APPENDIX A: Predicted High Park Fire Flood Response for Individual Drainages

- Bellvue Area
- Buckhorn Creek (Upstream)
- Buckhorn Creek (Downstream)
- Hewlett Gulch
- Lewstone Creek
- Misc. Poudre Canyon
- Pendergrass & Poverty
- Poudre Park Area
- Redstone Creek
- Rist Canyon
- Skin Gulch Area
- South Fork Cache la Poudre
- Young Gulch

Predicted High Park Fire Flood Response: Bellvue Area

USDA Natural Resources Conservation Service

0 2,000 4,000 6,000 Feet

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10/1/2012

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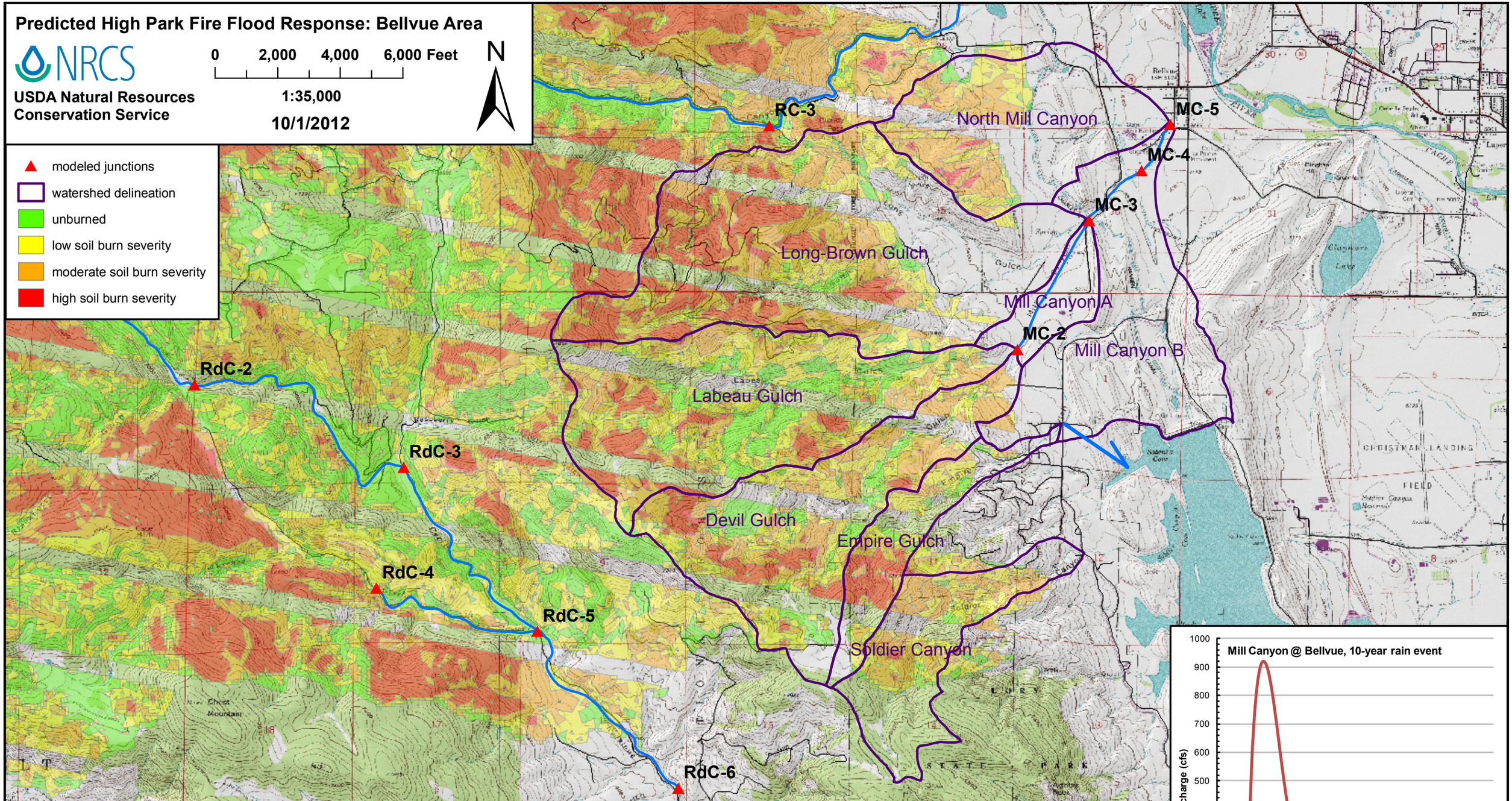

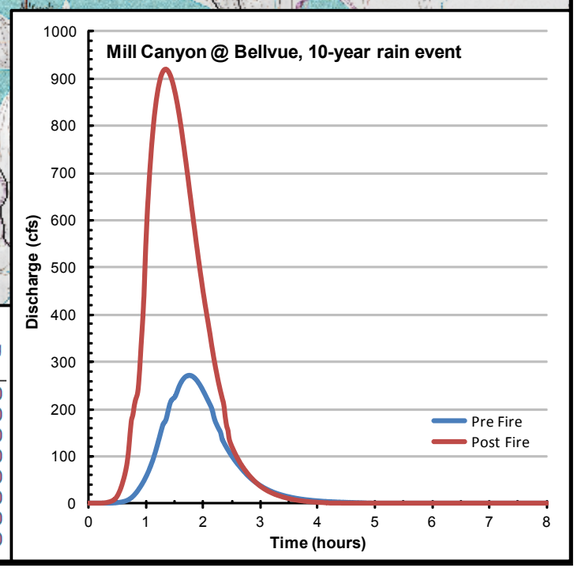

Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
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

Predicted High Park Fire Flood Response: Buckhorn Creek (Upstream)

NRCS
USDA Natural Resources Conservation Service

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10/5/2012

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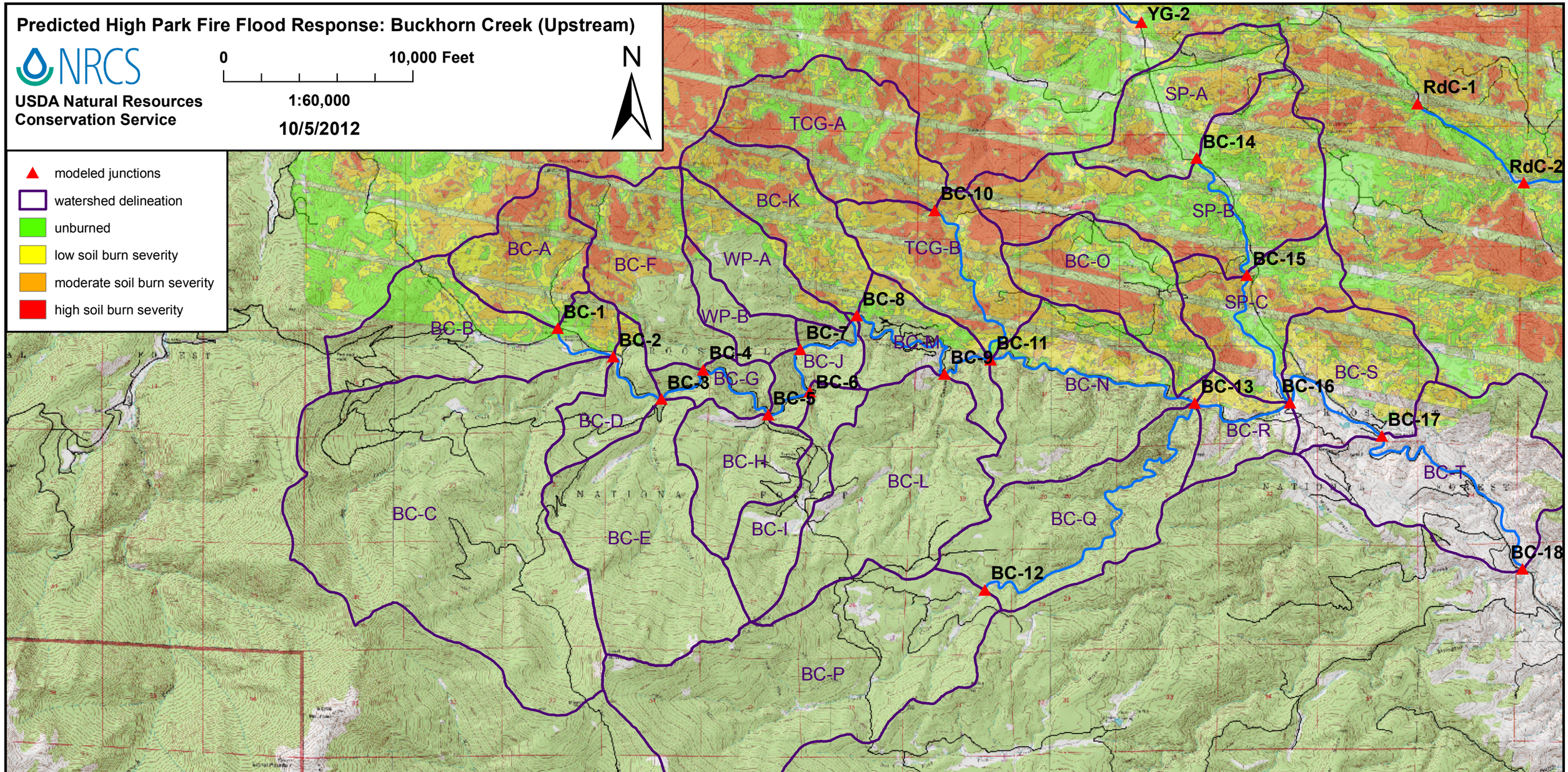

Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
BC-1	1.34	0	0	n/a	0	0	54	**n/a**	59	19	110	**5.6**	130	62	200	**3.3**	250	90	260	**2.9**	330
Buckhorn Creek B	2.22	0	0	n/a	0	0	0	**n/a**	0	0	0	**n/a**	0	4.7	10	**2.1**	10	15	24	**1.6**	24
BC-2	10.91	0	0	n/a	0	1.4	53	**37.9**	58	19	110	**5.6**	120	66	210	**3.1**	230	110	270	**2.6**	300
BC-3	14.74	0	0	n/a	0	6.6	51	**7.7**	56	23	100	**4.5**	110	65	210	**3.3**	230	100	290	**2.8**	320
Buckhorn Creek F	1.85	0	0.7	n/a	0.8	31	110	**3.6**	120	78	200	**2.6**	220	170	340	**2.1**	380	220	430	**2.0**	470
BC-4	16.59	0	0.7	n/a	0.8	31	110	**3.6**	120	95	210	**2.2**	230	180	380	**2.2**	420	290	490	**1.7**	530
BC-5	18.33	0	0.7	n/a	0.8	34	120	**3.6**	130	110	250	**2.3**	270	250	490	**2.0**	540	390	650	**1.6**	710
BC-6	19.44	0	0.7	n/a	0.8	34	120	**3.6**	130	110	250	**2.3**	280	260	500	**1.9**	550	420	670	**1.6**	730
BC-7	20.45	0	0.7	n/a	0.8	35	120	**3.5**	140	110	260	**2.3**	290	280	530	**1.9**	580	450	720	**1.6**	790
Whitepine A	1.02	0	0.1	n/a	0.1	22	31	**1.4**	34	42	56	**1.3**	62	78	97	**1.2**	110	98	120	**1.2**	130
Buckhorn Creek K	1.48	0	8.7	n/a	11	21	140	**6.6**	170	57	230	**4.1**	290	130	380	**3.1**	480	170	470	**2.8**	580
BC-8	23.19	0	8.9	n/a	10	44	170	**3.8**	180	120	310	**2.6**	340	360	670	**1.9**	730	560	960	**1.7**	1100

Predicted High Park Fire Flood Response: Buckhorn Creek (Downstream)

NRCS
USDA Natural Resources Conservation Service

0 — 10,000 Feet
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10/5/2012

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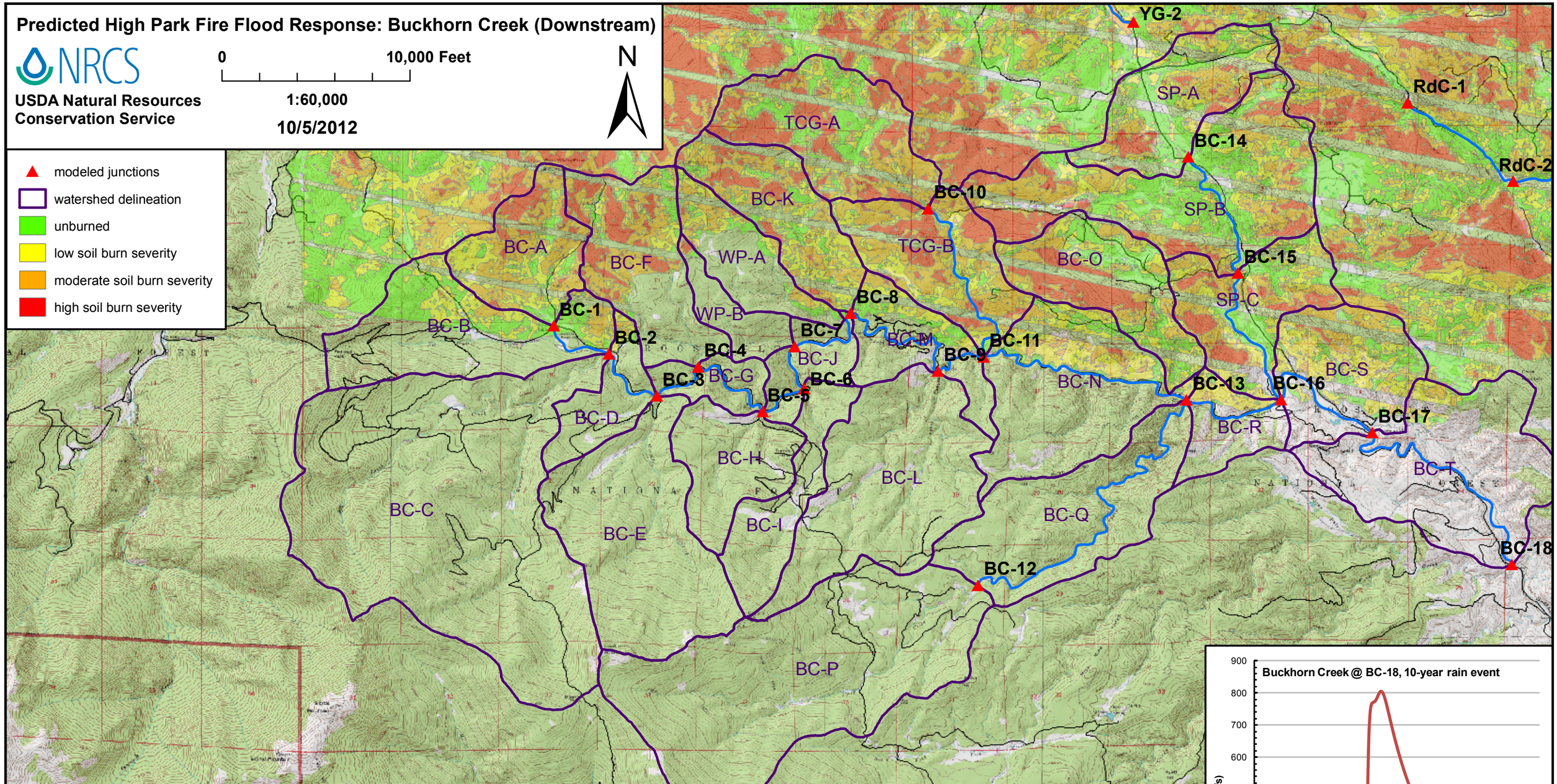

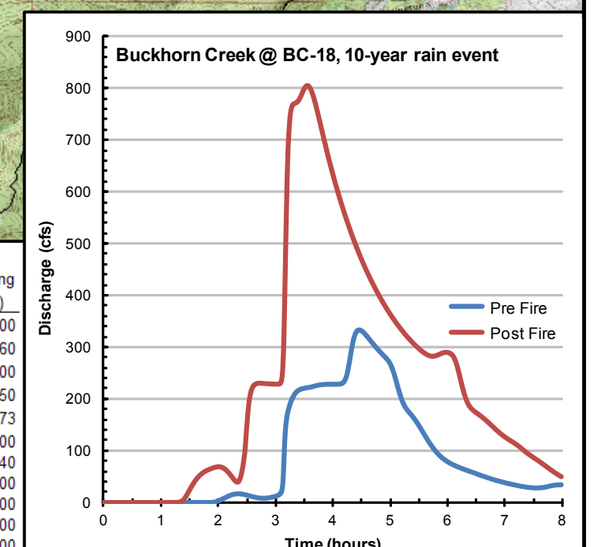

Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
BC-9	26.21	0	8.7	n/a	10	66	210	**3.1**	230	170	390	**2.4**	430	440	810	**1.8**	890	670	1200	**1.7**	1300
BC-10	2.08	0	0	n/a	0	0	79	**n/a**	99	2.8	160	**56.1**	200	31	290	**9.4**	360	54	370	**6.8**	460
BC-11	31.11	0.6	64	106.66667	70	110	360	**3.2**	400	250	690	**2.7**	760	550	1400	**2.5**	1500	830	1800	**2.1**	1900
Buckhorn Creek O	1.65	3.2	46	14.375	58	120	280	**2.4**	350	200	420	**2.1**	530	330	640	**1.9**	800	410	760	**1.9**	950
BC-12	5.16	0	0	n/a	0	0	0	**n/a**	0	2.0	2.0	**1.0**	2	39	39	**1.0**	39	73	73	**1.0**	73
BC-13	42.90	3.2	68	21.25	75	240	620	**2.6**	690	470	1100	**2.4**	1200	930	1900	**2.0**	2100	1300	2400	**1.8**	2700
BC-14	1.64	0	6.6	n/a	7	62	140	**2.3**	150	120	240	**1.9**	260	230	400	**1.7**	440	290	490	**1.7**	540
BC-15	4.97	0	20	n/a	22	140	390	**2.9**	430	310	680	**2.2**	750	610	1100	**1.9**	1300	790	1400	**1.8**	1500
BC-16	50.23	3.1	84	27	92	380	870	**2.3**	950	780	1700	**2.2**	1900	1500	3100	**2.1**	3400	2000	3900	**1.9**	4300
BC-17	51.95	2.2	78	35	86	340	820	**2.4**	900	760	1600	**2.1**	1800	1500	3000	**2.0**	3300	2000	3800	**1.9**	4200
BC-18	54.96	0	75	n/a	83	330	810	**2.4**	890	730	1600	**2.2**	1700	1500	3000	**2.0**	3300	2000	3700	**1.9**	4100

