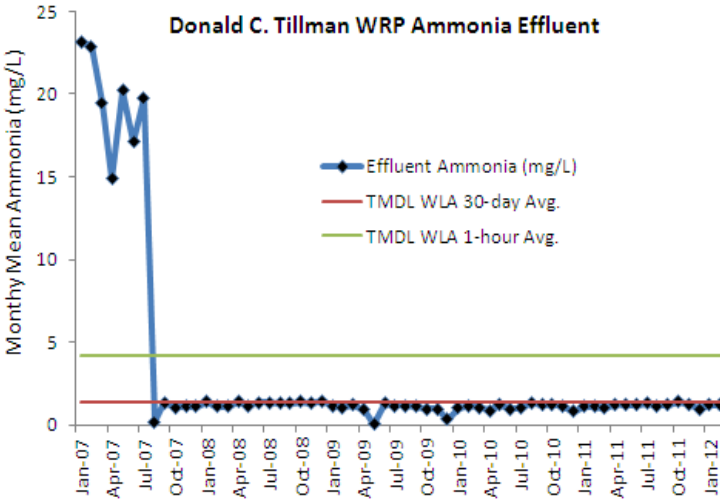
Total Maximum Daily Load Progress Report		LA River Nitrogen Compounds & Related Effects TMDL
Regional Water Board	**Los Angeles, Region 4**	
Beneficial uses affected	WARM, WILD, SPWN, GWR, REC1	
Pollutant(s) addressed:	Nitrogen compounds, related effects	**STATUS** ☑Conditions Improving ☐ Data Inconclusive ☐ Improvement Needed ☐ TMDL Achieved/Waterbody Delisted
Implemented through:	NPDES Permits, WDR Permits	
Approval date:	September 2004	

TMDL summary:

The Los Angeles River and its tributaries are impaired for nitrogen compounds (ammonia, nitrite, and nitrate) and related effects such as algae, pH, odor, and scum. These waterbodies were listed because numeric and narrative water quality objectives for nitrogen compounds and related effects were exceeded, thereby impairing warm freshwater and wildlife habitats, and recreational uses. The principal sources of nitrogen compounds to the Los Angeles River are discharges from three major wastewater treatment plants. The TMDL established an implementation plan, primarily relying on the use of permits to regulate wastewater discharges. The TMDL implementation schedule called for achieving ammonia and nitrate water quality standards in the river by 2007.

Los Angeles River Watershed

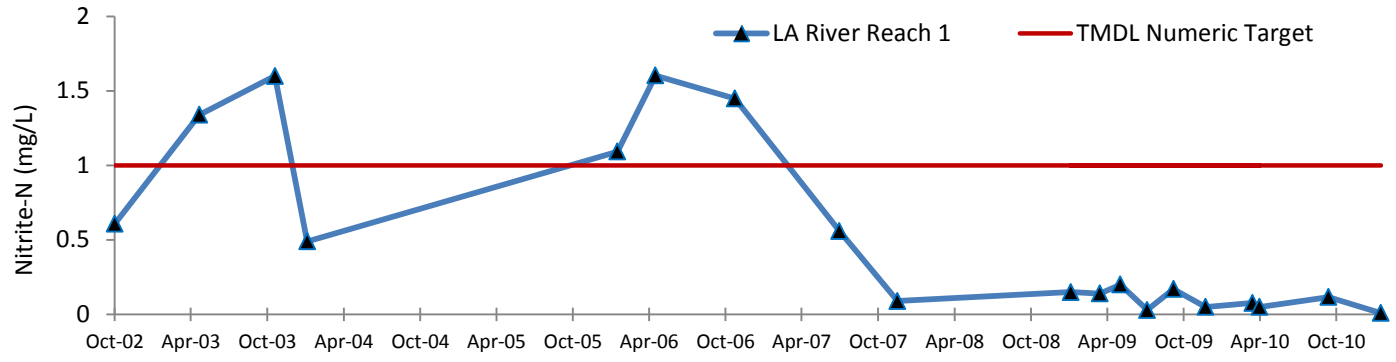
TMDL Waste Load Allocations/Load Allocations



Water Quality Outcomes

- *Four waste water treatment plants in the watershed have installed a nitrification and denitrification process, which has resulted in significant ammonia reductions in the receiving water. For the most part, wastewater treatment plant discharges are meeting their ammonia and nitrate/nitrite waste load allocations.*
- *Improvement in water quality has also been documented further downstream. Nitrate and nitrite concentrations are below numeric targets during both wet and dry weather. The downstream graph included below is for nitrite in dry weather as it showed the most dramatic decrease in concentration.*

Los Angeles River (Reach 1) Water Quality -- Dry Weather Nitrite



Updated September 2012