

Aquatic Invasive Species Management Plans

NYSDEC Perspective

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MISSION

...to prevent or minimize the harm caused by invasive species to New York's environment by collaborating and coordinating efforts with all stakeholders across the State.

What guides New York's actions?

Laws of New York 2003 – **Task Force – 2005 Report**

Laws of New York 2008 – **Council & Advisory Committee**

Office of Invasive Species Coordination - 2008

Annual Budget - **Environmental Protection Fund**
since SFY 2005-06

New funding sources?

Continuing invasions...

Structure

Council

(9 agency reps)

**Advisory
Committee**

(25 groups)

Office of I S Coordination

(4 DEC staff)

Strategic Elements

Coordination

Prevention

Education

Early detection

Rapid response

Control or management

Research

OISC

Council

Advisory
Committee

PRISMs (8)

Eradication Grants

Industry Efforts

Sea Grant
Clearinghouse

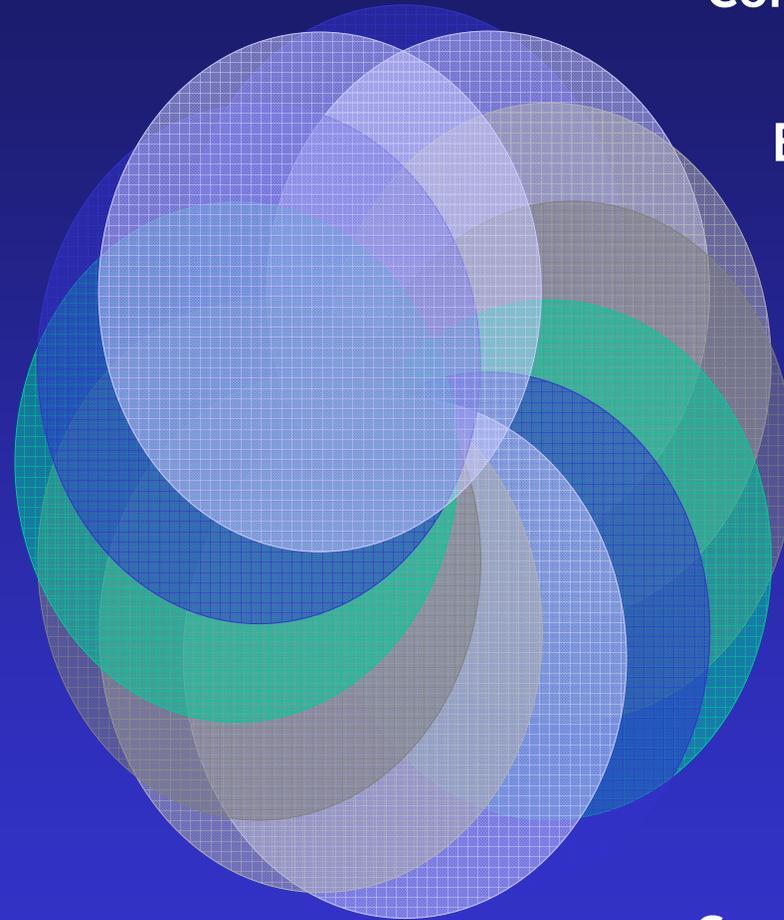
Laws & Regs

Response
Teams

iMap GIS

Cooperative
Extension

Research
Institute



New York invasions since IS Council established in 2008...

Asian Clam (Champlain Canal)

Chinese Mitten Crab (Hudson River tribs)

Northern Snakehead Fish (Orange Co.)

Hydrilla (Orange Co. + Suffolk Co.)

Oak Wilt (Schenectady County)

Kudzu (Rockland County)

Spiny Waterflea (Great Sacandaga, Peck)

Emerald Ash Borer (Cattaraugus County)

Bloody Red Shrimp (Oneida Lake)

Round Goby (Erie Canal) Next...?

Teaching Tools



Task Force Recommendations

- # 7 Formalize NYS IS policy and practices.
- # 9 Coordinate and streamline regulatory processes.
- # 11 Influence Federal actions to support invasive species prevention, eradication and control.

