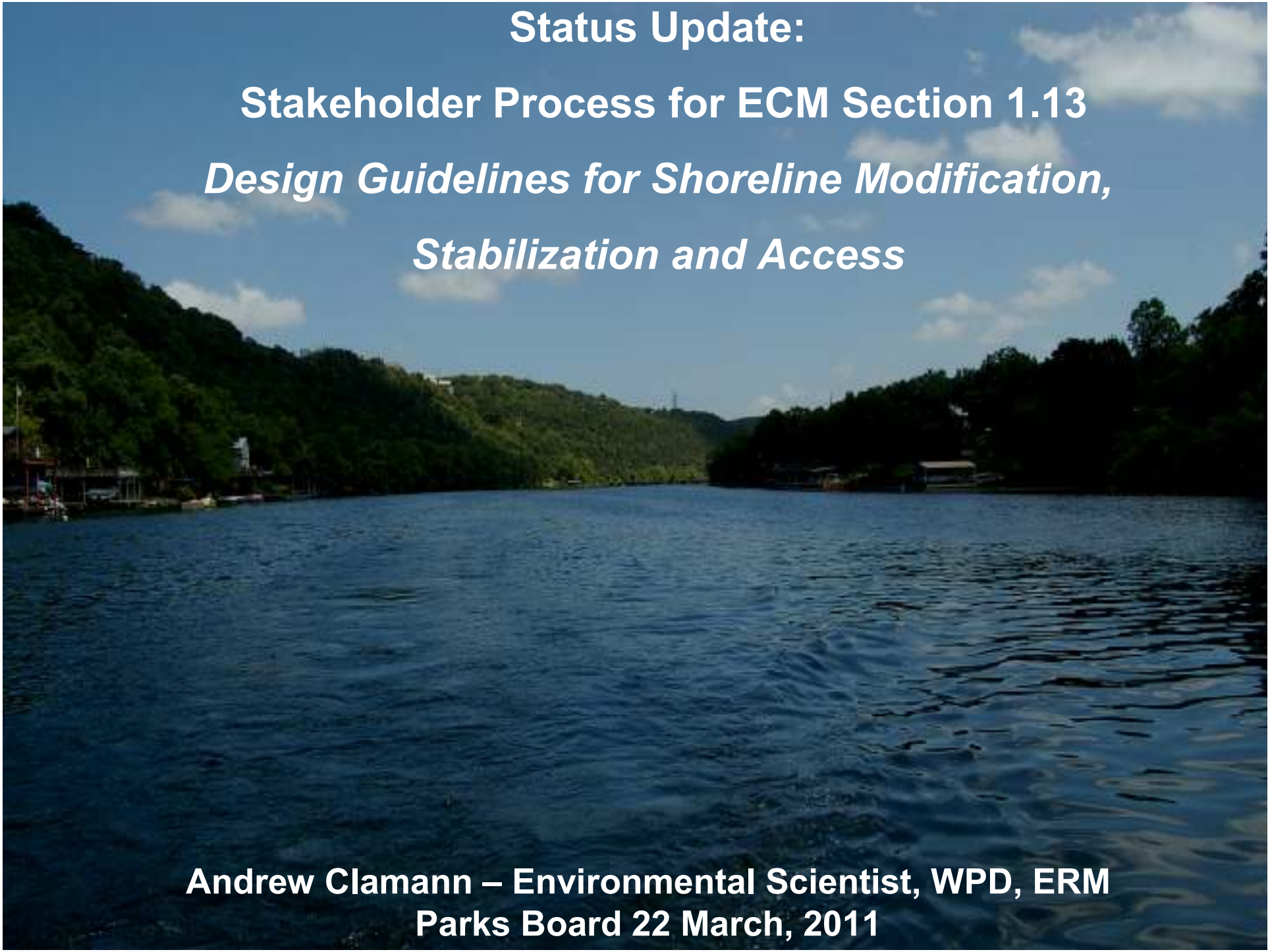


Status Update:

