

Richmond-Crater Hazard Mitigation Plan Update

Workshop #1 Minutes

June 21, 2021 – Virtual Meeting via Zoom

AGENDA

- Introductions
- Status Update
- Community Exposure
- Natural Hazards Summary
 - Tropical Storms
 - Tornadoes
 - Radon Exposure
 - Pandemic Flu
 - Winter Weather
 - Wildfire
 - Extreme heat
 - Coastal & Shoreline Erosion
 - Flooding and Impoundment Failure
- Ranking the Hazards (Exercise & Discussion)

MEETING NOTES

- Winter Storm of 1/31/21 – 2/3/21 not shown. Additional storm on Valentine’s Day not mentioned; committee invited to submit additional data for any events not mentioned.
- Structures in 100-year floodplain (slide 86) looks high; later determined that HAZUS was run for all structures even if only parcel was in 100-year floodplain. Question about whether model was run with County’s floodplain layer, as well. (Additional coordination with Wood and County is required.)
- After Radon briefing, one committee member raised questions about whether this hazard was appropriate for the hazard mitigation plan. Additional coordination with Steering Committee is ongoing.
- Anne Witt recommended keeping landslide as a separate hazard; she’ll provide additional data
- Discussion regarding whether Thunderstorms/Lightning is a hazard that should remain in the plan.
- Committee discussed having a Wind Hazard that includes Tropical Storms, Derechos and Nor’easters. Plan will be revised accordingly.
- Poll taken regarding how community leaders and other stakeholders would choose to spend mitigation money:

1. On which hazard would you advise your community leaders to spend your \$1,000,000? Flooding – 17; Coastal/Shoreline Erosion – 2; Pandemic Flu – 2; Drought/Extreme Heat – 1; Tropical Storms – 1

2. On which hazards would you advise your community leaders spend the next \$500,000? (choose up to two)

Winter Weather

Flooding;Coastal/Shoreline Erosion, Sinkholes

Flooding;Winter Weather

Flooding

Drought & Extreme Heat

Tropical Storms;Tornadoes

Flooding;Tropical Storms

Tropical Storms

Coastal/Shoreline Erosion, Sinkholes

Flooding;Coastal/Shoreline Erosion, Sinkholes

Tropical Storms;Winter Weather

Tropical Storms;Tornadoes
 Tornadoes;Earthquakes and Radon
 Flooding;Tropical Storms
 Tropical Storms;Wildfire
 Flooding;Tropical Storms
 Tropical Storms;Tornadoes
 Winter Weather;Drought & Extreme Heat
 Flooding;Coastal/Shoreline Erosion, Sinkholes
 Tropical Storms
 Tornadoes;Winter Weather
 Winter Weather;Pandemic Flu
 Flooding;Winter Weather
 3. On which hazards would you advise your community leaders spend the next \$100,000? (choose up to four)
 Tornadoes
 Winter Weather;Coastal/Shoreline Erosion, Sinkholes
 Flooding;Tropical Storms;Winter Weather;Drought & Extreme Heat
 Flooding
 Winter Weather
 Pandemic Flu
 Flooding;Tropical Storms;Thunderstorms
 Thunderstorms
 Winter Weather
 Tropical Storms;Thunderstorms;Winter Weather;Drought & Extreme Heat
 Tornadoes;Thunderstorms;Drought & Extreme Heat;Wildfire
 Pandemic Flu
 Flooding
 Flooding;Tropical Storms;Thunderstorms;Coastal/Shoreline Erosion, Sinkholes
 Coastal/Shoreline Erosion, Sinkholes;Earthquake & Radon;Pandemic Flu
 Winter Weather
 Flooding;Winter Weather;Coastal/Shoreline Erosion, Sinkholes;Pandemic Flu
 Drought & Extreme Heat;Pandemic Flu
 Tornadoes;Thunderstorms;Winter Weather;Drought & Extreme Heat
 Tornadoes;Winter Weather;Drought & Extreme Heat
 Thunderstorms
 Tropical Storms;Tornadoes;Winter Weather;Pandemic Flu
 Flooding;Tornadoes;Winter Weather;Earthquake & Radon

ATTENDEES

Sarah Stewart, PlanRVA
 Kathryn and Michael Tolliver - Red Cross Capital region
 Kate Hale, New Kent County Emergency Management
 Jeremy Falkenau - Virginia Department of Forestry
 Katie Moody, PlanRVA
 Jay Ruffa, Crater PDC
 John Fitzgerald - Fire Chief Richmond International Airport
 Reid Foster Sussex County
 Jim Kaste, William & Mary
 John Woodburn Goochland County
 Beverly Walkup, Sussex County
 John Hisghman VA Dept of Forestry
 Troy Aronhalt with the Ashland Police Department
 Chris Ward - Senior Planner, Hopewell
 Ron Svejkovsky, Tri-Cities Area MPO
 David Stroud - Wood
 Mike Flagg, Director of Public Works, Hanover County Email: jmflagg@hanovercounty.gov
 Mark Killgore DCR Dam Safety
 Richard Douglas, Sussex County Administrator
 Anne Witt, Geohazards Geologist, VA Dept of Mines, Minerals, and Energy
 Amanda Weaver, VDEM Region 1

