# Predicted High Park Fire Flood Response: Bellvue Area

USDA Natural Resources Conservation Service

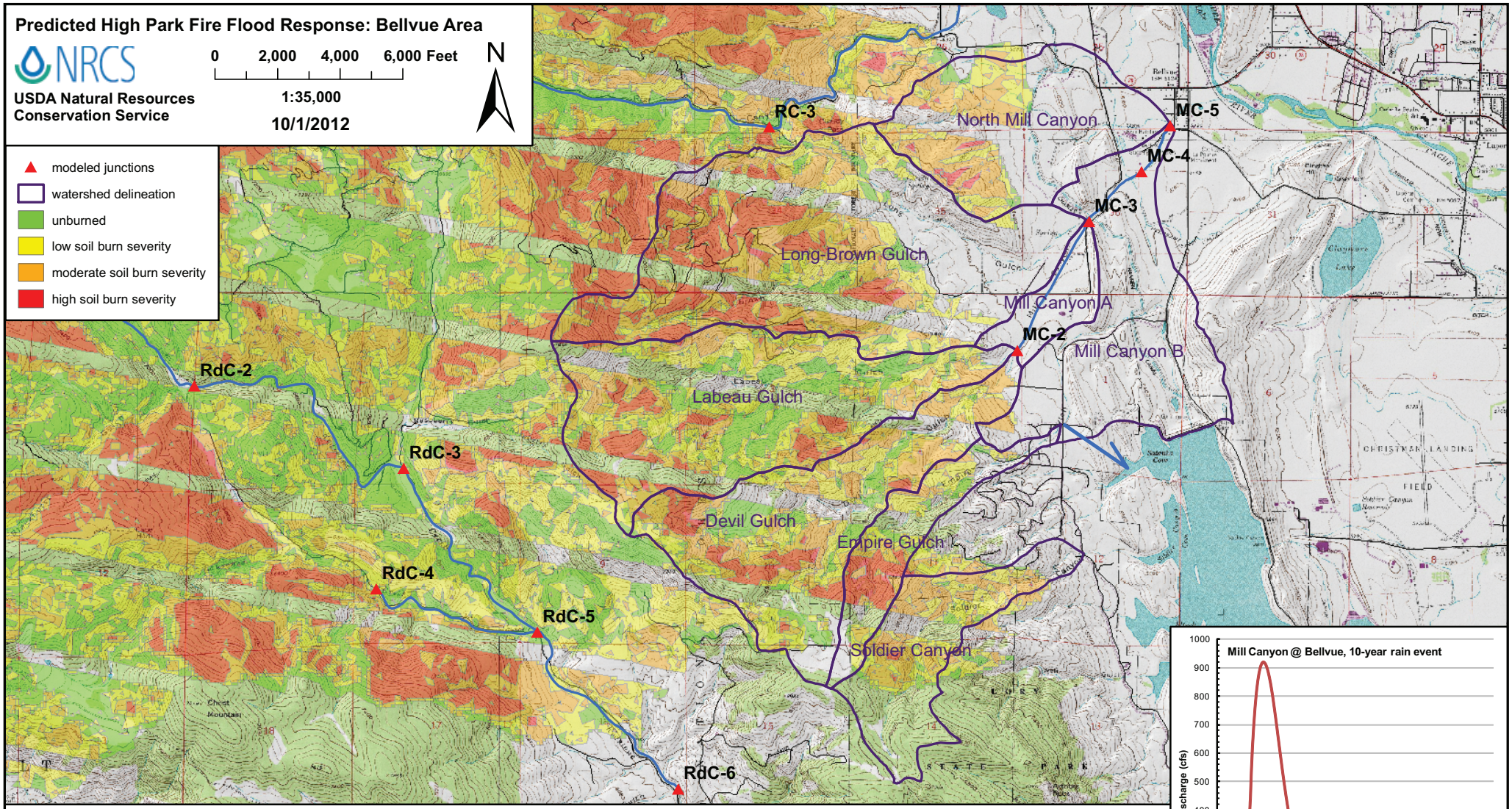
0 2,000 4,000 6,000 Feet

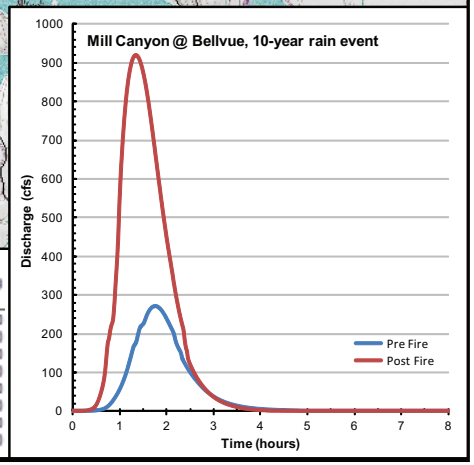
1:35,000

10/1/2012

N

- modeled junctions
- watershed delineation
- unburned
- low soil burn severity
- moderate soil burn severity
- high soil burn severity




| Junction or Catchment | Drainage Area (m²) | 2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire | Post Fire | Post/Pre Peak Flow | Sed. Bulking Flow (cfs) | 10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire | Post Fire | Post/Pre Peak Flow | Sed. Bulking Flow (cfs) | 25-Year Rain Event (1.8 inches) Predicted Flow (cfs) Pre Fire | Post Fire | Post/Pre Peak Flow | Sed. Bulking Flow (cfs) | 50-Year Rain Event (2.2 inches) Predicted Flow (cfs) Pre Fire | Post Fire | Post/Pre Peak Flow | Sed. Bulking Flow (cfs) | 100-Year Rain Event (2.4 inches) Predicted Flow (cfs) Pre Fire | Post Fire | Post/Pre Peak Flow | Sed. Bulking Flow (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC-2 | 3.33 | 0 | 38 | n/a | 42 | 120 | 430 | 3.6 | 470 | 250 | 690 | 2.8 | 760 | 480 | 1100 | 2.3 | 1200 | 610 | 1300 | 2.2 | 1500 |
