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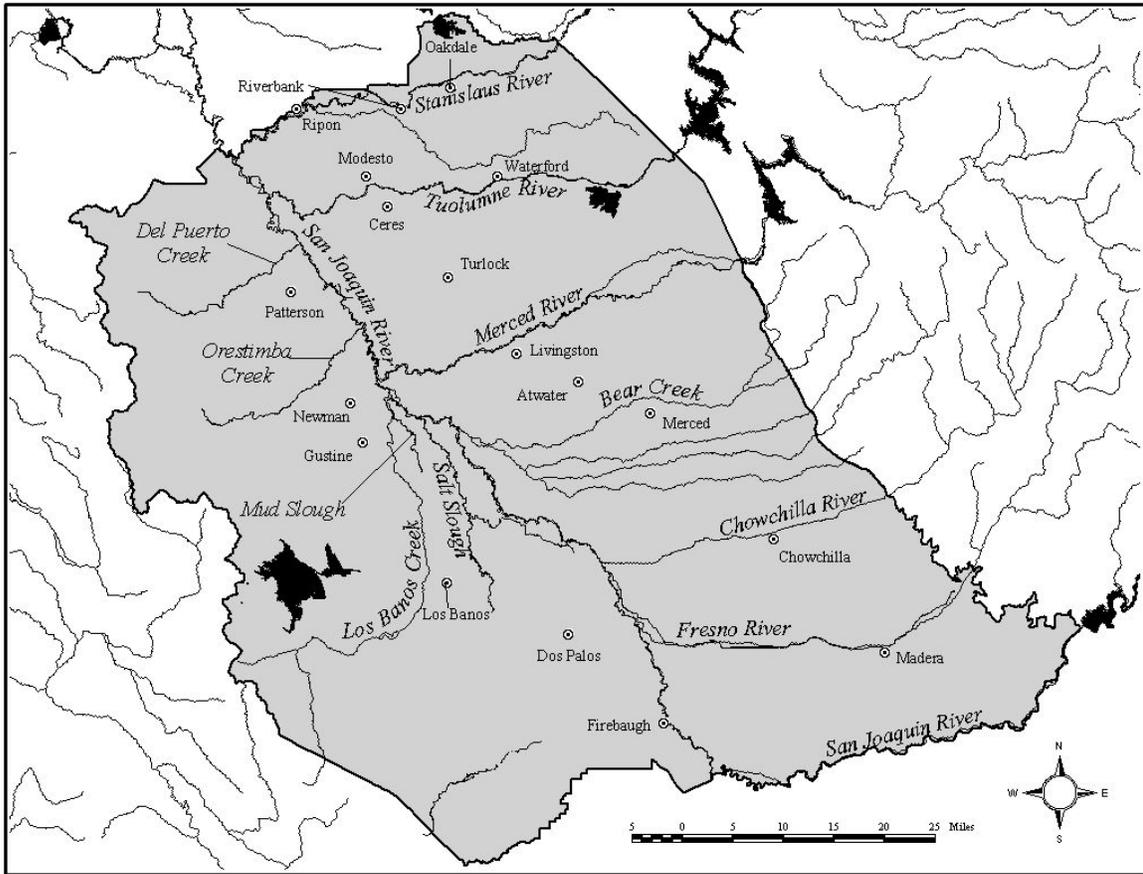


