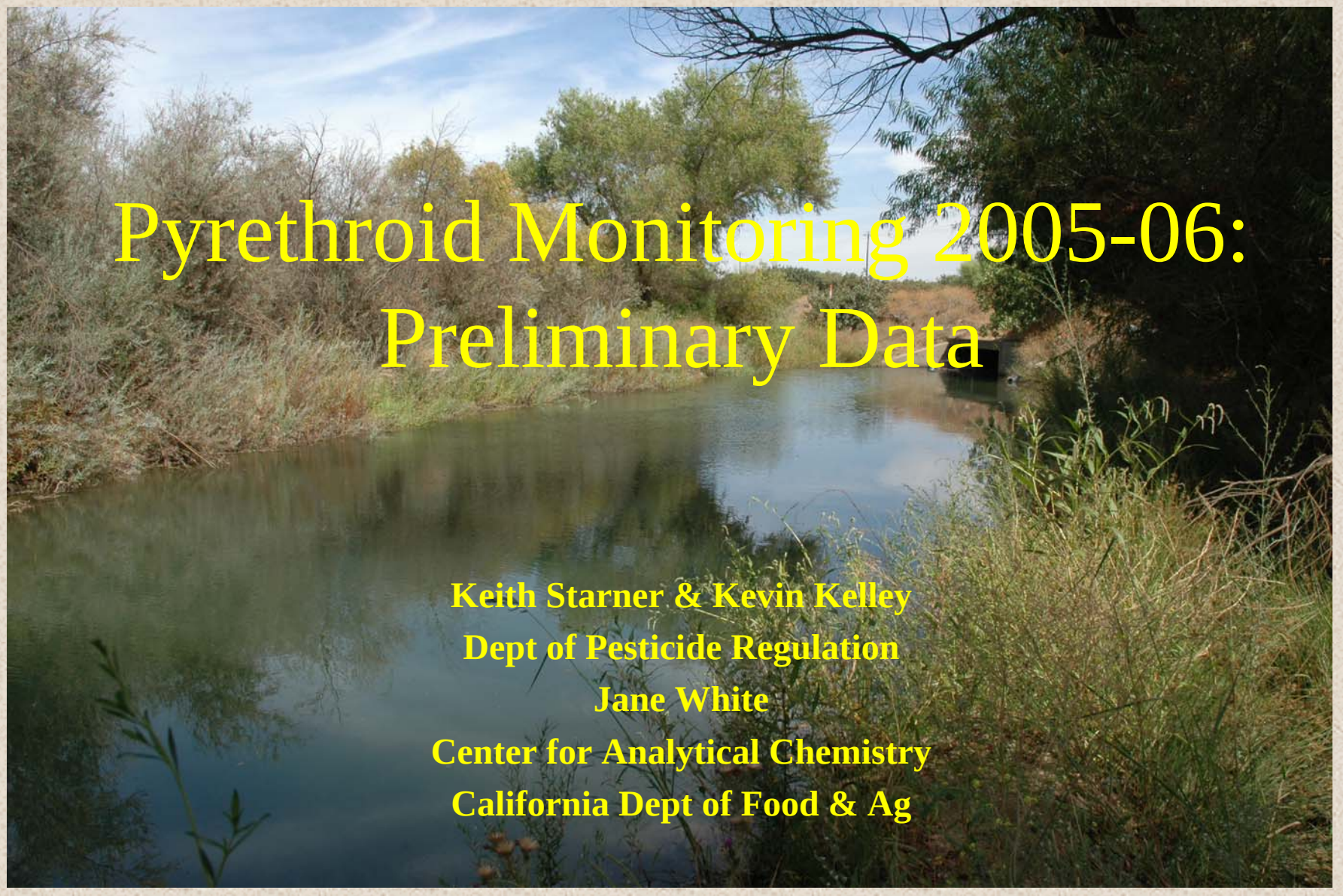

Pyrethroid Monitoring 2005-06: Preliminary Data

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