

Chollas Creek TMDL Monitoring 2011-12 Update



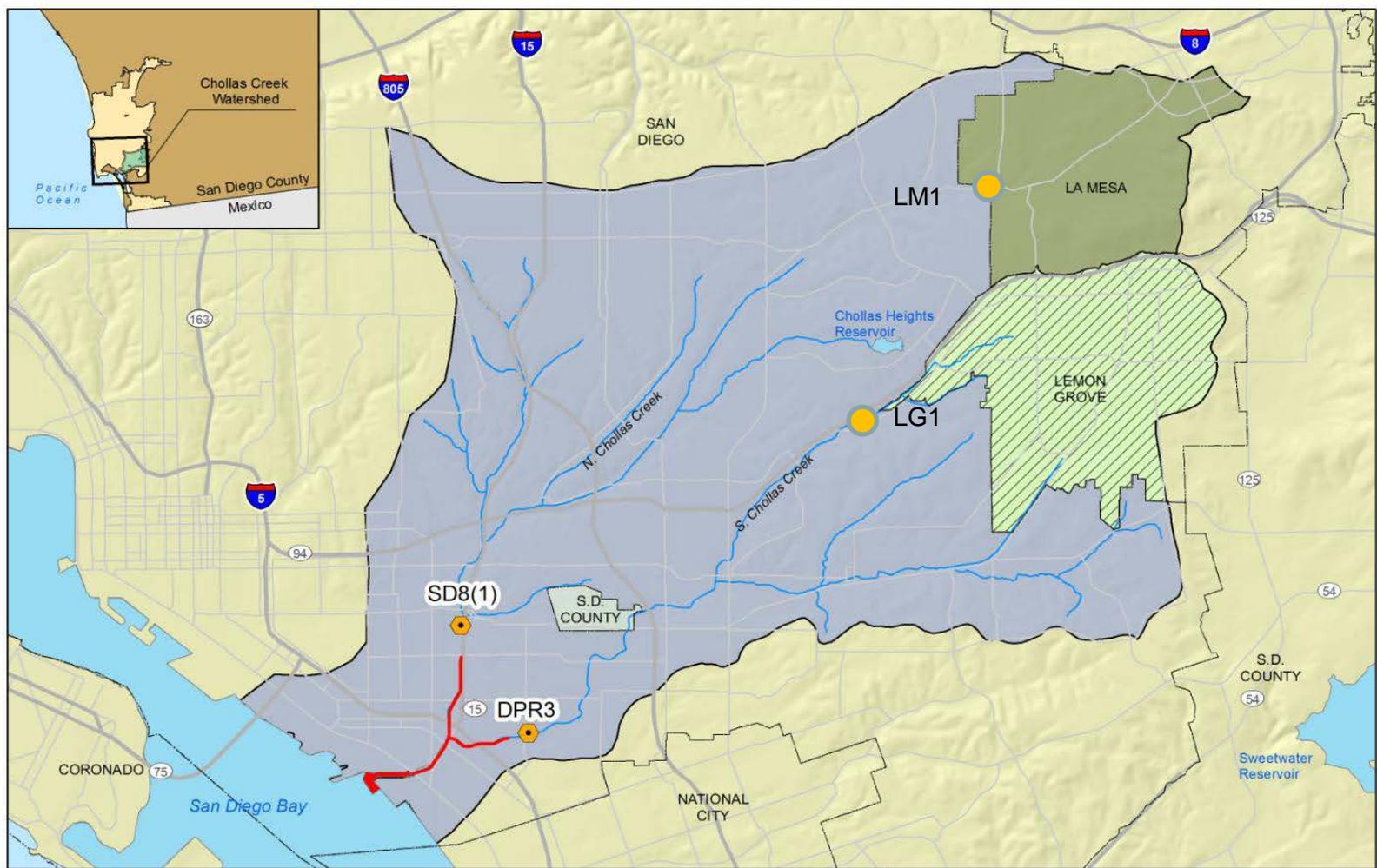
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Lemon Grove San Diego County