Figure 1.1 Location Map of the Lower SJR Basin

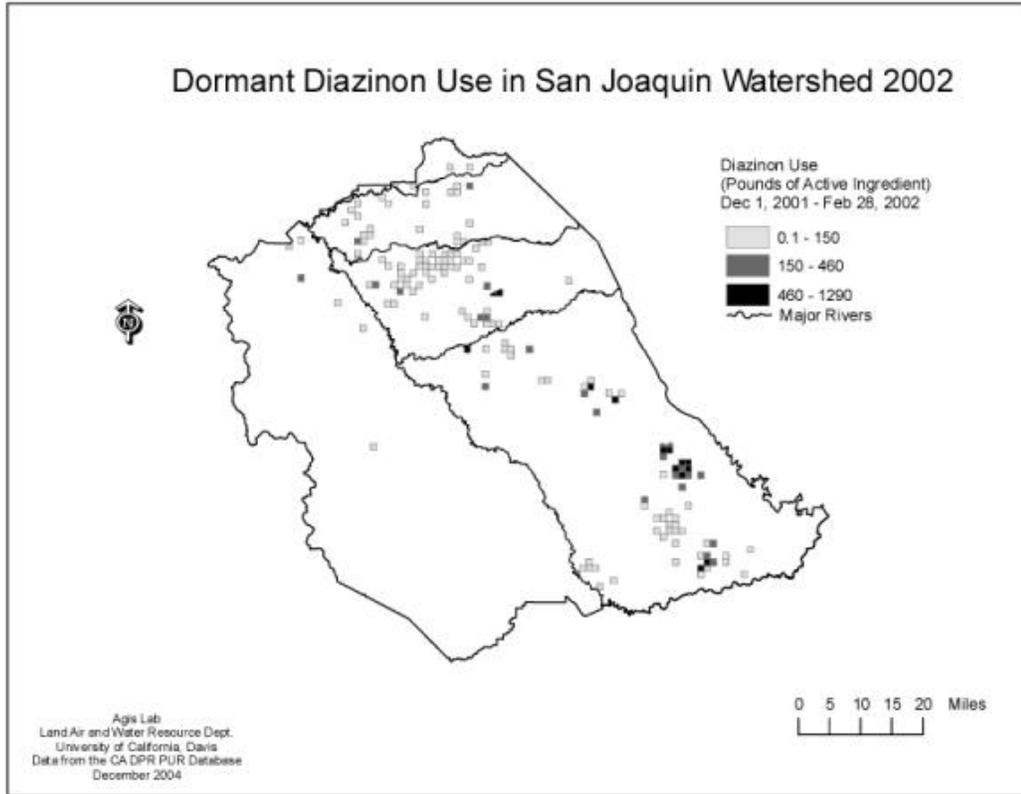


Figure 1.2 Dormant Season Diazinon Use in the SJR Watershed 2002

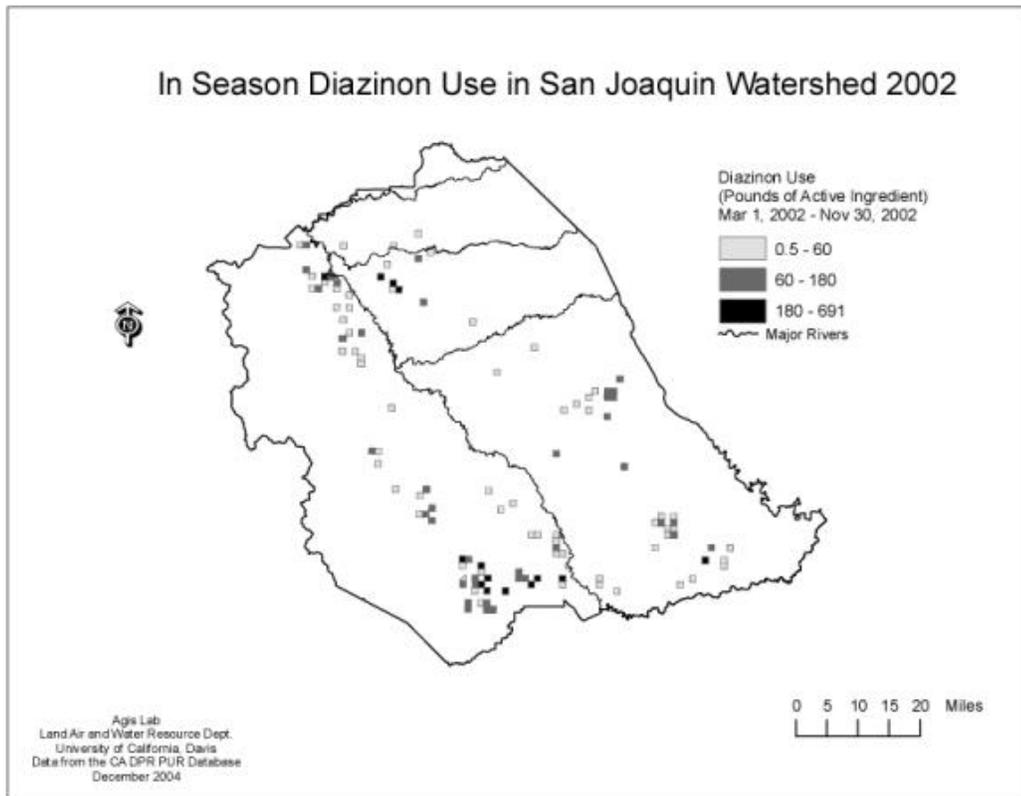


Figure 1.3 Irrigation Season Diazinon Use in the SJR Watershed 2002

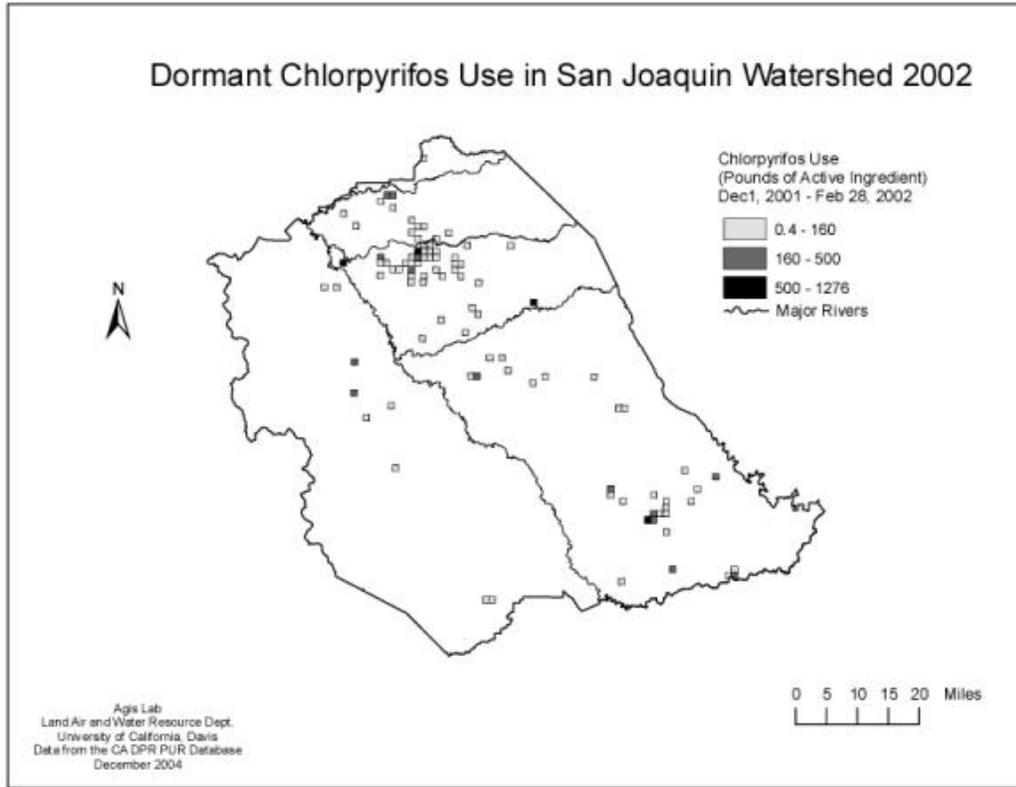


