

Supplementary Material

Before the fire: predicting burn severity and potential post-fire debris-flow hazards to conservation populations of the Colorado River Cutthroat Trout (*Oncorhynchus clarkii pleuriticus*)

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1 **Supplemental Information:**

2 Supplemental Table 1. Streams with blue lineage Colorado River Cutthroat Trout (*Oncorhynchus clarkii pleuriticus*) conservation populations identified by
3 Geographic Names Information System (GNIS) and 4-digit watershed boundary Hydrologic Unit Code (HUC-4) with rankings assigned by mean predicted
4 differenced Normalized Burn Ratio (dNBR) within a 500 m buffer around the stream; mean, minimum (Min.), maximum (Max.), and range expressed as predicted
5 dNBR.

GNIS Name	HUC-4	Rank	Buffer (ha)	Mean	Min.	Max.	Range
Alisha Creek	Yampa	85	179	0.423	0.271	0.505	0.235
Allen Creek	Yampa	86	300	0.422	0.332	0.487	0.155
Archie Creek	Upper Green	220	842	0.381	0.257	0.483	0.225
Armstrong Creek	Yampa	163	615	0.403	0.296	0.502	0.205
Austrian Creek	Yampa	32	422	0.438	0.289	0.492	0.203
Avintaquin Creek	Lower Green	422	1983	0.167	-0.076	0.280	0.356
Bald Hornet Creek	Upper Green	273	335	0.357	0.243	0.540	0.297
Baldy Creek	Yampa	100	498	0.420	0.251	0.493	0.242
Bare Creek	Upper Green	36	544	0.436	0.323	0.567	0.244
Bear Park Creek	Yampa	20	265	0.441	0.296	0.535	0.239
Beaver Creek	Yampa	102	1563	0.420	0.251	0.499	0.247
Beaver Creek	Upper Green	364	1068	0.301	0.229	0.437	0.207

Belvidere Ditch	Yampa	91	2080	0.422	0.264	0.498	0.234
Bench Lake Outlet	Lower Green	397	406	0.262	-0.008	0.433	0.440
Big Bear Creek	Lower Green	371	1550	0.295	0.112	0.544	0.432
Big Beaver Creek	Yampa	55	1484	0.430	0.287	0.520	0.233
Big Sandstone Creek	Yampa	157	242	0.405	0.296	0.489	0.193
Black Sulphur Creek	Yampa	278	978	0.354	0.243	0.511	0.268
Blacks Fork	Upper Green	253	446	0.367	0.238	0.452	0.214
Blue Mountain Creek	Yampa	149	544	0.407	0.244	0.502	0.258
Bob Bishop Canyon	Lower Green	418	283	0.191	0.137	0.242	0.105
Bogart Canyon	Lower Green	390	352	0.279	0.179	0.482	0.303
Boot Lake Outlet	Lower Green	400	215	0.255	-0.011	0.430	0.441
Bridge Creek	Yampa	115	424	0.416	0.256	0.491	0.235
Brush Creek	Yampa	170	205	0.398	0.273	0.502	0.230
Brush Creek	Upper Green	295	849	0.345	0.236	0.445	0.209
Buck Canyon	Lower Green	384	276	0.283	0.178	0.458	0.280
Bunker Creek	Yampa	56	1002	0.430	0.273	0.507	0.233
Burnt Fork	Upper Green	254	2214	0.367	0.227	0.512	0.285
Burnt Fork Lake Outlet	Upper Green	83	222	0.423	0.304	0.484	0.180
Burton Creek	Yampa	43	264	0.433	0.270	0.504	0.234

Cabin Creek	Upper Green	177	218	0.396	0.345	0.552	0.207
Camp Creek	Upper Green	30	242	0.438	0.317	0.550	0.234
Canyon Creek	Yampa	203	301	0.386	0.280	0.508	0.228
Cataract Creek	Yampa	61	882	0.429	0.281	0.498	0.216
Cathedral Creek	Yampa	212	472	0.383	0.259	0.526	0.267
Cedar Creek	Yampa	160	405	0.404	0.265	0.492	0.228
Chair Creek	Upper Green	141	147	0.409	0.317	0.544	0.227
Chall Creek	Upper Green	328	854	0.328	0.236	0.476	0.240
Circle Creek	Yampa	97	810	0.421	0.286	0.507	0.221
Clear Creek	Upper Green	23	277	0.441	0.338	0.549	0.211
Clear Creek	Lower Green	395	90	0.268	0.174	0.429	0.255
Corlos Creek	Upper Green	299	141	0.342	0.268	0.493	0.225
Corral Creek	Yampa	69	261	0.426	0.323	0.494	0.171
Corral Park	Lower Green	124	412	0.413	0.249	0.524	0.275
Coulton Creek	Yampa	66	679	0.427	0.291	0.518	0.227
Cow Creek	Upper Green	31	354	0.438	0.329	0.553	0.224
Coyote Park Creek	Upper Green	224	268	0.378	0.335	0.489	0.154
Crater Lake Creek	Lower Green	374	378	0.290	-0.008	0.492	0.500
Crouse Creek	Upper Green	331	1405	0.323	0.214	0.428	0.214