Stakeholder Process for ECM Section 1.13

Design Guidelines for Shoreline Modification, Stabilization and Access

Andrew Clamann – Environmental Scientist, WPD, ERM

Parks Board 22 March, 2011

Presentation Outline

Background

Final Ordinance

Status of ECM Stakeholder Process

Draft ECM Summary

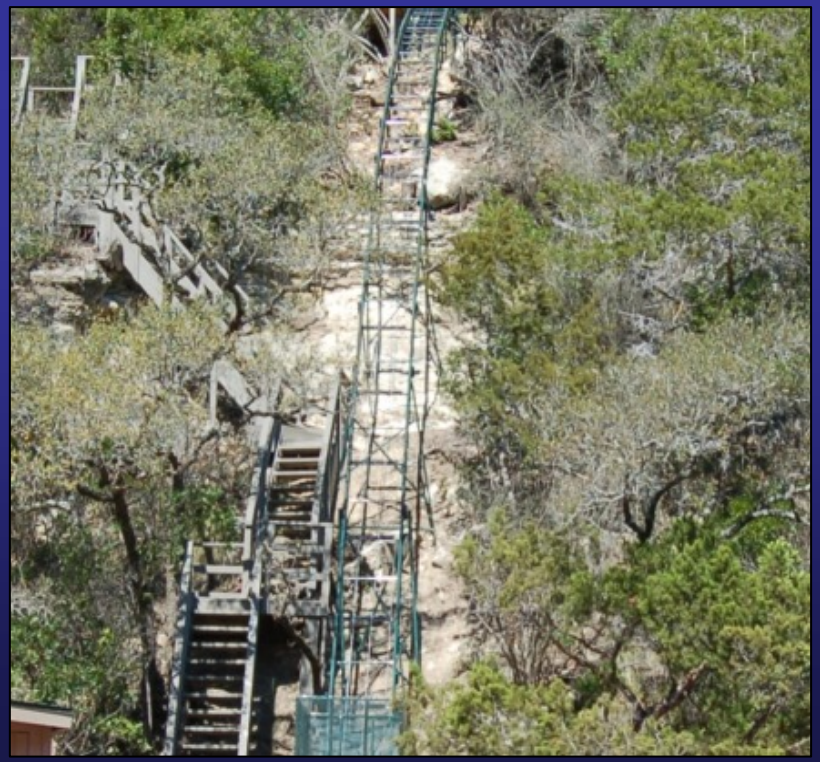
Background

Advantages

- Dissipates storm runoff
- Supports a stable slope
- Biological integrity
- Natural and traditional character

Disadvantages

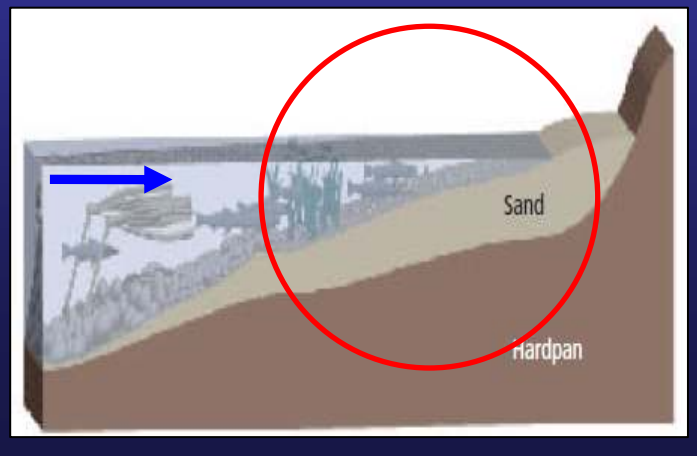
- Concentrates storm runoff
- Impacts to CEFs (rimrock, bluff)
- Potential for instability & erosion



Background

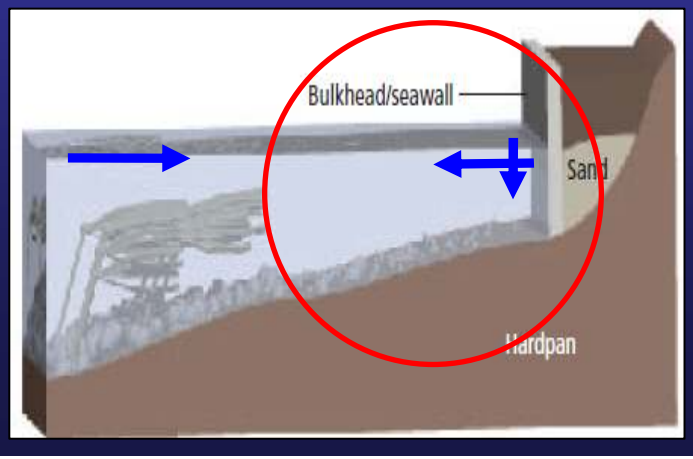
Advantages

- Absorbs wave energy
- Supports water quality
- Supports biological integrity



Disadvantages

- Wave reflection
- Impacts to CEFs (wetlands)
- Replaces aquatic habitat



Background

Recommended changes to Code and Criteria:

