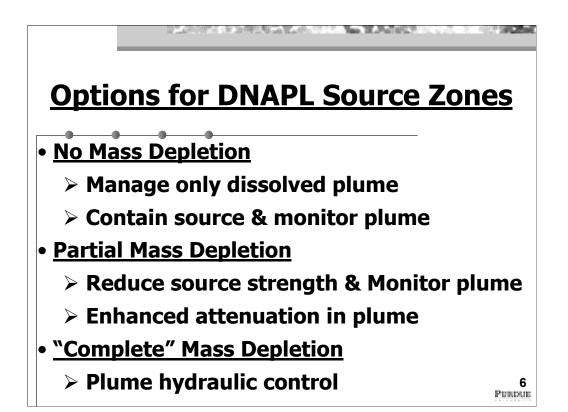
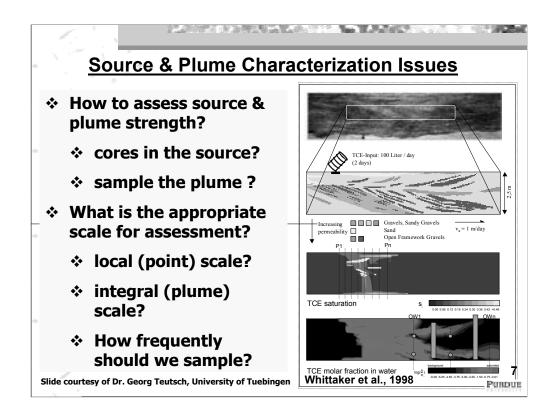


Plume Management as an Alternative to					
<u>DN</u>	<u>APL Sou</u>	rce-Zone	<u>e Treatn</u>	<u>nent</u>	
Contaminated Site		No measure No NA	<sup>ES</sup> Future Situation		
Options					
Technical Complexity	moderate	high	low	high	
Investment Costs	low	high	low	moderate	
O & M Costs	high	low	low	moderate	
Land Use	low	low	high	moderate	