Crystal Creek	Upper Green	148	324	0.407	0.315	0.542	0.227
Currant Creek	Upper Green	376	2328	0.289	0.210	0.422	0.211
Currant Creek	Lower Green	411	264	0.233	-0.005	0.445	0.450
Cyclone Creek	Yampa	99	348	0.420	0.271	0.487	0.216
Daggett Lake Outlet	Upper Green	11	373	0.446	0.307	0.493	0.187
Dahlgreen Creek	Upper Green	235	1108	0.371	0.249	0.482	0.232
Dale Creek	Yampa	181	227	0.394	0.276	0.491	0.216
Deadline Creek	Yampa	68	506	0.426	0.282	0.516	0.234
Deadman Creek	Yampa	122	426	0.413	0.280	0.510	0.230
Deep Creek	Yampa	151	817	0.406	0.271	0.505	0.234
Dirtyman Fork	Yampa	107	550	0.418	0.283	0.508	0.225
Doug Lake Outlet	Lower Green	416	2	0.196	0.013	0.293	0.280
Dry Fork	Lower Green	252	2595	0.367	-0.009	0.532	0.541
Duck Fork	Lower Green	323	340	0.331	0.058	0.531	0.474
Dunckley Pass Creek	Yampa	35	414	0.437	0.266	0.498	0.232
E. Unnamed Trib. to North Fork Little Snake River	Yampa	165	168	0.402	0.260	0.500	0.240
E. Unnamed Trib. to Rock Creek	Lower Green	386	112	0.280	0.228	0.456	0.228
E. Unnamed Trib. to Tabbyune Creek	Lower Green	354	495	0.309	0.053	0.531	0.478
E. Unnamed Trib. to Yellowstone Creek	Lower Green	366	124	0.300	0.045	0.500	0.455

East Douglas Creek	Yampa	119	473	0.414	0.270	0.519	0.249
East Fork Bear Park Creek	Yampa	10	11	0.447	0.392	0.504	0.112
East Fork Blacks Fork	Upper Green	210	2283	0.383	0.251	0.483	0.232
East Fork Boulder Creek	Dirty Devil	169	624	0.399	0.164	0.539	0.375
East Fork North Elk Creek	Yampa	12	329	0.446	0.359	0.511	0.152
East Fork Trout Creek	Upper Green	350	382	0.310	0.210	0.444	0.234
East Fork Unnamed Trib. to South La Barge Creek	Upper Green	5	202	0.454	0.323	0.528	0.205
East Fork Whiterocks River	Lower Green	206	724	0.385	-0.008	0.519	0.527
East Fork Williams Fork	Yampa	132	1818	0.411	0.258	0.497	0.239
East Three Forks Ranch Creek	Yampa	150	182	0.406	0.284	0.488	0.204
Eastside Tributary	Upper Green	213	176	0.382	0.290	0.453	0.163
Elk Creek	Upper Green	202	641	0.386	0.248	0.465	0.217
Elkhead Creek	Yampa	192	2640	0.390	0.253	0.504	0.251
Fawn Creek	Yampa	33	475	0.437	0.300	0.518	0.218
First Canyon Creek	Lower Green	414	463	0.218	0.129	0.431	0.302
First Creek	Yampa	138	1091	0.410	0.287	0.506	0.219
First Water Canyon	Lower Green	403	617	0.252	0.176	0.515	0.339
Fish Creek	Yampa	72	667	0.425	0.282	0.494	0.212
Fish Creek	Upper Green	196	1182	0.388	0.296	0.552	0.256

Fish Creek	Lower Green	358	921	0.305	-0.050	0.519	0.569
Fish Lake Outlet	Upper Green	93	159	0.421	0.299	0.486	0.187
Fish Lake Trib.	Lower Green	282	189	0.352	0.052	0.509	0.457
Fourmile Creek	Yampa	41	437	0.434	0.343	0.508	0.165
Garfield Creek	Lower Green	334	906	0.321	0.008	0.528	0.520
Gentry Hollow	Lower Green	313	814	0.336	0.190	0.537	0.347
George Creek	Yampa	51	230	0.431	0.282	0.506	0.224
Gilbert Creek	Upper Green	258	1252	0.363	0.221	0.477	0.256
Gooseberry Creek	Upper Green	393	497	0.271	0.222	0.429	0.207
Grass Lake Outlet	Upper Green	159	180	0.404	0.325	0.476	0.151
Green Creek	Yampa	60	105	0.429	0.274	0.510	0.236
Green Timber Creek	Yampa	77	349	0.424	0.301	0.509	0.208
Gregory Creek	Yampa	110	131	0.418	0.296	0.487	0.191
Gypsum Creek	Upper Green	260	108	0.363	0.276	0.447	0.171
Haggarty Creek	Yampa	114	404	0.416	0.257	0.511	0.254
Hahn Creek	Yampa	134	443	0.410	0.269	0.494	0.225
Hall Creek	Dirty Devil	355	544	0.308	0.196	0.546	0.349
Happy Creek	Yampa	186	103	0.392	0.264	0.498	0.233
Hardin Creek	Upper Green	140	97	0.409	0.351	0.500	0.149

