



| DI | SC | CL/ | 411 | Μ | EF | R |
|----|----|-----|-----|---|----|---|
| | | | | | | |

1. This modeling effort is preliminary and was performed as a rapid response to a fire. The information presented is for information purposes and not for design or for land planning use.

2. The simulated discharges are based upon a rainfall-runoff simulation within the model limits and reflect the outcome of FLO-2D modeling for storm simulations following prescribed parameters such as rainfall depth, rainfall distribution, and soil infiltration.

3. The underlying elevation data is the best available data. Issues were found with this data, including extensive flat areas upstream of some road crossings.

4. Most culverts are not modeled and are assumed to be clogged. No storm drain is modeled.

5. Flow depths do not consider failure of berms, dikes, and embankments.

6. Post-fire infiltration rates have been estimated based upon available literature and are not field-verified.

7. Post-fire burn severity used in the modeled simulation was assumed to be high for the entire fire perimeter. Burn severity - and thus infiltration – will be adjusted as data becomes available.

| FPXSEC | 3 |
|-----------------------|--------------------------------|
| Description | Bloody Tanks Wash u/s of Miami |
| Prefire Peak Q (cfs) | 2555.48 |
| Postfire Peak Q (cfs) | 7095.63 |
| % Increase | 178% |

| FPXSEC | 1 |
|-----------------------|---------------------------------|
| Description | Bloody Tanks Wash d/s of HWY 60 |
| Prefire Peak Q (cfs) | 2359.47 |
| Postfire Peak Q (cfs) | 6209.99 |
| % Increase | 163% |





| FPXSEC | 32 | FPXSEC | 5 |
|----------------------|-------------------------------|-----------------------|------------------------------------|
| Description | Russell Gulch u/s of Hospital | Description | Russell Gulch at Tonto NF Boundary |
| Prefire Peak Q (cfs) | 1687.38 | Prefire Peak Q (cfs) | 2555.48 |
| Postfire Peak Q | 6720.73 | Postfire Peak Q (cfs) | 4757.41 |
| % Increase | 298% | % Increase | 86% |

DISCLAIMER

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