Plenary Meeting #4
AFTF Member Guidance Survey
For Model Ordinance and Design Guidelines

Name: _____

Model Ordinance Policies

The Alluvial Fan Model Ordinance should:

1. be designed to supplement existing local flood management and municipal code ordinances to reduce flood risk to lives and property on alluvial fans.
   ☐ Agree ☐ Disagree ☐ No Opinion be designed to reduce the impacts of development on the environmental assets on alluvial fans.
   ☐ Agree ☐ Disagree ☐ No Opinion
2. be designed to enhance the integrated regional watershed management of the region.
   ☐ Agree ☐ Disagree ☐ No Opinion
3. be based on the premise that alluvial fans possess individual characteristics and need to be evaluated individually.
   ☐ Agree ☐ Disagree ☐ No Opinion
4. seek to achieve balance between development and the protection of environmental assets on alluvial fans.
   ☐ Agree ☐ Disagree ☐ No Opinion
5. require that foreseeable flood and environmental risks are identified, but the decision of "what is acceptable risk" to the local jurisdictions.
   ☐ Agree ☐ Disagree ☐ No Opinion
6. not interfere with local jurisdictions, but be provided as an informational package for their updates to General Plans, Multi Species or Habitat Management Plans or Local Hazard Mitigation Plans.
   ☐ Agree ☐ Disagree ☐ No Opinion

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The Alluvial Fan Model Ordinance should:

1. include methodologies, standards and protocols for assessing the flood risk on the different types of alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
2. include information on flood management measures that are appropriate for the different the types of alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
3. identify other regulations and associated methodologies for assessing companion risks such as fire, post-fire erosion and seismic issues that may exist on different types of alluvial fan surfaces in the AFTF Study Area and associated impacts on the built environment.(water tanks, catch basins or diversion channels).
   ☐ Agree ☐ Disagree ☐ No Opinion
4. include a methodology for assessing the processes upland from the alluvial fan surface that may contribute to debris flows and flooding.
   ☐ Agree ☐ Disagree ☐ No Opinion
5. include a methodology for assessing a hierarchy of foreseeable risks.
   ☐ Agree ☐ Disagree ☐ No Opinion
6. include a methodology for assessing the cumulative impact of existing and proposed developed on different types of alluvial fans in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion

7. include strategies for communicating residual risk to developers (pre-project), property owners and elected officials (post-project).
   ☐ Agree ☐ Disagree ☐ No Opinion
8. include strategies for developing evacuation plans in the event of single disasters (flood, fire, earthquake) and multiple events especially for cities adopting only county Hazard Mitigation Plans
   ☐ Agree ☐ Disagree ☐ No Opinion
9. include a methodology for integrating new development and floodplain management with regional watershed management objectives and for assessing potential adverse impacts to the watershed.
   ☐ Agree ☐ Disagree ☐ No Opinion
10. include a methodology for identifying and assessing financial incentives for developments that maximize safety and enhance risk management.
   ☐ Agree ☐ Disagree ☐ No Opinion
11. include a methodology for identifying and assessing financial incentives for developments that benefit regional flood, groundwater and habitat management objectives.
   ☐ Agree ☐ Disagree ☐ No Opinion
12. include a methodology for identifying and disclosing the foreseeable financial costs of maintaining flood management infrastructure over the lifetime of the development.
   ☐ Agree ☐ Disagree ☐ No Opinion

Model Ordinance Technical Information

The Alluvial Fan Model Ordinance should:

1. identify all regulating agencies that have jurisdiction or reviewing authority on alluvial fans.
   ☐ Agree ☐ Disagree ☐ No Opinion
2. identify the potential advantages of mapping at the same time all the alluvial fans in an area projected for development.
   ☐ Agree ☐ Disagree ☐ No Opinion
3. identify a methodology for assessing alluvial fan management requirements that cross jurisdictional lines.
   ☐ Agree ☐ Disagree ☐ No Opinion
4. develop a method for streamlining the regulatory process, including federal and state regulations, on flood safety and environmental matters.
   ☐ Agree ☐ Disagree ☐ No Opinion
5. provide the local jurisdictions with on-line access to the GIS databases (developed by the Alluvial Fan Task Force or others) that include the Alluvial Fan GIS database, public and private ownership, Fire and Post-fire Erosion Risks to Structures, Growth Projections and DFIRMS/
   ☐ Agree ☐ Disagree ☐ No Opinion

Design Guideline Policies

The Alluvial Fan Design Guidelines should:

1. provide tools for local jurisdictions and project applicants to identify and implement multi-objective management strategies that may be necessary to reduce flood risk to lives and property, to protect ecosystem values and environmental assets, including endangered or threatened species, and habitat connectivity, and to provide groundwater recharge on alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
2. provide tools appropriate for all types of project applicants: owner/builders, small or mid-sized developers and master developments
   ☐ Agree ☐ Disagree ☐ No Opinion

3. tools for local jurisdictions to integrate GIS databases of existing and proposed developments on alluvial fans to identify the most advantageous areas for floodway corridor bond funding for alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion

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The Alluvial Fan Design Guidelines should:

1. identify all regulatory requirements for alluvial fan development so that developers will know what is required to expedite permitting and provide certainty in the development process.
   ☐ Agree ☐ Disagree ☐ No Opinion
2. include strategies for local jurisdictions and project applicants to minimize the loss of water infiltration on alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
3. include strategies for local jurisdictions and project applicants to handle different flow sizes/rates/quantities for alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
4. include strategies for local jurisdictions and project applicants to integrate development with existing agriculture.
   ☐ Agree ☐ Disagree ☐ No Opinion
5. include strategies for project applicants to maximize amenity values and leverage market resources in alluvial fan developments.
   ☐ Agree ☐ Disagree ☐ No Opinion
6. include information for local jurisdictions on financial tools for risk management such as GHADs, catastrophe bonds or establishing an Alluvial Fan Flood Risk Hazard Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
7. include criteria and protocol for density transfers and open space credit.
   ☐ Agree ☐ Disagree ☐ No Opinion
8. include information on Low-Impact Development BMP's that may be appropriate for different types of alluvial fan surfaces in the AFTF Study Area.
   ☐ Agree ☐ Disagree ☐ No Opinion
9. should include a protocol for local jurisdictions project applicants to assess flood hazards on the alluvial fan that combine geological, meteorologic, hydrologic, and fire conditions that may occur in the region, in addition to the 1% annual chance (100 year flood hazard assessment).
   ☐ Agree ☐ Disagree ☐ No Opinion
10. include a "tool box" of flood hazard mitigation measures that "work with nature" (such as diversion walls) that may be appropriate on particular alluvial fan surfaces.
    ☐ Agree ☐ Disagree ☐ No Opinion
11. include strategies for public/private partnerships between developers, local governments and non-profit conservancies.
    ☐ Agree ☐ Disagree ☐ No Opinion

Design Guidelines Technical Information

The Alluvial Fan Design Guidelines should:

1. provide the local jurisdictions with on-line access to the GIS databases developed by the Alluvial Fan Task Force that include the Alluvial Fan GIS database, public and private ownership, Fire and Post-fire Erosion Risks to Structures, Growth Projections and DFIRMS.
   ☐ Agree ☐ Disagree ☐ No Opinion