Predicted High Park Fire Flood Response: Hewlett Gulch

USDA Natural Resources Conservation Service

0 — 10,000 Feet

1:60,000

10/1/2012

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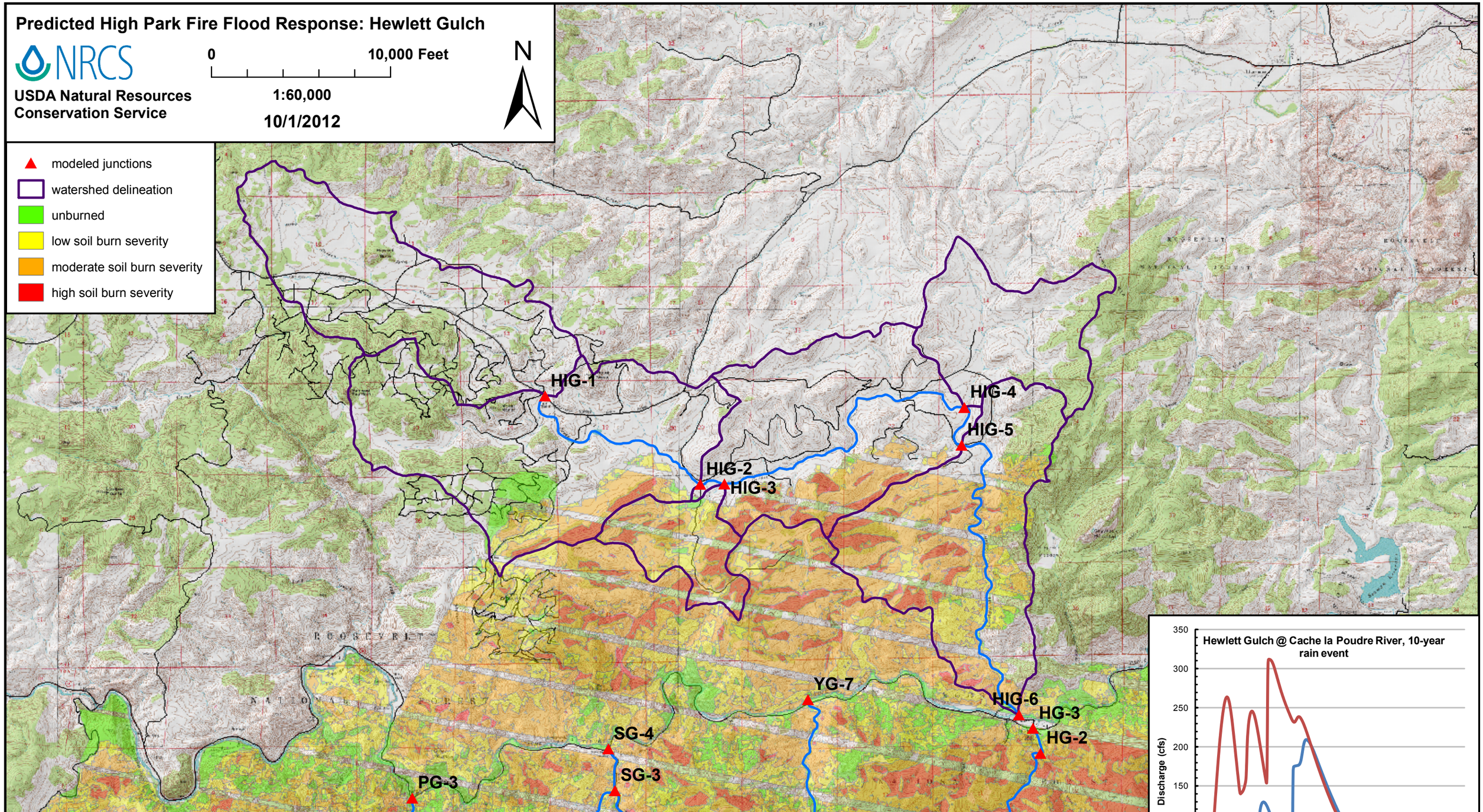
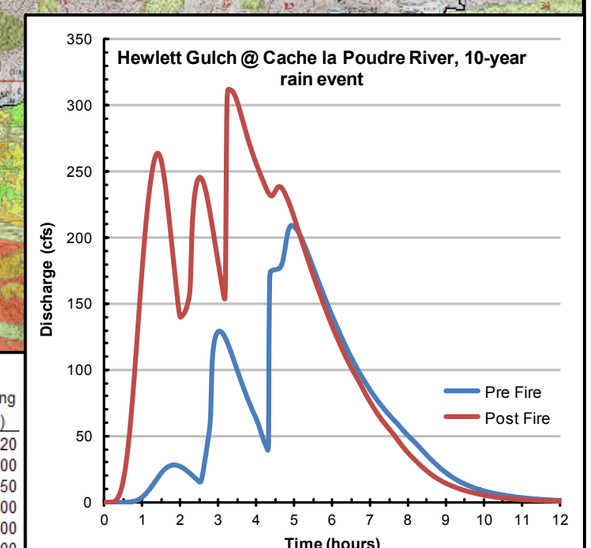




Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
HIG-1	4.28	0	0	n/a	0	110	110	**1.0**	110	220	220	**1.0**	220	410	410	**1.0**	410	520	520	**1.0**	520
HIG-2	9.75	0	0.2	n/a	0	200	230	**1.1**	260	440	490	**1.1**	540	850	930	**1.1**	1000	1100	1200	**1.1**	1300
Hewlett Gulch C	1.13	0	20	n/a	25	39	170	**4.4**	220	82	270	**3.3**	340	160	430	**2.8**	540	200	520	**2.6**	650
HIG-3	10.88	0	20	n/a	22	210	250	**1.2**	280	450	500	**1.1**	550	870	950	**1.1**	1000	1100	1200	**1.1**	1300
HIG-5	17.43	0	15	n/a	17	210	300	**1.4**	330	470	610	**1.3**	680	950	1200	**1.3**	1300	1200	1500	**1.2**	1700
HIG-6	21.79	0	12	n/a	13	210	310	**1.5**	340	470	650	**1.4**	720	960	1300	**1.4**	1500	1300	1700	**1.4**	1900

Predicted High Park Fire Flood Response: Lewstone Creek

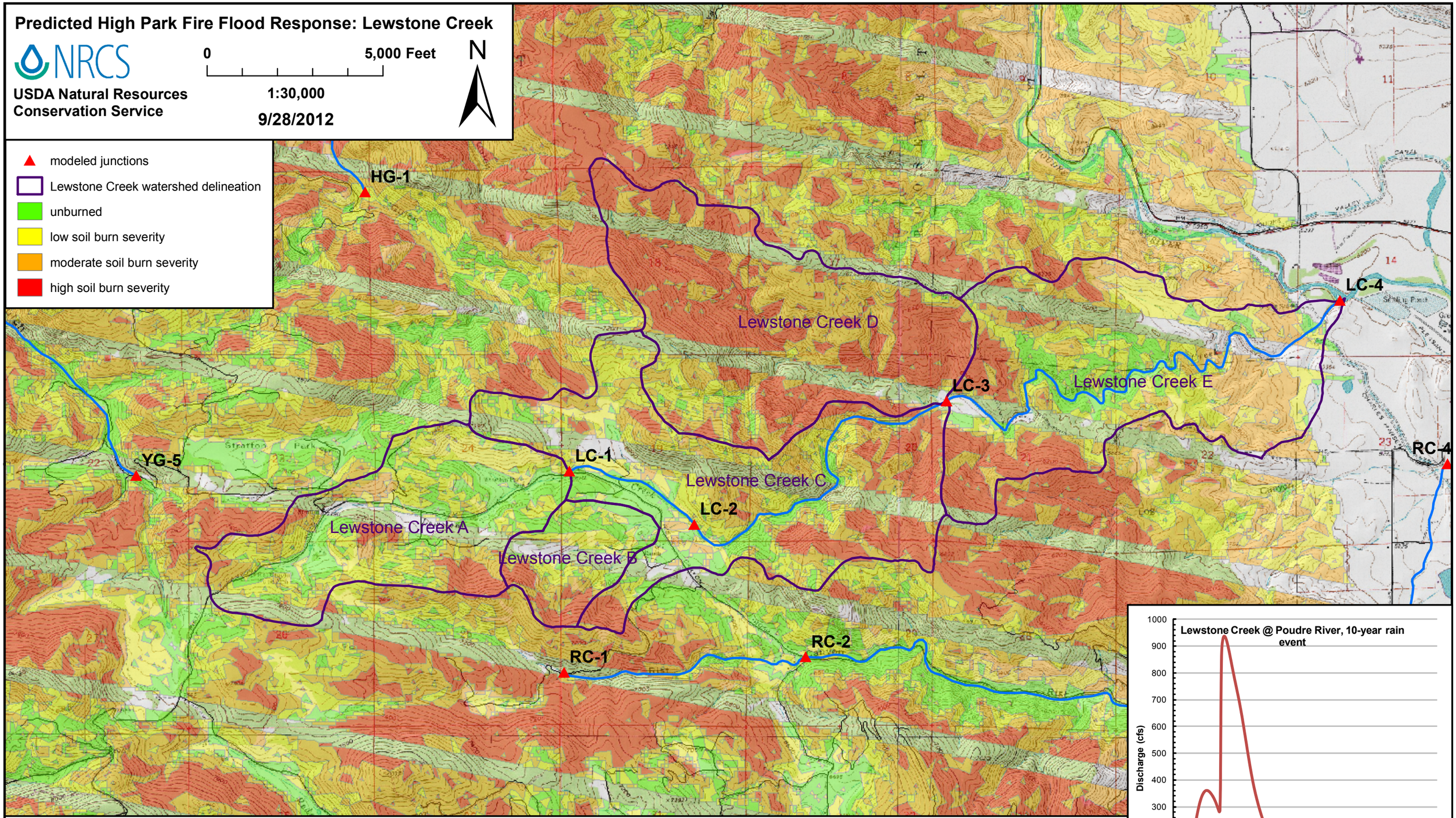
USDA Natural Resources Conservation Service

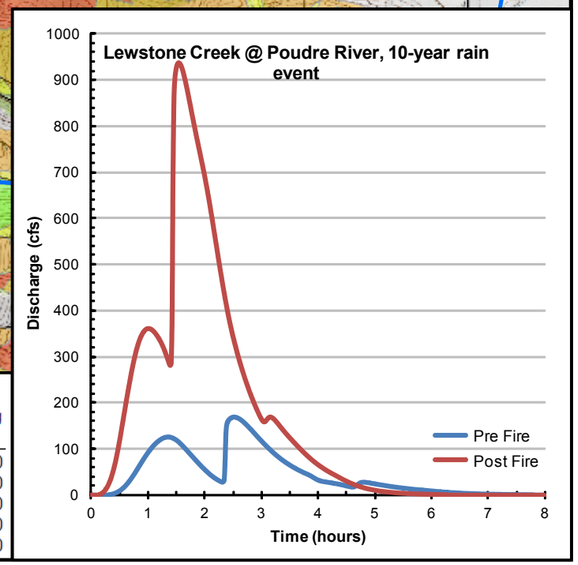
0 — 5,000 Feet

1:30,000

9/28/2012

N





Junction or Catchment	Drainage Area (mi^2)	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)
LC-1	1.20	0	0.8	n/a	1	23	92	**4.0**	100	60	170	**2.8**	180	130	280	**2.2**	310	170	350	**2.1**	390
Lewstone Creek B	0.35	0	0.4	n/a	0	9.7	32	**3.3**	35	23	59	**2.6**	65	46	110	**2.3**	120	62	130	**2.1**	140
Lewstone Creek D	1.79	0	100	n/a	130	75	550	**7.4**	690	150	800	**5.2**	1000	290	1200	**4.1**	1500	370	1400	**3.7**	1700
LC-3	5.15	0	130	n/a	140	150	740	**4.8**	820	310	1100	**3.6**	1200	570	1700	**2.9**	1800	720	2000	**2.7**	2200
LC-4	6.97	1.5	130	86	140	170	940	**5.6**	1000	350	1400	**4.1**	1600	700	2200	**3.2**	2500	910	2700	**2.9**	2900

