

# Fiscal Year 2007 Grant Funded CCMP Implementation Projects

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3 Research & Demonstration

3 Education & Outreach

2 Habitat & Restoration Projects

*\$74,608 Awarded*

# Targett – Ingress of larval fishes through IRI: patterns of abundance and development of a Juvenile Fish Index

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- ❑ Objectives:
  - Measure ingress of larval menhaden, smr. flndr., croaker, spot, and eel over a year
  - Link this with DNREC juvenile surveys
- ❑ Is juvenile abundance determined by larval influx (supply) or Bay conditions?
- ❑ JFI = juveniles/larvae per unit effort.
- ❑ Explore relation to IBCMP WQ data.



Grant	Match
\$19,995	\$7,953

# Binford – Using Cover Cropping Systems to Reduce Nutrient Losses to the Environment

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- ❑ Demonstration project comparing cover crop type: cereal grain to legume + cereal grain.
- ❑ 2 sites and 6 treatments (different legume mixes) with different N app. rates
- ❑ Soil N values with cover crop, corn yields, and residual NO<sub>3</sub> will be measured.

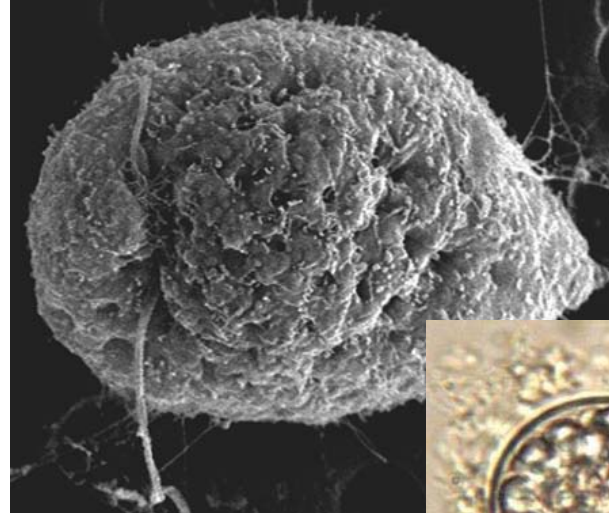


Grant	Match
\$19,623	

# Cary – Assessment and Monitoring of Harmful Algal Cysts in High Nutrient-Rich Areas of the DIBs

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- ❑ HABs form cysts that can bind to sediments
- ❑ Objectives
  - Examine distribution of HAB cysts – baseline data
  - Examine nutrient chemistry in areas with cysts
  - Produce map of HAB cysts distribution
- ❑ Builds on a very successful HAB program



Grant	Match
\$18,490	\$10,414

# Bivens – Discover DE's Inland Bays!

## Pontoon Boat Program at DESSSP

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- ❑ 1 tour/day 2 day/wk on Rehoboth Bay
- ❑ Estuarine ecology interpretation
- ❑ Water quality tests, species ID
- ❑ Education on the health of the bays and the need for restoration



Grant	Match
\$2,000	\$11,000



# Passwaters – 2<sup>nd</sup> Annual Inland Bays Cleanup

- ❑ Removes debris  
increases awareness  
of pollution through  
media coverage
- ❑ May 20, 2006
- ❑ >100 volunteers at 2  
locations
- ❑ Less trash than last  
year, and more  
participation!



Grant	Match
\$1,000	

# Passwaters – Camp Awareness: Youth Educational Camp

- ❑ ~100 sixth & seventh grade students attend 2 day camp
- ❑ Introduces environmental concerns, awareness
- ❑ Education Activities
  - Boating safety
  - Firearms safety
  - Habitat conservation
  - Species identification



Grant	Match
\$2,500	\$4,500

# White -- Invasive Species Control at Savannahs Landing

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- ❑ Eradicate Parrot Feather (*Myriophyllum spp.*) w/ herbicide
- ❑ Replant with native emergent wetland species
- ❑ Plant buffer area with native grasses and herbs.



Grant	Match
\$2,500	



# Ewart – IB Oyster Gardening Program & LAB Shellfish Restoration

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- ❑ Restore shellfish populations
- ❑ Functions as education and involvement
- ❑ Growing Program
  - 29 sites in '05, ~50 in '06 (~80 people)
  - Fenwick Is. involvement
- ❑ Establish spawning sanctuaries in LAB, monitor recruitment



Grant	Match
\$9,000	