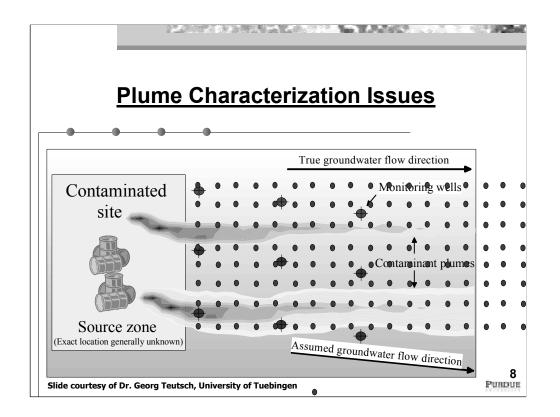








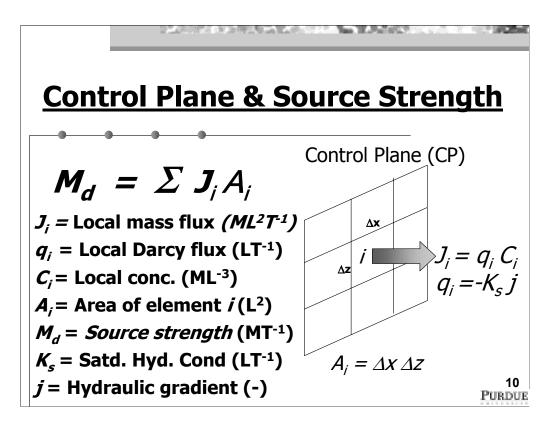


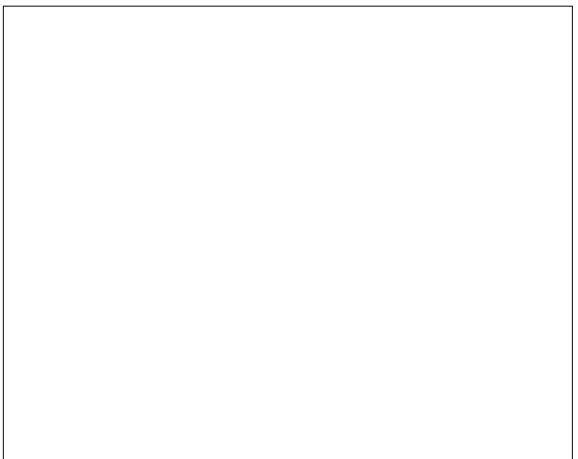


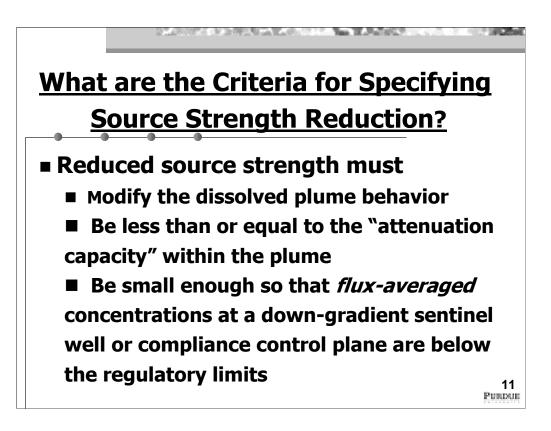


## Benefits of Partial Mass Depletion Reduction in risks & liability \* Reduction in risks & liability \* DNAPL mobility \* source longevity \* source strength \* Increased attenuation in plume \* Reduction in long-term management & costs \* Better site stewardship