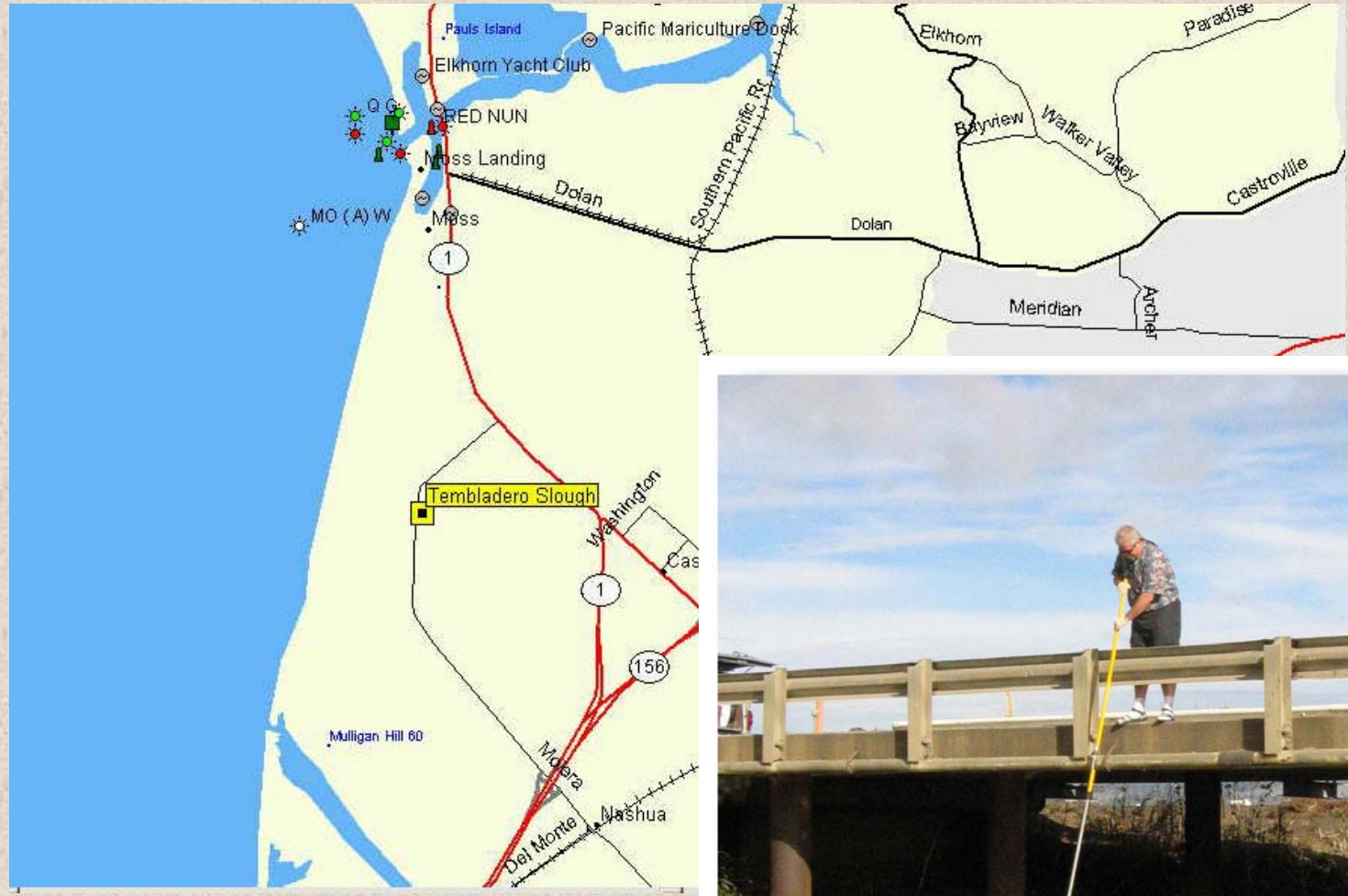
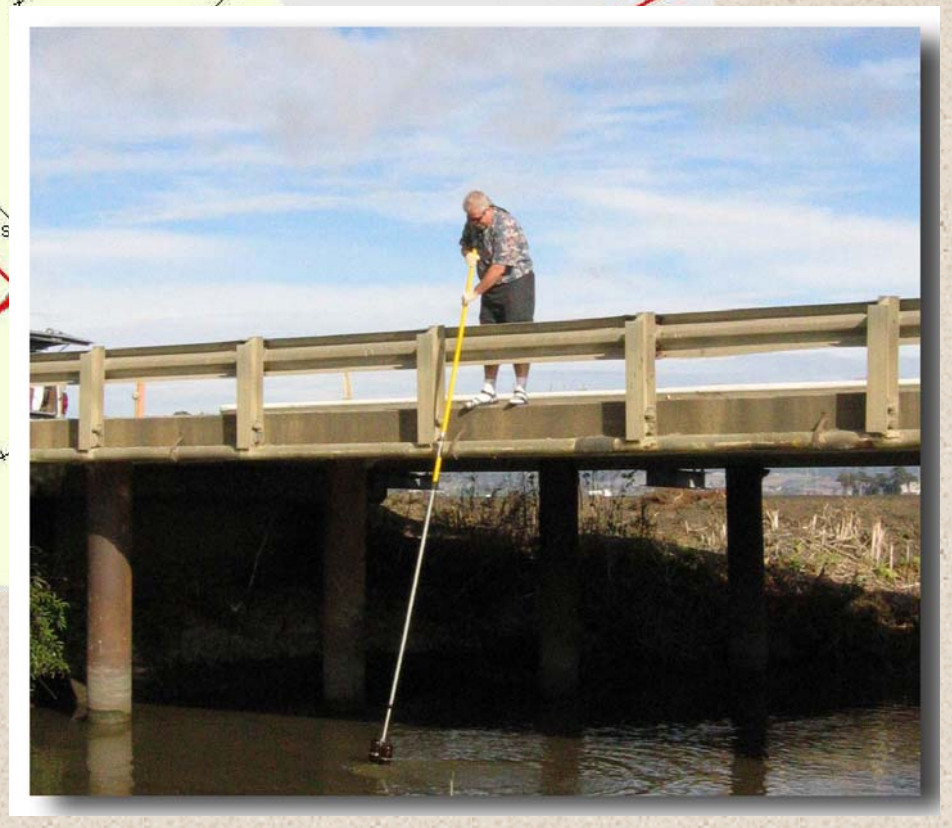