Trams

- Require site plan, Title 25 applicability
- Minimize disturbance
- Maintain existing canopy
- Vegetate to protect slope

Bulkheads

- Non-vertical slope
- Include vegetation
- Use natural materials on exterior

Public Presentations

Feb 19, 2009: Parks Board – presentation
May 20, 2009: Environmental Board – presentation
July 15, 2009: Environmental Board – motion to initiate staff development
July 20, 2009: Navigation Board – status presentation
Aug 25, 2009: Parks Board – recommendation to PC to initiate staff development
Oct 27, 2009: Planning Commission – initiates staff development
Apr 27, 2010: Parks Board – status presentation
May 19, 2010: Environmental Board – status presentation
Jun 14, 2010: Environmental Board Subcommittee (with stakeholders)
July 7, 2010: Environmental Board Subcommittee (with stakeholders)
July 21, 2010: Environmental Board Motion to support draft code amendments
Aug 24, 2010: Parks Board Motion to support draft code amendments
(ECM draft provided to stakeholders Sep 17, 2010)
Sep 28, 2010: Planning Commission
Oct 11, 2010: Waterfront Planning Advisory Board
Oct 12, 2010: Planning Commission
Oct 28, 2010: City Council – Provided staff with direction for revisions
Nov 10, 2010: Supplemental stakeholder Meeting for LDC and ECM
Dec 9, 2010: Council Approval

Final Ordinance

Primary changes to ordinance occuring since the Aug 2010 Parks motion to support

- Provide ability to repair and maintain non-complying structures
- Provide rules to reclaim some land lost to erosion
- Provide exemption for man-made channels

Council Direction

1 New regulations should not apply to pre-existing, non-complying bulkheads and docks using rules currently in place for non-complying structures

Action: New subsection (D) in Section 25-2-963 (*Modification and Maintenance of Non-complying Structures*)

Provisions for:

- modification
- repair
- reinforcement
- maintenance

Council Direction

2 Site plan exemptions should apply for repair, alteration and maintenance

Action: New subsection (L)(5) in Section 25-5-2 (*Site Plan Exemptions*)

Provisions for:

- repair
- reinforcement
- maintenance

Council Direction

3 Recapture section should allow repairs that extend into the water to protect vegetation and stabilize property

Action: New subsection (D) in Section 25-2-1174 (*Structural Requirements*)

Provisions to restore land eroded within the previous 10 years (not to exceed subdivided lot line) with documentation