Figure 1.4 Dormant Season Chlorpyrifos Use in the SJR Watershed 2002

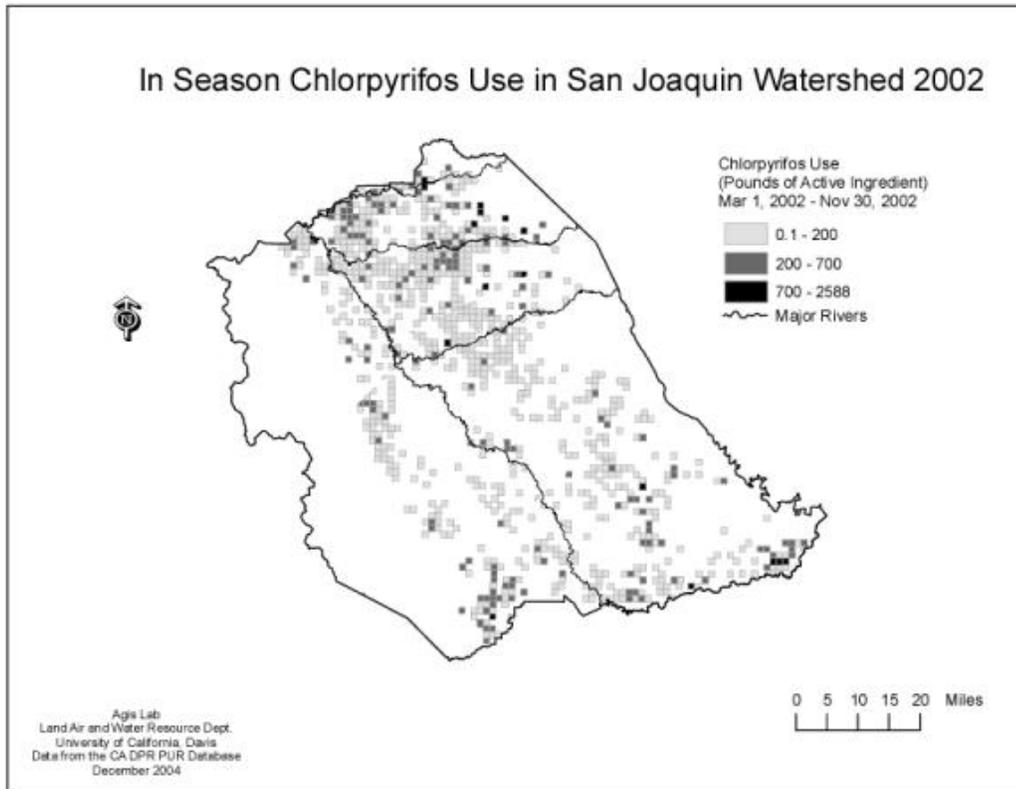


Figure 1.5 Irrigation Season Chlorpyrifos Use in the SJR Watershed 2002

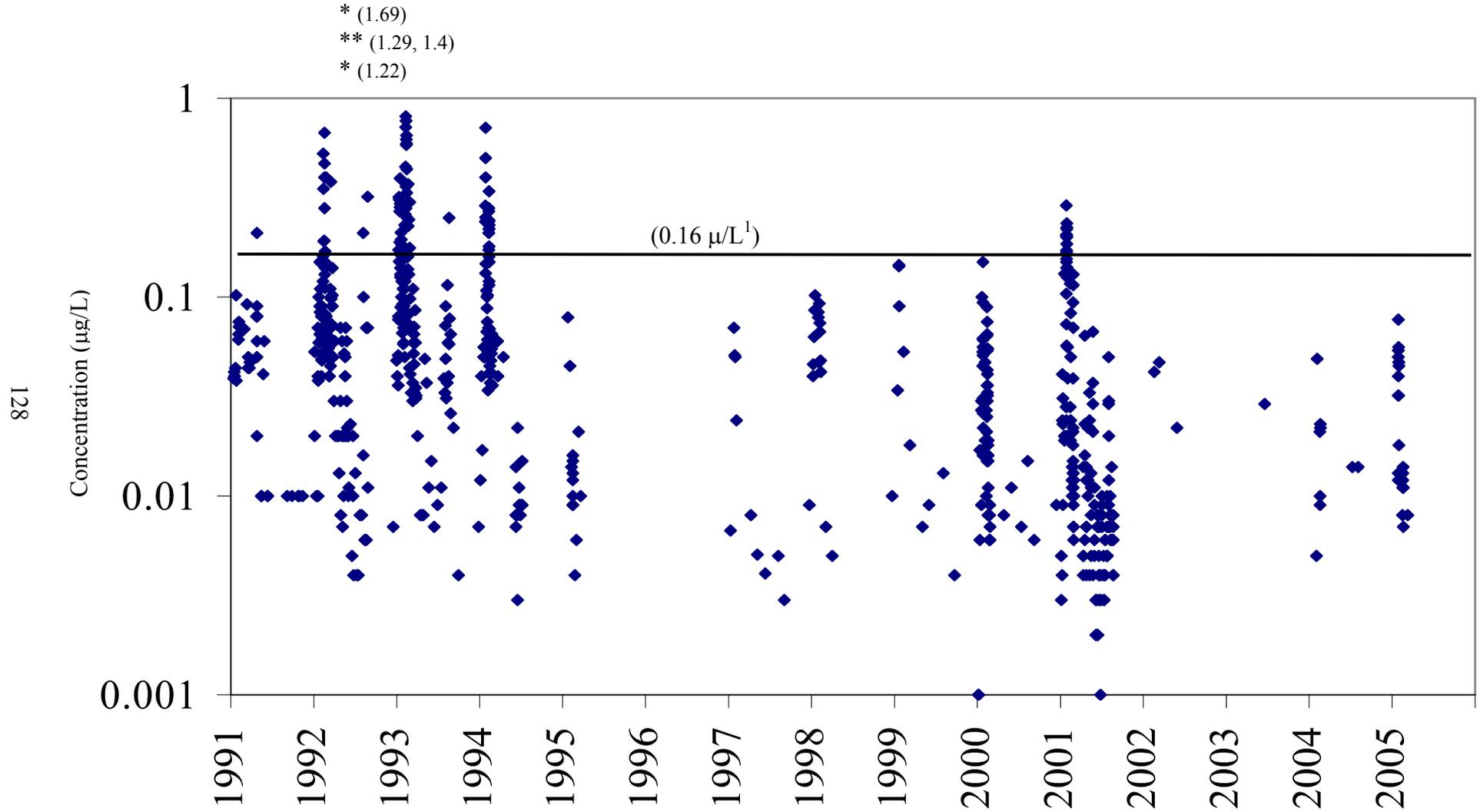


Figure 1.6. Diazinon concentrations for SJR at mainstem stations 1991-2005.

Not shown are 869 non-detect values.

