

# Walla Walla Basin Pesticide Stewardship Partnership: 2008 Monitoring Update



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# Pesticide Stewardship Partnership Approach

*Using collaborative partnerships, local expertise and voluntary actions to produce measurable water quality improvements*



# Walla Walla Pesticide Stewardship Partnership: Who are the Partners?

- *Oregon State University Extension Service*
- *Blue Mountain Horticultural Society*
- *Walla Walla Basin Watershed Council*
- *Oregon Department of Environmental Quality*
- *Oregon Department of Agriculture*

# Walla Walla Pesticide Stewardship Partnership: 2008 Developments

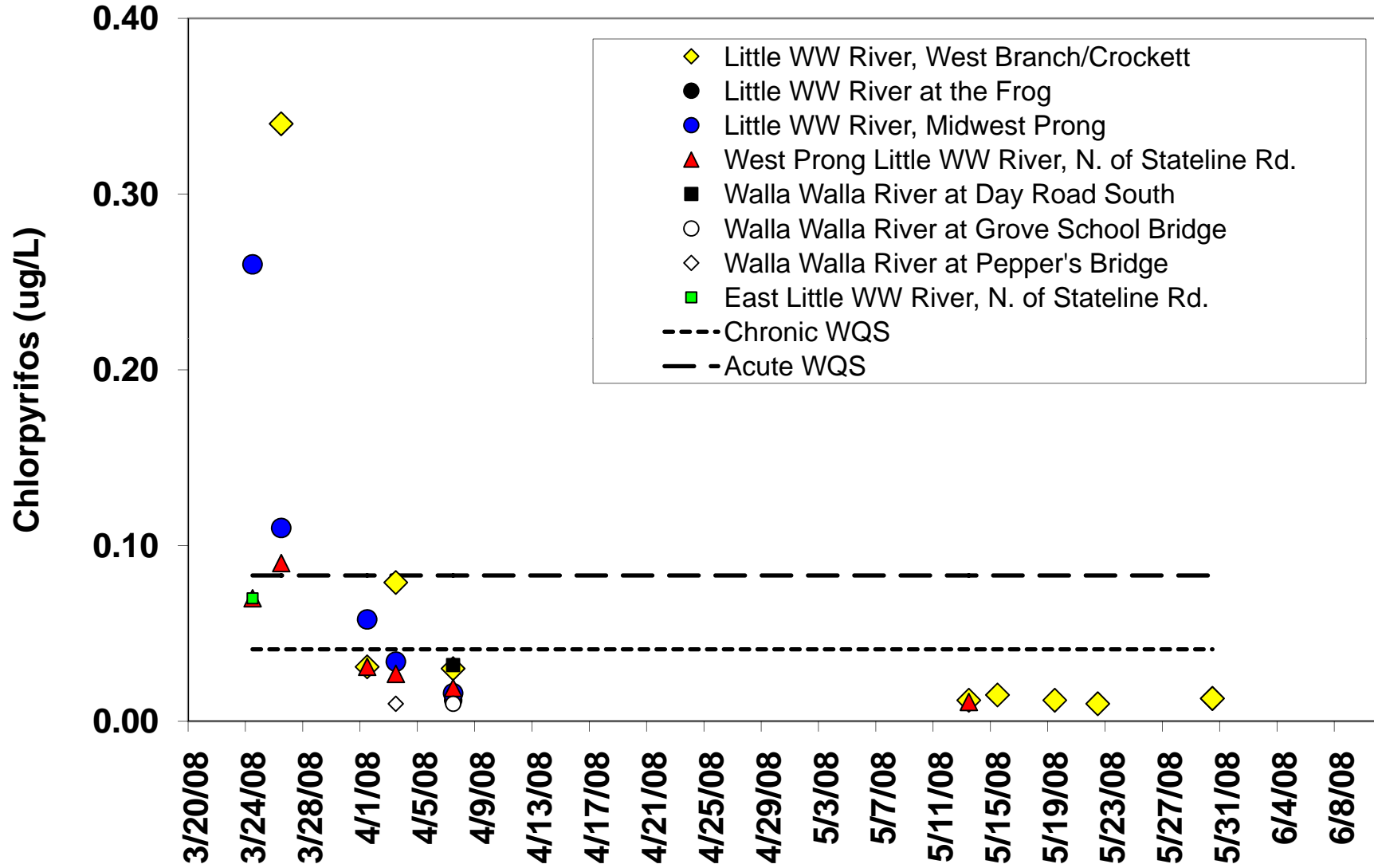
- **Monitoring**

- *Detection Limit reduced from 0.025 ug/l to 0.01 ug/l (Azinphos-Methyl WQS = 0.01 ug/l)*
- *Dropped analysis of Organophosphate “break-down products” (very few detections & expensive to look for)*