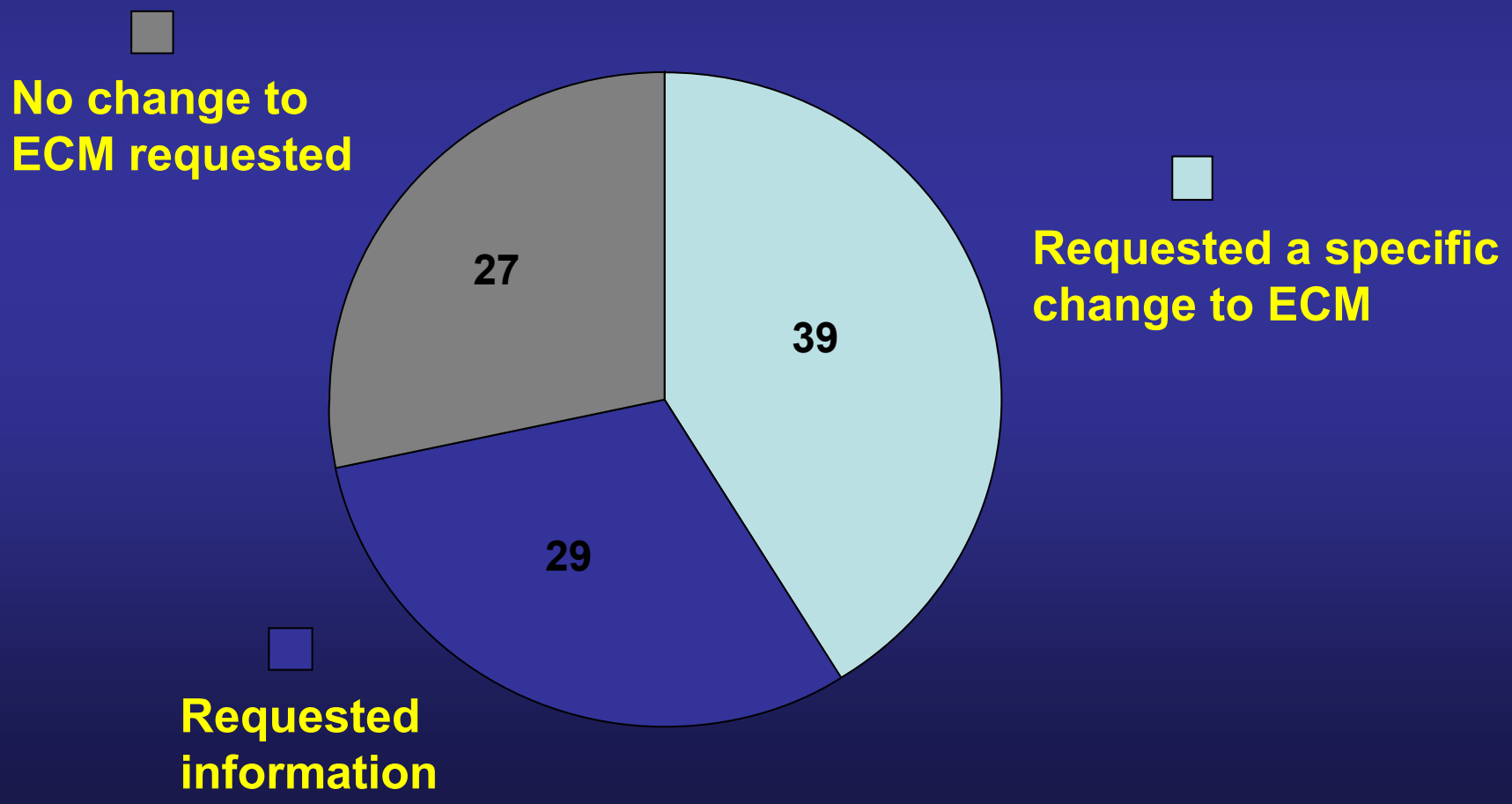
Status of ECM Stakeholder Process

Process to date

Sep 2010	Draft ECM provided to list of interested stakeholders with request for comment
Oct 2010	Internal (City Departmental) stakeholder meeting
Nov 2010	External stakeholder meeting
Jan 2011	Draft ECM posted for public comment, Mailed notification to 2,593 stakeholders, Emailed registered stakeholders Emailed notification to Env Board and Parks Board, Held a supplemental public stakeholder meeting
Feb 2011	Public comment period closed
Mar 2011	Provide response to stakeholder comments

