Dam Ownership Risks & Burdens: Raising Public Awareness through Educating Real Estate Agents
Outlines

• Real Estate and Dam Ownership
• Oklahoma Dam Safety Program
• Dam Safety for Real Estate Agents
• Next Step
Real Estate and Dam Ownership

• Real Estate & Economic Growth
• Water-Adjacent Properties
• 69% Privately Owned
• Average Age > 50 Years Old

Oklahoma has 55,646 miles of shoreline
Real Estate and Dam Ownership

- Lack of Public Knowledge
- Homes in Inundation Zones
- Zoning Officials

Dam failure flood is not equal to 100-year flood
Oklahoma Dam Inventory
(Jurisdictional Dams by Agency and Hazard Classification)

Jurisdictional Dams
(Agency & Hazard Class)
- OWRB - High (111)
  - Significant (41)
  - Low (2,359)
- NRCS - High (253)
  - Significant (163)
  - Low (1,692)
- Other Federal - High (45)
  - Significant (7)
  - Low (67)

The OWRB coordinates the Oklahoma Dam Safety Program to ensure the safety of over 4,700 dams in the state. The Oklahoma Dam Inventory Map helps identify and classify dams by jurisdiction and hazard class. For more information, please visit the OWRB's website at: (http://www.owrb.ok.gov) 2/2/2018
Oklahoma Dam Safety Program

• Second Nationwide

• Emergency Action Planning

• Hazard-potential Reclassification of Dams

• Rehabilitation of Structurally Deficient Dams

• Public Outreach/Awareness
Public Outreach/Awareness

• Workshops
• Free Breach Analysis Maps
• Simplified Dam Break Analysis
• Free Low Hazard Dam Inspections
• Website
Dam Safety for Real Estate Agents

• ≈400 Realtors
• Realtor’s Role
• “Dam Owner”
• Hazard Reclassifications
OWRB Dam Inventory Viewer
Feedbacks/Concerns/Outcomes
Feedbacks/Concerns/Outcomes

• POND or DAM?
• Owner?
• Reclassification & Property Value
• Zoning Ordinances
• State’s Involvement
Feedbacks/Concerns/Outcomes

• Flood Insurance
• Dam Inventory Viewer
• Increased Inquiries
• Greater Interest
• CE Provider for OREC and OID
<table>
<thead>
<tr>
<th>Environmental (Continued from Page 2)</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>38. Are you aware of any dams located on the property?</td>
<td></td>
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<td>If yes, are you responsible for the maintenance of that dam?</td>
<td></td>
<td></td>
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<tr>
<td>__YES ___NO</td>
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Next Step

• Proper Education
• Zoning Limitations
• Potential Risk Disclosure
• Sharing Responsibilities
Additional Information

- OWRB’s forms, guidelines, and publications are available at http://www.owrb.ok.gov/hazard/dam/dam_forms.php

- FEMA dam safety publication and resources http://www.fema.gov/plan/prevent/damfailure/publications.shtm

- Subscribe for Dam Safety Quarterly
- Email: emma.moradi@owrb.ok.gov
References

• Photos:
  1. https://www.google.com/search?q=eufaula+lake&rlz=1C1NHXL_enUS735US735&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiqyJvWp7cAhWQsKQKHymCDR8Q_AUICygC&biw=1146&bih=626#imgrc=4PcRZDKFLSrVM:
  2. https://www.google.com/search?q=eufaula+lake&rlz=1C1NHXL_enUS735US735&source=lnms&tbm=isch&sa=X&ved=0ahUKEwiYt-GJtvzcAhUIVK0KHSv0DZAQ_AUICygC&biw=1146&bih=801#imgrc=4PcRZDKFLSrVM:
  3. https://www.google.com/search?q=lakefront+property&rlz=1C1NHXL_enUS735US735&source=lnms&tbm=isch&sa=X&ved =0ahUKEwjqvK-6lPzcAhUNZawKHQF5Bt4Q_AUICygD&biw=1122&bih=801#imgrc=gXLyMUnXPk0F2M:

• FEMA dam safety publication and resources
  http://www.fema.gov/plan/prevent/damfailure/publications.shtm