Harrison Creek	Yampa	117	254	0.414	0.277	0.505	0.227
Haskins Creek	Yampa	178	182	0.395	0.252	0.488	0.237
Hatch Creek	Yampa	131	261	0.411	0.303	0.497	0.194
Hell Canyon	Yampa	147	605	0.407	0.271	0.497	0.226
Hell Hole Outlet	Lower Green	314	162	0.336	0.015	0.506	0.492
Hells Canyon	Lower Green	329	1223	0.327	0.074	0.523	0.449
Henry's Fork	Upper Green	245	2890	0.368	0.218	0.485	0.266
Horse Creek	Upper Green	268	2694	0.359	0.235	0.478	0.243
Horseshoe Lake Outlet	Lower Green	319	97	0.333	0.104	0.490	0.386
Indian Creek	Upper Green	188	287	0.391	0.241	0.529	0.288
Indian Run	Yampa	90	642	0.422	0.302	0.496	0.193
Inlet to Burnt Fork Lake	Upper Green	152	65	0.406	0.295	0.481	0.186
Irene Creek	Upper Green	63	261	0.428	0.342	0.499	0.157
Island Lake Inlet	Upper Green	145	125	0.408	0.326	0.479	0.153
Jim Creek	Upper Green	274	326	0.357	0.245	0.485	0.241
Johnson Creek	Yampa	64	623	0.427	0.263	0.505	0.242
Johnson Fork	Lower Green	396	628	0.268	0.151	0.506	0.355
Jones Cabin Creek	Lower Green	343	633	0.316	0.083	0.524	0.442
Joulious Creek	Upper Green	182	434	0.393	0.282	0.478	0.197

Kabell Creek	Upper Green	126	826	0.413	0.229	0.503	0.274
Kelly Canyon	Lower Green	420	92	0.177	0.136	0.261	0.125
Klondike Creek	Upper Green	281	370	0.352	0.231	0.481	0.250
Krebs Creek	Lower Green	332	617	0.323	0.012	0.528	0.516
La Barge Creek	Upper Green	280	3357	0.353	0.220	0.552	0.333
Lake Canyon	Lower Green	419	573	0.185	0.009	0.304	0.296
Lake Creek	Yampa	257	632	0.365	0.245	0.529	0.284
Lake Fork River	Lower Green	346	1162	0.313	-0.014	0.511	0.525
Lander Creek	Upper Green	18	336	0.442	0.338	0.544	0.207
Lead Creek	Upper Green	233	1261	0.373	0.244	0.509	0.265
Left Fork Currant Creek	Lower Green	324	768	0.330	0.127	0.529	0.402
Left Fork Lake Creek	Yampa	29	129	0.439	0.290	0.520	0.230
Left Fork U M Creek	Dirty Devil	227	312	0.377	0.258	0.545	0.287
Left Fork White River	Lower Green	410	946	0.237	-0.054	0.487	0.541
Little Clear Creek	Upper Green	44	152	0.433	0.336	0.543	0.206
Little Corral Creek	Upper Green	172	176	0.398	0.309	0.546	0.237
Little East Fork	Upper Green	135	1062	0.410	0.251	0.507	0.256
Little Elk Creek	Upper Green	222	389	0.380	0.285	0.470	0.186
Little Fall Creek	Upper Green	305	627	0.338	0.219	0.464	0.244

