Between the Devil and the Deep Blue Sea: How In-Lieu Fee Programs Compensate for Impacts to Coastal Ecosystems

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Charted Course

- Overview of In-Lieu Fees (ILFs)
- ILFs and Coastal Ecosystems
- Program and Project Examples
- Challenges and Lessons Learned
- Conclusion



Photo: Pixabay

Overview of In-Lieu Fees (ILFs)

• 2008 Compensatory Mitigation Rule

What is an ILF?

Basic statistics

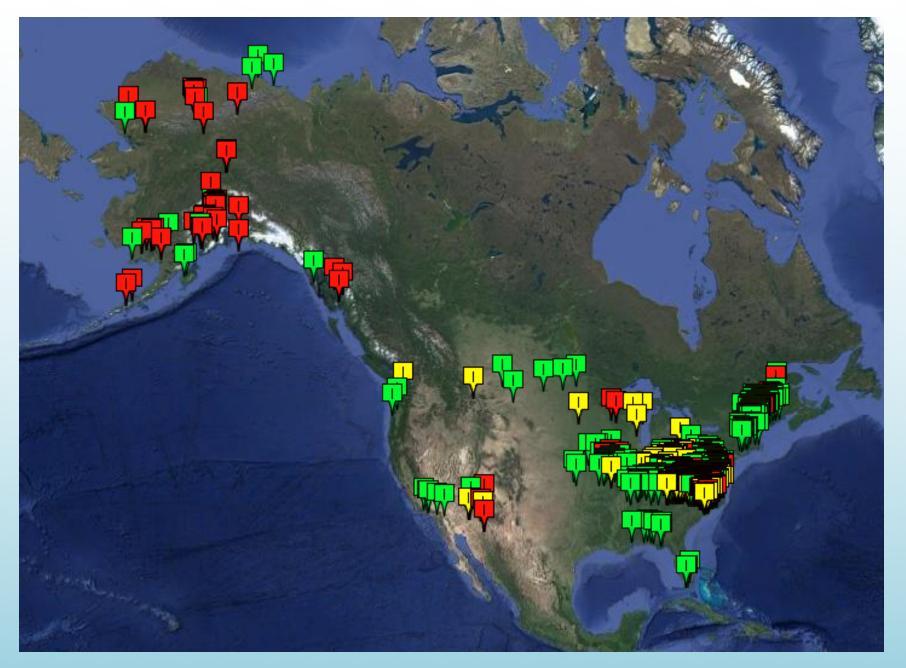


Image: Google map from RIBITS

ILFs and Coastal Ecosystems

Projects in ILF programs

Less common

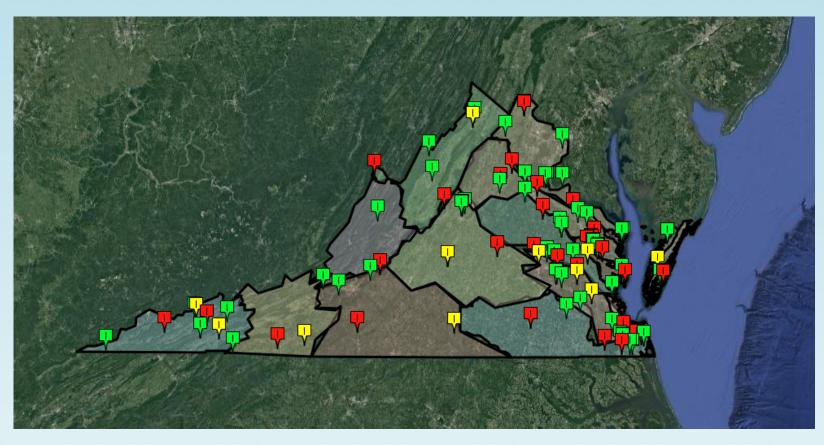
Types of impacts

Program and Project Examples*

- Virginia Aquatic Resources Trust Fund
- Connecticut ILF Program
- Massachusetts ILF Program
- Keys Restoration Fund
- California State Coastal Conservancy ILF

*Not an exhaustive list

Virginia Aquatic Resources Trust Fund (VARTF)



- Program sponsor
- Service areas
- Coastal projects
 - Seagrass
 - Oyster reef
 - Marsh
 - Other

Image: Google map from RIBITS

What is eelgrass?