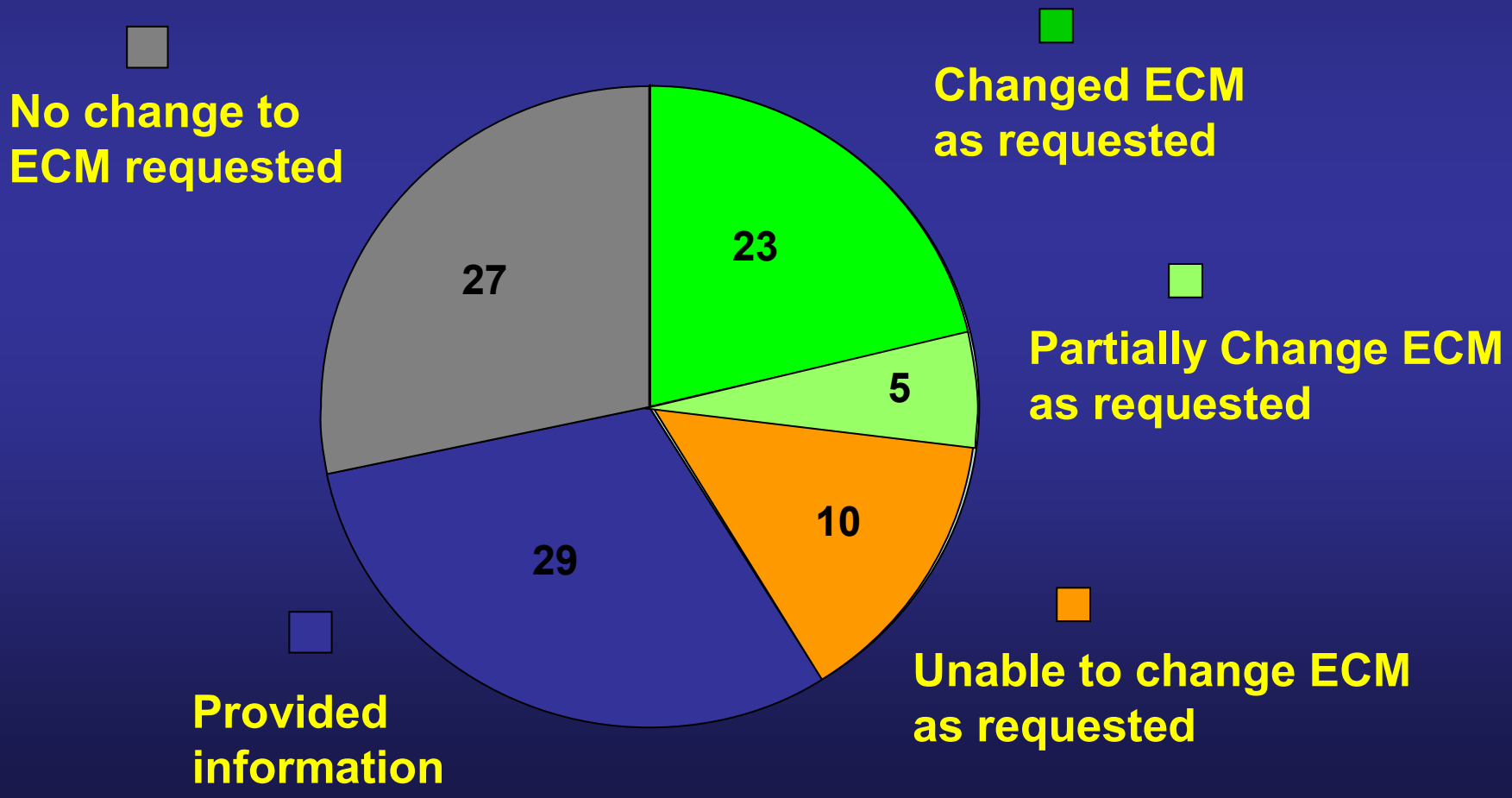
Stakeholder Comments

6 stakeholders submitted comments



Stakeholder Comments

ERM response to comments are anticipated 2nd week of March



Environmental Criteria Manual

Section 1.13.0

What the ECM 1.13 does do:

- Clarifies Code
- Provides resources, recommendations and guidance
- Establishes criteria

What the ECM does not do:

- Require a “one size fits all” method
- Require any specific design

Environmental Criteria Manual

Section 1.13.0

Guidance/Resource

Requirements

1.13.1 Introduction
1.13.2 Policy and Intent
1.13.3 Definitions
1.13.4 Identification Tag
1.13.5 Recommended Guidance
1.13.6 Design and Materials
1.13.7 Vegetation for Trams
1.13.8 Additional Considerations
1.13.9 Resource Guidance

Environmental Criteria Manual

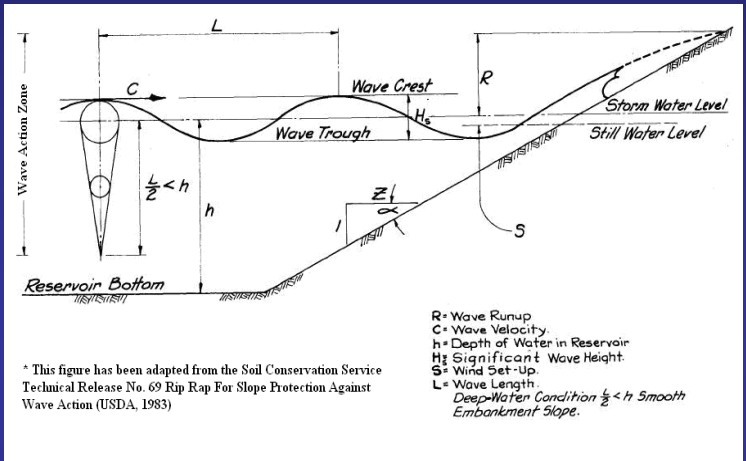
Section 1.13.0

1.13.6 Design and Material Requirements

A. Non-vertical slope

"on or adjacent to shoreline"