Predicted High Park Fire Flood Response: Misc. Poudre Canyon

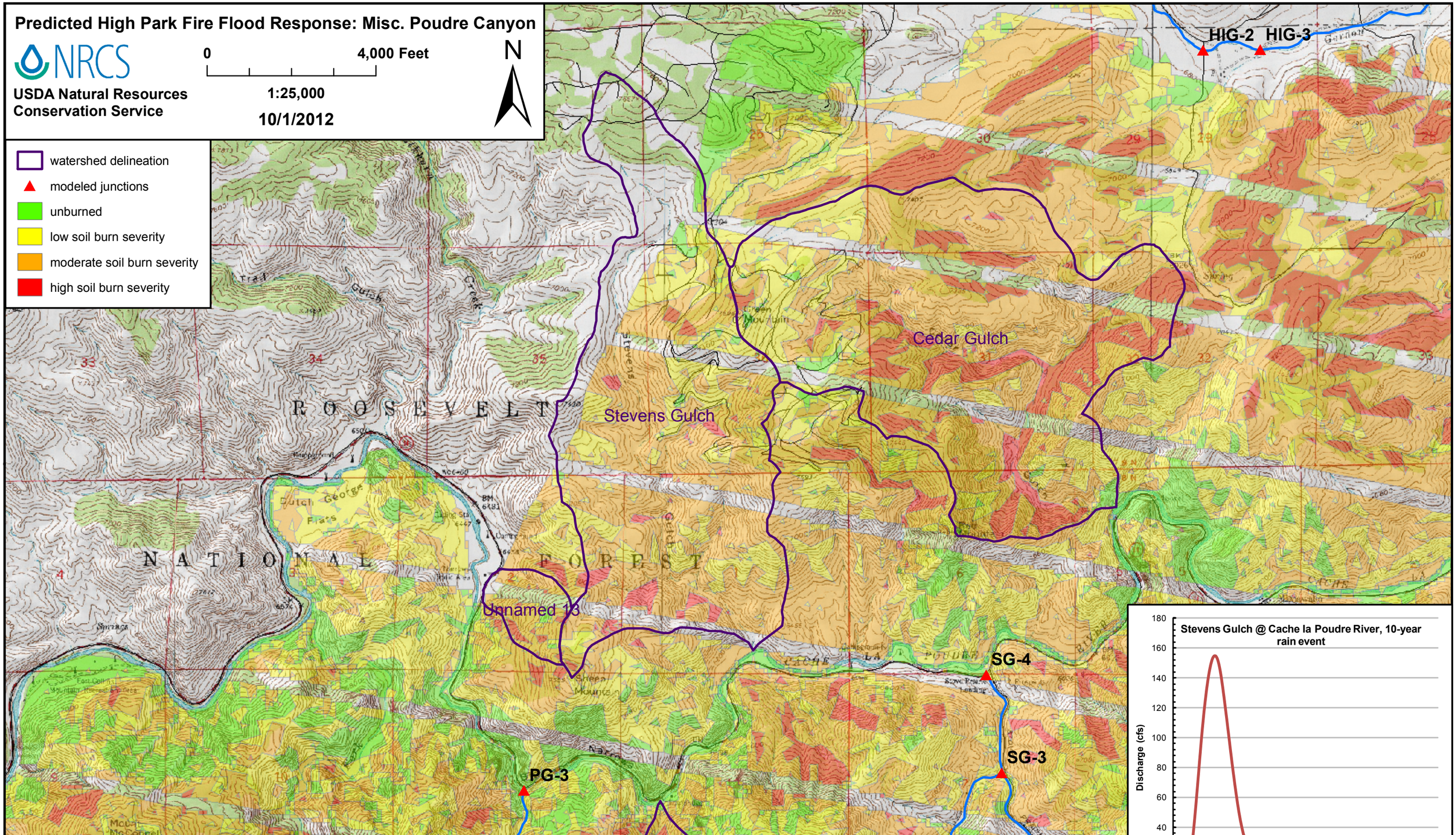
USDA Natural Resources Conservation Service

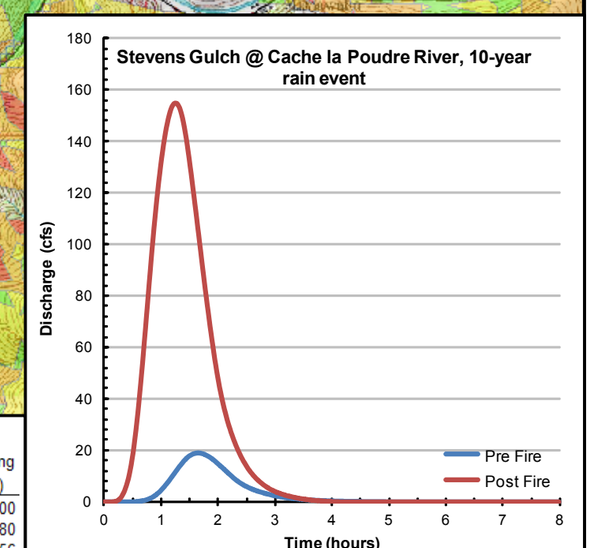
0 — 4,000 Feet

1:25,000

10/1/2012

N





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)
Cedar Gulch	2.00	0	57	n/a	71	89	390	**4.4**	490	180	600	**3.4**	750	330	920	**2.8**	1200	420	1100	**2.6**	1400
Stevens Gulch	1.73	0	4.6	n/a	5.8	19	160	**8.2**	190	59	270	**4.5**	330	140	450	**3.2**	560	190	550	**2.9**	680
Unnamed 13	0.11	0	0	n/a	0	0	10	**n/a**	13	0.4	20	**50**	25	4.4	36	**8.2**	45	6.8	45	**6.6**	56