July 23, 2012

Presentation Overview

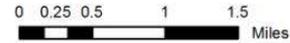
- **Chollas Creek Background**
- **Compliance Monitoring Results**
- **Findings/Trends**
- **Recommendations**
- **References**
- **Questions**

Chollas Creek Background



Legend

- Compliance Monitoring Site
- NHD Streams
- 2010 303(d) Listed Area
- Lakes
- Municipal Boundary
- Major Highway
- Major Road



**City of San Diego
Chollas TMDL Compliance Monitoring Sites**

Map Notes
 Produced for TMDL Compliance Monitoring
 Project No: 5013110021
 Date: 4/26/2012



Background continued Compliance Monitoring Sites DPR3



DPR2 is no longer conducive to measure flow data.

DPR3 bubbler tubing and sample tubing.

Compliance Monitoring Results

Dissolved Copper

	DPR3	SD8(1)
10/5/11	18	12
11/4/11	12	14
2/7/12	14	9.2

Units = micrograms per liter

- One sample at SD8(1) was below the Chronic and Acute WQO (Wet 3).
- Three samples exceeded for only Chronic. (**bold green**)
- Two exceeded for Chronic and Acute. (**bold blue**)
- However, using the Site Specific Water Effects Ratio, no samples exceeded the SSO WQO for Dissolved copper.

Compliance Monitoring Results Dissolved Lead and Zinc

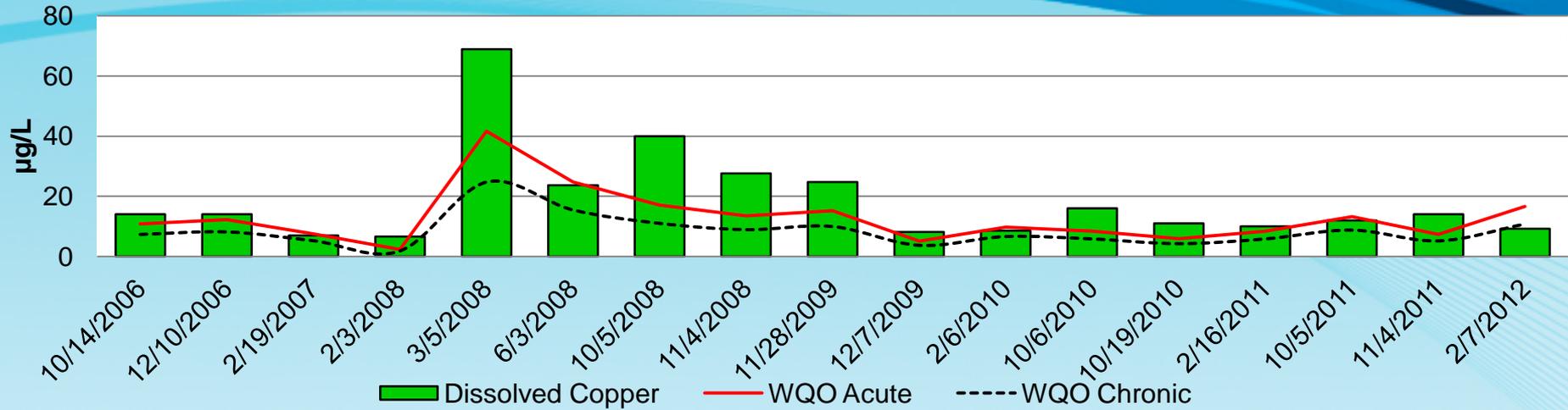
- **Dissolved lead results below WQO**
- **Dissolved zinc results below WQO**

