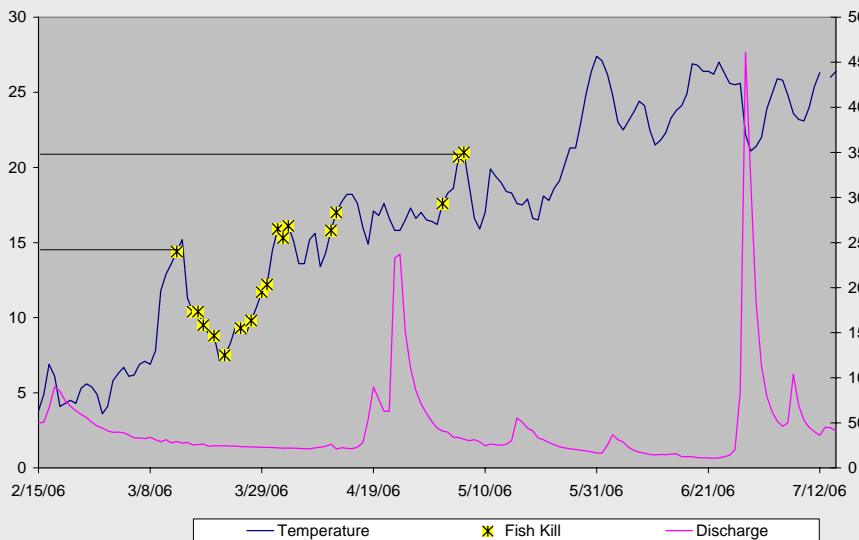
2005 North Fork Fish Kill

Temperatures recorded by Woodstock Treatment Plant



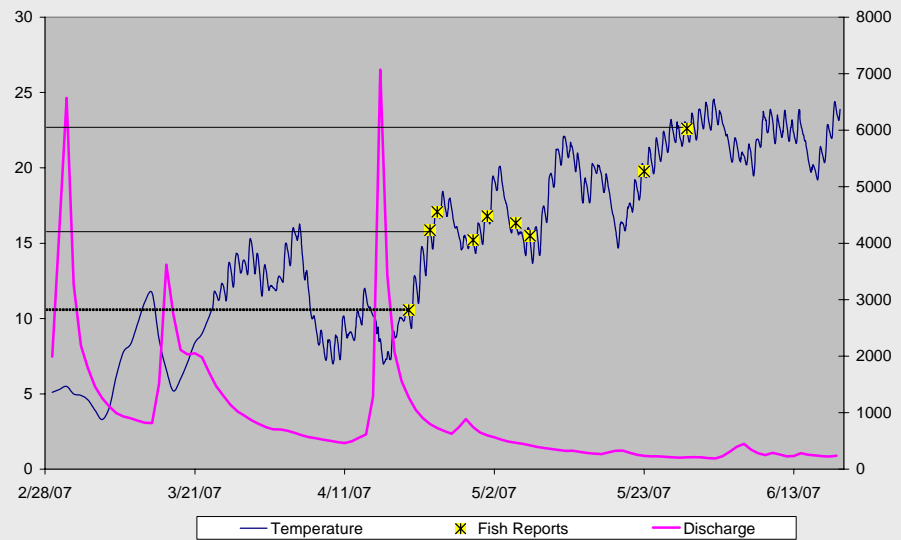
2006 North Fork Fish Kill

Temperature from Strasburg as recorded by USGS



2007 North Fork Fish Kill

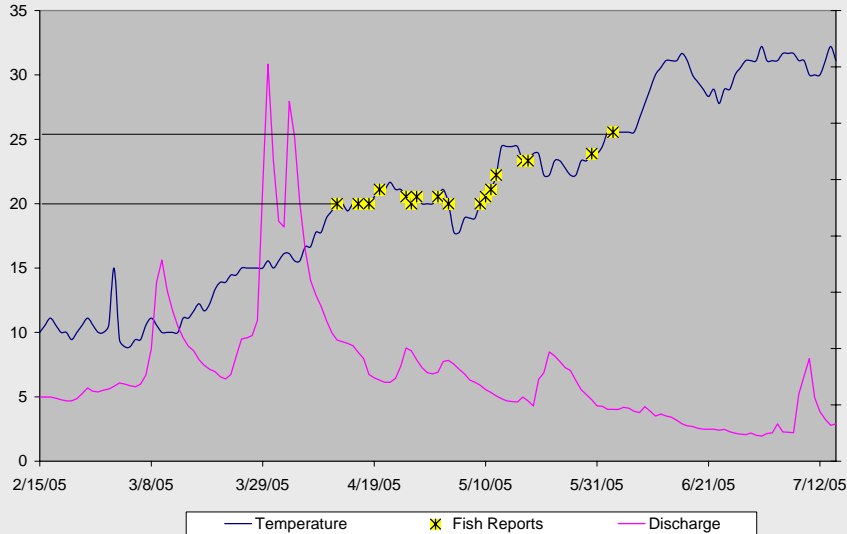
Temperature recorded by USGS at Strasburg and DEQ at Mt. Jackson