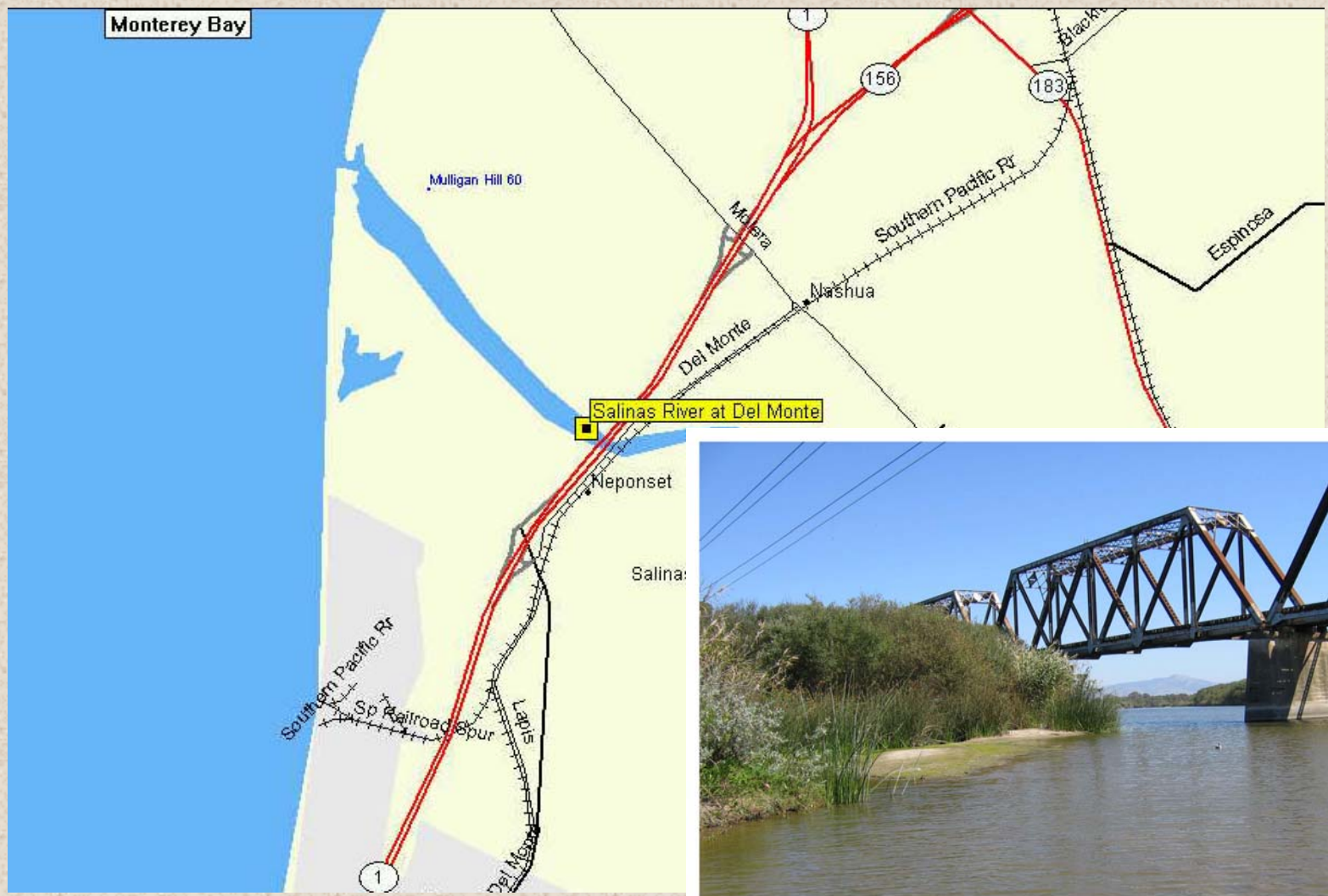
Dept of Pesticide Regulation
Jane White
Center for Analytical Chemistry
California Dept of Food & Ag

