

Town of Hingham Climate Change Vulnerability, Risk Assessment and Adaptation Study

**Board of Selectmen Briefing
November 6, 2014**



- **Monica Conyngham**
- **Mary Savage Dunham**
- **Roger Fernandes**
- **Scott McIsaac**
- **Jim Murphy**
- **Abby Piersall (Project Manager)**
- **Walter Sullivan**
- **Randy Sylvester**
- **Richard Cook**
- **Ken Corson**
- **Brian Knies**

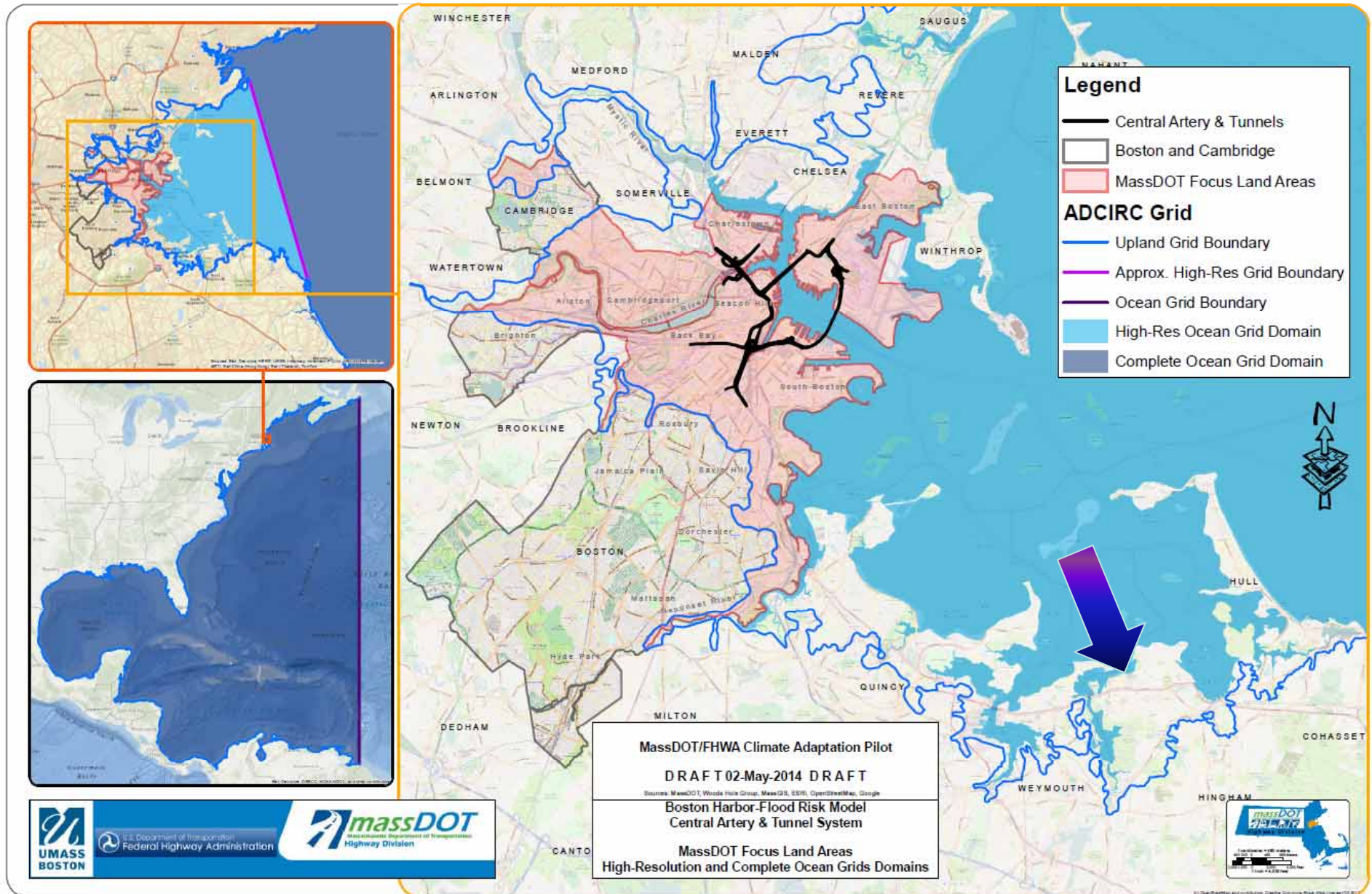
- **Hingham awarded a CZM “*Coastal Community Resilience Grant*”**
- **One of nine awards totaling \$1.0 million**
- **Grant Amount = \$44,461**
- **25% Town in-kind match**
- **Town retained Kleinfelder of Cambridge, MA as the project consultant**