South Fork Shenandoah

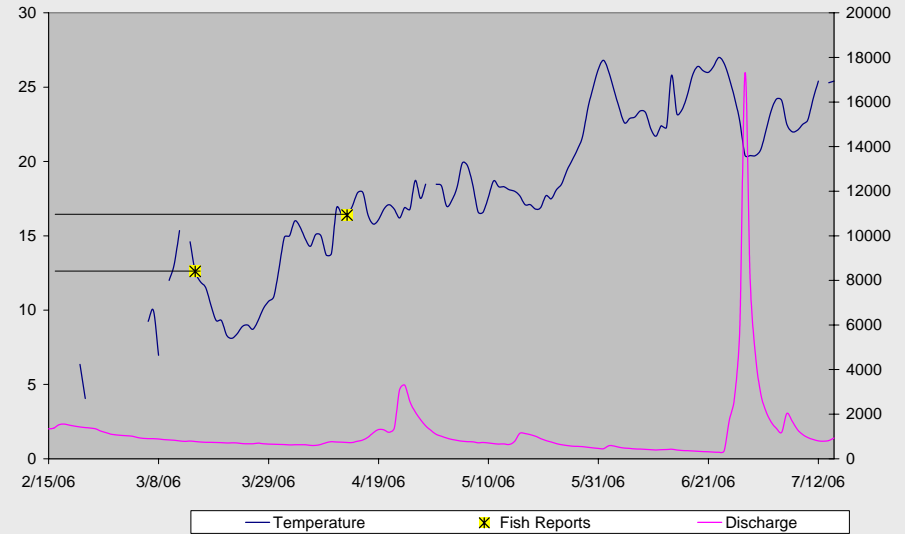
2005 South Fork Fish Kill

Temperature Recorded by Front Royal WTP



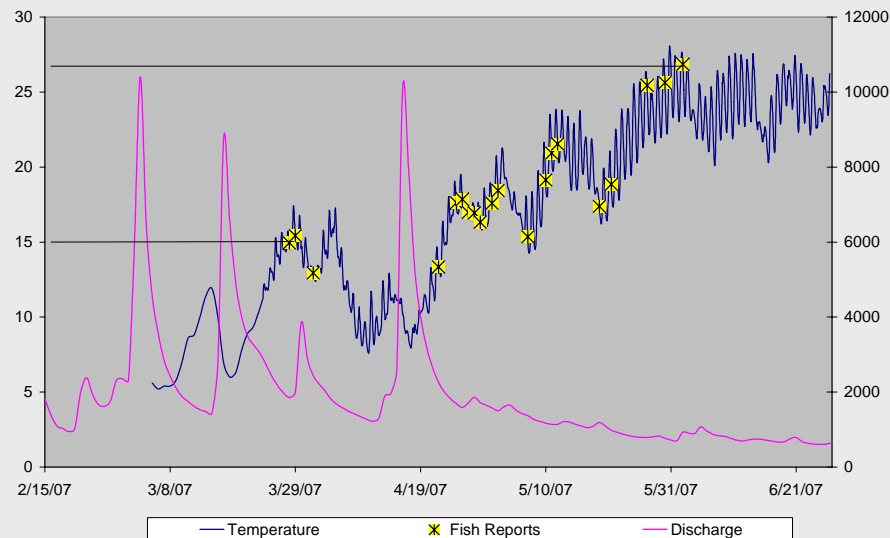
2006 South Fork Fish kill