Predicted High Park Fire Flood Response: Pendergrass & Poverty

USDA Natural Resources Conservation Service

0 — 7,000 Feet

1:40,000

10/1/2012

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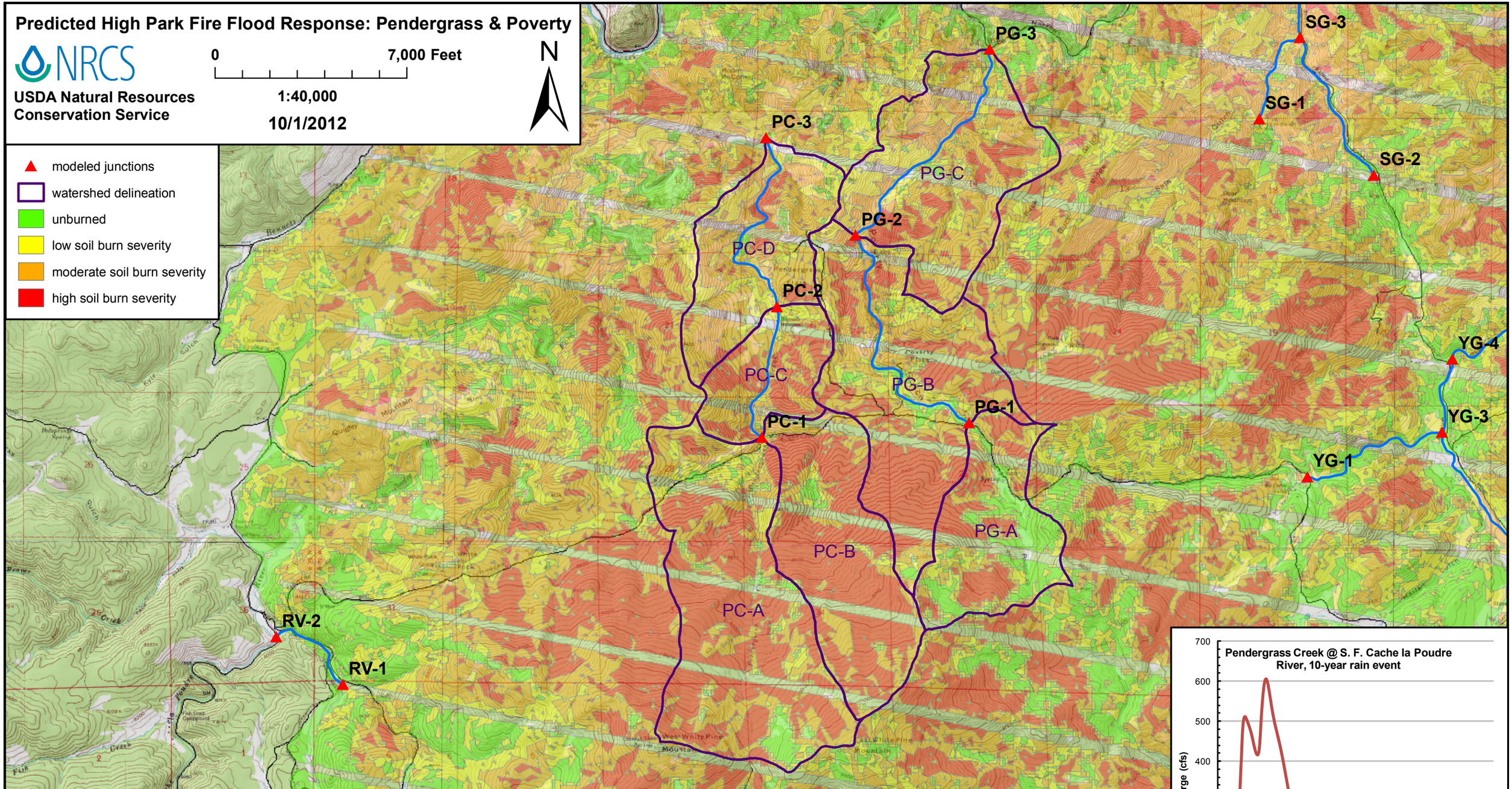
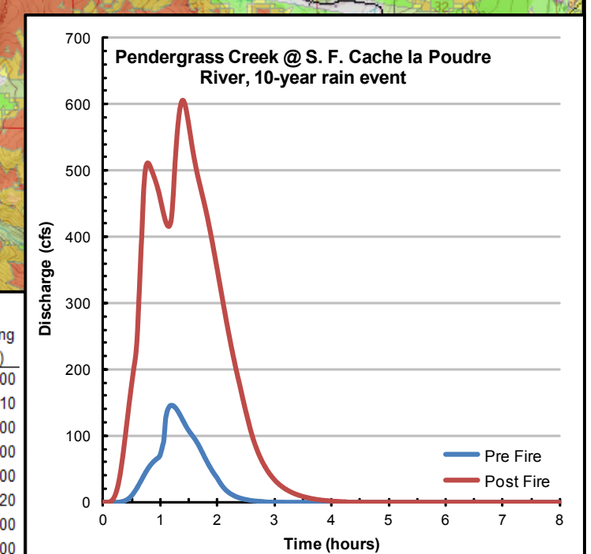
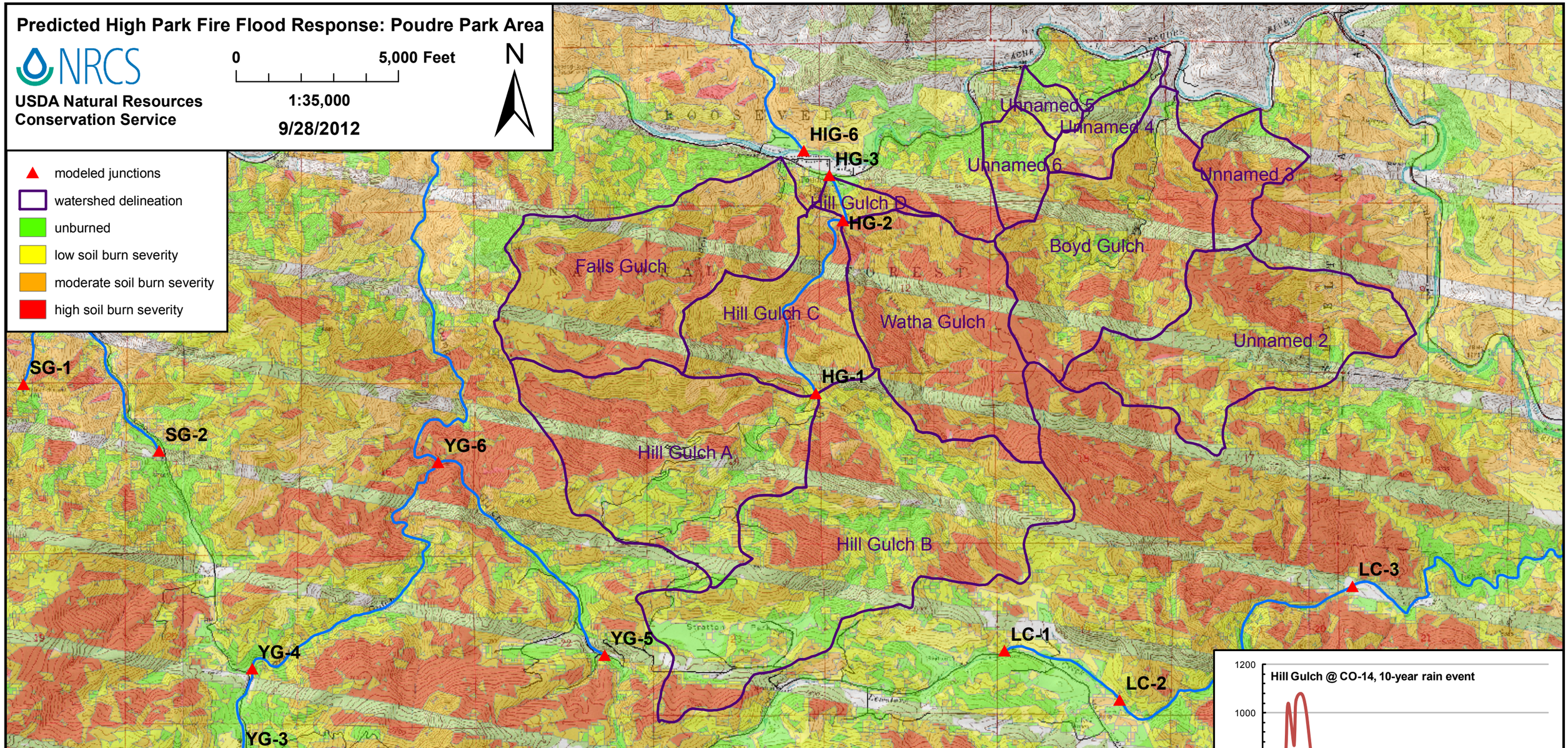
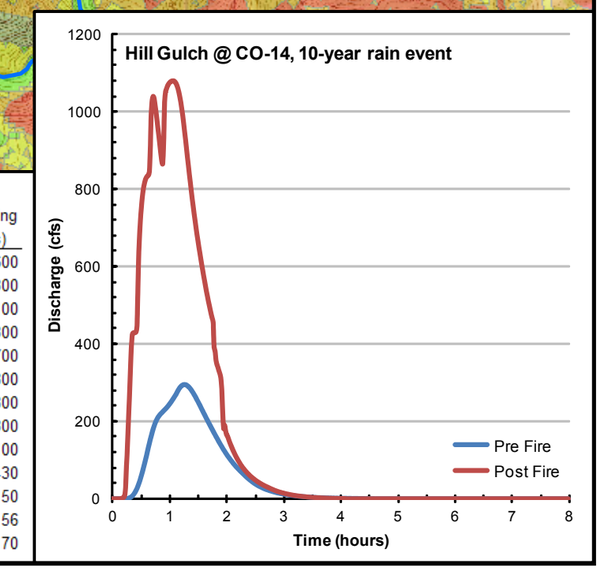


Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
Pendergrass Creek A	2.16	0	18	n/a	23	0	260	**n/a**	330	7.4	440	**59**	550	51	710	**14**	890	85	860	**10**	1100
Pendergrass Creek B	1.36	0	14	n/a	18	0	180	**n/a**	220	0	290	**n/a**	370	4.3	470	**109**	590	13	570	**44**	710
PC-1	3.52	0	32	n/a	40	0	440	**n/a**	550	7.4	730	**98**	910	55	1200	**21**	1500	96	1400	**15**	1800
PC-2	4.11	3.6	58	16	73	76	520	**6.8**	650	130	860	**6.5**	1100	230	1400	**6.1**	1700	280	1700	**6.1**	2100
PC-3	5.13	3.2	96	30	120	150	610	**4.1**	760	260	1000	**3.8**	1300	460	1700	**3.6**	2100	570	2000	**3.5**	2500
PG-1	0.97	0	0	n/a	0	0.1	58	**580**	73	9.9	110	**11**	140	41	200	**4.9**	250	63	250	**4.0**	320
PG-2	2.78	0.2	95	475	120	110	480	**4.3**	600	200	710	**3.5**	880	360	1000	**2.9**	1300	450	1200	**2.7**	1500
PG-3	4.31	0.2	100	500	130	120	650	**5.4**	810	240	980	**4.0**	1200	460	1500	**3.2**	1800	600	1700	**2.9**	2200







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)
Falls Gulch	1.33	6.3	120	20	160	140	550	**3.9**	680	240	770	**3.2**	960	390	1100	**2.8**	1400	480	1300	**2.6**	1600
Hill Gulch A	1.41	0	59	n/a	74	78	390	**5.0**	490	150	580	**3.8**	720	280	880	**3.1**	1100	360	1000	**2.9**	1300
Hill Gulch B	2.20	0	34	n/a	37	89	330	**3.7**	360	180	520	**2.9**	570	350	820	**2.4**	900	440	990	**2.3**	1100
HG-1	3.61	0	88	n/a	110	160	630	**4.0**	790	320	980	**3.1**	1200	600	1500	**2.5**	1900	760	1800	**2.4**	2300
Watha Gulch	1.12	12	150	12	180	150	580	**3.7**	720	260	810	**3.1**	1000	430	1100	**2.7**	1400	520	1300	**2.6**	1700
HG-2	5.45	12	200	17	250	290	1100	**3.6**	1300	560	1700	**3.0**	2100	990	2600	**2.6**	3200	1300	3000	**2.4**	3800
HG-3	5.53	12	200	17	250	300	1100	**3.6**	1400	560	1700	**3.0**	2100	990	2600	**2.6**	3200	1300	3100	**2.4**	3800
Boyd Gulch	1.22	0.30	76	253	95	97	420	**4.3**	520	180	610	**3.4**	760	310	900	**2.9**	1100	390	1100	**2.7**	1300
Unnamed 2	1.17	0	63	n/a	79	82	360	**4.3**	440	150	520	**3.5**	650	270	770	**2.9**	960	330	900	**2.7**	1100
Unnamed 3	0.28	0	28	n/a	35	21	130	**6.2**	160	42	200	**4.6**	240	81	290	**3.6**	360	100	350	**3.4**	430
Unnamed 4	0.20	0.40	5.8	15	6.4	21	48	**2.3**	53	38	74	**1.9**	81	67	120	**1.7**	130	83	140	**1.7**	150
Unnamed 5	0.089	0	1.2	n/a	1.3	7.9	17	**2.2**	19	16	27	**1.7**	30	29	43	**1.5**	47	36	51	**1.4**	56
Unnamed 6	0.21	0	6.2	n/a	6.8	12	55	**4.6**	61	26	82	**3.2**	90	52	130	**2.5**	140	67	160	**2.4**	170