Angela Davis, DCR Floodplain Management
Tim Graves, Planner, Prince George County
Alanna Ostrowski - Virginia Department of Forestry
Christopher A. Workman from Chesterfield County
Darryl E. Walker, City of Petersburg, VA
Reginald Tabor, City of Petersburg Director of Planning and Community Development
Michael Poarch, Sussex County
Jessica Robison, Chesterfield Emergency Management
Dana Adkins - Environmental Director, Chickahominy Indian Tribe
Paul Drumwright, Goochland County
Steven Herring, Chesterfield Emergency Management
Rebekah Cazares, PlanRVA
Surani Olsen, City of Richmond
Bill Lawson - City of Richmond Emergency Management
Jeff Stoke, Deputy County Administrator, Prince George County
Donald Hunter E M Prince George
Kristin Owen, Henrico County, Floodplain & Dam Safety Manager
Warren Taylor, Natural Resources Manager, Pamunkey Indian Tribe
Darshan Parikh, Chesterfield Emergency Management
Tevya W. Griffin, Director of Development City of Hopewell
Leigh Chapman, Salter's Creek Consulting, Inc.

INVITEES

Email invitations were issued to each of the individuals shown on the following email invite dated 6/4/21, with followup on 6/11/21. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons.

Leigh.morgan.chapman@gmail.com

From: leigh.morgan2@verizon.net
Sent: Friday, June 4, 2021 11:58 AM
To: mingram@dinwiddieva.us; jperkinson@dinwiddieva.us; sedwards@dinwiddieva.us; mgrant@dinwiddieva.us; wjohnson@ci.emporia.va.us; bhawthome@ci.emporia.va.us; jhunter@goochlandva.us; Paul Drumwright; tkilduff@goochlandva.us; Sherry, Jamie; jwoodburn@goochlandva.us; jkronberg@goochlandva.us; bparson@greenvillecountyva.gov; tpernell@greenvillecountyva.gov; lpope@greenvillecountyva.gov; ahuskey@greenvillecountyva.gov; nslate@greenvillecountyva.gov; rowens@greenvillecountyva.gov; dpmaloney@hanovercounty.gov; cdcheely@Hanovercounty.gov; elthomas@HanoverVirginia.com; htharris@Hanovercounty.org; jmflagg@hanovercounty.gov; Hardman, Randy W.; rgsager@hanovercounty.gov; corey beazley; dee12@henrico.us; Rowley, Rob; Owen, Kristin; anthony@henrico.com; Will Jones; Ben.Sheppard@Henrico.us; cob008@henrico.us; maltman@Hopewellva.gov; bruppert@hopewellva.gov; dthompson@Hopewellva.gov; cward@Hopewellva.gov; Robert Williams; Jeff.Orrock@noaa.gov; jbattiata@hopewellva.gov; cdane@hopewellva.gov; tgriffin@hopewellva.gov; kchale@newkent-va.us; klleduc@newkent-va.us; Krista Eutsey; cgjackson@newkent-va.us; mjsmolnik@newkent-va.us; jmstauder@newkent-va.us; city.manager@petersburg-va.org; rtabor@petersburg-va.org; ccurrin@petersburg-va.org; fosoba@petersburg-va.org; Darryl Walker; sreynolds@powhatanva.gov; Curt Nellis; bschardein@powhatanva.gov; Brigid Paciello; apompei@powhatanva.gov; aoliver@Powhatanva.gov; pashcraft@princegeorgecountyva.gov; dhunter@princegeorgecountyva.gov; jwalton@princegeorgecountyva.gov; yjabri@princegeorgecountyva.gov; jstoke@princegeorgecountyva.gov; Horace Wade; Lawson, William W. - Fire; James Nolan; Olsen, Surani S. - DPU; brianne.fisher@richmondgov.com; bryce.wilk@richmondgov.com; LEONARD.SLEDGE@RICHMONDGOV.COM; kevin.vonck@Richmondgov.com; paige.hairston@Richmondgov.com; rdouglas@sussexcountyva.gov; bwalkup@sussexcountyva.gov; mpoarch@sussexcountyva.gov; rfoster@sussexcountyva.gov; mrollins@surrycountyva.gov; rphelps@surrycountyva.gov; dharrison@surrycountyva.gov; waustin@folar-va.org; hbarrar@folar-va.org; sralston@jrava.org; jdoyle@jrava.org; ndean@allianceforthebay.org; townofsurry@aol.com; townofsurry@aol.com; satcinc53@yahoo.com; townclaremont@aol.com; townofclaremont@aol.com; mayor@jarratva.com; mwilson@jarratva.com; town mckenney; town mckenney; blaine@featherlitecoaches.com; wakefieldtown@verizon.net; amcphaul@town.waverlyva.us; fjacksonsolarenergy@gmail.com; townofstonycreek@gmail.com; john.g.royster.civ@mail.mil; adrienne.moore@dla.mil; Dana Adkins; Jessica Phillips; debra.hansen@pamunkey.org; wwalker@rappahannocktribe.org; environment@umitribe.org; jruffa@craterpdc.org; Sarah Stewart; Katie Moody; abrebner@craterpdc.org; doug.gagnon@vdm.virginia.org; Weaver, Amanda (VDEM); leigh.morgan2@verizon.net; gis@princegeorgecountyva.gov; jsadler@hrpdca.gov; noelle.slater@aecom.com; Chet Parsons; Myles Busching; rsvejkovsky@craterpdc.org; Weaver, Amanda (VDEM); anne.witt@dmme.virginia.gov; marcie.occhi@dmme.virginia.gov; michelle.l.hamor@usace.army.mil; Shep.Moon@deq.virginia.gov; Mark.Killgore@dcr.virginia.gov; Angela.Davis@dcr.virginia.gov; jeremey.falkenau@dof.virginia.gov; donnab@vims.edu; mason@vims.edu; tracey.harmon@vdot.virginia.gov; liz.mcadory@vdot.virginia.gov; Mark.Irving@VDOT.Virginia.gov; bnelson@PortofVirginia.com; jrutledge@flyrichmond.com; jfjtgerald@flyrichmond.com; locke.ogens@TNC.ORG; sam.mayman@chamberrva.com; Parker Agelasto; twilliams@youraaa.org; mylantran@aabac.org; mrmrsj@aol.com; ldachille@vcu.edu; adrienne.torres@ridegrtc.com; tiffany.dubinsky@drpt.virginia.gov; steve.parrott@central-region.org; pete.svoboda@central-region.org; mfecht@rvaschools.net; Carl.Wood@HCAHealthcare.com; tony.savage@dominionenergy.com; wayne.geary@redcross.org; Robert.e.lukhard@dupont.com; StreetA@yourunitedway.org; Virginia Hispanic Chamber of Commerce, Michel Zajur; BMorring@princegeorgecountyva.gov; jim.wallace@colonialswcd.net; slconner@hanovercounty.gov; keith.burgess@vaswcd.org; liv042@henrico.us

