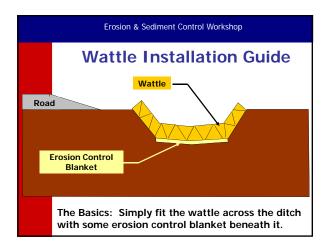
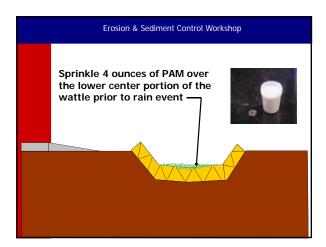




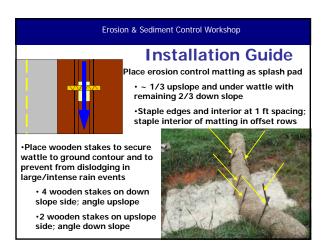
Keys to Making PAM Work for You

- Match PAM to your soil or suspended sediment and water chemistry.
- Reduce sediment load prior to PAM treatment.
- · Keep the PAM logs moist.
- · Create high flow onto PAM.
- Create high mixing (turbulence) after PAM
- · Allow for settling post-treatment.

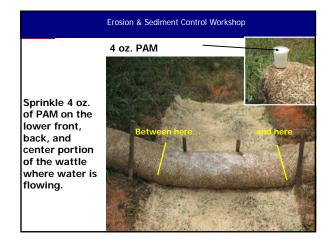


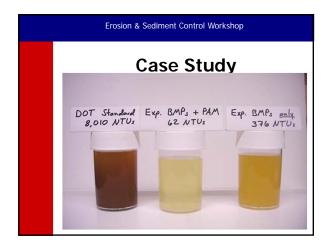








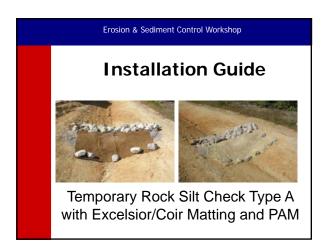




2009 History Note EPA's Effluent Limitations

- 280 NTU limit for construction site water quality discharges
- WQ monitoring req'd for sites disturbing over 20 Ac; then 10 Ac
- EPA "stayed" the proposed rule in 2009 and withdrew in 2014

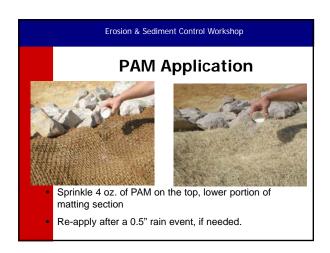






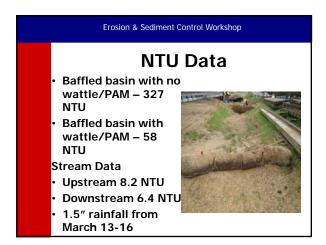
Wrap Installation Coir or Excelsior matting may be used Place matting on the sediment control stone Cut matting to the desired length







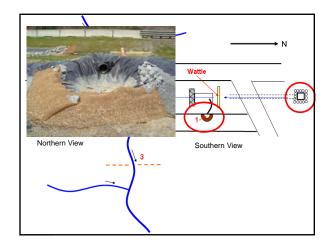


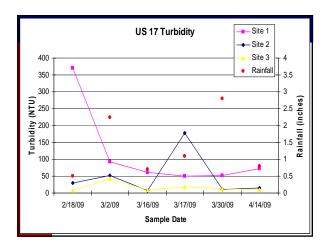










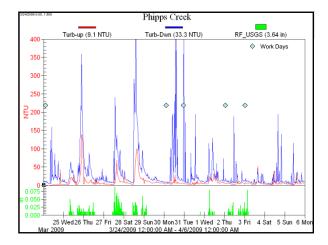












	Erosion & Sediment Control Workshop									
	Cost Comparison									
			Contractor Bid Price							
•	Silt Check A	\$378	\$323							
•	Silt Check B	\$85	\$71							
•	Wattle with PAM	\$28	\$81							
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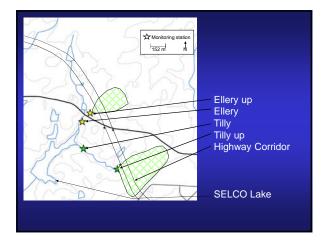
Summary • Studies indicate that FCD and PAM are superior to rock measures to reduce turbidity. • Studies indicate that wrapped rock measures perform superior to rock alone to reduce turbidity

Questions

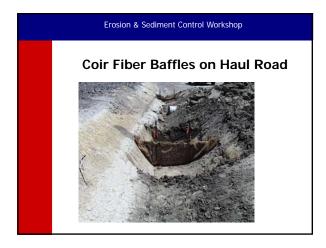
- What are the important factors when selecting PAM for use on construction projects?
- What is the PAM application rate on FCD's and how often should it be applied?
- What are good materials for wrapped rock dams?

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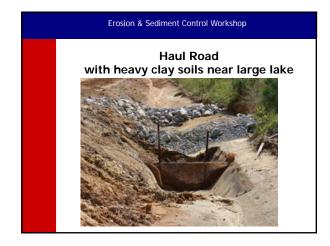
- What are the important factors when selecting PAM for use on construction projects?
 - anionic or neutral; match soil to PAM; don't use at discharge point; good mixing
- What is the PAM application rate on FCD's and how often should it be applied?
 - 4 oz (2+1+1); after each 0.5 rain in 24hr period
- What are good materials for wrapped rock dams?
 - Coir fiber netting and excelsior matting



Ellery Monitoring Stations								
End	Dur.	Rain	TSS	Turb	TSS	Highway		
	yr	in	mg/L	ntu	Ton/ac-yr	T/ac-yr		
8/20/04	0.5	17.4	36	29	0.04	0.0		
11/14/07	3.3	111	2495	1583	4.72	18.0		
3/9/08	0.3	8.8	209	126	0.59	2.0		
Down								
8/20/04	0.5	17.4	172	140	0.20	0.0		
11/14/07	3.2	111	563	466	1.20	7.1		
3/9/08	0.3	8.8	67	70	0.11	0.3		

















Questions

- How do baffles work when installed in pits/silt basins?
- · What is the desired height?
- · How should they be spaced in a

Erosion & Sediment Control Workshop

Summary

- · Many BMP options available
- · Match BMP to site conditions
- Analyze each system for cost and effectiveness
- Requires a skilled technician to manage systems

Erosion & Sediment Control Workshop **Questions**

Module 3: Designing to Control Turbidity