Predicted High Park Fire Flood Response: Redstone Creek

USDA Natural Resources Conservation Service

0 2,000 4,000 6,000 8,000 Feet

1:45,000

10/1/2012

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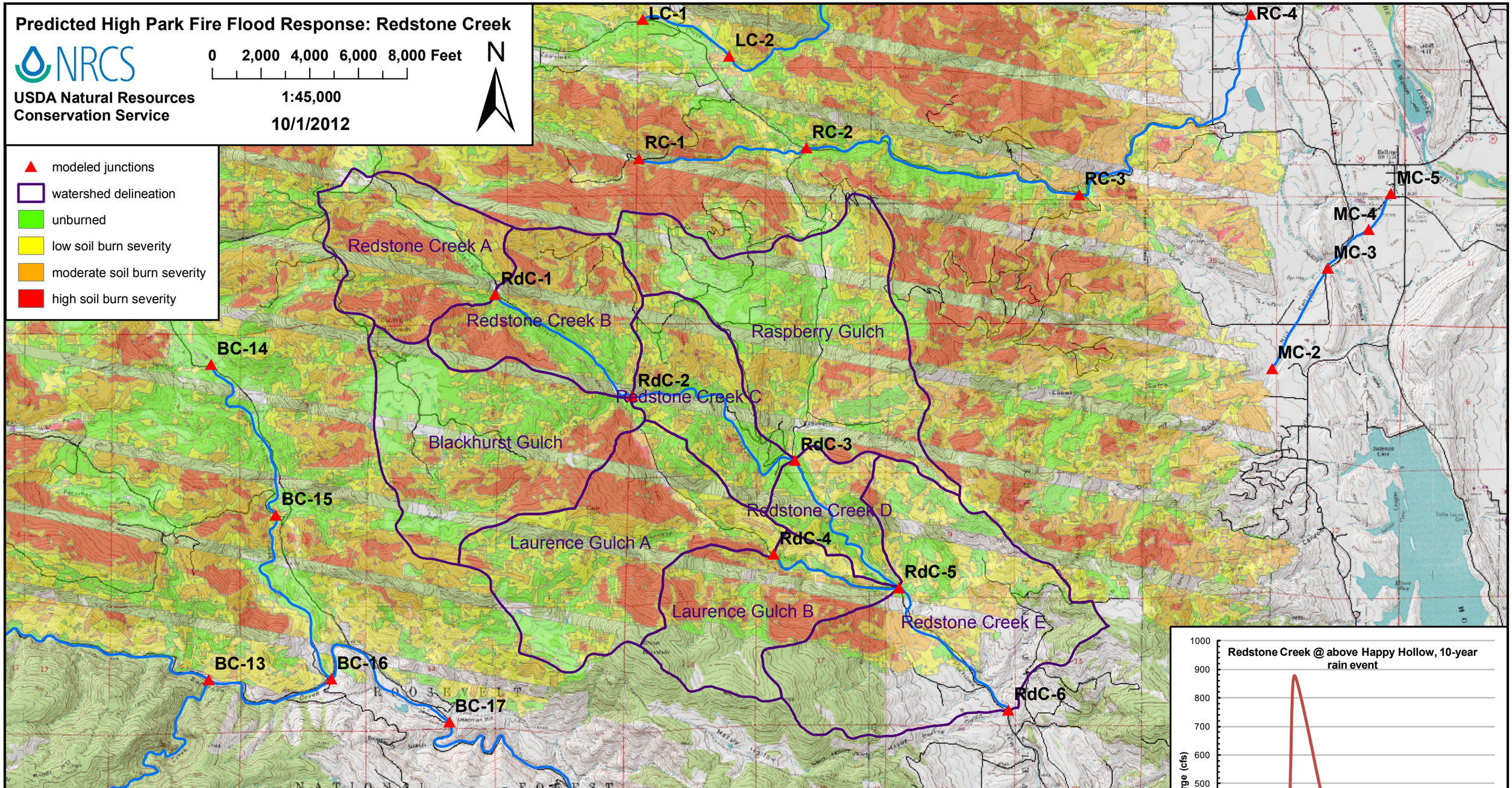
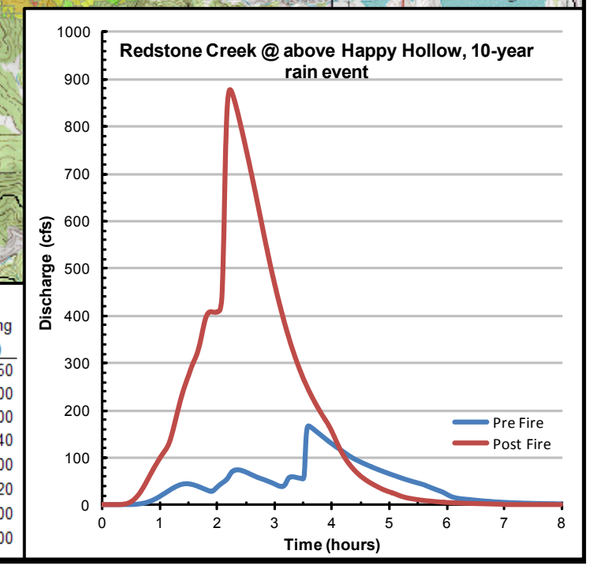




Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
RdC-1	1.35	0	34	n/a	43	74	260	**3.5**	330	140	410	**2.9**	510	260	640	**2.5**	800	330	760	**2.3**	950
Blackhurst Gulch	2.27	0	4.5	n/a	5	40	150	**3.9**	170	95	270	**2.8**	290	200	440	**2.3**	490	260	540	**2.1**	600
RdC-2	5.05	0	41	n/a	51	130	490	**3.7**	610	280	800	**2.8**	1000	550	1300	**2.3**	1600	710	1600	**2.2**	1900
Raspberry Gulch	2.79	0	0	n/a	0	34	140	**4.1**	150	95	260	**2.8**	290	220	470	**2.2**	510	290	590	**2.0**	640
RdC-3	8.93	0	40	n/a	44	160	660	**4.2**	730	390	1100	**2.9**	1200	820	1900	**2.3**	2100	1100	2300	**2.1**	2500
RdC-4	2.30	0	3.4	n/a	4	29	180	**6.2**	200	84	320	**3.8**	350	190	530	**2.8**	590	260	660	**2.5**	720
RdC-5	13.25	0	38	n/a	42	180	880	**4.9**	970	480	1600	**3.3**	1700	1100	2700	**2.5**	3000	1400	3400	**2.3**	3700
RdC-6	16.21	0	37	n/a	41	170	880	**5.2**	960	480	1600	**3.4**	1800	1100	2900	**2.6**	3200	1500	3700	**2.4**	4000

Predicted High Park Fire Flood Response: Rist Canyon

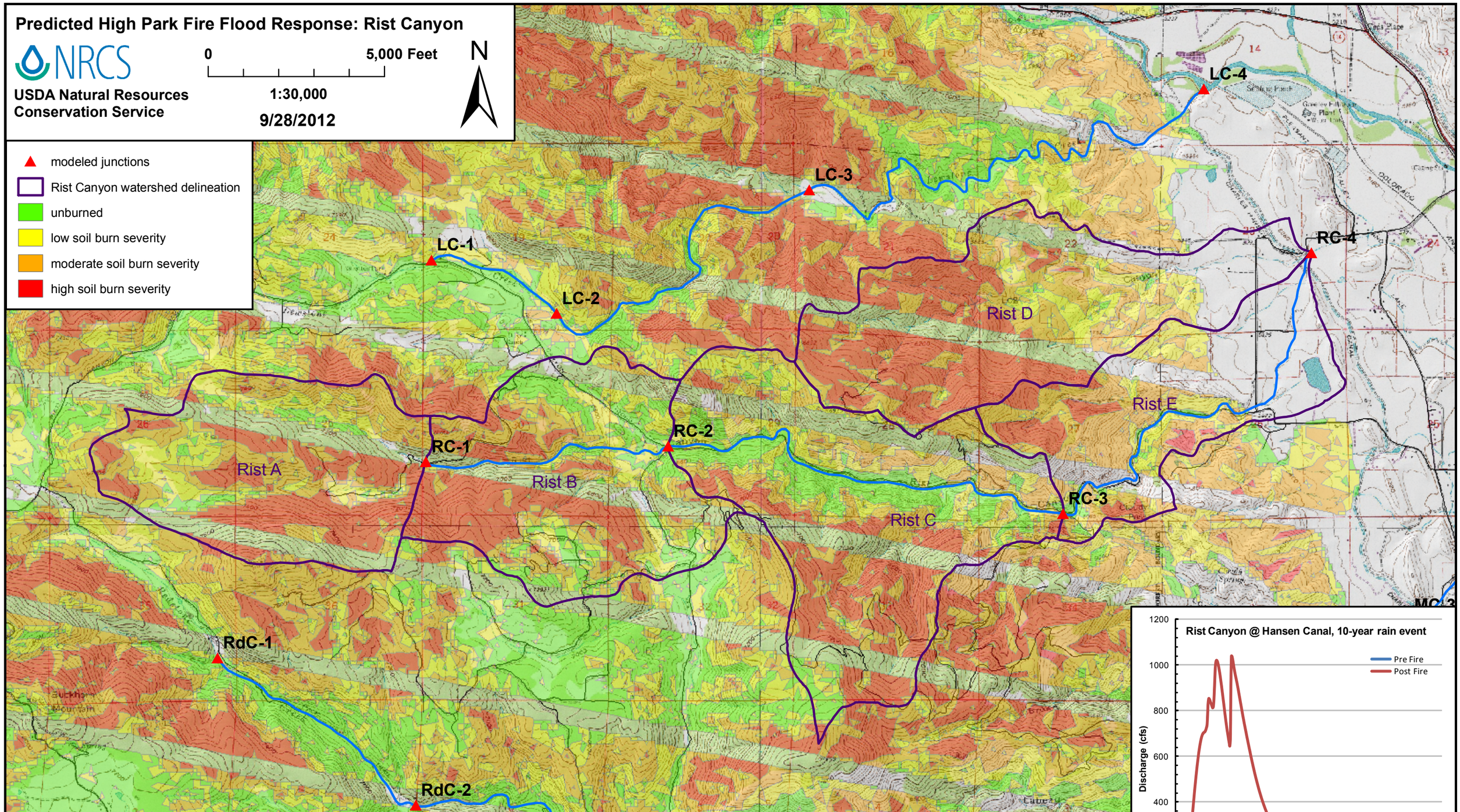
USDA Natural Resources Conservation Service