| Long-Brown Gulch | 2.64 | 0 | 43 | n/a | 54 | 110 | 380 | 3.6 | 470 | 210 | 600 | 2.8 | 750 | 390 | 930 | 2.4 | 1200 | 500 | 1100 | 2.2 | 1400 |
| MC-3 | 5.97 | 0 | 74 | n/a | 81 | 220 | 810 | 3.6 | 890 | 460 | 1300 | 2.8 | 1400 | 880 | 2100 | 2.3 | 2300 | 1100 | 2500 | 2.2 | 2700 |
| MC-4 | 5.97 | 0 | 74 | n/a | 81 | 240 | 830 | 3.4 | 910 | 520 | 1400 | 2.6 | 1500 | 1000 | 2200 | 2.2 | 2400 | 1300 | 2600 | 2.0 | 2900 |
| North Mill Canyon | 1.13 | 0 | 2.2 | n/a | 2.4 | 39 | 93 | 2.4 | 100 | 82 | 160 | 2.0 | 180 | 160 | 270 | 1.7 | 300 | 200 | 340 | 1.7 | 370 |
| MC-5 | 6.61 | 0 | 76 | n/a | 84 | 270 | 920 | 3.4 | 1000 | 590 | 1500 | 2.6 | 1700 | 1200 | 2400 | 2.1 | 2700 | 1500 | 3000 | 2.0 | 3300 |
| Empire Gulch | 0.48 | 0 | 7.0 | n/a | 7.7 | 27 | 72 | 2.7 | 79 | 52 | 120 | 2.3 | 130 | 94 | 190 | 2.0 | 210 | 120 | 230 | 1.9 | 250 |
| Soldier Canyon | 0.74 | 0 | 8.1 | n/a | 8.9 | 46 | 100 | 2.2 | 110 | 87 | 170 | 1.9 | 180 | 160 | 270 | 1.8 | 300 | 200 | 330 | 1.7 | 370 |