Cc: Sarah Stewart; Katie Moody; jruffa@craterpdc.org; Stroud, David A
Subject: ***Richmond-Crater Hazard Mitigation Plan Update - Workshop #1***

Importance: High

Good morning, everyone!

Workshop 1 - A Briefing on the Richmond-Crater Hazard Identification and Risk Assessment portion of the updated Hazard Mitigation Plan will be held **June 21 from 2:00 to 4:00PM** via ZOOM. A calendar appointment for the meeting will follow this email.

Who should attend workshops?

- If you haven't already, **each community must designate 2 committee staff participants, at least one of whom must attend each planning workshop.**
- We need a variety of staff disciplines represented from the region as a whole, including: building dept/code officials, engineering, land use planning/zoning, public works, emergency management/public safety, public information, environmental protection/public health, parks/recreation, elected official or CEO, housing/community development. Additional staff may wish to attend and be involved in the planning process; this is encouraged!
- Stakeholders: via this email, we are inviting a variety of stakeholders including several state and Federal agency reps, other PDCs, adjacent communities, Indian tribal leaders, non-profits and others to participate. Representatives of other stakeholders, such as developers and contractors, civic groups, environmental organizations, academia, major employers, professional organizations (ie, realtors, lenders, home builders) and staff from other governmental agencies, such as a housing authority, are welcome. Confer with your PDC to prevent duplicate invites. **CRS communities should give this careful consideration as points are available for increased numbers of stakeholder participation.**
- The meetings are open to the public, but please advise interested persons that **these are working meetings and not presentations.** We are not heavily advertising beyond the web site.

Please note that we will hold **Public Meeting #2 on June 28 at 5pm**, also via Zoom, and it will also be a shorter briefing on the same topic. I will send you the advertising materials, Zoom link and calendar invite in a separate email for your use.

Who should attend public meetings?

- Anyone can attend. Property owners, business owners, students, renters, etc.
- A community representative should always plan to attend in case questions or important topics come up from members of the public.

I hope you'll make plans to attend this very important workshop on June 21 – it's a critical step in the mitigation planning process.

Leigh


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