


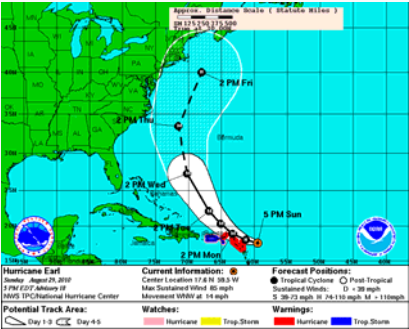


CASUALTY ACTUARIAL SOCIETY 

Boston, October 4, 2010

Beat Holliger 

Hurricane Earl – August 29, 5pm, Advisory 18 



Hurricane Earl
 Header: August 29, 2010
 2 PM EDT Advisory #18
 NWS Tropical Hurricane Center

Current Information:
 Center Location 19.8 N 103.3 W
 Max Sustained Wind: 65 mph
 Movement NW at 14 mph


Forecast Positions:
 Tropical Cyclone
 Post Tropical Sustained Winds:
 D = 39 mph
 S 39-27 mph, W 74-110 mph, M = 110 mph

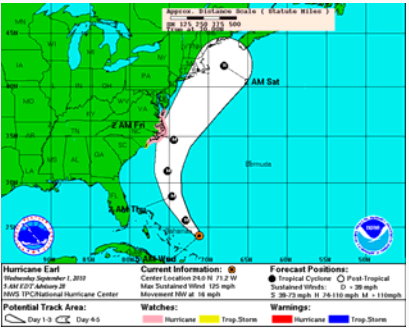
Potential Track Area:
 Day 1-3, Day 4-5

Watches:
 Hurricane, Trop. Storm

Warnings:
 Hurricane, Trop. Storm

Source: www.nhc.noaa.gov

Hurricane Earl – September 1, 5am, Advisory 28 



Hurricane Earl
 Header: September 1, 2010
 5 AM EDT Advisory #28
 NWS Tropical Hurricane Center

Current Information:
 Center Location 24.9 N 71.2 W
 Max Sustained Wind: 100 mph
 Movement NW at 18 mph

Forecast Positions:
 Tropical Cyclone
 Post Tropical Sustained Winds:
 D = 39 mph
 S 39-27 mph, W 74-110 mph, M = 110 mph

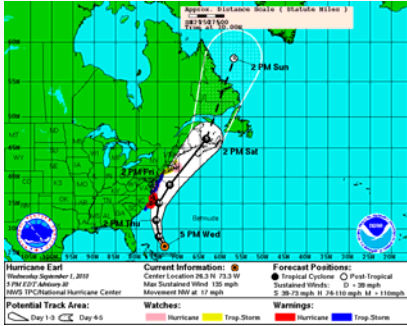
Potential Track Area:
 Day 1-3, Day 4-5

Watches:
 Hurricane, Trop. Storm

Warnings:
 Hurricane, Trop. Storm

Source: www.nhc.noaa.gov

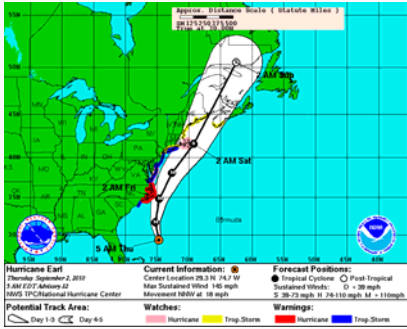
Hurricane Earl – September 1, 5pm, Advisory 30



Source: www.nhc.noaa.gov

4

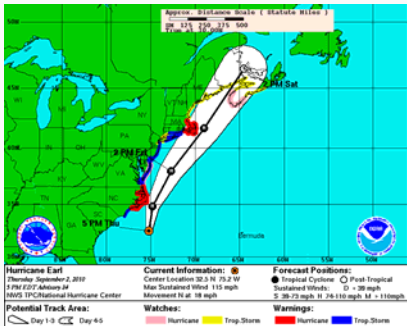
Hurricane Earl – September 2, 5am, Advisory 32



Source: www.nhc.noaa.gov

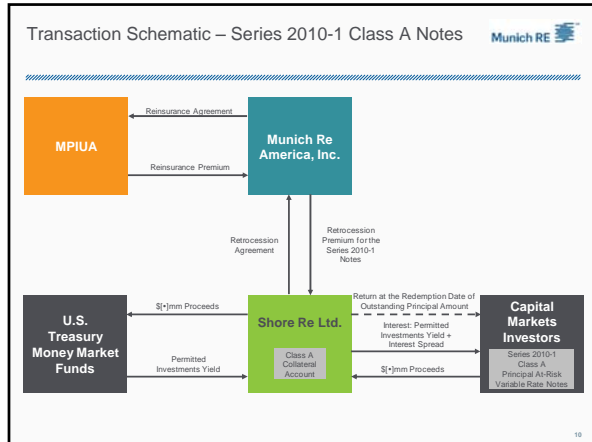
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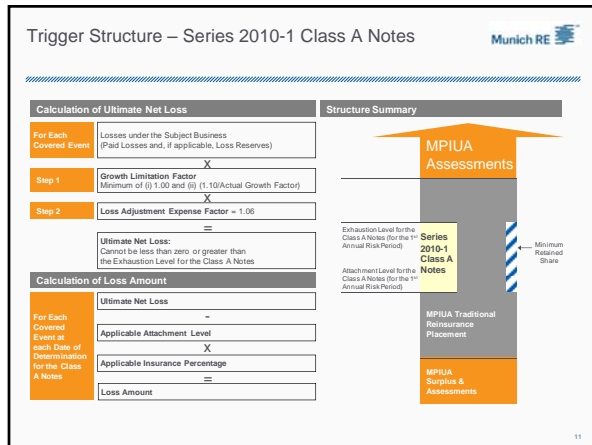
Hurricane Earl – September 2, 5pm, Advisory 34