Temperature as Recorded by USGS and DEQ at Luray



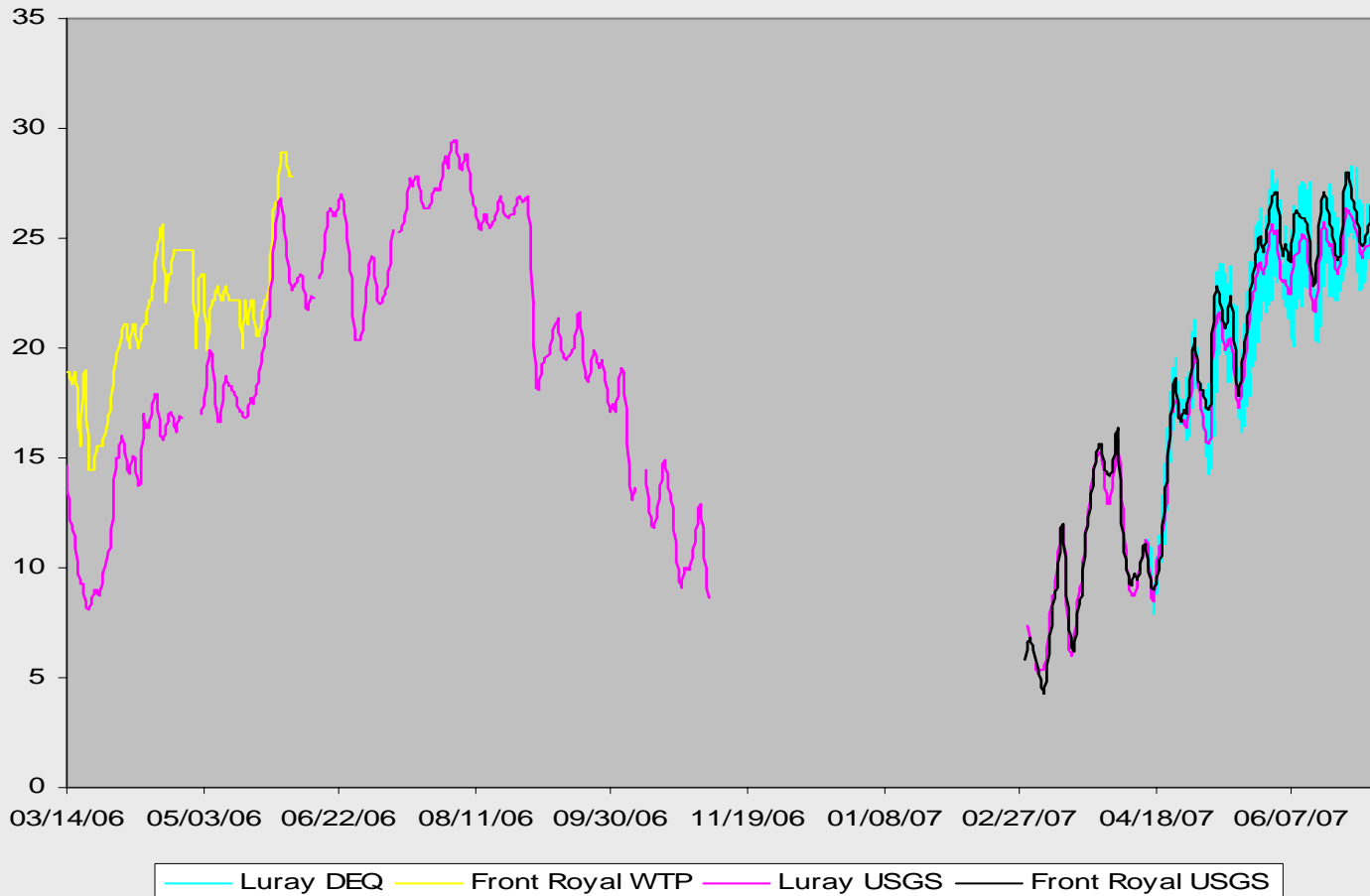
2007 South Fork Fish Kill

Temperature as Recorded by USGS and DEQ at Luray

