

# Drinking Water Assessment

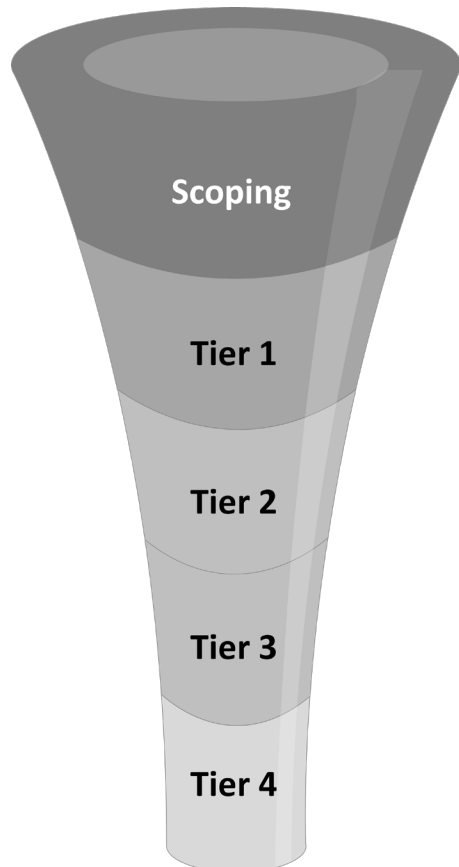


- EPA evaluates potential exposures in drinking water
- Most assessments are completed on a national scale (one high-end estimate covers the entire country)
- However, regional or sub-regional scale assessments are conducted when needed



- A single pesticide concentration may be used in a deterministic human health assessment or a time series of pesticide concentrations may be used in a probabilistic human health assessment

# Drinking Water Assessment Framework



- **Tiered approach is used to prioritize resources**
  - Lower tiers are easy to use, simple input and protective output
  - Higher tiers require more input and provide more detailed and realistic output
- **Upper bound estimate of exposure**
  - If level of concern is not exceeded using screening exposure estimate, high confidence of low risk
  - If level of concern is exceeded, there *could* be risk, or it may be the result of overestimating exposure – refinements considered
- **Advancement through the tiering process only proceeds until concentrations are below the level of concern or a risk management decision can be made**