¹Acute toxicity water quality objective for diazinon = 0.16µ/L

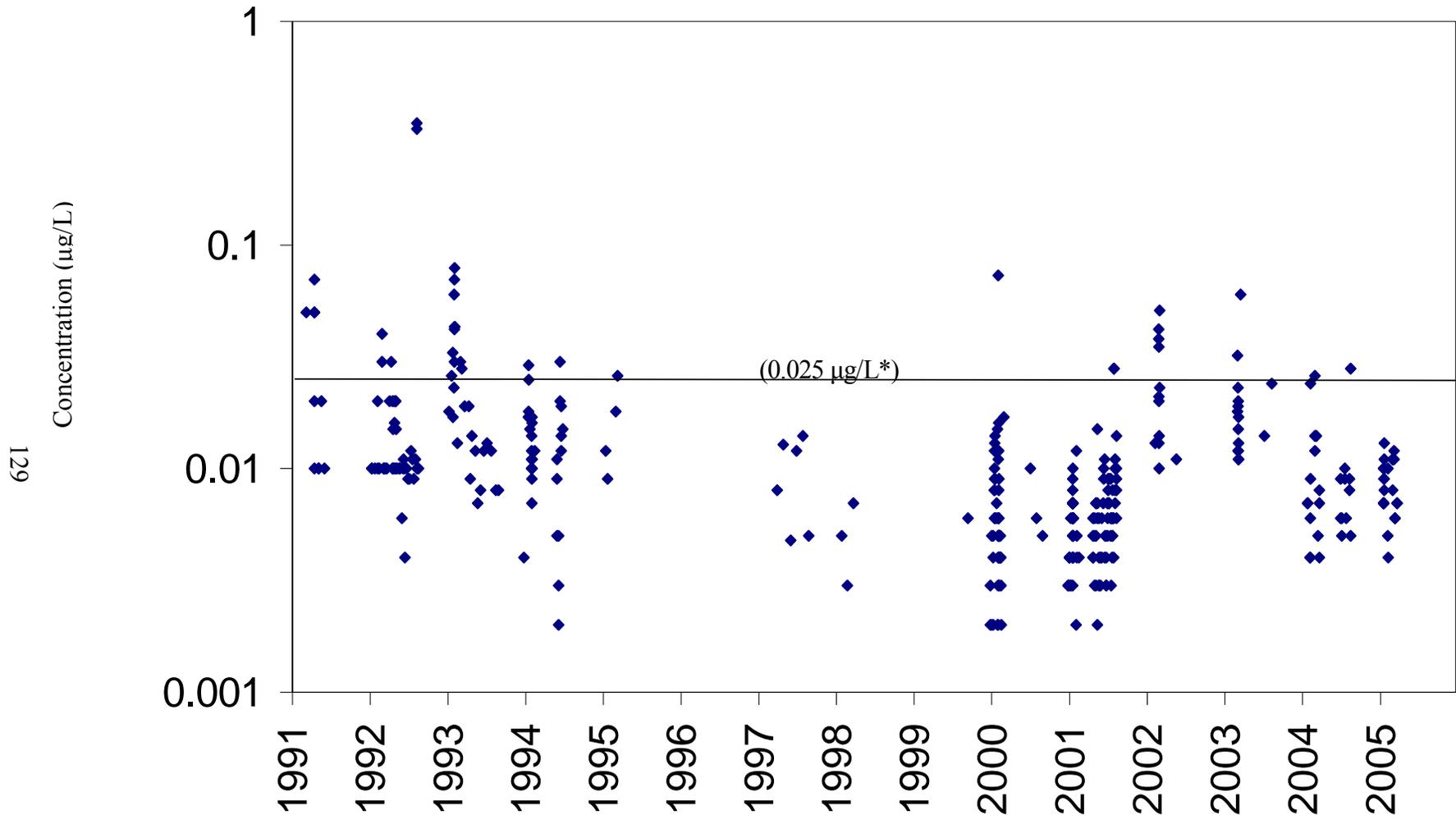


Figure 1.7. Chlorpyrifos concentrations for SJR at mainstem stations 1991-2005.

Not shown are 1,006 non-detect concentration values.