Little Gilbert Creek	Upper Green	247	328	0.368	0.271	0.455	0.184
Little Horse Creek	Lower Green	241	466	0.369	0.002	0.535	0.533
Little Red Creek	Upper Green	377	432	0.289	0.226	0.414	0.187
Little West Fork	Lower Green	300	835	0.342	0.183	0.536	0.353
Little West Fork Blacks Fork	Upper Green	189	856	0.391	0.228	0.503	0.275
Littlefield Creek	Yampa	330	1666	0.324	0.251	0.475	0.224
Lopez Creek	Yampa	22	364	0.441	0.322	0.496	0.174
Lost Creek	Yampa	116	676	0.415	0.267	0.504	0.236
Low Pass Creek	Lower Green	372	698	0.293	-0.014	0.511	0.525
Lynn Creek	Lower Green	271	474	0.358	0.133	0.512	0.379
Mack Creek	Upper Green	87	117	0.422	0.304	0.538	0.235
Maki Creek	Upper Green	193	860	0.389	0.259	0.557	0.298
Mandall Creek	Yampa	155	603	0.405	0.234	0.489	0.255
Mann Creek	Upper Green	250	87	0.367	0.261	0.466	0.205
Martin Creek	Yampa	49	149	0.432	0.301	0.498	0.197
Meadow Creek	Lower Green	421	699	0.174	0.095	0.285	0.190
Middle Fork Beaver Creek	Upper Green	228	381	0.377	0.262	0.453	0.191
Middle Fork Blacks Fork	Upper Green	248	1649	0.368	0.234	0.481	0.247
Middle Fork Currant Creek	Upper Green	336	162	0.319	0.220	0.406	0.185

Middle Fork North Elk Creek	Yampa	2	541	0.460	0.373	0.520	0.147
Middle Fork White River	Lower Green	381	988	0.285	0.068	0.521	0.453
Milk Creek	Yampa	167	1461	0.399	0.248	0.496	0.248
Milk Creek	Lower Green	308	377	0.337	0.205	0.508	0.303
Mill Creek	Yampa	125	614	0.413	0.265	0.501	0.236
Mill Hollow	Lower Green	383	866	0.284	0.089	0.514	0.426
Miller Creek	Upper Green	316	888	0.335	0.232	0.435	0.203
Morapos Creek	Yampa	50	672	0.431	0.282	0.489	0.206
Moynier Spring Creek	Lower Green	398	472	0.256	0.158	0.477	0.318
Mud Water Canyon	Lower Green	417	510	0.192	0.135	0.264	0.129
Muddy Creek	Upper Green	266	969	0.360	0.238	0.567	0.329
Muddy Creek	Yampa	306	1124	0.338	0.245	0.482	0.238
Mule Creek	Upper Green	136	225	0.410	0.310	0.543	0.233
N. Twin Lakes Inlet	Lower Green	311	308	0.336	0.013	0.508	0.494
N. Unnamed Trib. to Horse Creek	Upper Green	204	100	0.385	0.252	0.440	0.188
N. Unnamed Trib. to Smith Creek	Yampa	67	444	0.427	0.327	0.507	0.180
N. Unnamed Trib. to South Fork Slater Creek	Yampa	17	133	0.442	0.360	0.503	0.142
N. Unnamed Trib. to Tabbyune Creek	Lower Green	302	176	0.340	0.183	0.514	0.331
N. Unnamed Trib. to Watch Canyon	Lower Green	325	153	0.330	0.190	0.505	0.315

Nameless Creek	Upper Green	198	270	0.387	0.331	0.504	0.173
NE Unnamed Trib. to La Barge Creek	Upper Green	244	96	0.369	0.327	0.441	0.114
North Cottonwood Creek	Upper Green	103	875	0.420	0.282	0.504	0.222
North Elk Creek	Yampa	8	721	0.448	0.331	0.526	0.195
North Fork Ashley Creek	Lower Green	234	1788	0.373	0.015	0.541	0.526
North Fork Beaver Creek	Upper Green	113	697	0.416	0.297	0.488	0.191
North Fork Dry Fork	Lower Green	279	923	0.354	0.194	0.532	0.339
North Fork Elkhead Creek	Yampa	111	1192	0.417	0.285	0.505	0.220
North Fork Fish Creek	Upper Green	98	129	0.421	0.301	0.513	0.212
North Fork Fortification Creek	Yampa	16	243	0.442	0.353	0.508	0.156
North Fork Little Snake River	Yampa	79	1173	0.424	0.291	0.514	0.223
North Fork of South Fork Williams Fork	Yampa	129	397	0.412	0.275	0.495	0.220
North Fork Sheep Creek	Upper Green	27	1051	0.439	0.282	0.518	0.236
North Horse Creek	Upper Green	276	2866	0.355	0.253	0.538	0.285
North Piney Creek	Upper Green	58	1540	0.429	0.302	0.561	0.258
NW Unnamed Trib. to South La Barge Creek	Upper Green	82	179	0.423	0.303	0.540	0.237
Nylanden Creek	Upper Green	3	300	0.455	0.347	0.553	0.206
Oliver Creek	Yampa	46	942	0.432	0.281	0.504	0.223
Packsaddle Creek	Upper Green	173	2	0.398	0.364	0.461	0.097