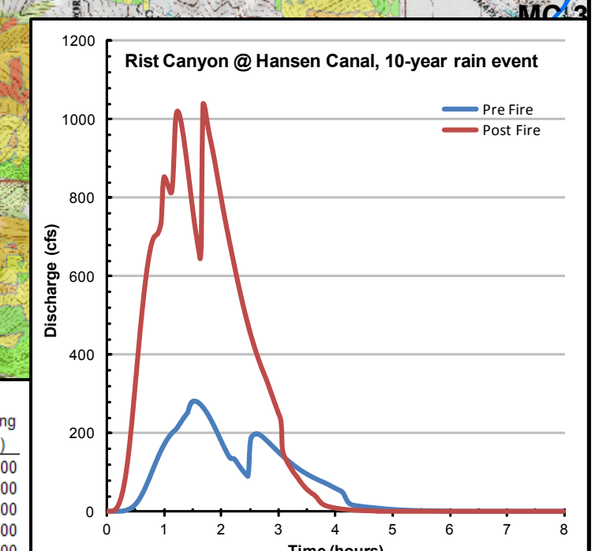
0 — 5,000 Feet

1:30,000

9/28/2012

N





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)
RC-1	1.44	0	49	n/a	61	75	330	**4.3**	410	150	490	**3.4**	620	270	760	**2.8**	950	340	900	**2.7**	1100
RC-2	3.00	1.3	98	81	120	170	630	**3.6**	780	330	970	**2.9**	1200	580	1500	**2.6**	1900	730	1800	**2.4**	2200
RC-3	5.14	1.5	110	72	140	190	860	**4.7**	1100	390	1400	**3.5**	1700	810	2200	**2.7**	2800	1100	2600	**2.5**	3300
Rist D	1.77	4.1	110	27	140	150	520	**3.6**	650	250	750	**3.0**	930	420	1100	**2.6**	1400	520	1300	**2.4**	1600
RC-4	8.16	4.1	130	37	160	280	1000	**3.7**	1300	550	1700	**3.1**	2100	1100	2900	**2.8**	3700	1500	3600	**2.5**	4500

Predicted High Park Fire Flood Response: South Fork Cache la Poudre

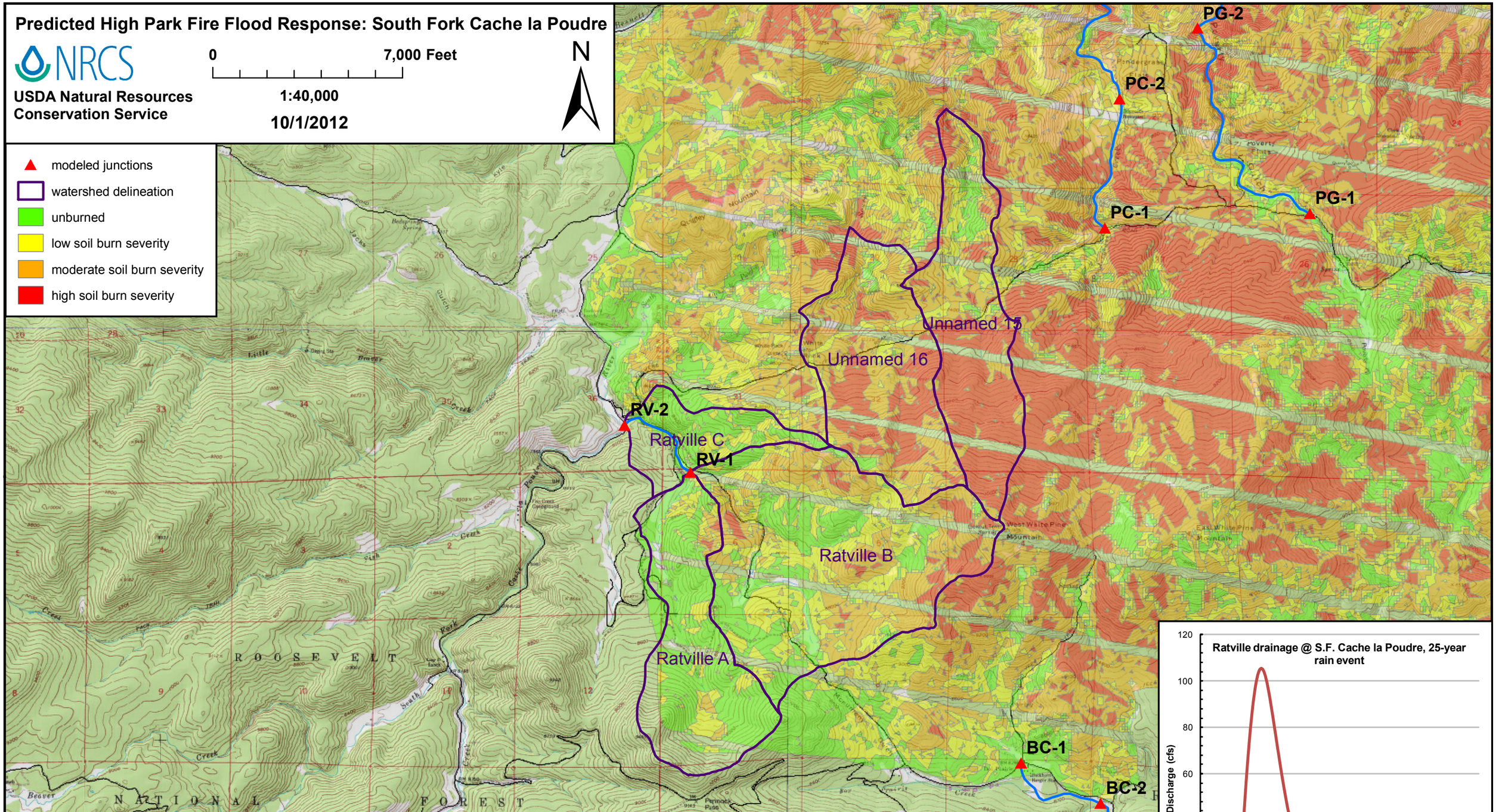
USDA Natural Resources Conservation Service

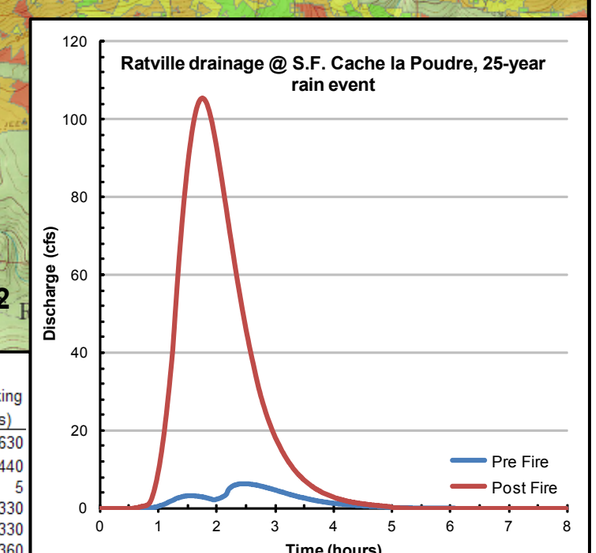
0 — 7,000 Feet

1:40,000

10/1/2012

N





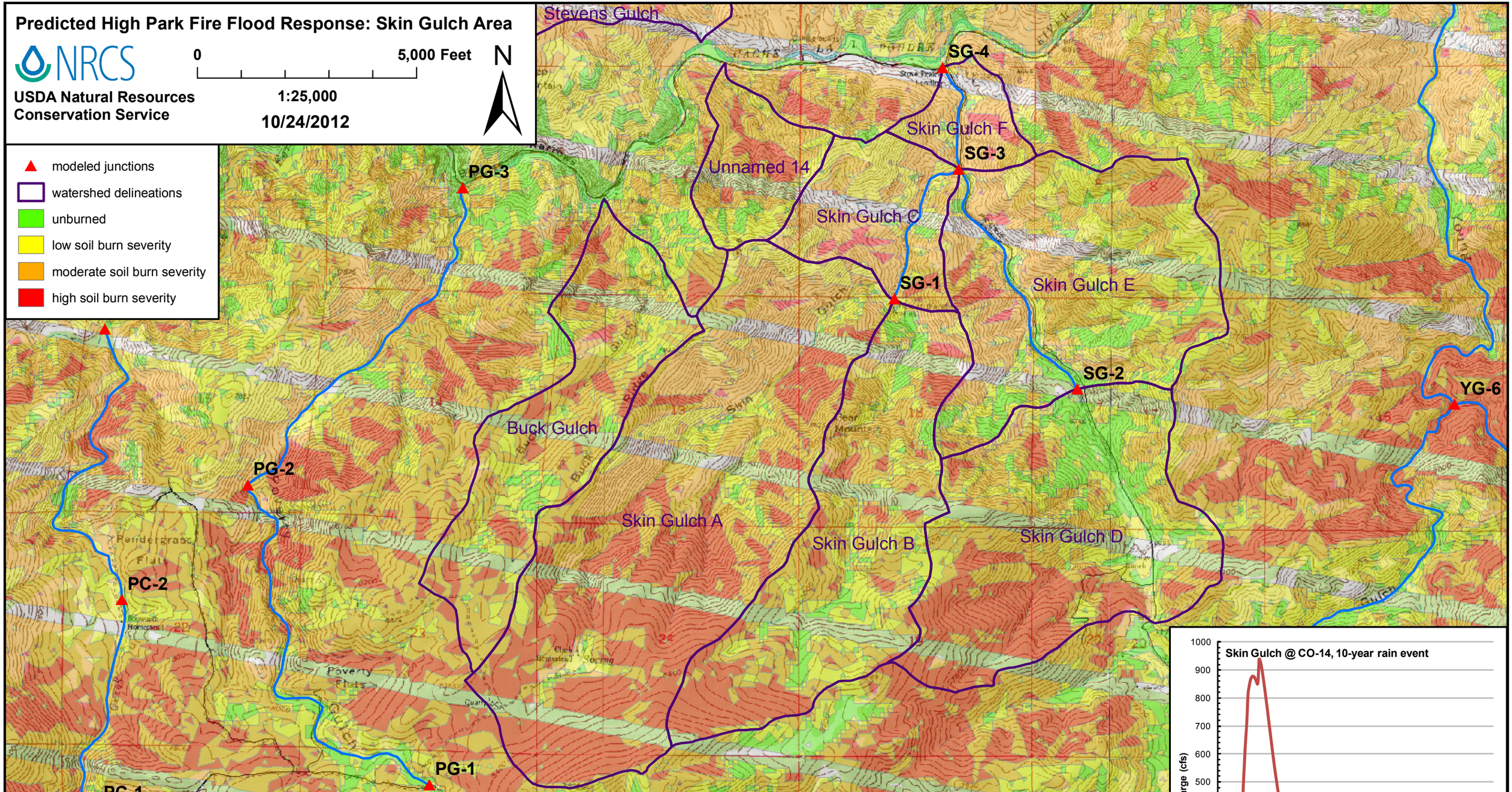
Junction or Catchment	Drainage Area (mi²)	2-Year Rain Event (0.8 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	10-Year Rain Event (1.5 inches) Predicted Flow (cfs) Pre Fire	Post Fire	Post/Pre Peak Flow	Sed. Bulking Flow (cfs)	25-Year Rain Event (1.8 inches) 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)
Unnamed 15	1.21	0	16	n/a	20	2.1	170	79	210	16	260	17	330	52	420	**8.0**	520	76	500	**6.6**	630
Unnamed 16	1.30	0	0	n/a	0	0	83	n/a	100	0	160	n/a	200	8.6	280	**32**	350	20	350	**17**	440
Ratville A	1.16	0	0	n/a	0	0	0	n/a	0	0	0	n/a	0	0	0.8	**n/a**	1	1.3	5.2	**4.0**	5
Ratville B	2.38	0	0	n/a	0	0	37	n/a	41	5.8	100	17	110	45	230	**5.0**	250	76	300	**3.9**	330
RV-1	3.54	0	0	n/a	0	0	37	n/a	41	5.8	100	17	110	45	230	**5.0**	250	78	300	**3.9**	330
RV-2	4.02	0	0	n/a	0	0	37	n/a	41	6.2	110	17	120	51	240	**4.7**	270	88	330	**3.7**	360