Compliance Monitoring Results for Diazinon & Toxicity

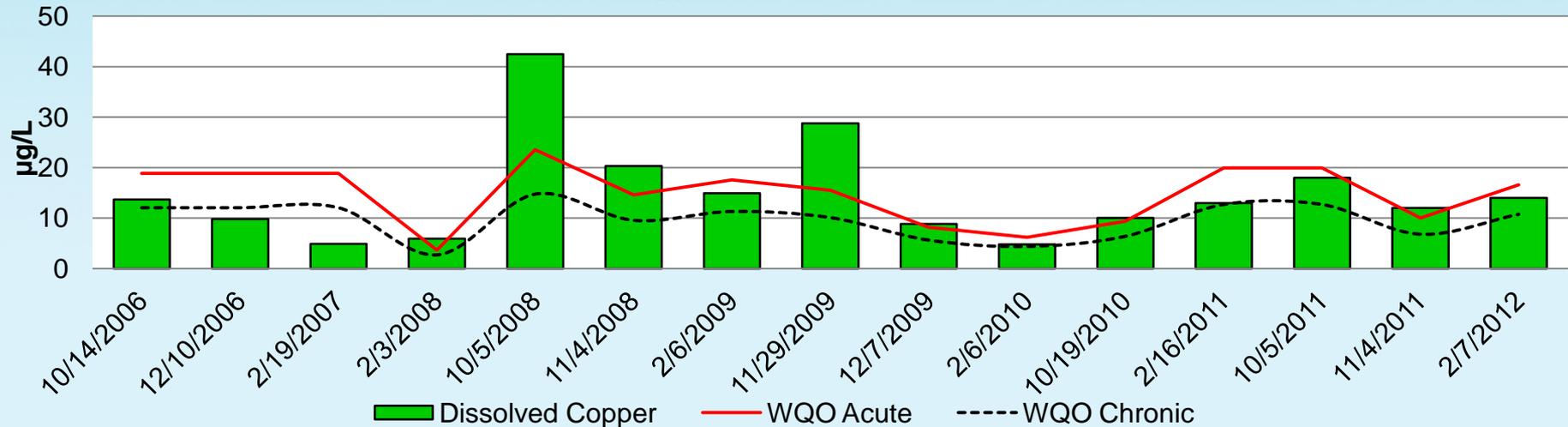
- **Diazinon was not detected**
- **Toxicity results showed no acute nor chronic toxicity**

Historic Trends – Copper

Dissolved Copper Concentrations at SD8(1)