Pagoda Creek	Yampa	74	1130	0.425	0.268	0.503	0.234
Park Creek	Upper Green	270	420	0.358	0.241	0.449	0.208
Pass Creek	Lower Green	312	477	0.336	0.183	0.519	0.336
Pine Creek	Yampa	104	762	0.419	0.288	0.499	0.211
Pine Creek	Dirty Devil	387	2181	0.280	0.167	0.536	0.369
Pioche Creek	Lower Green	335	1321	0.320	0.171	0.497	0.326
Poose Creek	Yampa	84	1333	0.423	0.246	0.496	0.251
Rabbit Creek	Yampa	106	473	0.419	0.262	0.510	0.249
Racetrack Creek	Lower Green	357	393	0.306	-0.055	0.519	0.574
Reader Creek	Lower Green	284	562	0.351	0.148	0.505	0.357
Red Belly Lake Outlet	Lower Green	379	13	0.288	0.044	0.489	0.445
Red Creek	Upper Green	362	1144	0.303	0.210	0.489	0.278
Reynolds Creek	Lower Green	272	60	0.358	0.175	0.510	0.335
Right Fork Currant Creek	Lower Green	369	582	0.298	-0.034	0.508	0.542
Right Fork Lake Creek	Yampa	59	81	0.429	0.301	0.516	0.215
Right Fork U M Creek	Dirty Devil	242	524	0.369	0.259	0.543	0.284
Right Fork White River	Lower Green	406	1275	0.245	0.067	0.465	0.398
Road Creek	Upper Green	200	33	0.387	0.348	0.493	0.145
Roaring Fork	Yampa	161	955	0.404	0.257	0.512	0.255

Roaring Fork Slater Creek	Yampa	40	958	0.435	0.245	0.506	0.261
Rock Creek	Upper Green	303	2413	0.340	0.220	0.490	0.270
Rose Bud Park Creek	Yampa	92	125	0.422	0.281	0.519	0.238
Rose Creek	Yampa	48	205	0.432	0.313	0.508	0.196
Rough Creek	Yampa	95	736	0.421	0.295	0.503	0.208
Round Lake Outlet	Upper Green	38	264	0.435	0.292	0.484	0.193
S. Unnamed trib to South Fork Little Snake River	Yampa	14	142	0.444	0.355	0.502	0.147
S. Unnamed Trib. to Gilbert Creek	Upper Green	246	43	0.368	0.285	0.422	0.137
S. Unnamed Trib. to Henrys Fork	Upper Green	179	216	0.395	0.318	0.488	0.170
S. Unnamed Trib. to Horse Creek	Upper Green	211	32	0.383	0.293	0.423	0.131
S. Unnamed Trib. to Rock Creek	Upper Green	360	105	0.305	0.216	0.412	0.196
S. Unnamed Trib. to Smith Creek	Yampa	130	191	0.411	0.301	0.487	0.186
S. Unnamed Trib. to South Fork Slater Creek	Yampa	39	197	0.435	0.319	0.495	0.176
S. Unnamed trib. to Willow Creek	Yampa	7	280	0.452	0.374	0.511	0.136
Sage Creek	Upper Green	352	2735	0.310	0.212	0.483	0.270
Sand Creek	Dirty Devil	382	178	0.285	0.195	0.548	0.353
Sawmill Creek	Yampa	54	306	0.430	0.329	0.507	0.178
Sawmill Creek	Upper Green	317	81	0.334	0.243	0.427	0.184
Sawmill Lake Outlet	Upper Green	171	8	0.398	0.346	0.453	0.107

Scad Valley Creek	Lower Green	294	777	0.345	0.143	0.528	0.385
Sears Creek	Upper Green	333	1177	0.322	0.224	0.428	0.204
Second Water Canyon	Lower Green	412	657	0.227	0.169	0.500	0.331
Shafer Creek	Upper Green	76	216	0.425	0.243	0.504	0.261
She Canyon Creek	Lower Green	407	1009	0.240	0.167	0.438	0.271
Sheep Creek	Upper Green	255	549	0.366	0.229	0.477	0.248
Sherard Creek	Yampa	80	20	0.424	0.336	0.499	0.163
Short Creek	Dirty Devil	415	204	0.210	-0.034	0.372	0.406
Shotgun Draw	Lower Green	405	413	0.249	0.146	0.514	0.368
Silver Mine Creek	Upper Green	321	97	0.333	0.252	0.455	0.203
Sjhoberg Creek	Upper Green	25	394	0.440	0.337	0.559	0.222
Slide Creek	Yampa	28	327	0.439	0.284	0.494	0.210
Smith Creek	Yampa	53	510	0.431	0.325	0.504	0.180
Snell Creek	Yampa	133	843	0.410	0.267	0.494	0.227
Soldier Creek	Yampa	214	518	0.382	0.269	0.520	0.251
Solomon Creek	Yampa	75	493	0.425	0.307	0.508	0.200
South Beaver Creek	Upper Green	327	1695	0.329	0.216	0.502	0.286
South Brownie Creek	Lower Green	265	495	0.360	0.133	0.532	0.398
South Cottonwood Creek	Upper Green	184	969	0.393	0.265	0.539	0.274