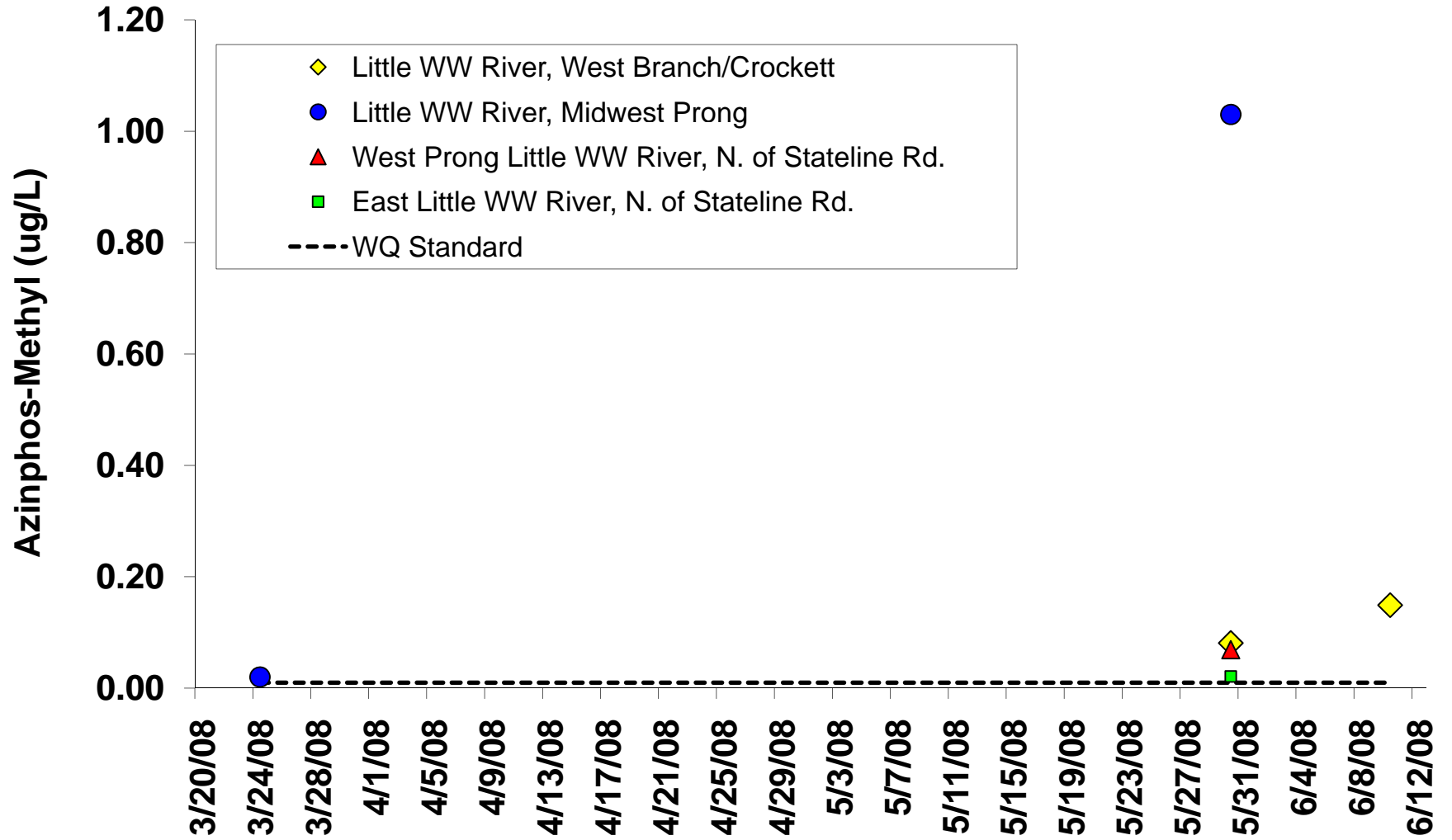
- **Pesticide Waste Collection**

- *July 2008 event resulted in collection of over 10,000 pounds of pesticide-related waste and 2,000 pounds of empty containers for recycling*