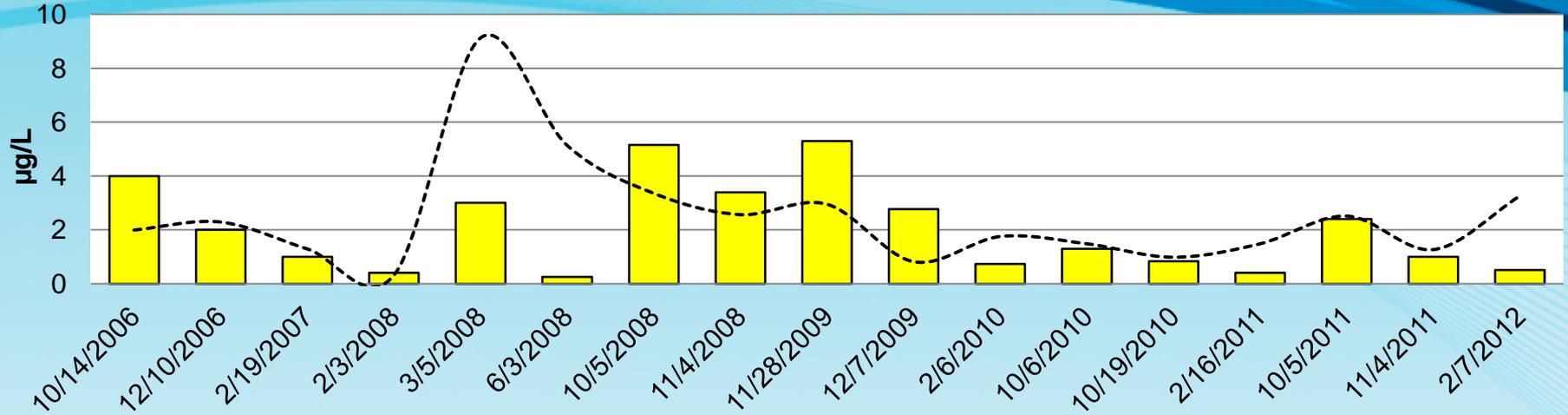
Dissolved Copper Concentrations at DPR3



Historic Trends - Lead

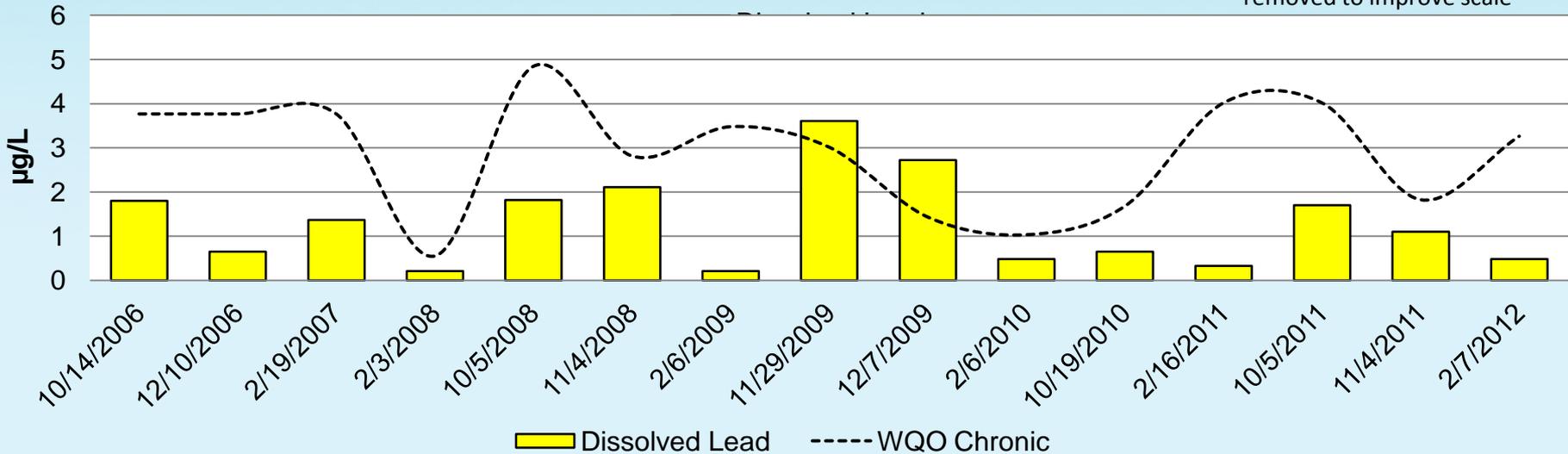
Dissolved Lead Concentrations at SD8(1)