South Fork Avintaquin Creek	Lower Green	413	1244	0.225	0.103	0.493	0.390
South Fork Bare Creek	Upper Green	1	99	0.462	0.343	0.564	0.221
South Fork Currant Creek	Lower Green	290	460	0.347	0.179	0.524	0.345
South Fork Deadline Creek	Yampa	57	158	0.429	0.297	0.514	0.217
South Fork Fontenelle Creek	Upper Green	194	983	0.389	0.220	0.522	0.302
South Fork Little Snake River	Yampa	78	544	0.424	0.280	0.492	0.211
South Fork North Horse Creek	Upper Green	101	379	0.420	0.275	0.548	0.273
South Fork of East Fork Douglas Creek	Yampa	21	18	0.441	0.375	0.508	0.133
South Fork Rock Creek	Lower Green	239	1149	0.370	-0.014	0.535	0.549
South Fork Sheep Creek	Upper Green	143	1049	0.408	0.288	0.497	0.209
South Fork Slater Creek	Yampa	45	860	0.433	0.277	0.497	0.220
South Fork Williams Fork	Yampa	118	1378	0.414	0.263	0.497	0.234
South Horse Creek	Upper Green	236	2606	0.371	0.252	0.552	0.300
South Indian Creek	Upper Green	221	122	0.380	0.251	0.497	0.246
South La Barge Creek	Upper Green	123	799	0.413	0.298	0.540	0.242
Split Creek	Lower Green	256	540	0.365	0.046	0.529	0.483
Spring Creek	Upper Green	205	1214	0.385	0.233	0.513	0.279
Spring Creek	Lower Green	287	348	0.350	0.002	0.526	0.524
Standard Creek	Yampa	153	160	0.406	0.275	0.501	0.226

Steel Creek	Upper Green	264	463	0.361	0.272	0.436	0.164
Steer Gulch	Lower Green	399	628	0.256	-0.008	0.438	0.446
Tabbyune Creek	Lower Green	408	586	0.239	0.126	0.481	0.356
Tall Four Reservoir	Dirty Devil	15	111	0.443	0.270	0.542	0.271
Ted Creek	Yampa	201	176	0.387	0.255	0.497	0.242
Tepee Creek	Upper Green	309	507	0.337	0.250	0.438	0.188
Third Creek	Yampa	144	59	0.408	0.276	0.486	0.210
Thompson Creek	Upper Green	187	1097	0.391	0.210	0.514	0.304
Three Forks Ranch Creek	Yampa	217	73	0.381	0.269	0.456	0.186
Tie Fork Canyon	Lower Green	391	258	0.275	0.178	0.489	0.312
Timber Canyon	Lower Green	402	984	0.254	0.079	0.451	0.372
Torso Creek	Yampa	62	322	0.428	0.327	0.500	0.172
Trail Canyon	Lower Green	339	356	0.319	0.178	0.515	0.337
Trail Creek	Upper Green	166	189	0.402	0.328	0.541	0.213
Trail Hollow	Lower Green	389	403	0.279	0.178	0.506	0.328
Trail Ridge	Upper Green	353	678	0.309	0.240	0.463	0.223
Trib to Unnamed Trib #2 to East Fork Blacks Fork	Upper Green	229	90	0.377	0.293	0.475	0.182
Trib. To Unnamed Trib #4 to East Fork Blacks Fork	Upper Green	218	158	0.381	0.297	0.484	0.186
Trib. To Unnamed Trib. #1 to Little East Fork	Upper Green	183	80	0.393	0.298	0.475	0.177

Trib. To W Unnamed Trib. To Lake Fork River	Lower Green	368	76	0.299	-0.015	0.465	0.480
Trout Creek	Yampa	81	655	0.423	0.264	0.500	0.236
Trout Creek	Upper Green	359	1185	0.305	0.214	0.438	0.223
Turkey Creek	Upper Green	340	165	0.318	0.229	0.474	0.245
Tut Creek	Lower Green	219	338	0.381	0.206	0.535	0.329
Twin Lakes Outlet	Lower Green	283	161	0.352	0.089	0.518	0.429
Twitchell Creek	Dirty Devil	230	439	0.376	0.205	0.540	0.335
U M Creek	Dirty Devil	378	1801	0.288	0.035	0.528	0.494
Unnamed east trib of East Fork Williams Fork	Yampa	70	86	0.426	0.293	0.484	0.192
Unnamed Headwater Trib to Solomon Creek	Yampa	232	7	0.374	0.307	0.459	0.152
Unnamed N Trib to S Fork Little Snake River	Yampa	269	1	0.359	0.351	0.375	0.024
Unnamed N. trib. of North Fork Elkhead Creek	Yampa	105	46	0.419	0.311	0.490	0.179
Unnamed North Trib to Pine Creek	Dirty Devil	238	64	0.370	0.291	0.528	0.237
Unnamed S Tributarty to Milk Creek	Yampa	128	37	0.412	0.359	0.484	0.125
Unnamed S. trib. of First Creek	Yampa	34	92	0.437	0.348	0.505	0.157
Unnamed South Trib to Rock Creek	Upper Green	307	54	0.337	0.227	0.421	0.195
Unnamed trib of Trout Creek	Yampa	96	7	0.421	0.337	0.456	0.119
Unnamed Trib to Lynn Creek	Lower Green	249	145	0.368	0.270	0.510	0.239
Unnamed Trib to Snell Creek	Yampa	216	701	0.381	0.246	0.494	0.248