- *Total for 2007 and 2008 events:*
  - *Approximately 18,000 lbs of pesticide waste*
  - *5,000 lbs of empty plastic pesticide containers for recycling*

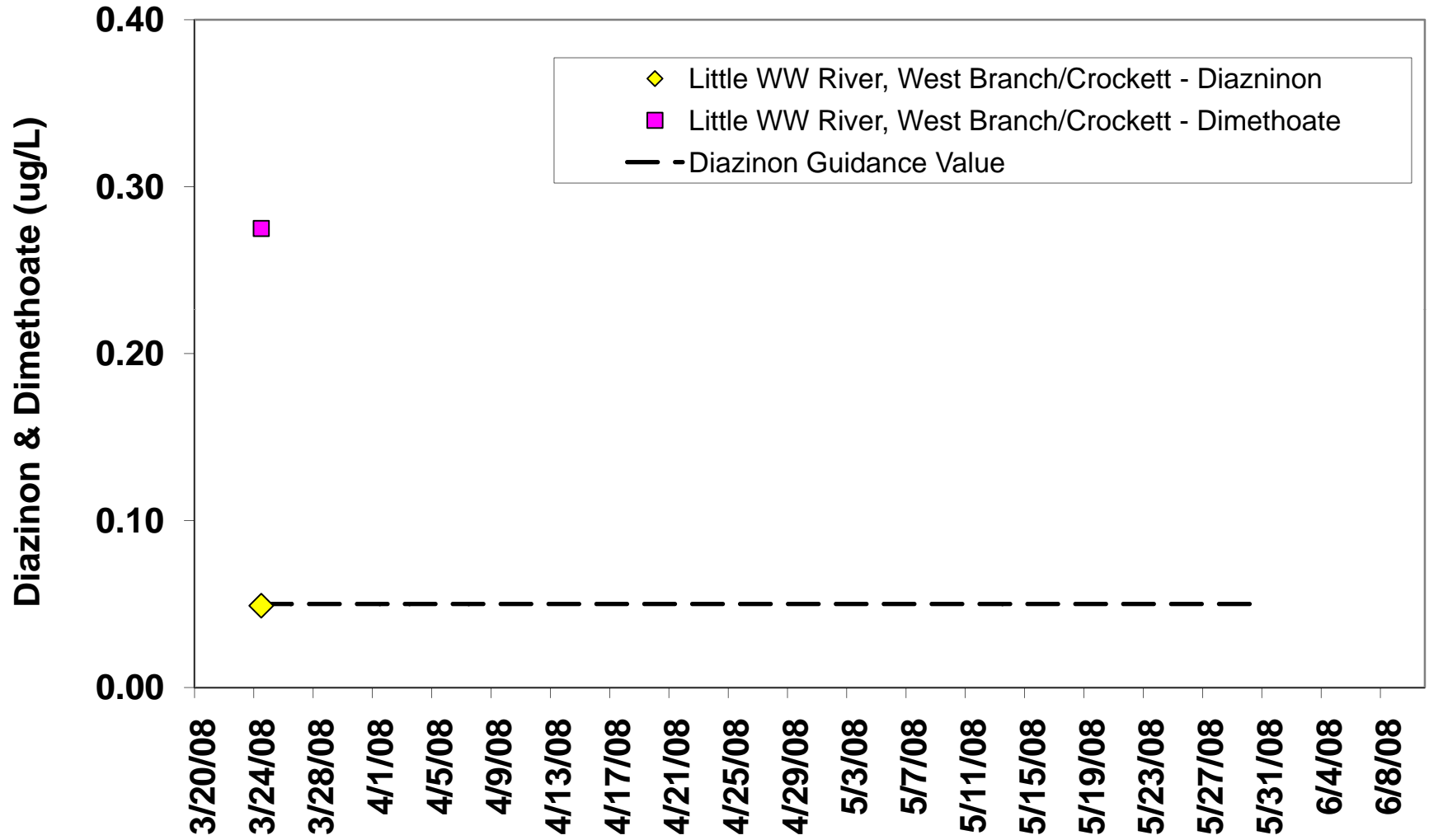
### Walla Walla Basin - 2008 Chlorpyrifos Detections



