

2006 303(d) List of Impaired Waters

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Requirements

- Clean Water Act §303(d)
 - Waterbodies needing additional work beyond existing controls to achieve or maintain WQS
- 40 CFR Part 130.7
 - Biennial submission of list of waters, pollutants causing impairment and priority rankings for TMDL development

Nevada's 303(d) Listing Process

- **2006 General Listing Criteria**

- October 2000 – September 2005
- All existing and readily available data

NDEP

BLM

DRI

USGS

NDOW

Idaho DEQ

SNWA

Lahontan RWQCB

TMWRF

Nevada's 303(d) Listing Process

■ 2006 General Listing Criteria

- conventional pollutants and some toxics
 - >10 data points and BUS exceeded >10% of time
 - ≤10 data points and BUS exceeded ≥ 2 times
 - 1 exceedance insufficient to list
- toxics with acute/chronic standards
 - ≥2 exceedances in any three year block
- fish consumption advisory
- all waters on 2004 list unless delisting justified

Nevada's 303(d) Listing Process

■ 2006 General Delisting Criteria

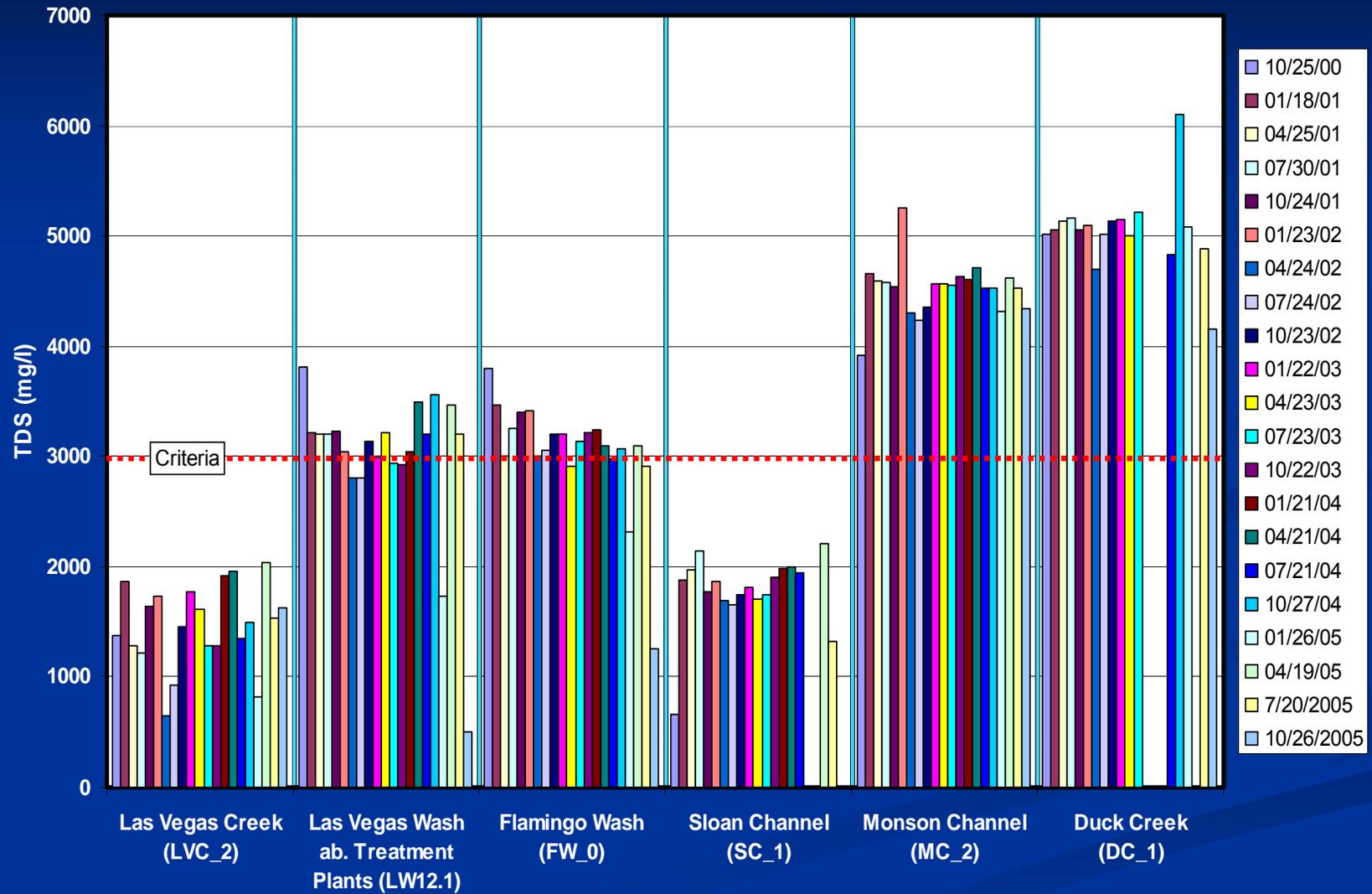
- conventional pollutants and some toxics
 - ≥ 10 data points and BUS exceeded $\leq 10\%$ of time
- toxics with acute/chronic standards
 - 1 or 0 exceedances during all three year blocks
- wqs changed and no longer exceeded
- previous listing was in error
- approved TMDL

Nevada's 303(d) Listing Process

■ Las Vegas Wash and Tributaries Listings

- Flamingo Wash—Se, TDS
- Sloan Channel—Se, pH
- Monson Channel—Se, TDS
- Duck Creek—Se, TDS
- Las Vegas Creek—Se, pH
- LVW above treatment plants—Se, TDS, Iron

Las Vegas Valley Waters on 2006 303(d) for TDS



TMDLs

- Required for 303(d) listed waters
- Amount of a pollutant a waterbody can receive and still meet the water quality standard
- Traditionally expressed as pounds/day
- Components
 - Problem statement
 - Source analysis
 - Target analysis
 - Load capacity and allocation
 - Margin of safety; seasonal variation; critical conditions

Nevada's Approach

- 303(d) List is planning tool for prioritizing waters for additional work
 - Collect more data
 - Evaluate water quality standards
 - Verify actual impairment
 - Determine local interest for TMDL implementation
- All waters designated as low priority for TMDL development (with exception of Lake Tahoe)
- SMP could potentially serve as a TMDL for Las Vegas Wash and Tributaries