Unnamed Trib. #1 to Burnt Fork	Upper Green	164	582	0.402	0.294	0.485	0.191
Unnamed Trib. #1 to Dry Fork	Lower Green	394	23	0.269	0.100	0.313	0.213
Unnamed Trib. #1 to Little East Fork	Upper Green	185	28	0.392	0.300	0.468	0.168
Unnamed Trib. #1 to Middle Fork Blacks Fork	Upper Green	277	106	0.355	0.294	0.474	0.180
Unnamed Trib. #1 to Middle Fork White River	Lower Green	310	173	0.337	0.188	0.509	0.320
Unnamed Trib. #1 to Right Fork White River	Lower Green	375	398	0.290	0.019	0.507	0.488
Unnamed Trib. #1 to Trib. #4 to Middle Fork White	Lower Green	337	56	0.319	0.187	0.450	0.264
Unnamed Trib. #1 to West Fork Blacks Fork	Upper Green	190	116	0.391	0.305	0.477	0.172
Unnamed Trib. #2 to Trib. #3 to Right Fork White	Lower Green	320	141	0.333	0.196	0.508	0.312
Unnamed Trib. #2 to Dry Fork	Lower Green	370	35	0.296	0.029	0.456	0.427
Unnamed Trib. #2 to East Fork Blacks Fork	Upper Green	162	286	0.403	0.292	0.481	0.189
Unnamed Trib. #2 to Little East Fork	Upper Green	175	30	0.396	0.313	0.475	0.163
Unnamed Trib. #2 to Middle Fork Blacks Fork	Upper Green	285	30	0.350	0.296	0.457	0.161
Unnamed Trib. #2 to Middle Fork White River	Lower Green	209	36	0.383	0.215	0.493	0.279
Unnamed Trib. #2 to Right Fork White River	Lower Green	275	276	0.356	0.024	0.523	0.499
Unnamed Trib. #2 to Trib. #4 to Middle Fork White	Lower Green	261	65	0.362	0.198	0.505	0.308
Unnamed Trib. #2 to West Fork Blacks Fork	Upper Green	89	131	0.422	0.313	0.487	0.174
Unnamed Trib. #3 to Dry Fork	Lower Green	293	25	0.346	0.044	0.493	0.449
Unnamed Trib. #3 to East Fork Blacks Fork	Upper Green	120	249	0.414	0.310	0.482	0.172

Unnamed Trib. #3 to Little East Fork	Upper Green	197	29	0.387	0.312	0.480	0.167
Unnamed Trib. #3 to Middle Fork White River	Lower Green	345	13	0.315	0.205	0.441	0.236
Unnamed Trib. #3 to Right Fork White River	Lower Green	344	378	0.315	0.180	0.511	0.331
Unnamed Trib. #3 to West Fork Blacks Fork	Upper Green	112	103	0.417	0.305	0.486	0.181
Unnamed Trib. #4 to Dry Fork	Lower Green	154	1	0.406	0.304	0.493	0.189
Unnamed Trib. #4 to East Fork Blacks Fork	Upper Green	168	128	0.399	0.296	0.481	0.185
Unnamed Trib. #4 to Little East Fork	Upper Green	263	1	0.361	0.345	0.389	0.043
Unnamed Trib. #4 to Middle Fork White River	Lower Green	341	26	0.318	0.198	0.453	0.254
Unnamed Trib. #4 to Right Fork White River	Lower Green	365	315	0.301	0.147	0.525	0.378
Unnamed Trib. #5 to Dry Fork	Lower Green	262	31	0.362	0.106	0.488	0.382
Unnamed Trib. #5 to East Fork Blacks Fork	Upper Green	191	56	0.390	0.317	0.471	0.154
Unnamed Trib. #5 to Little East Fork	Upper Green	127	3	0.412	0.352	0.467	0.116
Unnamed Trib. #5 to Right Fork White River	Lower Green	231	189	0.374	0.210	0.526	0.316
Unnamed Trib. #6 to Dry Fork	Lower Green	286	20	0.350	0.267	0.463	0.196
Unnamed Trib. #6 to East Fork Blacks Fork	Upper Green	208	0	0.383	0.355	0.405	0.049
Unnamed Trib. #6 to Little East Fork	Upper Green	73	7	0.425	0.338	0.477	0.140
Unnamed Trib. #7 to Dry Fork	Lower Green	338	248	0.319	0.007	0.491	0.485
Unnamed Trib. S. Unname Trib. to S.F. Slater Creek	Yampa	42	27	0.434	0.380	0.484	0.104
Unnamed Trib. to East Douglas Creek	Yampa	26	8	0.440	0.383	0.505	0.122