*Acute water quality objective for chlorpyrifos = 0.025 $\mu\text{g/L}$

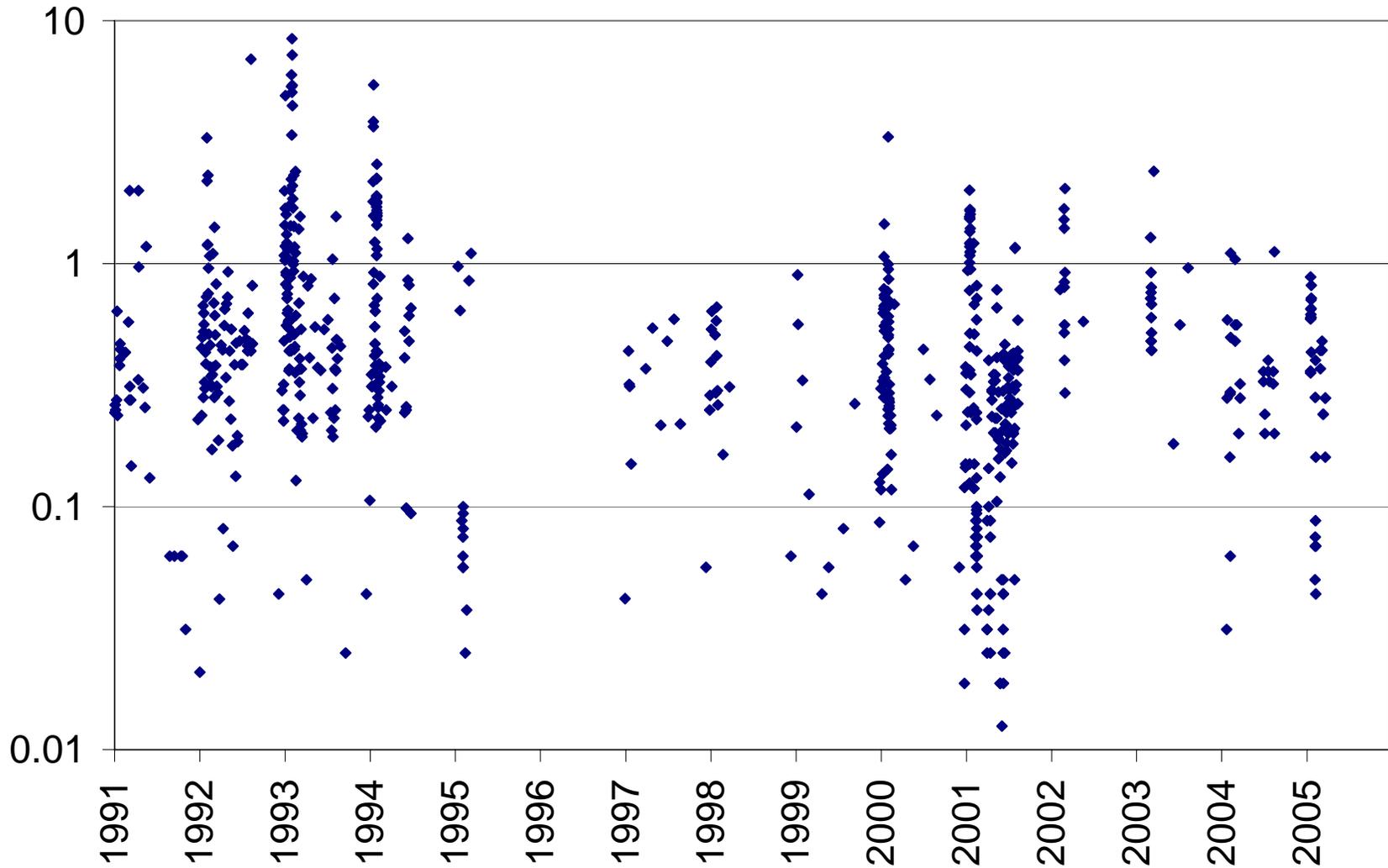


Figure 1.8. Basin Plan method analysis of combined chlorpyrifos and diazinon toxicity in San Joaquin River at mainstem stations 1991-2005 . Data points plotting above 1 represent non-compliance with the additive toxicity formula. Not shown are 650 non-detect concentration values.

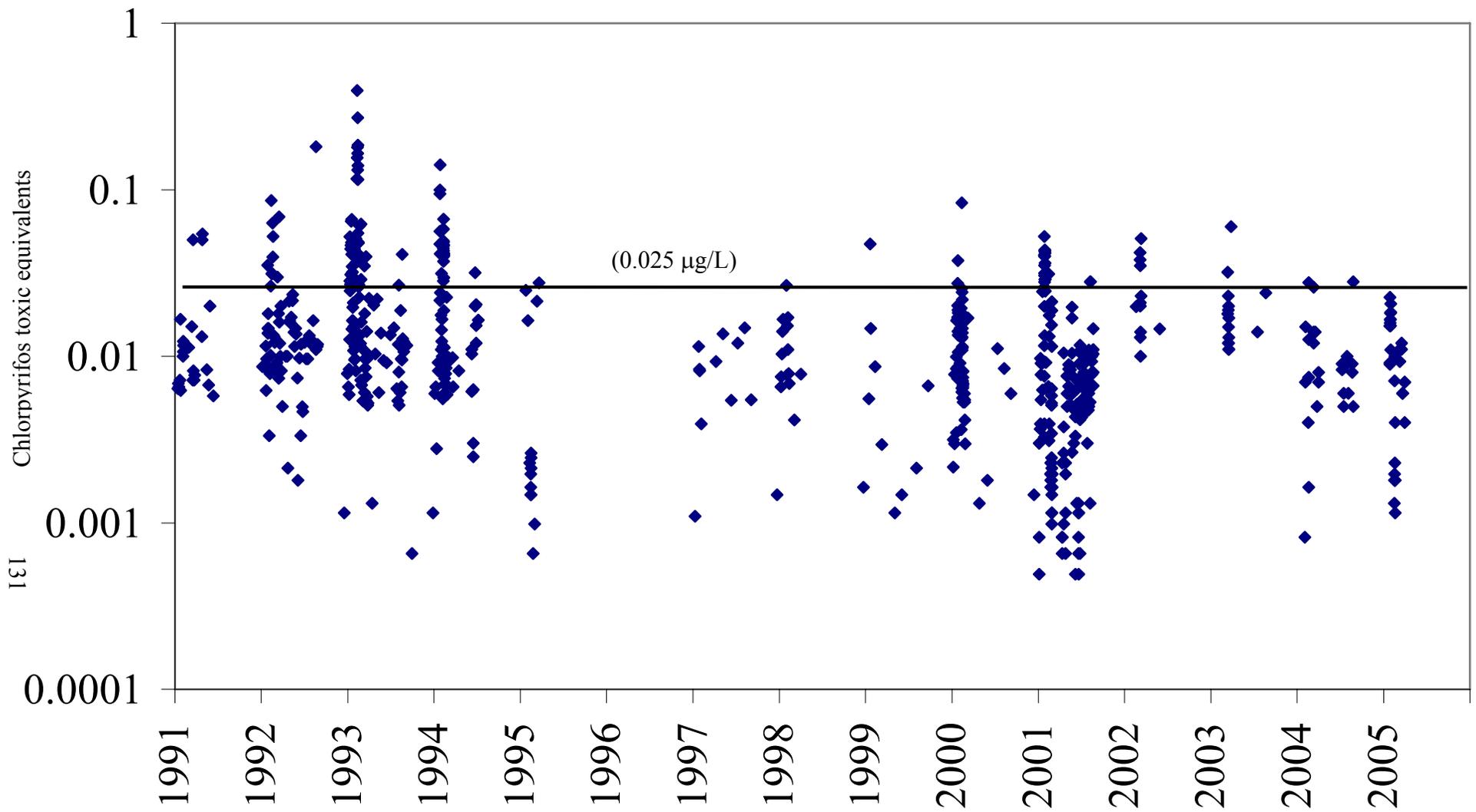


Figure 1.9 Toxic equivalents method analysis of combined diazinon and chlorpyrifos toxicity in mainstem SJR.
1991-2005 Not shown are 650 non-detect concentration values.