Note: Acute WQO was removed to improve scale

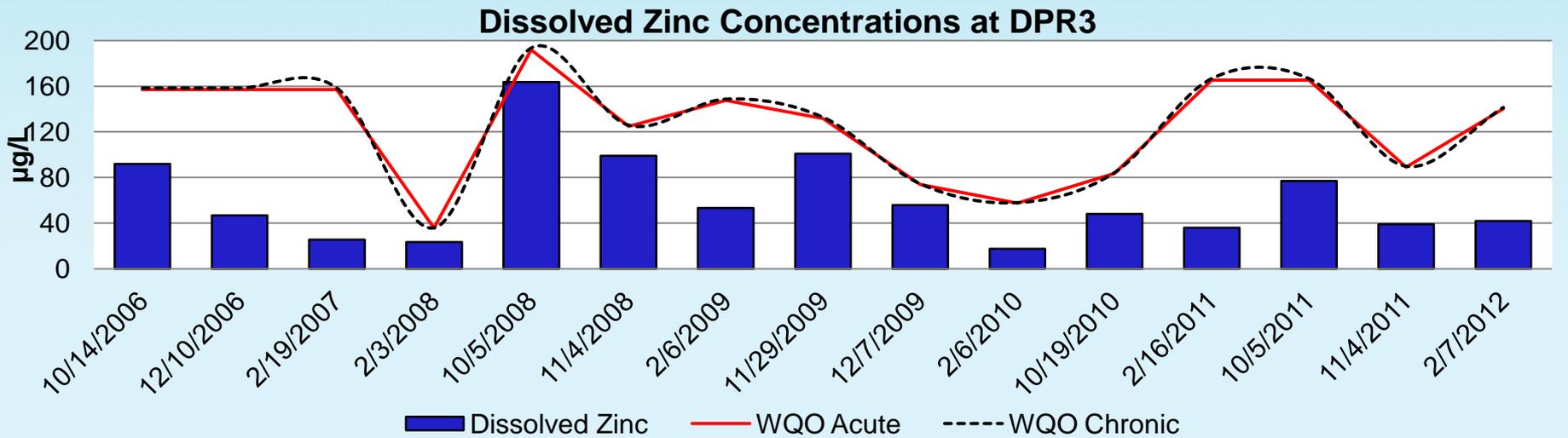
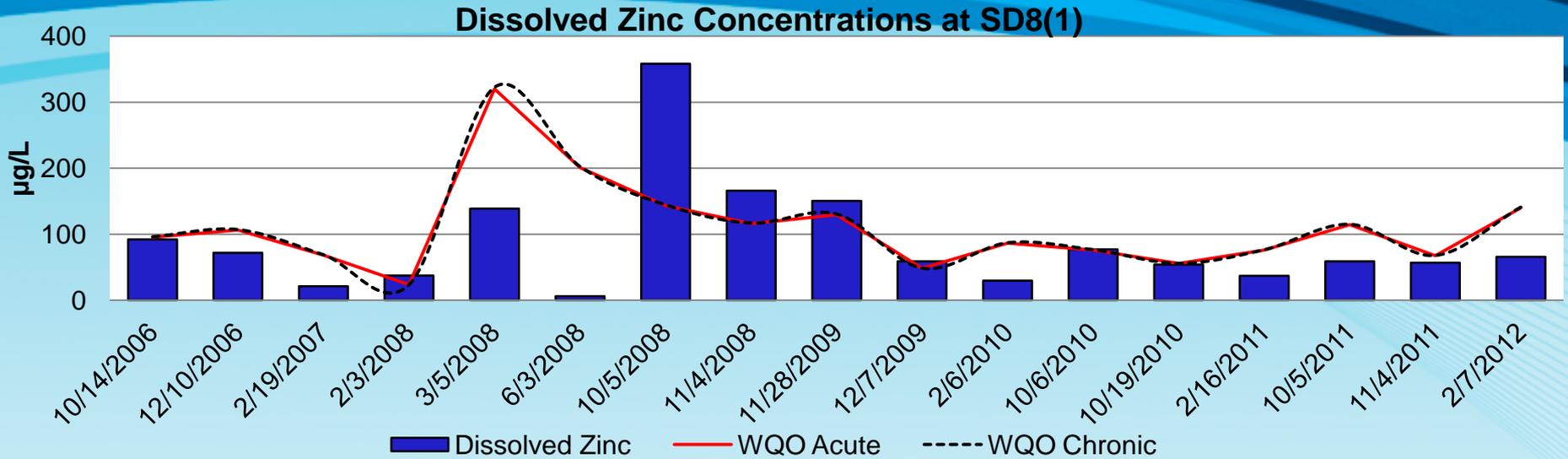