ECL 9-1709 (2)(d)

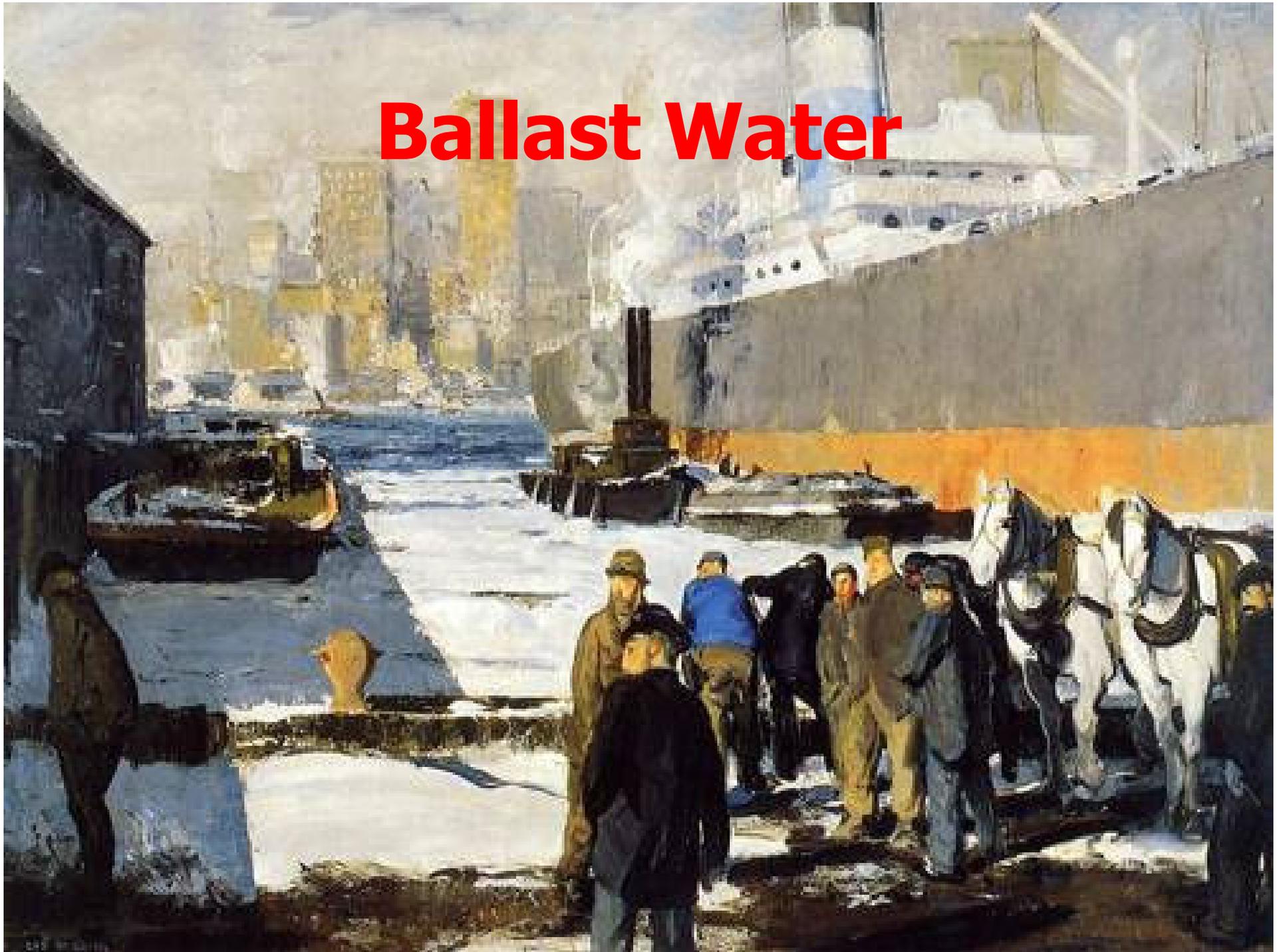
“wherever practical and where consistent with watershed and/or regional invasive species management plans, **prohibiting and actively eliminating** invasive species at project sites **funded or regulated by the state”**

New Regulatory Approaches

Pathway by Pathway

- Baitfish
- Firewood
- ALB, EAB quarantines
- Ballast Water
- Boat Transport
- ROWs, Wind Farms, Gas drilling

Ballast Water



Ballast Water Discharge Standards

EPA – Clean Water Act

DEC Water Quality Standards

Great Lakes States & California

Coast Guard Regulations

Plan v. Plan

1993 Aquatic Nuisance Species
Management Plan

Permit-specific Management Plans

ANS Plan ~ Spread Prevention

Non-regulatory

- ~ Outreach
- ~ Monitoring
- ~ BMPs

Regulatory

- ~ General Permits
- ~ Commerce

General Permits

Conventional Permit Conditions

v.

Invasive Species Management Plan

NYS ECL 8, 9, 15, 24, 25

Federal Clean Water Act



Water Withdrawals

A Potential Pathway ?