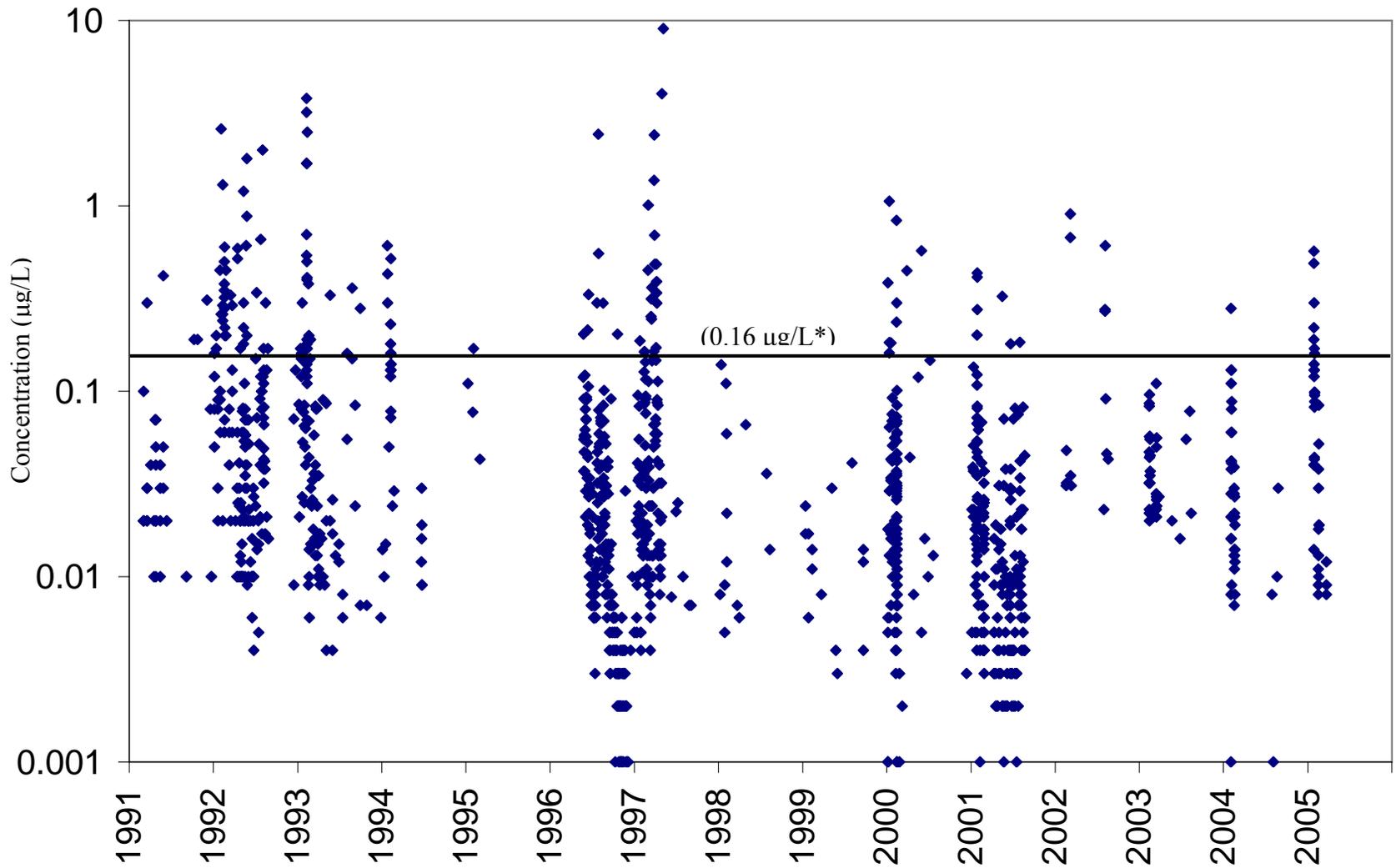


Figure 1.10. Diazinon concentrations in SJR tributaries 1991-2005.

Not shown are 641 non-detect concentration values

*Acute toxicity water quality objective for diazinon = 0.16 µg/L

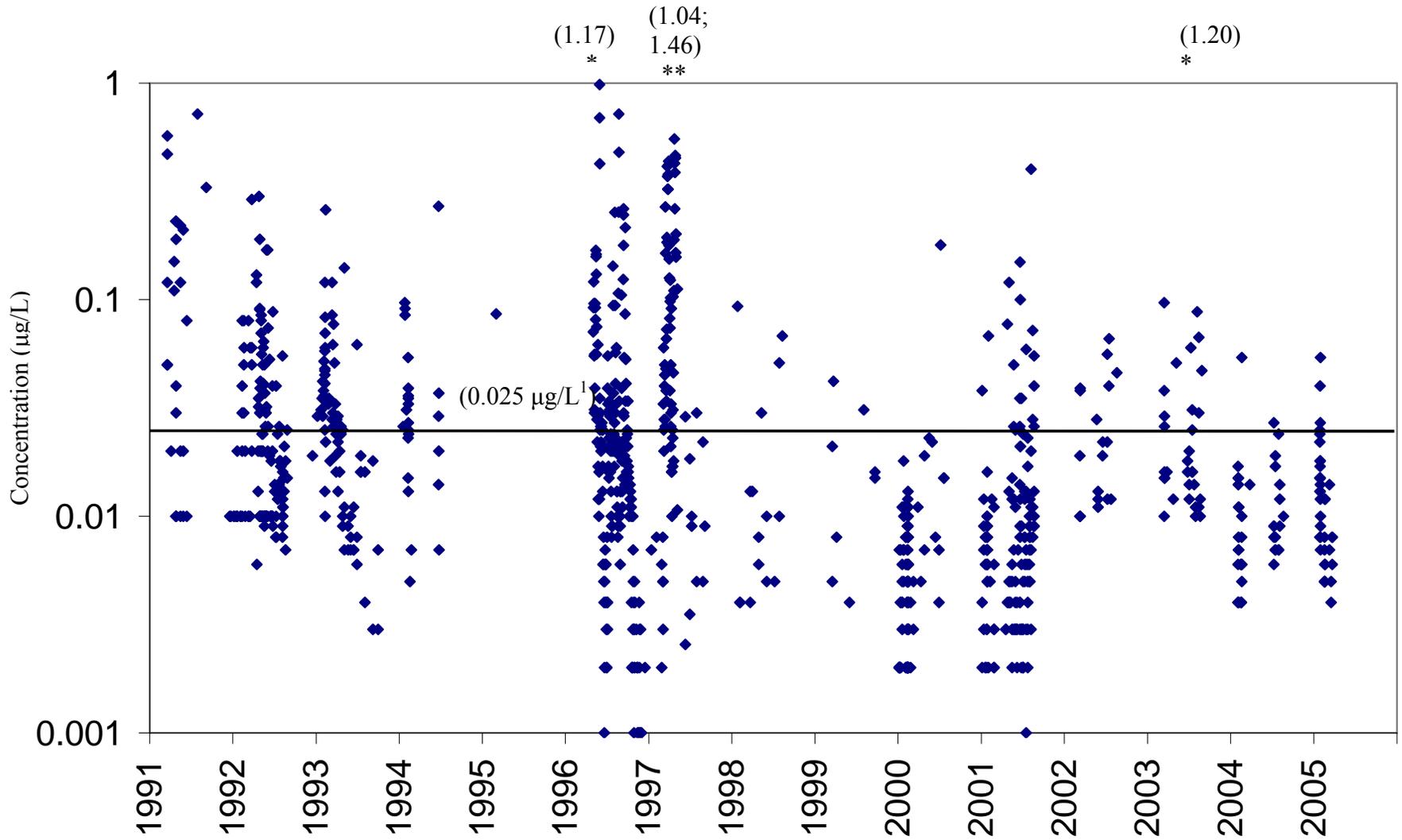


Figure 1.11. Chlorpyrifos concentrations in SJR tributaries 1991-2005.