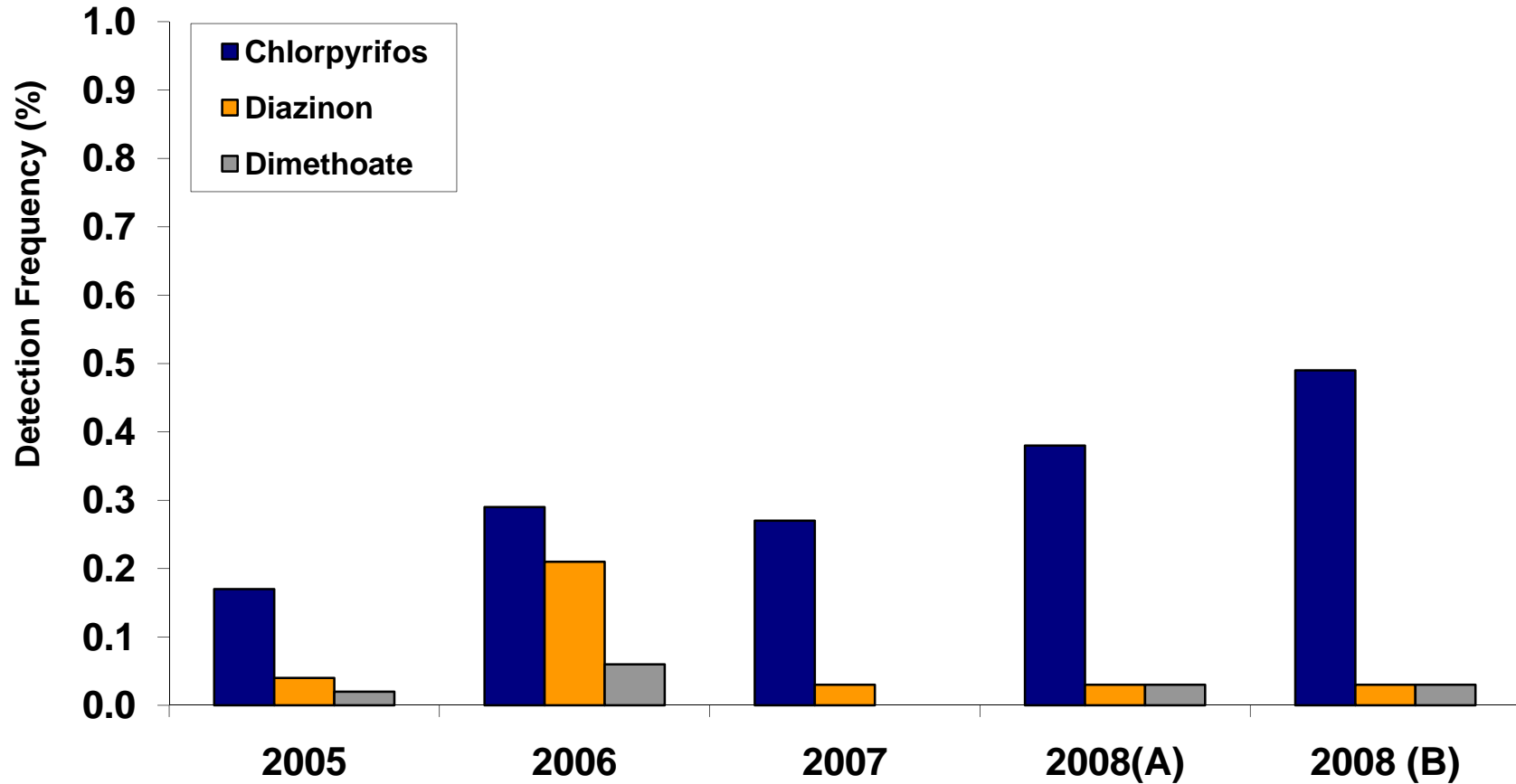
# Walla Walla Basin - 2008 Azinphos-Methyl Detections



