Read Me

The PowerPoint file “TOGA Resource” was produced by Dr. Lynton S. Land, Emeritus Prof. Geological Sciences, Univ. Texas Austin (PO Box 539, Ophelia VA 22530, 804-453-6605, JandL@nnwifi.com) and Marilou McCrosky, King William High School (606 Pine crest Dr, Heathsville VA 22473, 804-580-6112, (mariloumccrosky@gmail.com) in 2013 under the auspices of the Virginia Tidewater Oyster Gardeners Association (TOGA, www.oystergardener.org). It is our hope the resource will be used, in total or in part, by teachers and by volunteers invited into the schools. Users are encouraged to modify the resource to meet their specific needs. We are open to suggestions that might result in improvement. The resource is organized into “modules” that can be extracted/deleted as appropriate:

	Frames
History of oyster harvest in Chesapeake Bay	1 to 10
Bay ecosystem - Photosynthesis/Respiration, other components	10 to 22
Life cycle of the oyster and oyster reefs	23 to 29
Bay water quality and dead zones	30 to 31
Oyster aquaculture – single oysters and spat-on-shell	32 to 42
Predators and sanctuary reefs, conclusion	43 to 46

All frames have comments appended to provide additional information for the presenter and to direct the learning process. Three short videos are identified and links are provided so they can be accessed.

A Power Point file “Aquaria” is also provided for those who can set up aquaria in the classroom to demonstrate oyster filtration capacity. Two aquaria are ideal, one containing live oysters and one without live oysters to demonstrate hypothesis testing, but one aquarium could be used.

If other materials are available, such as articulated/disarticulated oyster shells or dried/preserved reef organisms, they could usefully be incorporated into the resource.

If you have trouble accessing the School Resource, please contact Vic Spain (vicspain@rocketmail.com).