THRESHOLD QUESTIONS:

1. Will water be moved to a different waterbody?
2. Can AIS survive in new setting?



Who?



“Official” Lists

Report review Spring 2010

- ~ List of prohibited species
- ~ List of regulated species
- ~ List of unregulated species
- ~ Process for listing

Interim Lists

NOT formally promulgated

- ~ short list of widely-recognized IS
- ~ inform management
- ~ inform permitting (existing authority)

Desired Outcome

(What are we really trying to accomplish?)

Low likelihood that AIS
will be transferred
among waters
via water withdrawals.

Invasive Species

- Pollutants
- Proliferate
- Permanent

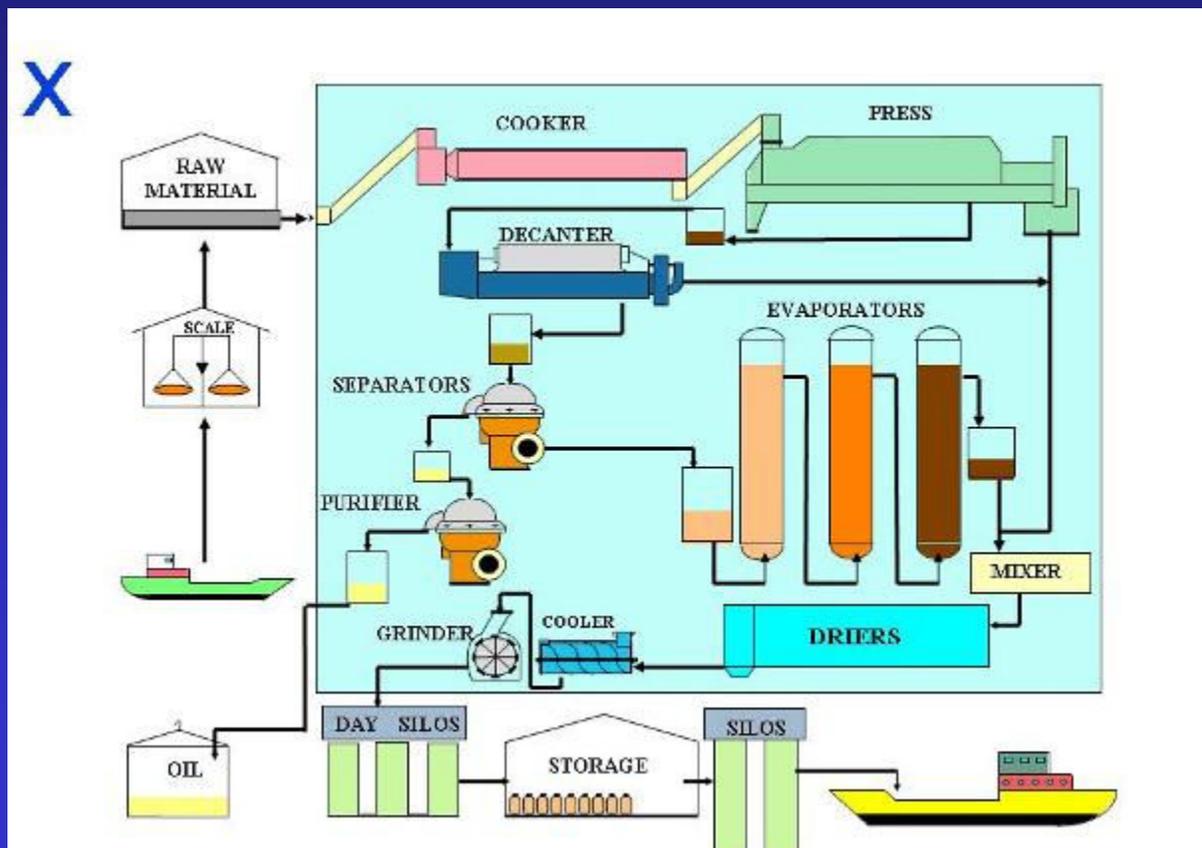
- Prevention
- Precautionary Principle

HACCP Approach

Hazard Analysis and Critical Control Point

- (1) hazard analysis
- (2) critical control point identification
- (3) establishment of critical limits
- (4) monitoring procedures
- (5) corrective actions
- (6) record keeping
- (7) verification procedures

What makes sense for your industry?



Substance

PREVENT AIS from:

leaving one waterbody...

in water, on equipment, vehicles, clothing, etc

entering another waterbody...

in water, on equipment, vehicles, clothing, etc

MONITOR effectiveness

Questions ?



Thank you!

