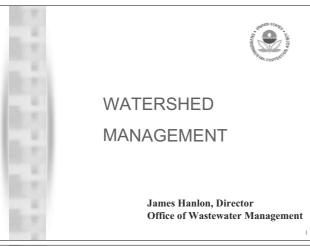
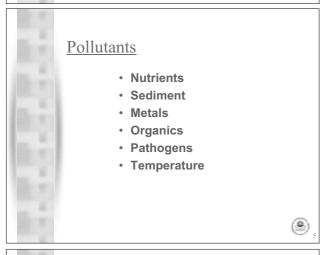
Watershed Management 流域管理

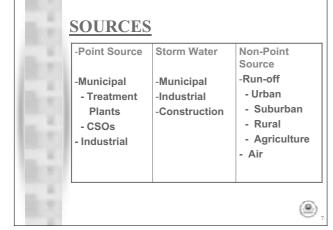
James Hanlon, U.S.EPA

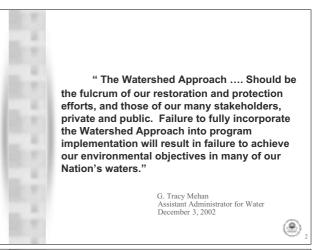
米国環境保護庁 ジェームズ・ハンロン













Other Water Quality Stressors • Habitat Alteration • Invasive Species • In-place Contaminated Sediments



PROGRAMS · Water Quality Standards



	(A) Pollutants	(B) Other Water Quality Stressors	(C) Sources	(D) Stake Holders	(E) Programs
	Nutrients	Habitat Alteration	Storm Water - Municipal	Federal	Water Quality Standards
	Sediment	Invasive Species	- Industrial - Construction	Government	Total Maximum
	Metals	In-place	Point Sources	State Government	Daily Loads
	Organics	Contaminated Sediments	- Municipal Treatment Plants	Local Government	Monitoring
80	Pathogens		- Combined Sewer Overflows	Local	NPDES Permit
831	Temperature		- Industrial	Organizations	Drinking Water
-			Run-off - Urban		Protection
휀			- Suburban - Rural - Agriculture		Non-Point Source Controls
			Air		

(**9**)₁₁ **ROLES**

Technical Regulatory - Tools - Rules - Guidance - Implementation Guidance Incentives **Project** Implementation - Financial - Recognition Voluntary - Convening

CLEAN WATER PROGRAMS

- Shared Value

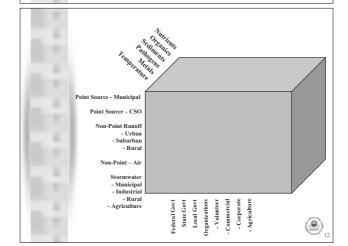
Monitoring **Water Quality Standards Total Maximum Daily Loads National Pollutants Discharge Elimination Systems (NPDES) Permits Non-Point Source Controls Source Water Protection**



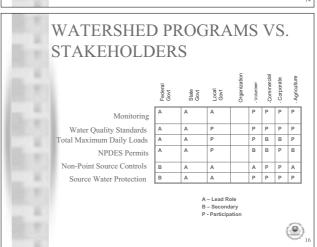
9

Total Maximum Daily Loads

- Monitoring
- **NPDES Permit**
- **Drinking Water Protection**
- **Non-Point Source Controls**







EPA ACTION IN SUPPORT OF WATERSHED PROTECTION

Permitting

Nutrients Criteria: Methods and Guidance (1998)

- Lakes

- Rivers

- Streams

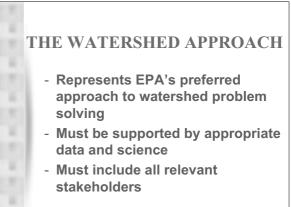
Monitoring Elements Guidance Document (2003) Storet Enhancements (2004)

Budget Initiative (2005) Phase II Stormwater Program (1999)

Conc. Animal Feeding Ops (2003) Watershed Based Permitting (2003) Voluntary

Trading Policy and Pilots (2003) Watershed Grants (2003-2004)

(9)





More Information: www.epa.gov/water www.usawaterquality.org www.epa.gov/owow/watershed (9)