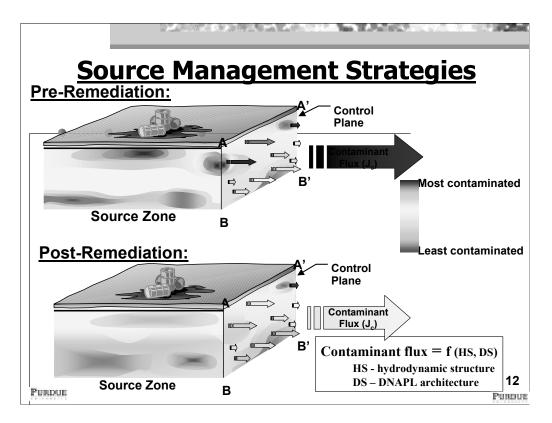


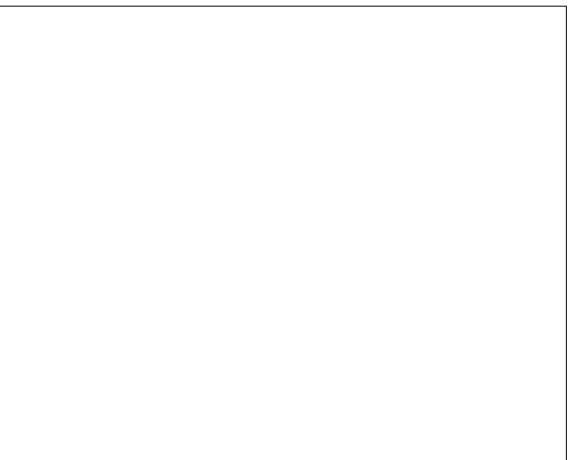


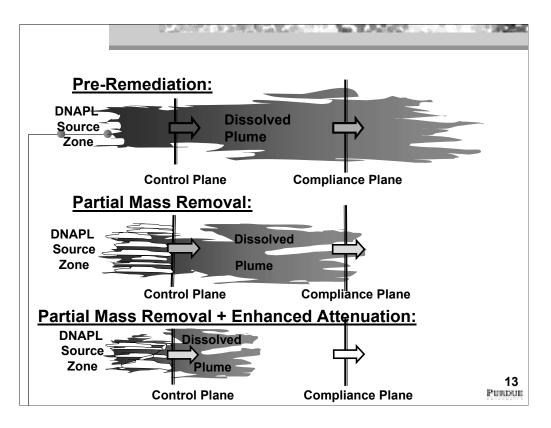


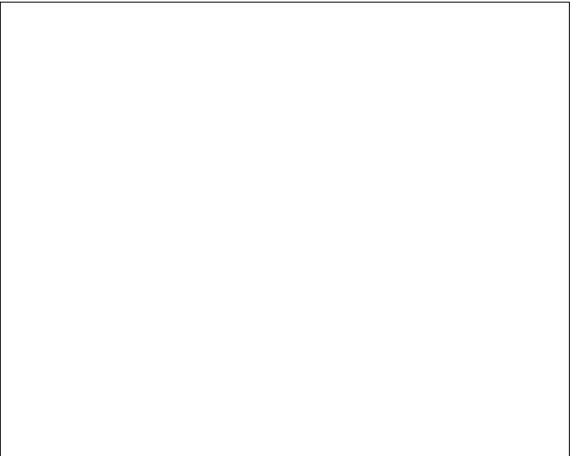


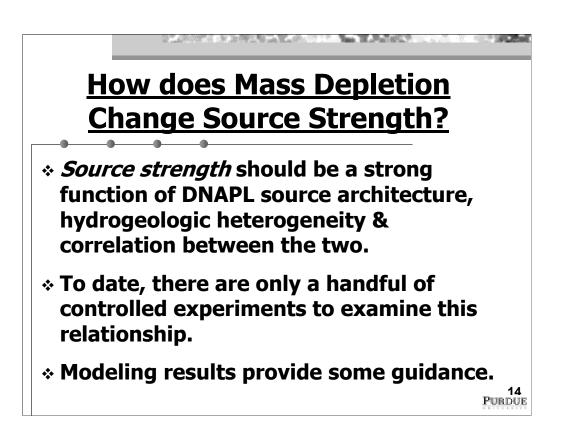




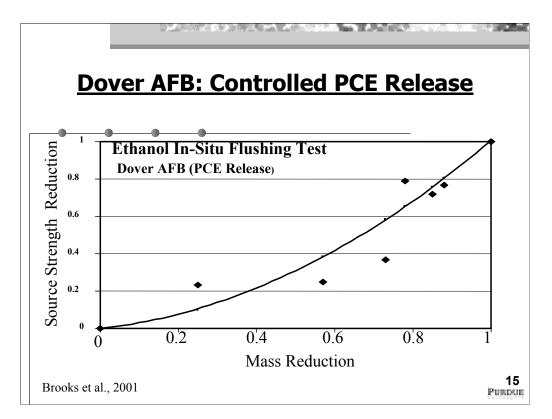


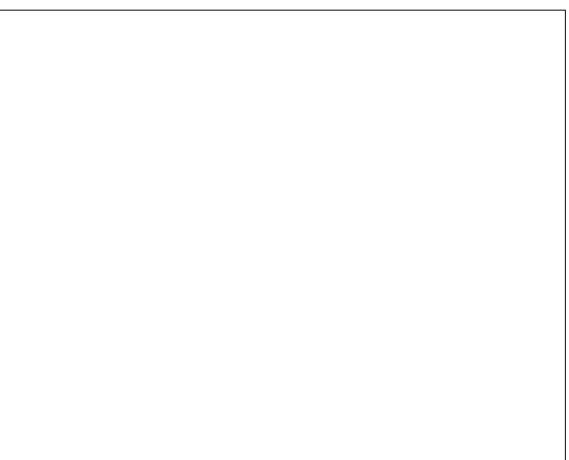


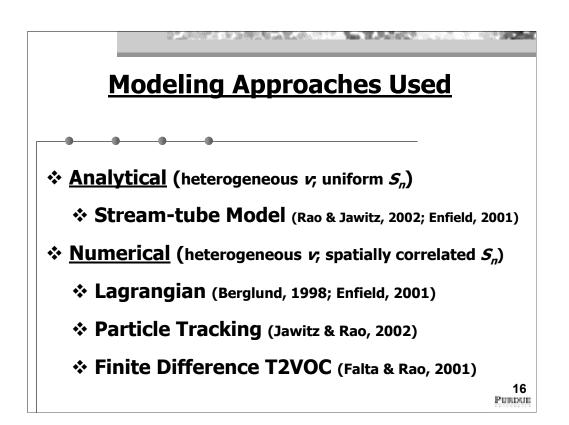


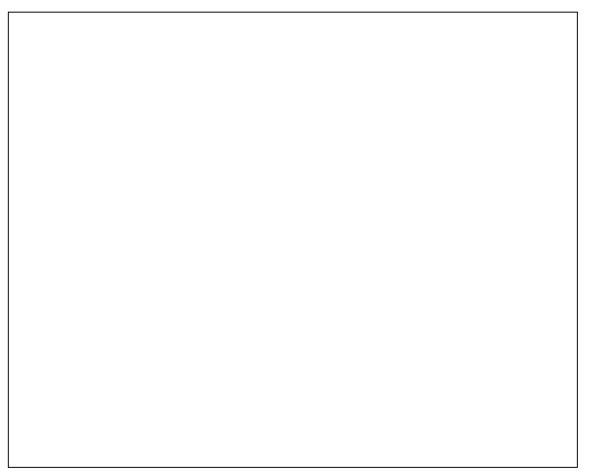


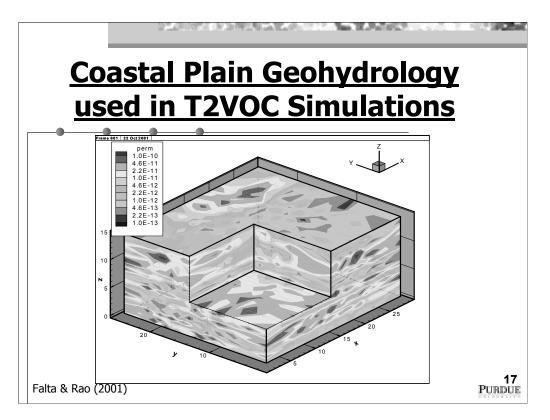