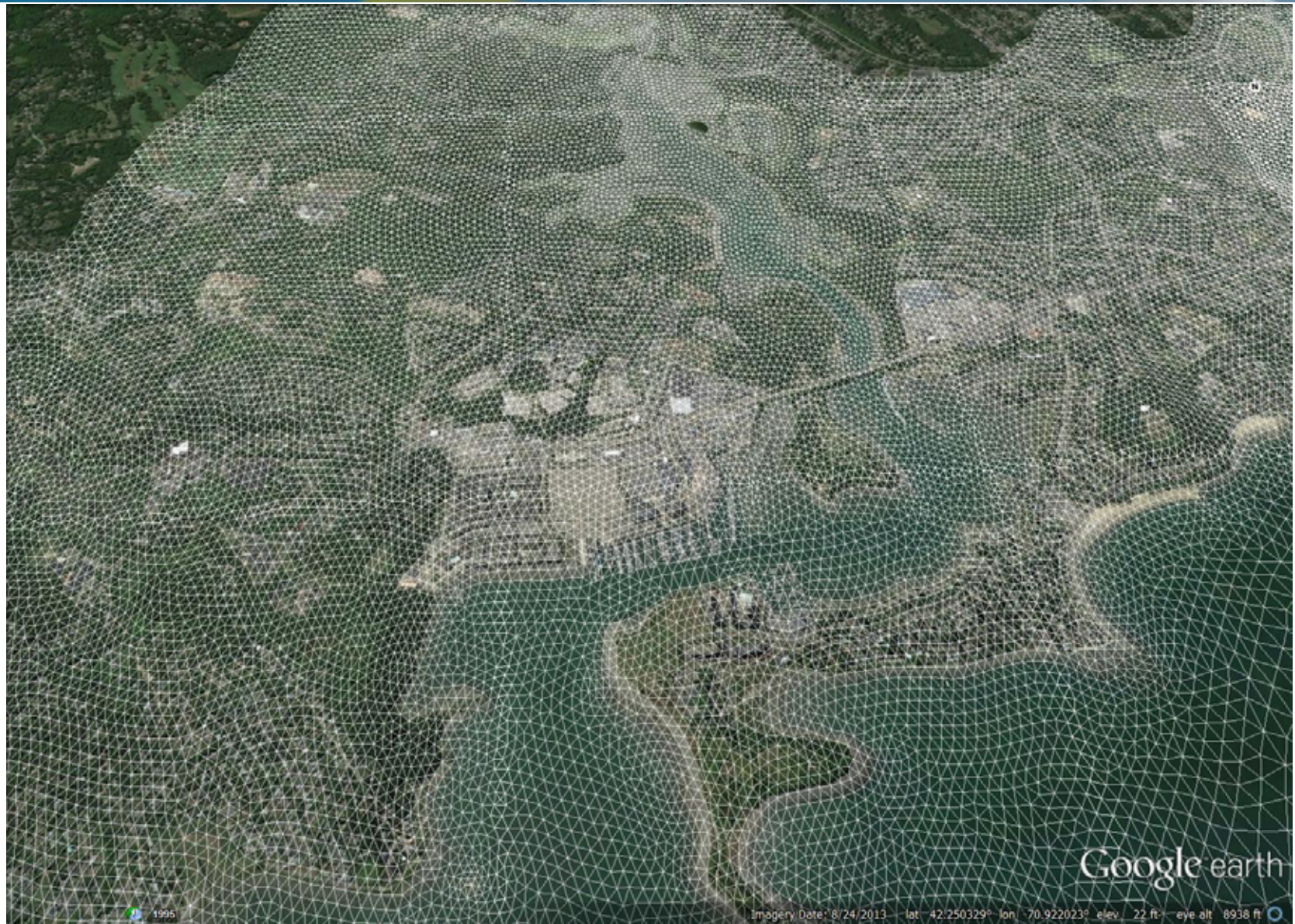
- **Develop appropriate sea level rise and storm surge scenarios**
- **Understand vulnerability of municipal infrastructure and natural resources to sea level rise and storm surge**
- **Develop potential short-, mid- and long-term adaptation strategies:**
 - **Protect**
 - **Accommodate**
 - **Retreat**

- **Produce high quality maps and graphics**
- **Undertake a public outreach and education program**

- **2015 - Present**
- **2030 – 15 years out – Near term**
- **2070 – 55 years out – Long term**

A Detailed Water Surface Model





Inundation Maps



SLR of 1.08 ft by 2038



SLR of 5.16 ft by 2088

Photorealistic Renderings



Tentative Project Milestones

- **Signed Contract with Kleinfelder:** **09/02/2014**
- **Project Kick-Off Meeting:** **09/15/2014**
- **Phase 1 (Study Parameters):** **10/24/2014**
- **Phase 2 :**
 - Modeling** **12/15/2014**
 - Pre. Vulnerability Assessment** **01/23/2015**
- **Public Meeting** **02/04/2015**
- **Phase 3 (Strategies)**
 - Pre. Adaptation Recommend.** **03/20/2015**
- **Public Meeting** **04/08/2015**
- **Phase 3 (Final Report)** **04/30/2015**

Thank You! – Questions?