= wave action zone



* This figure has been adapted from the Soil Conservation Service Technical Release No. 69 Rip Rap For Slope Protection Against Wave Action (USDA, 1983)

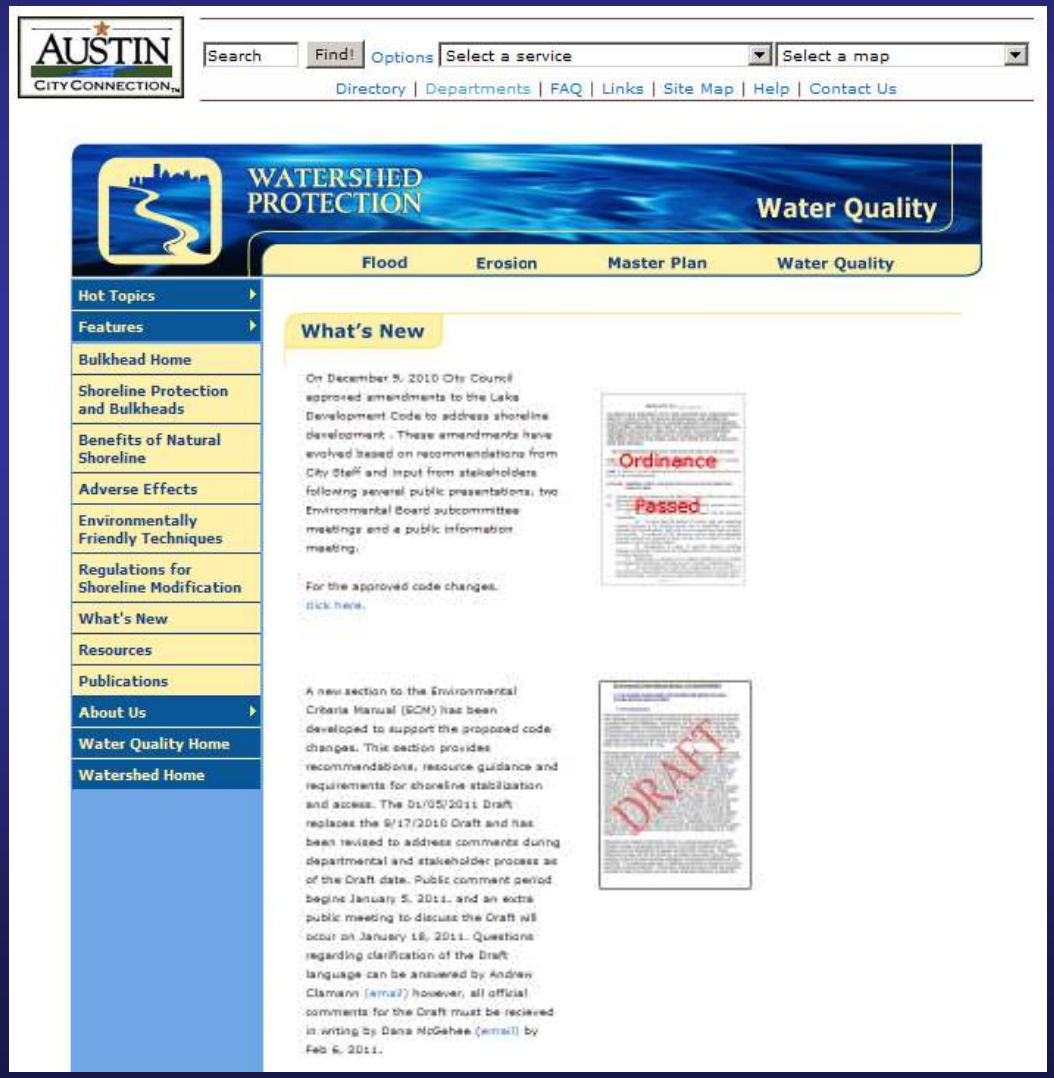
B. Protect from overtopping, flanking, toe scour

C. Vegetation (planting criteria)

D. Materials (exterior of natural materials)

Current ECM Draft (Jan 5) is posted at:

www.ci.austin.tx.us/watershed/bulkhead_new.htm



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