Predicted High Park Fire Flood Response: Young Gulch

USDA Natural Resources Conservation Service

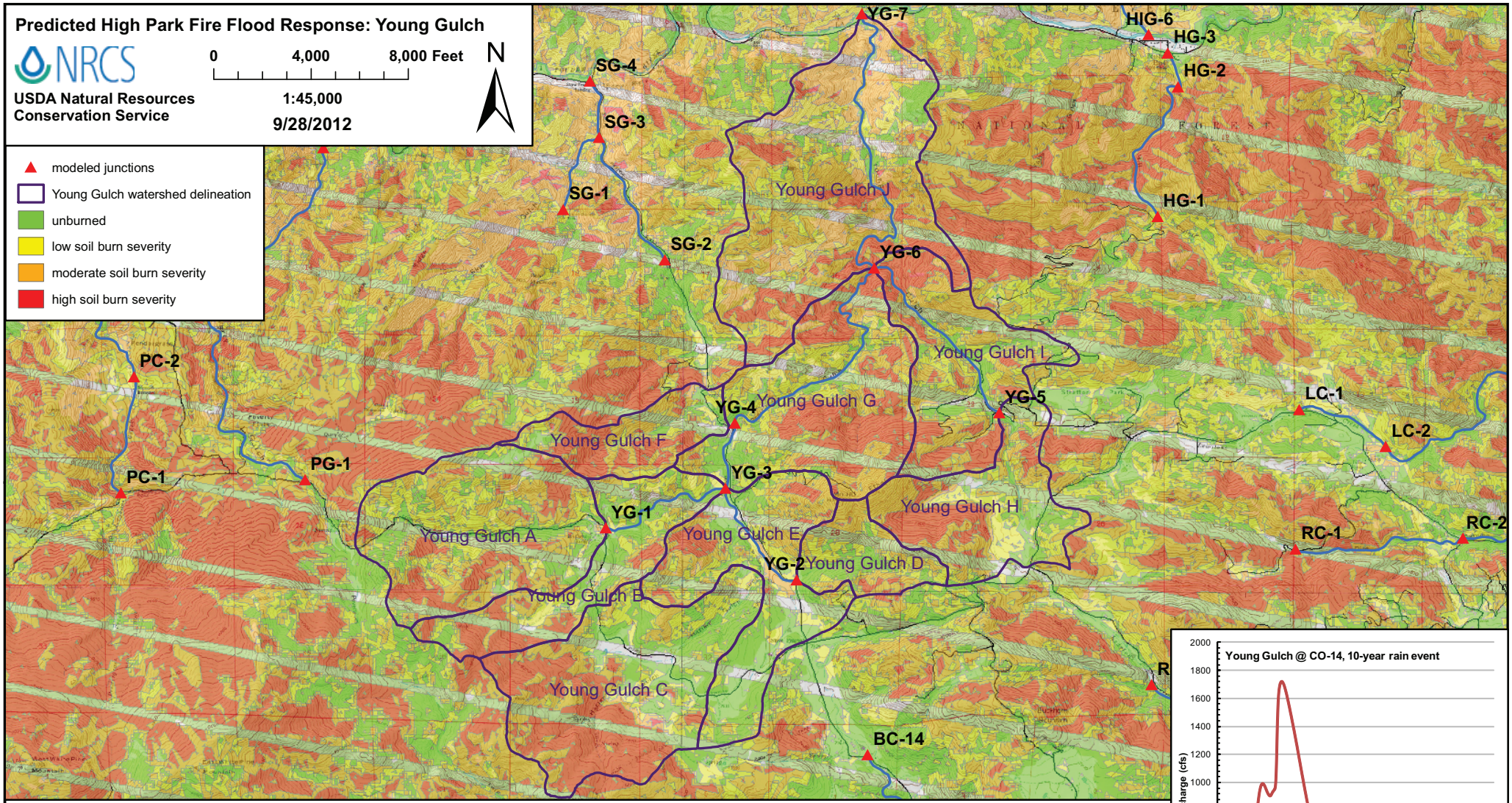
0 4,000 8,000 Feet

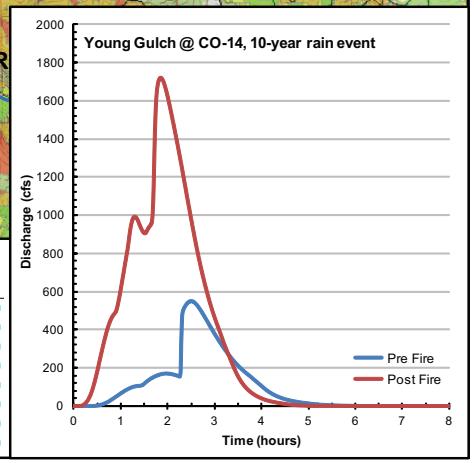
1:45,000

9/28/2012

N

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





Junction or Catchment	Drainage Area (mi²)	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)
YG-1	1.94	0	18	n/a	23	65	230	**3.6**	290	140	390	**2.8**	490	270	640	**2.3**	800	350	780	**2.2**	970
Young Gulch-C	2.14	10	90	9	110	210	510	**2.4**	630	350	750	**2.1**	940	580	1100	**1.9**	1400	710	1300	**1.9**	1700
Young Gulch-D	0.54	7.4	29	4	32	87	180	**2.0**	190	140	250	**1.8**	280	230	380	**1.6**	420	280	460	**1.6**	500
YG-3	7.22	14	140	10	180	450	1100	**2.6**	1400	820	1800	**2.2**	2300	1400	2800	**2.0**	3500	1800	3300	**1.9**	4200
Young Gulch-F	0.67	0	14	n/a	18	24	120	**4.8**	140	51	180	**3.5**	230	99	290	**2.9**	360	130	340	**2.7**	430
YG-5	1.22	0	13	n/a	16	36	160	**4.4**	200	82	260	**3.2**	330	160	430	**2.6**	540	210	530	**2.5**	660
YG-6	12.39	11	160	15	200	540	1600	**3.0**	2000	1100	2700	**2.5**	3400	2000	4400	**2.2**	5500	2500	5300	**2.1**	6600
YG-7	15.25	11	160	15	210	550	1700	**3.1**	2200	1100	2900	**2.6**	3600	2100	5000	**2.4**	6200	2700	6100	**2.2**	7600