### Walla Walla Basin - 2008 Diazinon & Dimethoate Detections



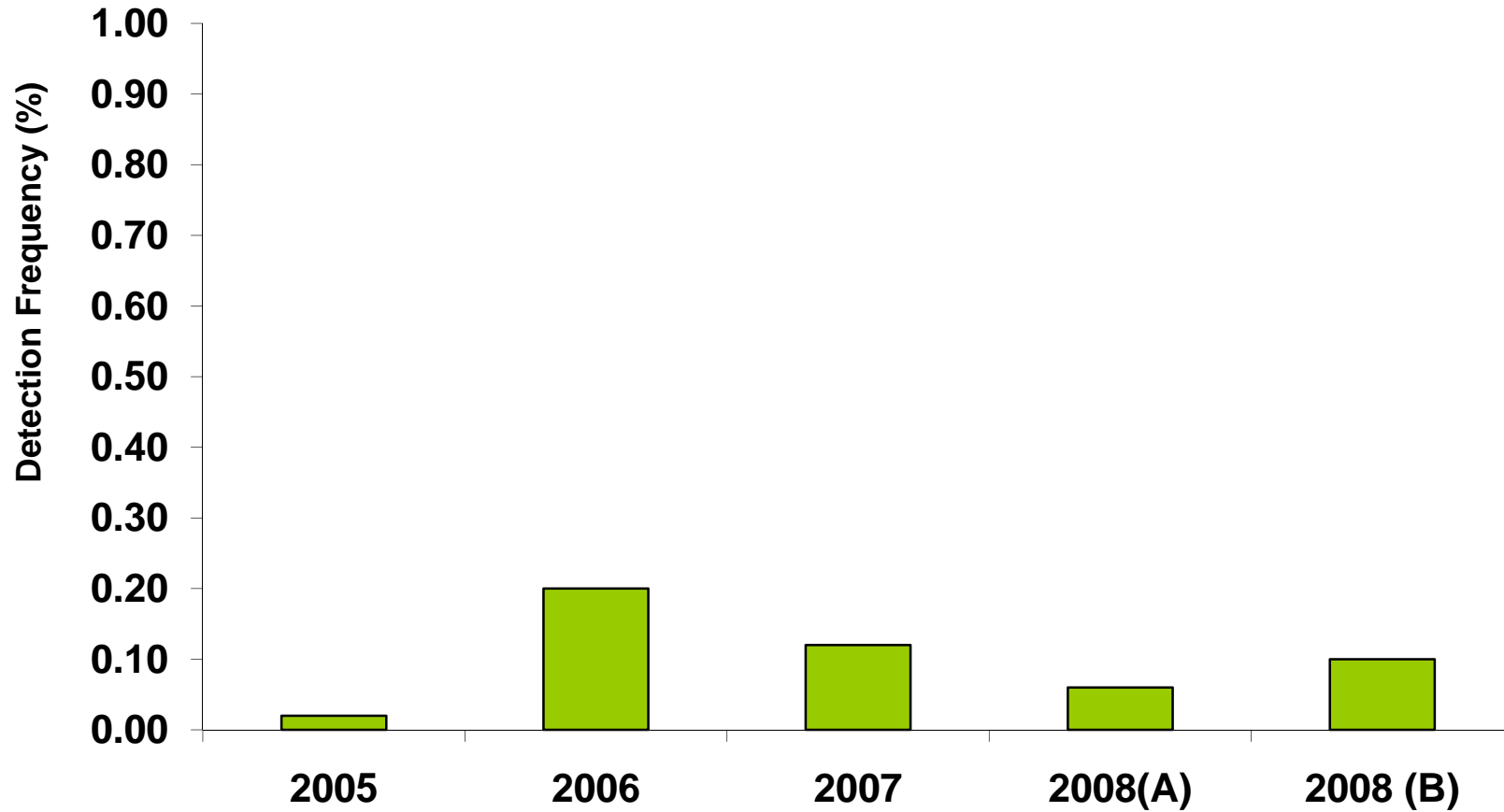
## Walla Walla Basin - Early Spring Detection Frequency Organophosphate Insecticides (all sites)