Not shown are 849 non-detect concentration values.

¹Acute water quality objective for chlorpyrifos = 0.025 µg/L

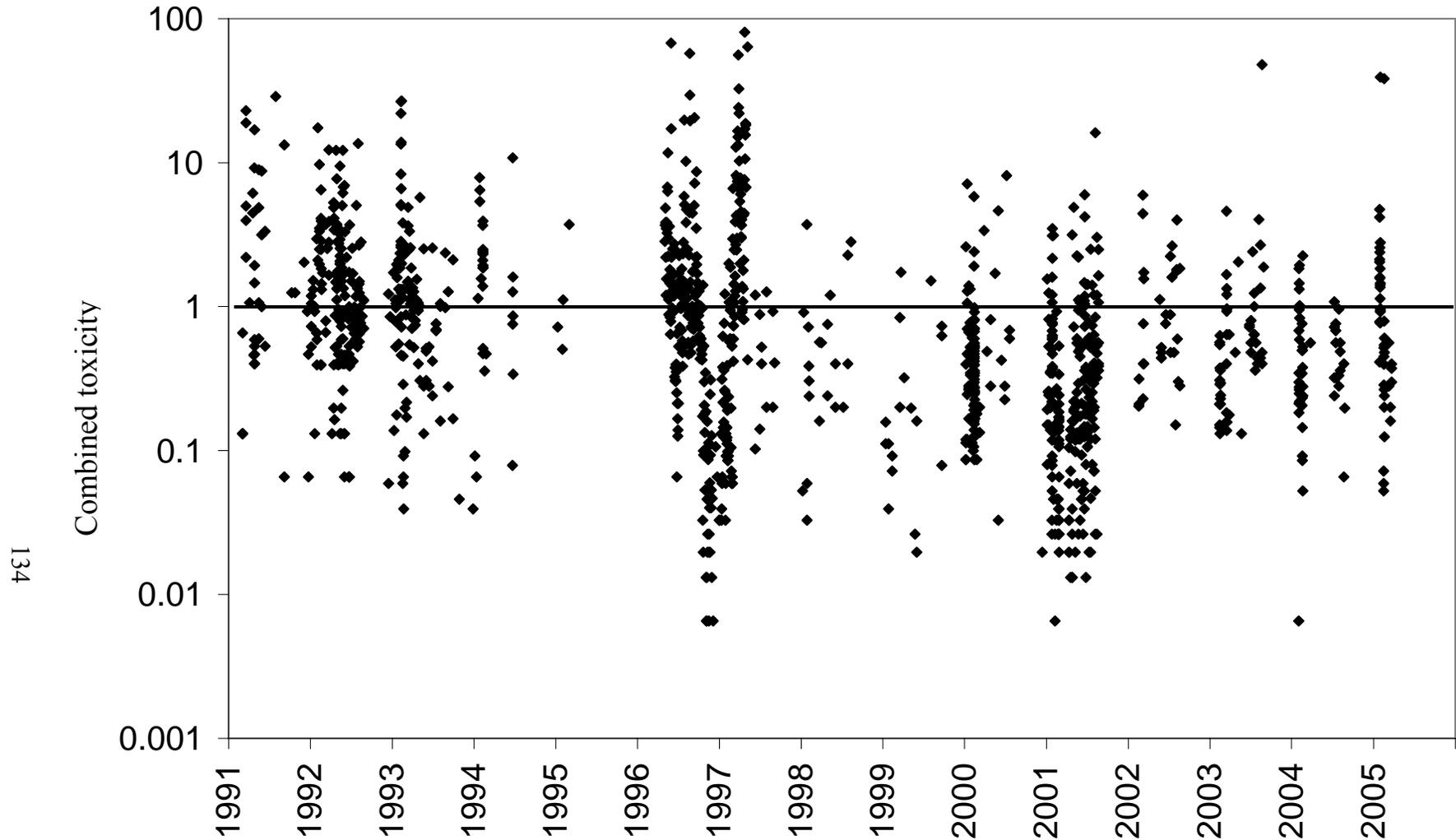


Figure 1.12. Basin Plan method analysis of combined chlorpyrifos and diazinon toxicity in SJR tributaries 1991-2005.

Not shown are 532 non-detect values. Values equal to or greater than 1 represent non-compliance with the additive toxicity formula.