DPR pyrethroid monitoring sites 2005-06



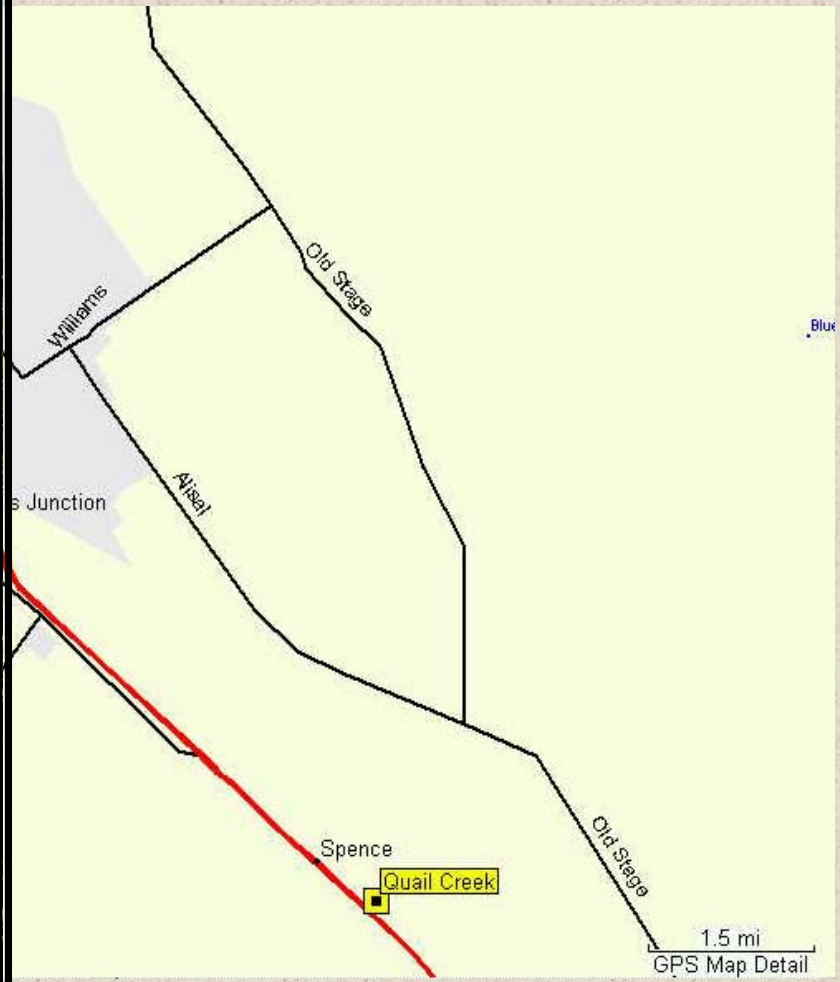


Tembladero Slough



Salinas River @ Del Monte

Reclamation Rd @ Airport Rd


Williams
Old Stage
Airsel
s Junction
Spence
Quail Creek
Old Stage
1.5 mi
GPS Map Detail

Quail Creek

Pyrethroids in bed-sediment, Monterrey Co., 2005-06

	Concentration in sediment (ug/g, dry sediment)				
Analyte	**Rec Ditch/Airport**	**Tembladero Slough**	**Quail Creek**	**Salinas River/Del Monte**	**Reporting Limit (ng/g)**
Bifenthrin	7.62	12.82	ND	ND	1.0
Cyfluthrin	ND	ND	ND	ND	1.0
Cypermethrin	ND	ND	ND	ND	1.0
Deltamethrin	ND	ND	ND	ND	1.0
Fenpropathrin	ND	6.65	ND	ND	1.0
Fenvalerate/esfenvalerate	6.15	16.79	ND	ND	1.0
Lambda cyhalo epimer	ND	ND	ND	ND	1.0
Lambda cyhalothrin	9.74	ND	ND	ND	1.0
Permethrin- cis	36.12	20.17	37.25	ND	1.0
Permethrin- trans	10.35	9.16	28.80	ND	1.0
Resmethrin	ND	ND	ND	ND	1.0
Est. > 1 TU?	Yes	Yes	No	No	

ND = not detected above reporting limit (RL)

TU = toxicity unit

Pyrethroids in water column, Monterrey Co., 2005-06

	Concentration in whole water (ng/L)				
Analyte	**Rec Ditch/Airport**	**Tembladero Slough**	**Quail Creek**	**Salinas River/Del Monte**	**Reporting Limit (ng/L)**
Bifenthrin	ND	ND	ND	ND	5
Lambda-cyhalothrin	ND	ND	ND	ND	20
Permethrin	ND	ND	ND	ND	50
Cyfluthrin	ND	ND	ND	ND	80
Cypermethrin	ND	ND	ND	ND	80
Esfenvalerate	ND	ND	ND	ND	50
ND = not detected above reporting limit (RL)					