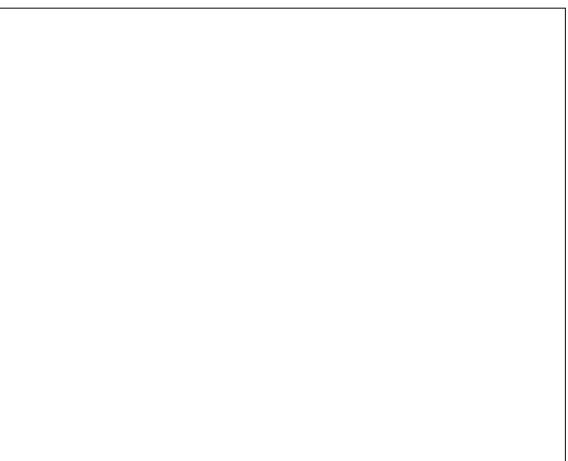


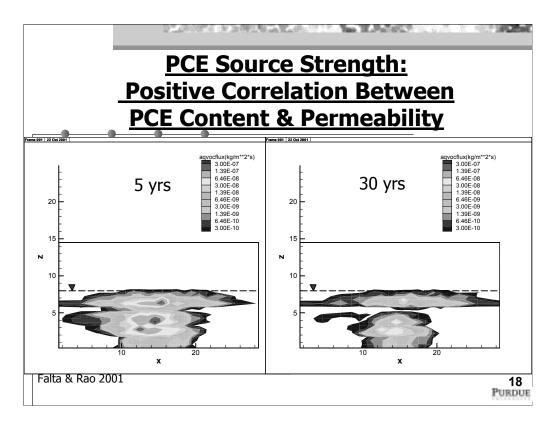


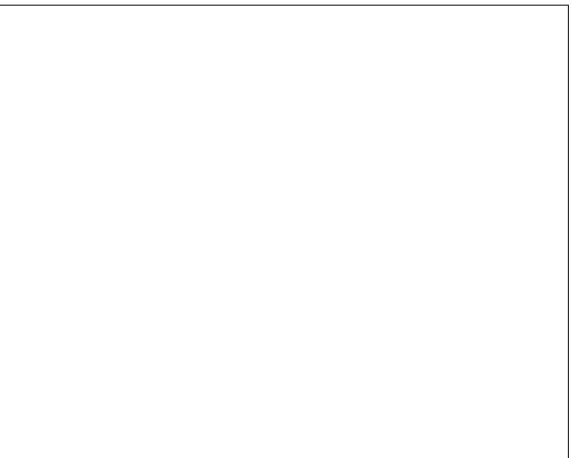


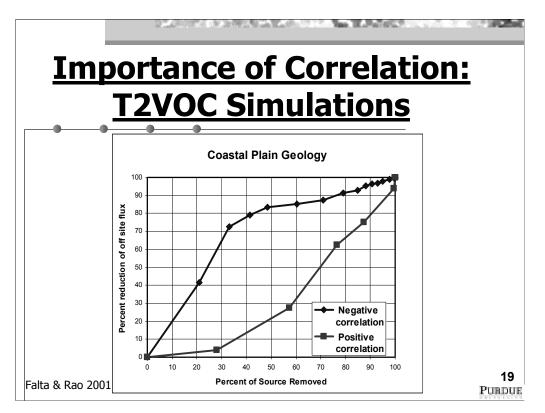


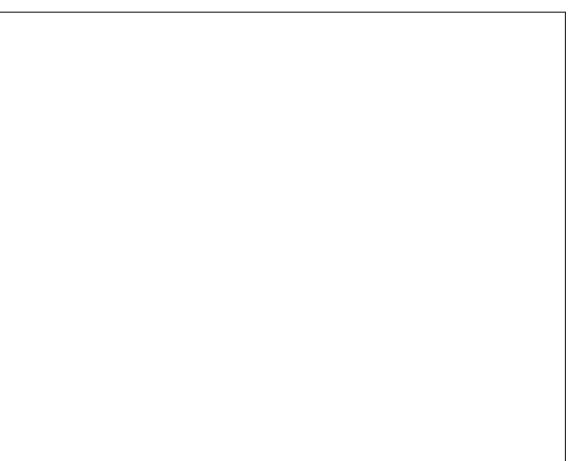


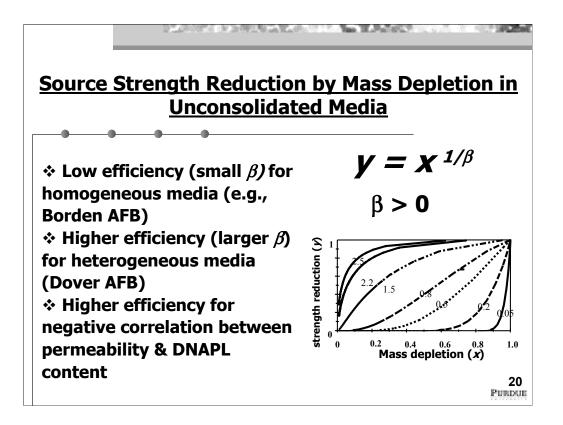


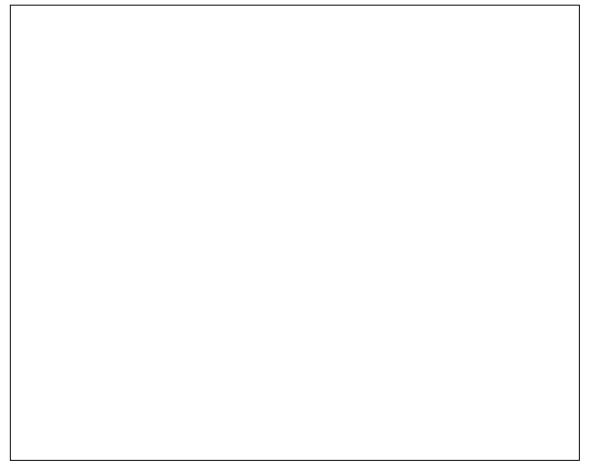


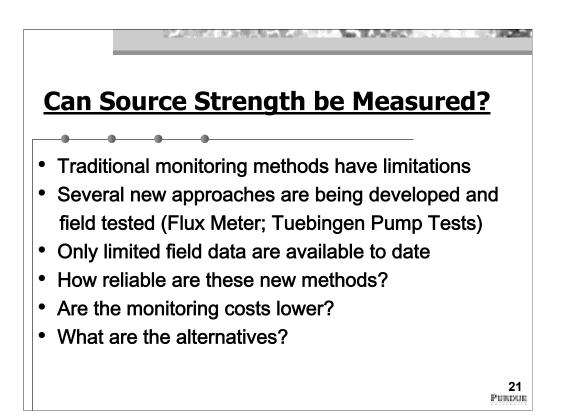














Estimates of Source Strength					
<u>Site</u> <u>Cor</u>	<u>itaminant</u>	(M <sub>d</sub> ; g/day)			
Simpson County, NC	MTBE	0.3 to 2.0			
Vandenberg AFB, CA	MTBE	1.2 to 7.0			
Port Hueneme, CA	МТВЕ	150			
Elizabeth City, NJ	MTBE	4			
Testfeld Sud, Germany	BTEX	1.8			
	PAHs	29.5			
Landfill Site, Germany	TCE	2.51			
Alameda Naval Station, CA	cis-1,2-DCE	31			
Nekkar Valley, Germany	PCE	77			
Dover AFB, DE	total chlorinated	280			
St. Joseph, MI	total ethenes	425			