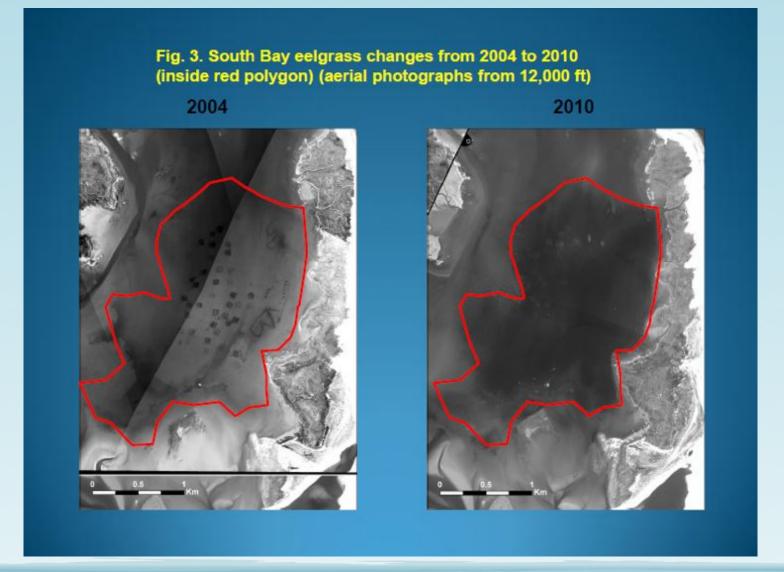


What is eelgrass?

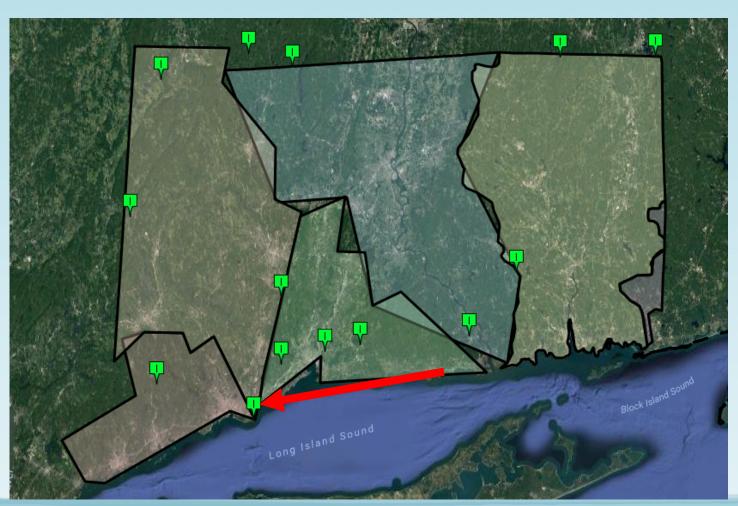


Photo: U.S. Fish and Wildlife Service National Digital Library

VARTF (continued)



Connecticut ILF Program



- Program sponsor
- Service areas
- Stratford Point Living Shoreline Project
 - Marsh restoration
 - Reef balls
 - Wildlife