(A) = Includes Detections > old limit of 0.025 ug/l

(B) = New Detection Limit of 0.01 ug/l

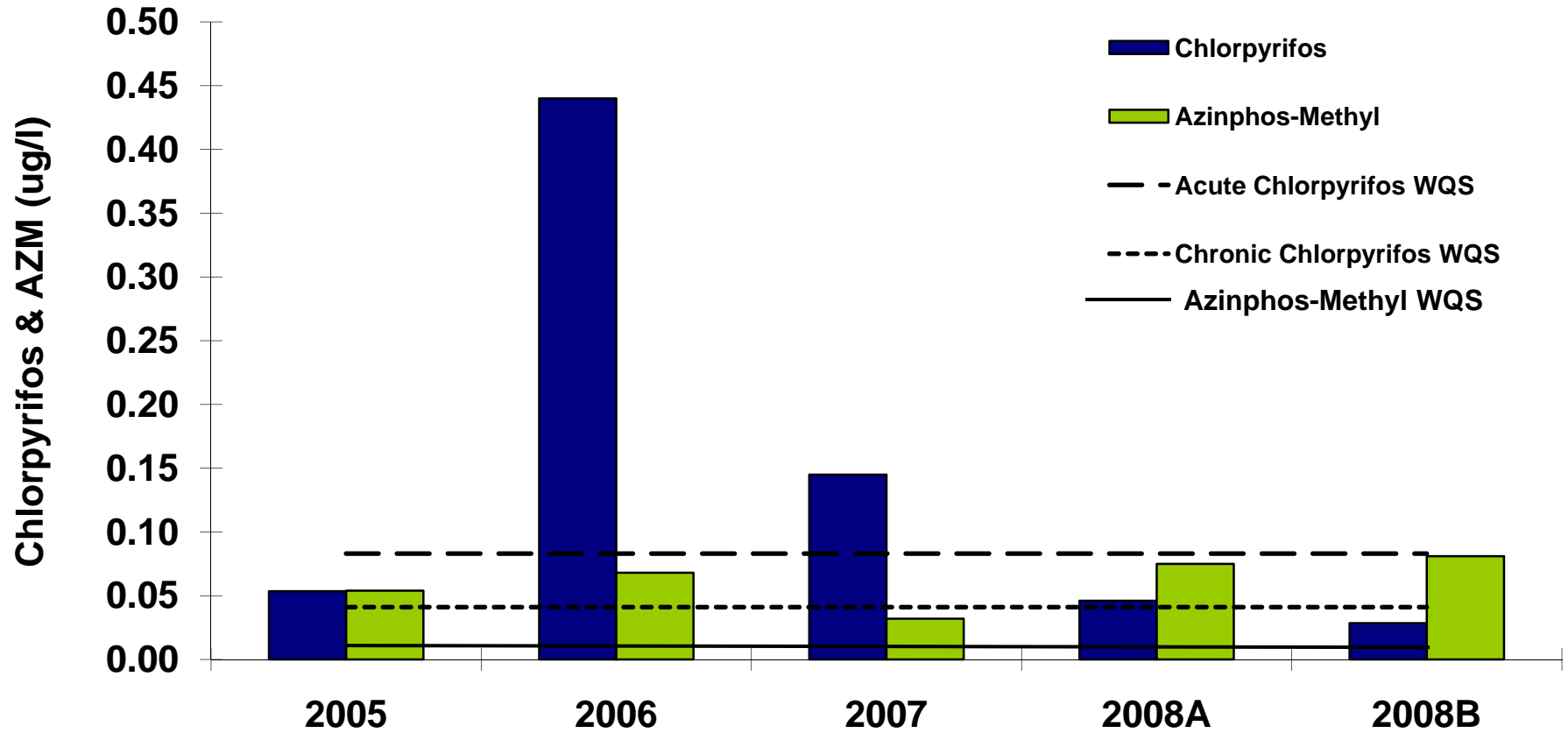
## Walla Walla Basin - Late Spring Detection Frequency Azinphos-Methyl (all sites)