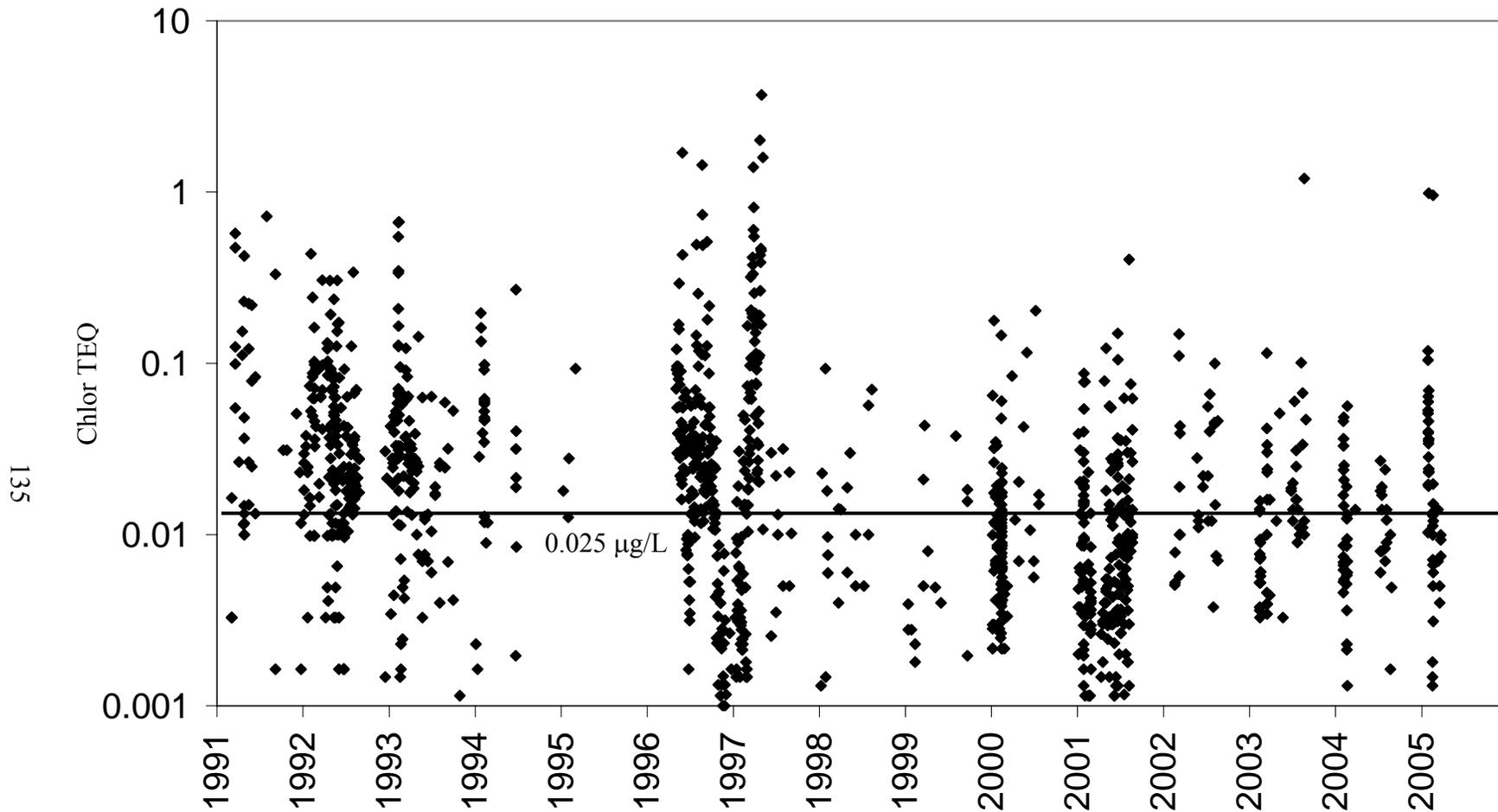


Figure 1.13 Toxic Equivalents Method Analysis of Combined Diazinon and Chlorpyrifos Toxicity in SJR Tributaries (1991 – 2005)

Not shown are 532 non-detect values. Values greater than 0.025 represent non-compliance with the additive toxicity formula.

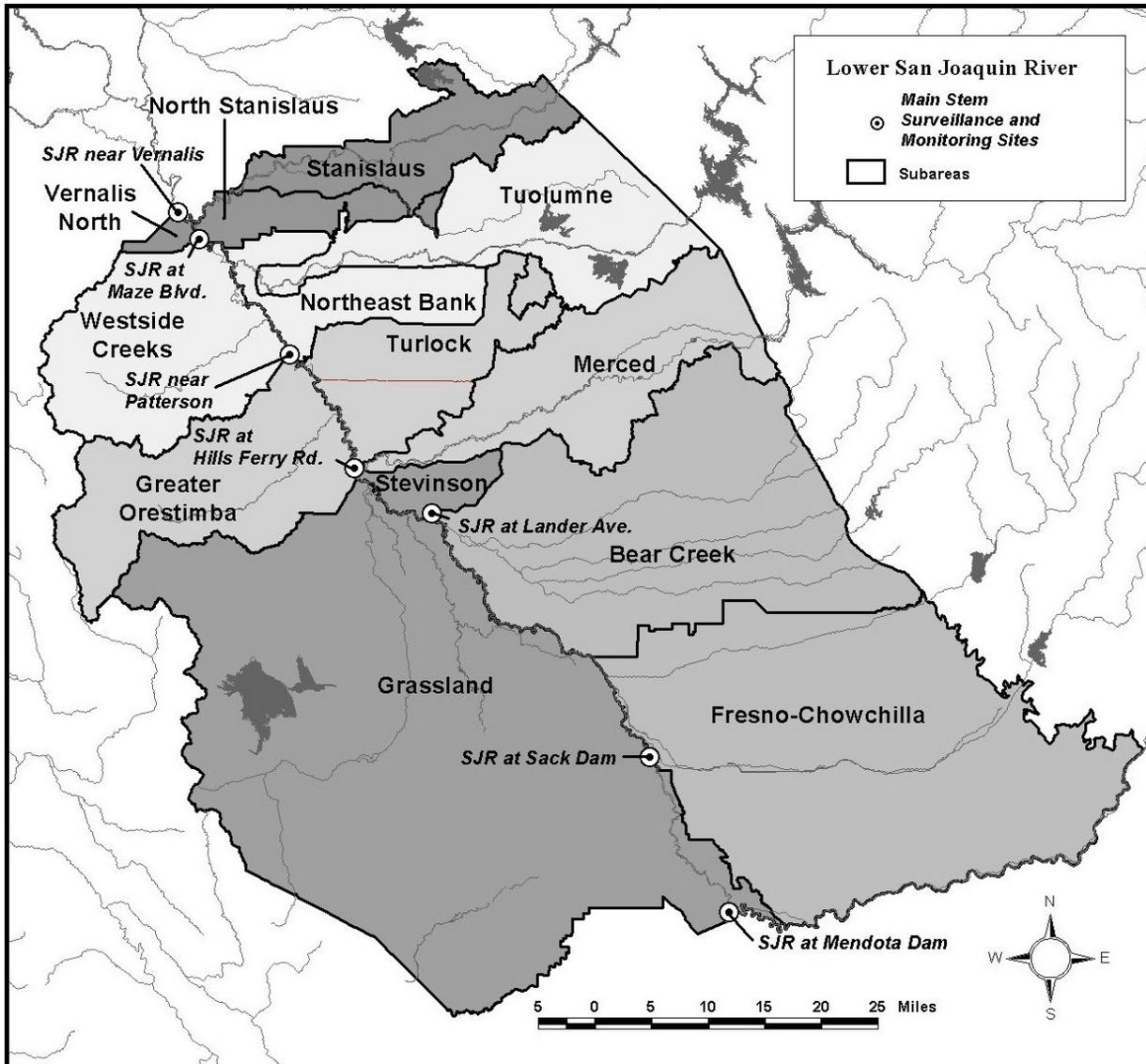


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