Dissolved Lead Concentrations at DPR3

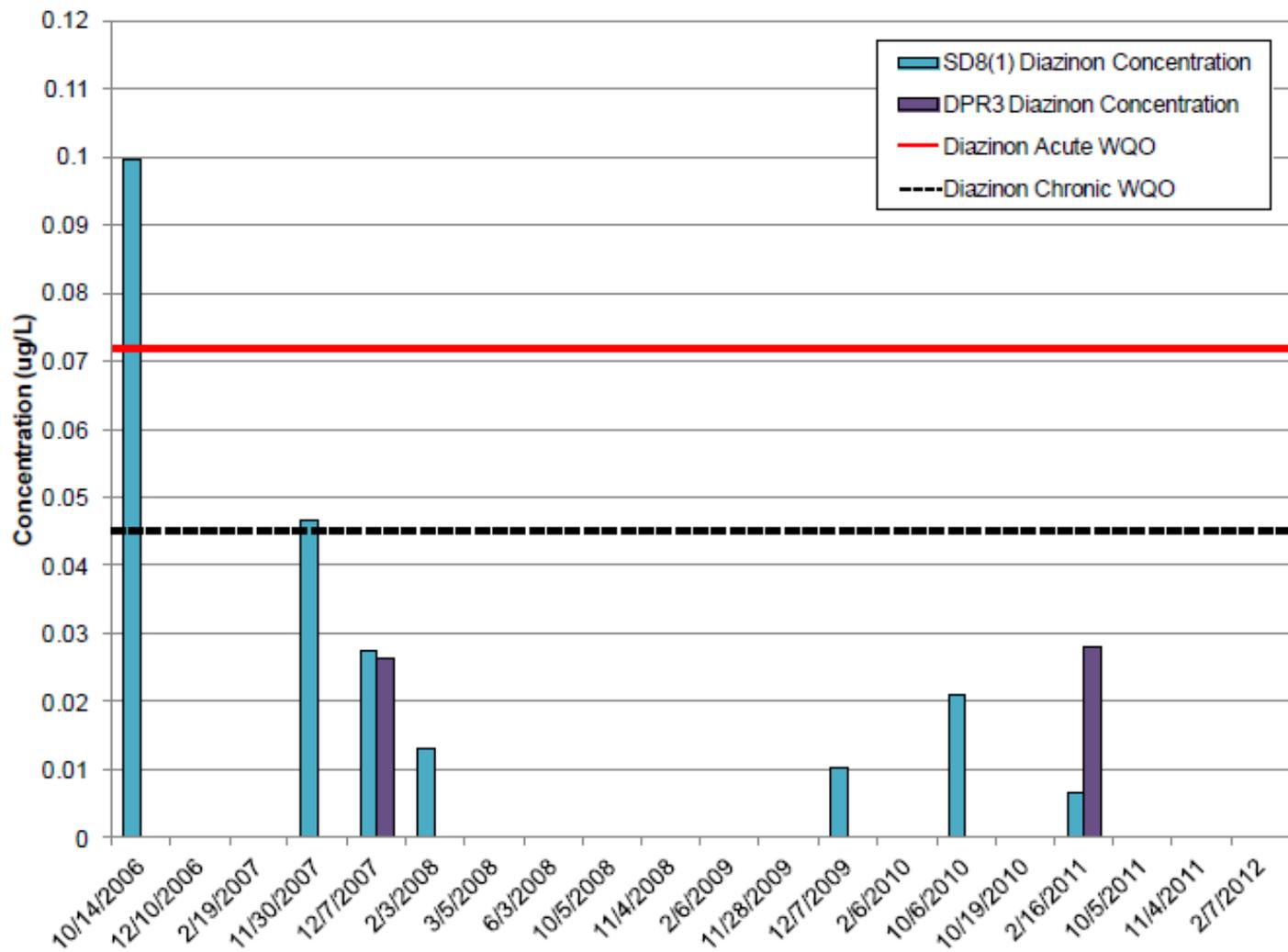
Note: Acute WQO was removed to improve scale



Historic Trends – Zinc



Trends – Diazinon



Compliance Monitoring Results Summary

In 2011-12:

- **Copper - exceeded WQO in all but one sample, except when site specific objective WER is used.**
- **Lead - below WQO**
- **Zinc - below WQO**
- **Diazinon - below WQO**
- **Toxicity - below WQO**

Recommendations

- 1. Continue to evaluate compliance of TMDLs for Diazinon & Metals to assess long term trends in monitoring data.**
- 2. Continue to incorporate an alternative assessment of compliance with the TMDL waste load allocations using the site specific objective water effect ratios for dissolved copper, lead and zinc.**
- 3. Include additional constituents as part of the compliance program.**

References

Information is online at:

[www.sandiego.gov/stormwater/
plansreports/chollas.shtml](http://www.sandiego.gov/stormwater/plansreports/chollas.shtml)

Questions?