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Recent Observations on Environmental Preferences and Controls

Observation No. 1: Water temperature controls on invasive tunicates.

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Changing maximum and minimum water temperatures affect the recruitment and growth of invasive solitary (Ascidiella aspersa) and colonial (Botrylloides violaceous and Diplosoma listerianum) tunicates on the Connecticut coast of Long Island Sound. Didemnum sp. was not studied, but "...during the last 3 years...a didemnid ascidian, previously unknown to the western Atlantic (G. Lambert, personal communication) has become established at our study locations." (see p. 15500)

Source

Stachowicz, J.J., Terwin, J.R., Whitlatch, R. B., and Osman, R.W., 2002, Linking climate change and biological invasions: ocean warming facilitates nonindigenous species invasions, Proceedings of the National Academy of Sciences, v. 99, no. 24, p. 15497-15500. (PDF format)

Report new occurrences to Page Valentine at pvalentine@usgs.gov

Recent research papers on *Didemnum*

Recent Observations

- Biochemistry
- Colonization
- Didemnum Management Studies
- Environmental Impacts
- Environmental Preferences and Controls
- . Genetics
- Growth Rates and Patterns
- Overgrowth on Other Species
- Predation
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- Substrate Preferences and Controls
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Links to Related Topics

- International Invasive
 Sea Squirt Conference,
 PEI, Canada, Oct. 1-4, 2007
 Program with Abstracts (PDF)
- International Invasive
 Sea Squirt Conference,
 Woods Hole, MA, Apr. 21-22, 2005
- Imagery of the Family Didemnidae
- Environmental Impact

of Tunicates

- Tunicate News/Information
- Invasive Species Web sites

Contributors & Other Sources

- Contact Information
- Other didemnid imagery
- USGS News Releases

Text in gray (italic) indicates the topic has not been addressed to date.

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U.S. Department of the Interior | U.S. Geological Survey

URL: http://woodshole.er.usgs.gov/project-pages/stellwagen/didemnum/htm/page29.htm

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