(A) = Includes Detections > old limit of 0.025 ug/l

(B) = New Detection Limit of 0.01 ug/l

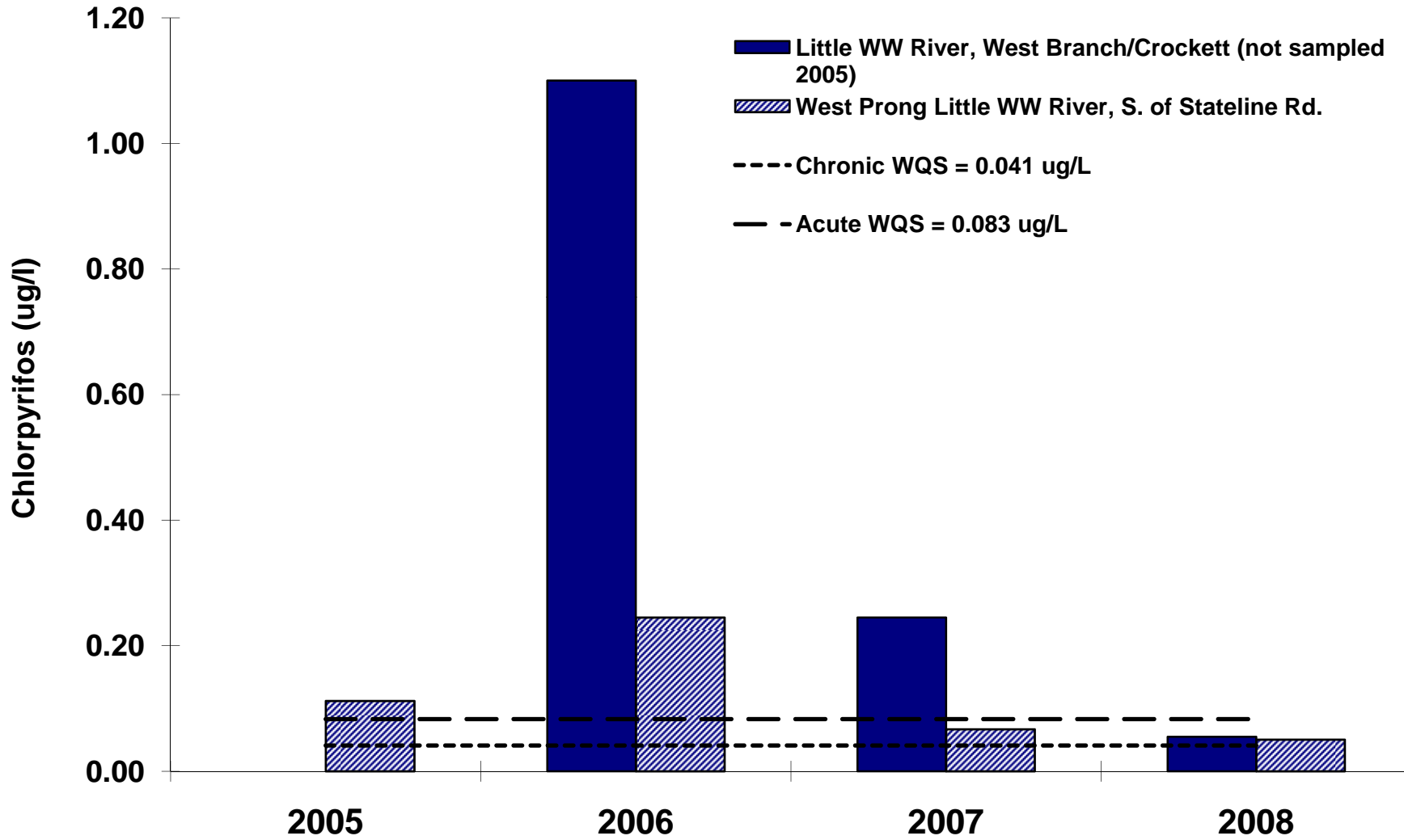
## Walla Walla Median of Detections at All Sites: Chlorpyrifos and Azinphos-Methyl