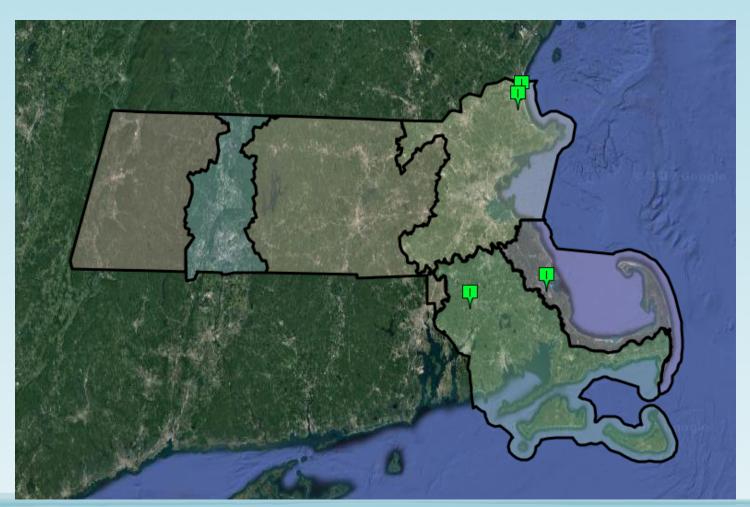






Massachusetts ILF Program

- Program sponsor
- Service areas
- Coastal projects
 - Eelgrass
 - Marsh



Massachusetts ILF Program (continued)



Photo: Ruth M. Ladd, *Site inspection report on the Upper Great Marsh project, Newbury and Rowley, Massachusetts*, August 27, 2015 (available on RIBITS)

Keys Restoration Fund

- Program sponsor
- Service areas
- Coastal projects
 - Mangrove
 - Marsh
 - Seagrass

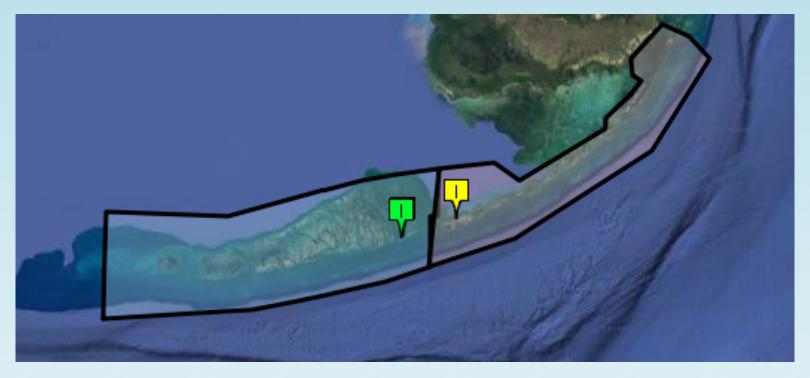


Image: Google map from RIBITS

Keys Restoration Fund (continued)



Photo: Coastal Resources Group, Inc., *Bahia Honda State Park*, http://coastalresourcesgroup.org/bahia-honda-state-park/#!

Keys Restoration Fund (continued)





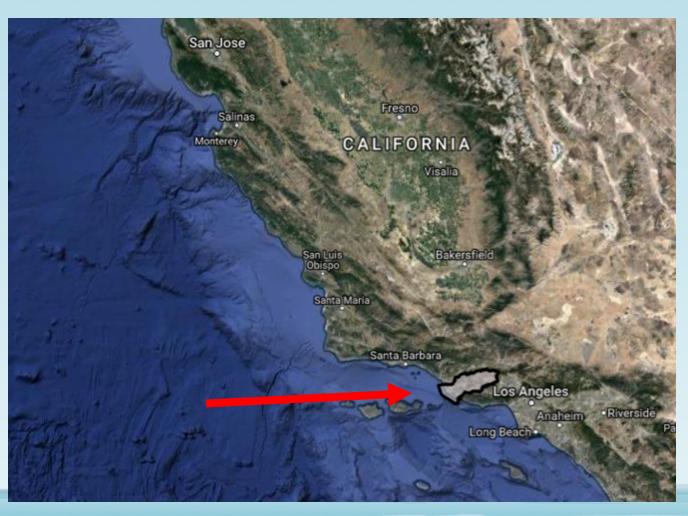
Keys Restoration Fund (continued)





Photos: U.S. Fish and Wildlife Service National Digital Library

California State Coastal Conservancy ILF



- Program sponsor
- Transition
- Service areas
- Coastal projects

Challenges and Lessons Learned

- Cost
- Risk
- Credits
- Timing
- Other



Photo: Pixabay

Conclusion

Questions?



Photo: U.S. Fish and Wildlife Service National Digital Library

Thank you!

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