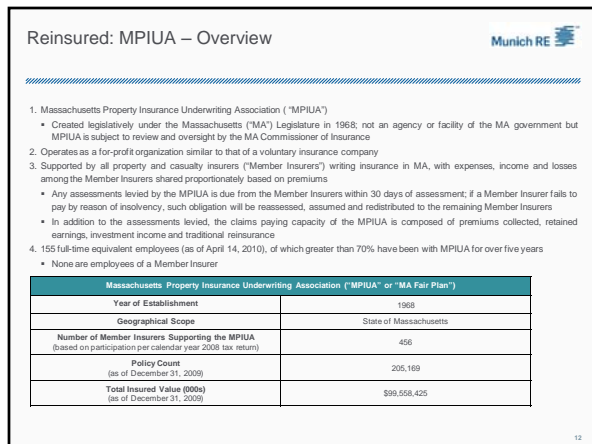


Source: www.nhc.noaa.gov

6







Reinsured: MPIUA – Overview

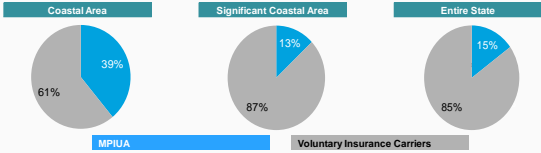


MPIUA Rate Territories Map



- 1. MPIUA's coverage area consists of the entire state of MA
- The Coastal Area, territory 37, represents the state's predominant coastal territory
- Several other territories have significant coastal exposure ("Significant Coastal Area") including territories 30, 32, 33, 34, 36, and 40

MPIUA Estimated Market Share based on 2008 Calendar Year Premiums



Transaction Summary – Series 2010-1 Class A Notes – Offering Terms



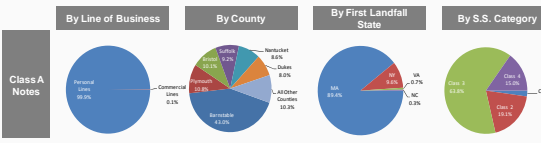
Item	Description
Notes Offered	\$56mm Series 2010-1 Class A Principal At-Risk Variable Rate Notes
Risk Transfer Contract	Retrocession Agreement
Covered Event	Any Hurricane during the Risk Period having caused Losses to the Subject Business in the Covered Area as determined by the Reinsured
Covered Area	Massachusetts
Hurricane	A Hurricane is a Storm or Storm System that has been declared by the National Hurricane Center of the National Weather Service or its successor to be a Hurricane and includes Wind, Gusts, Hail, Rain, Tornadoes or Cyclones caused by, resulting from or occurring during such Storm or Storm System
Subject Business	The Reinsured's in-force insurance portfolio (which consists of any binder, policy or contract of insurance issued, accepted or held covered provisionally or otherwise, by or on behalf of the Reinsured, "Policies") exposed to a Hurricane as of the commencement date of the Risk Period and any new and/or renewed Policies becoming effective during the Risk Period
Risk Period	The period commencing at 12:00:00 a.m. Eastern time on July 1, 2010 to and including the earlier of (i) 11:59:59 p.m. Eastern time on June 30, 2013 and (ii) in the event of an Early Redemption Event, 11:59:59 p.m. Eastern time on the date on which an Early Redemption Event occurs
Scheduled Redemption Date	July 8, 2013
Extended Redemption Date	Up to 36 months from the Scheduled Redemption Date in one month increments

Risk Analysis Summary – Series 2010-1 Class A Notes – Risk Profile



Risk Profile	Class A Notes	
	Base	Sensitivity
One-Year Attachment Probability	1.76%	1.76%
Expected Loss	1.47%	1.47%
One-Year Exhaustion Probability	1.24%	1.24%

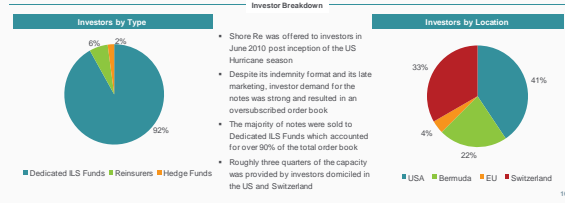
Contribution to Expected Loss



Shore Re Ltd. – Further Details



- Munich Re successfully managed and placed Shore Re beginning of July 2010, a \$96mm cat bond transaction for the benefit of Massachusetts' residual market carrier, the Massachusetts Property Insurance Underwriting Association (MPLIA)
- In addition to its management and placement roles, Munich Re acted – through its wholly-owned subsidiary Munich Re America – as transforming reinsurer for MPLIA
- Shore Re represents MPLIA's first cat bond transaction and was a take down from a new cat bond program
- As a complement to the traditional reinsurance program, Shore Re will provide MPLIA with a three-year, fully collateralized, per-occurrence indemnity cover for major Hurricane events in Massachusetts
- Due to MPLIA's increased traditional reinsurance purchases, Shore Re was issued at \$96mm, slightly below the initially targeted \$100mm, notwithstanding an oversubscribed book
- After Johnston Re (May 2010), benefiting the North Carolina Wind Pools, Shore Re is the second cat bond transaction within two months on behalf of a US Wind pool that was managed and placed by Munich Re



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