Predicted High Park Fire Flood Response: Skin Gulch Area

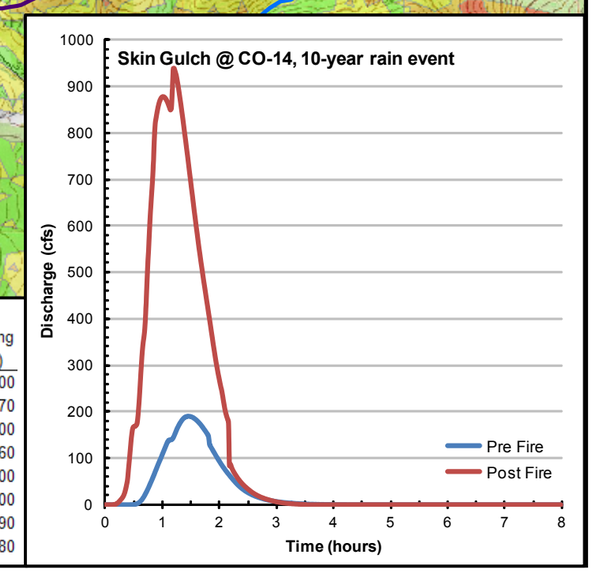
NRCS
USDA Natural Resources Conservation Service

0 — 5,000 Feet
1:25,000
10/24/2012

N



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)
Skin Gulch A	2.02	0	37	n/a	46	30	320	**10.6**	400	85	510	**6.0**	640	190	800	**4.2**	1000	260	960	**3.8**	1200
Skin Gulch B	1.07	0.6	43	72	54	80	260	**3.3**	330	140	390	**2.7**	490	250	590	**2.4**	740	310	700	**2.3**	870
SG-1	3.09	0.6	79	132	99	100	570	**5.5**	710	220	880	**4.1**	1100	420	1400	**3.3**	1700	540	1600	**3.1**	2000
SG-2	1.19	0	21	n/a	26	45	190	**4.3**	240	96	310	**3.3**	390	190	500	**2.7**	630	240	610	**2.5**	760
SG-3	5.81	0.6	110	180	140	190	950	**5.0**	1200	390	1500	**3.8**	1900	800	2400	**3.0**	3000	1000	2900	**2.8**	3600
SG-4	5.99	0.6	110	180	140	190	940	**4.9**	1200	400	1500	**3.9**	1900	790	2400	**3.0**	3000	1000	2900	**2.8**	3600
Buck Gulch	0.79	0	15	n/a	19	34	130	**3.8**	160	70	210	**2.9**	260	130	330	**2.5**	410	170	390	**2.3**	490
Unnamed 14	0.28	0	1.9	n/a	2.4	2.0	41	**20.5**	51	9.7	69	**7.1**	86	25	120	**4.7**	150	33	140	**4.3**	180



Predicted High Park Fire Flood Response: Young Gulch

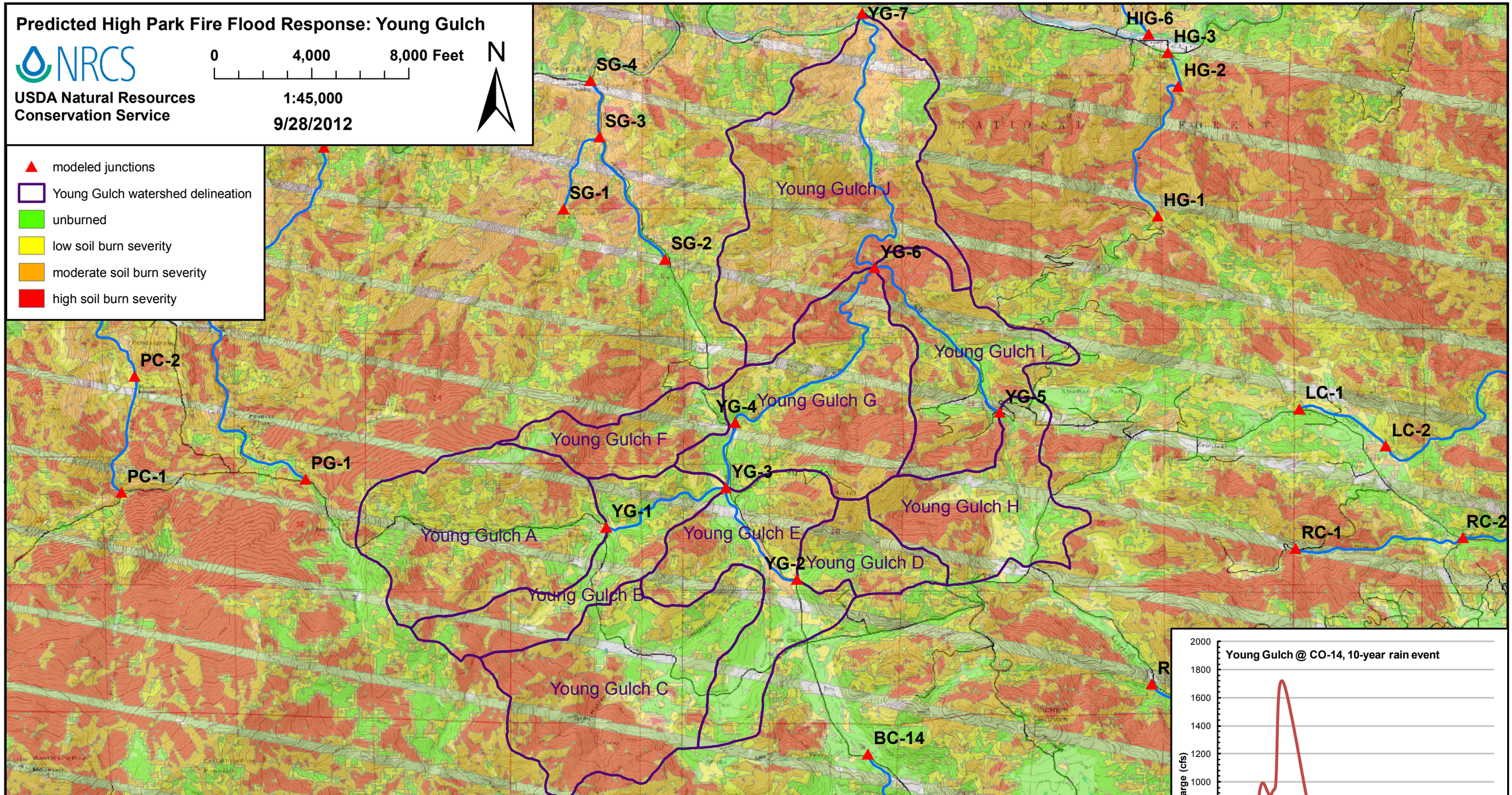
USDA Natural Resources Conservation Service

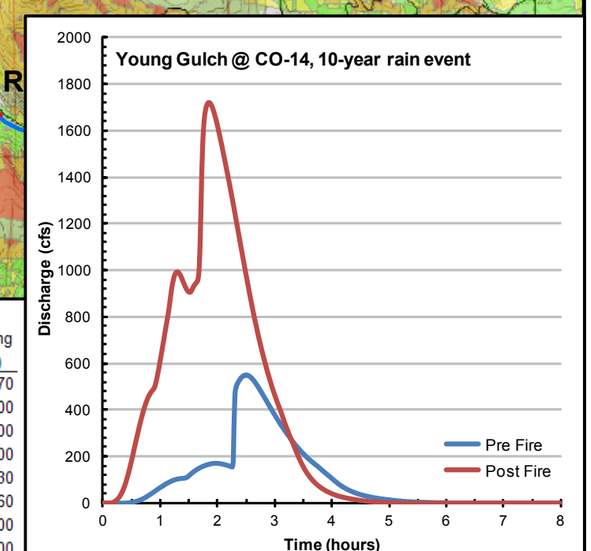
0 4,000 8,000 Feet

1:45,000

9/28/2012

N





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