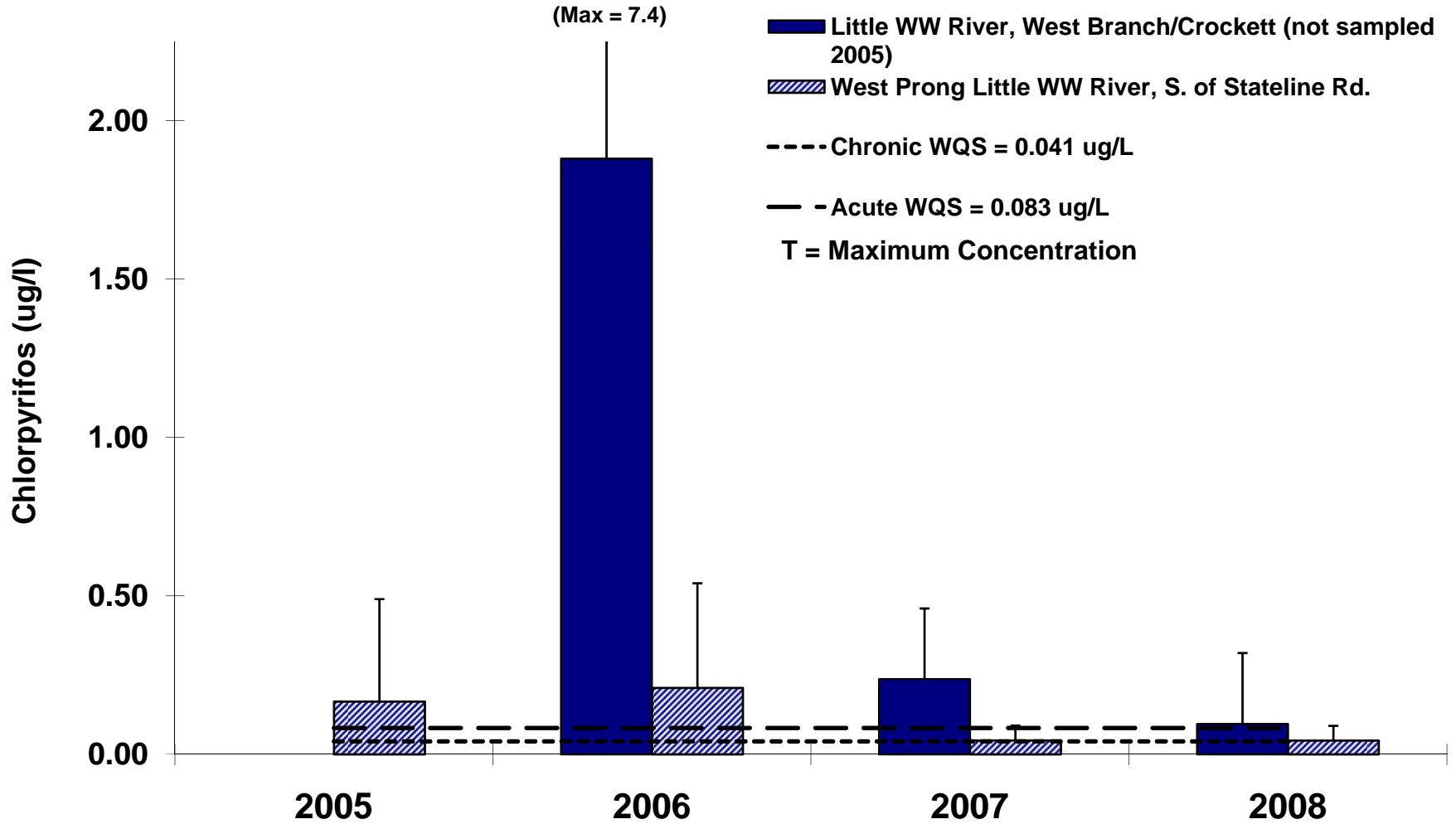
(A) = Includes Detections > old limit of 0.025 ug/l

(B) = New Detection Limit of 0.01 ug/l

# Walla Walla Basin: Median of Chlorpyrifos Detections 2005-2008



# Walla Walla Basin: Average and Maximum Chlorpyrifos Detections 2005-2008



## Walla Walla Basin: Average and Maximum Azinphos-Methyl Detections 2005-2008