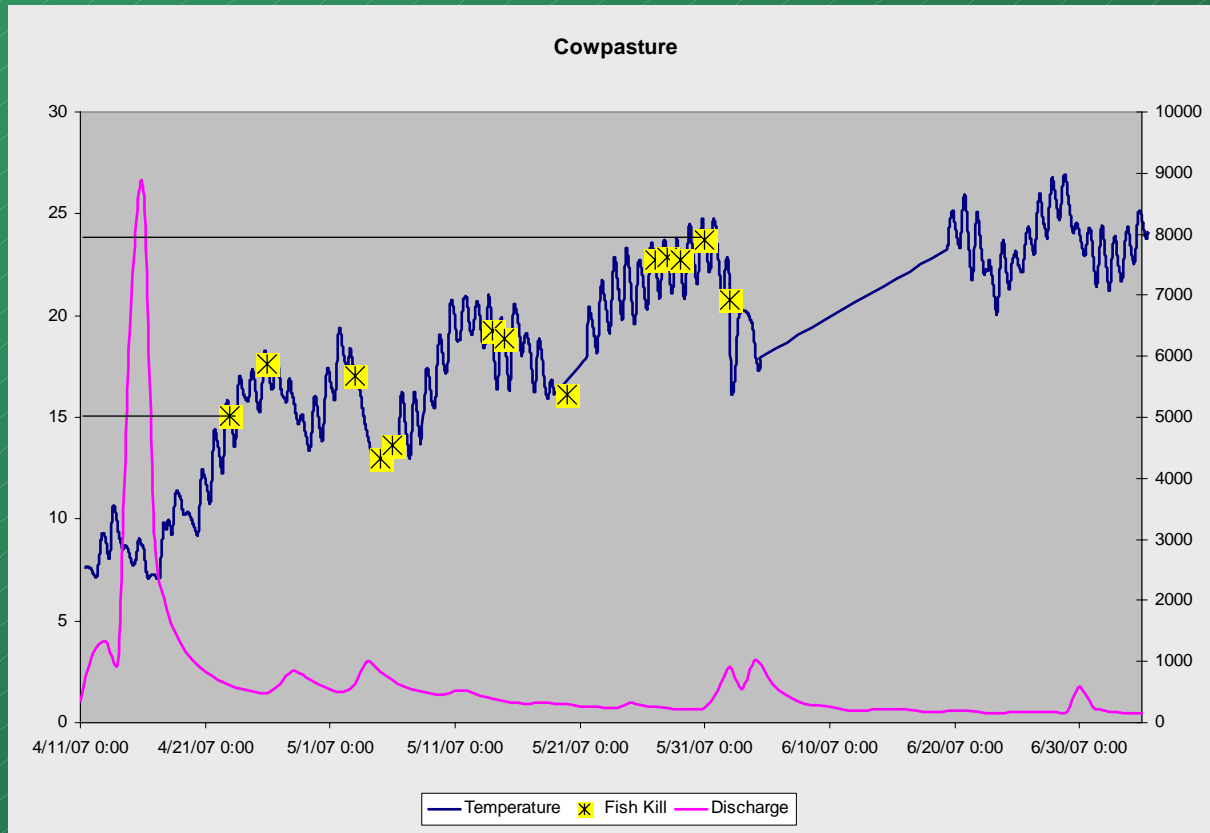


South Fork Shenandoah Temperature Comparisons

**SF Shenandoah River
DEQ, USGS and WTP Temperature Comparison**



Cowpasture River 2007



Any Questions?