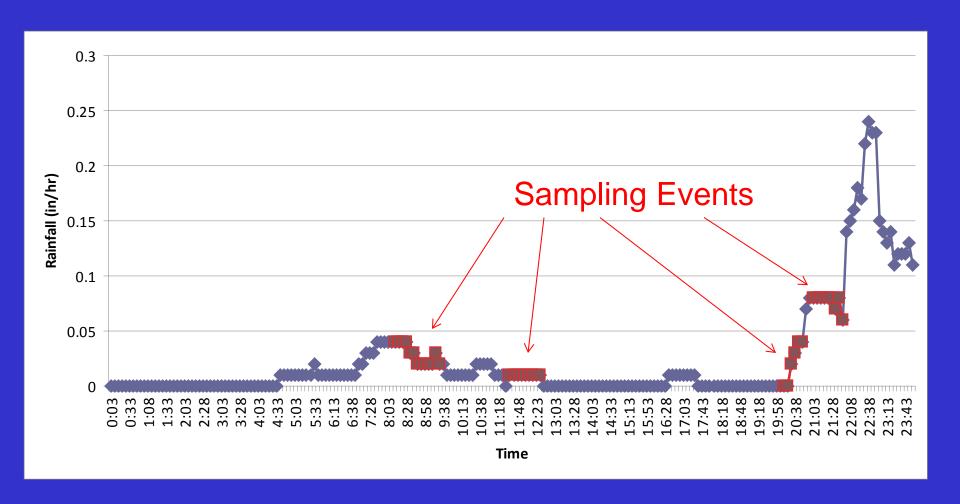


Questions to Evaluate Effectiveness

- How does sediment concentration change?
- How does contaminant concentration change?
- How does flow volume change?

A Day In The Field

April 10, 2012



List of Contaminants

- Metals
- Petroleum Related Contaminants
- Pesticides













Pollutant Sources

- Leaks in car engines and supply lines
- Breakdown of auto bodies
- Brake pads
- Breakdown of pavement
- Combustion
- Aerial deposition
- Trash, Spillage, etc.







Swale Treatment

	Metals (μg/L)		
	In	Out	% Reduction
Arsenic	1.88	0.77	59
Cadmium	0.16	0.04	75
Chromium	3.01	1.50	50
Copper	11.9	5.17	56
Manganese	193	30.0	84
Nickel	8.32	3.46	58
Lead	3.83	0.92	76
Selenium	0.42	0.39	_
Zinc	48.8	13.9	71







On The Shelves At Ace



Commonly used pyrethroid pesticides are highly toxic to cats and fish.

Swale Treatment

	Permethrin (ng/L)		
Sample #	In	Out	% Reduction
3	33	1.9	94
4	46	2.9	94
9	22	14	38
10	4.5	4.6	_