Unnamed Trib. to Beaver Creek	Upper Green	373	156	0.291	0.231	0.416	0.184
Unnamed Trib. to Burnt Fork	Upper Green	142	128	0.409	0.247	0.505	0.258
Unnamed Trib. to Coyote Park Creek	Upper Green	223	36	0.379	0.346	0.506	0.160
Unnamed Trib. to E. Trib to Tabbyune Creek	Lower Green	298	127	0.343	0.187	0.510	0.323
Unnamed Trib. to Green River	Upper Green	297	405	0.343	0.228	0.487	0.258
Unnamed Trib. to Johnson Fork	Lower Green	349	136	0.311	0.190	0.503	0.313
Unnamed Trib. to Little Clear Creek	Upper Green	109	127	0.418	0.300	0.506	0.205
Unnamed Trib. to Rose Creek	Yampa	47	29	0.432	0.305	0.501	0.196
Unnamed Trib. to Slater Creek	Yampa	19	31	0.442	0.365	0.495	0.130
Unnamed Trib. to South Beaver Creek	Upper Green	291	232	0.347	0.225	0.466	0.240
Unnamed Trib. to South LaBarge Creek	Upper Green	139	176	0.409	0.315	0.516	0.200
Unnamed Trib. to Split Creek	Lower Green	301	423	0.341	0.013	0.521	0.509
Unnamed Trib. to Standard Creek	Yampa	137	36	0.410	0.274	0.480	0.205
Unnamed Trib. to Trail Hollow	Lower Green	392	92	0.271	0.196	0.482	0.286
Unnamed Trib. to Trib. #1 to Middle Fork White River	Lower Green	146	9	0.407	0.252	0.504	0.252
Unnamed Trib. to Trib. #1 to Right Fork White River	Lower Green	356	92	0.306	0.211	0.511	0.300
Unnamed Trib. to Trib. #2 to Right Fork White River	Lower Green	180	58	0.394	0.059	0.524	0.465
Unnamed Trib. to Trib. #3 to Right Fork White River	Lower Green	348	63	0.311	0.208	0.498	0.290
Unnamed Trib. to Trib. #7 to Dry Fork	Lower Green	326	52	0.330	0.234	0.491	0.257

Unnamed Trib. to Van Tassel Creek	Upper Green	289	178	0.347	0.264	0.489	0.225
Unnamed Trib. to W. Trib. to Watch Canyon	Lower Green	380	148	0.287	-0.056	0.489	0.545
Unnamed Trib. to West Fork Smiths Fork	Upper Green	237	154	0.370	0.273	0.435	0.162
Unnamed Trib. to West Muddy Creek	Upper Green	240	677	0.370	0.230	0.488	0.258
Unnamed Trib. to West Prong Creek	Yampa	37	164	0.436	0.327	0.493	0.166
Unnamed Tributary to Beaver Meadow Reservoir	Upper Green	108	246	0.418	0.228	0.514	0.286
Unnamed W. Tributary of Garfield Creek(Gem Lake)	Lower Green	385	68	0.282	0.111	0.440	0.329
Ute Creek	Yampa	94	225	0.421	0.318	0.498	0.180
Van Tassel Creek	Upper Green	296	1459	0.344	0.222	0.490	0.268
Vat Creek	Lower Green	267	251	0.359	0.195	0.516	0.321
W. Unnamed Headwater Trib. to Lake Fork River	Lower Green	404	130	0.250	-0.018	0.409	0.427
W. Unnamed Trib. #1 to Henrys Fork	Upper Green	174	9	0.396	0.334	0.465	0.131
W. Unnamed Trib. #2 to Henrys Fork	Upper Green	156	136	0.405	0.297	0.484	0.187
W. Unnamed Trib. #3 to Henrys Fork	Upper Green	195	15	0.389	0.353	0.454	0.102
W. Unnamed Trib. to North Fork Little Snake River	Yampa	158	131	0.405	0.279	0.489	0.210
W. Unnamed Trib. to Rock Creek	Upper Green	363	283	0.303	0.217	0.413	0.196
W. Unnamed Trib. to Watch Canyon	Lower Green	351	94	0.310	0.180	0.495	0.315
W. Unnamed Trib. to West Fork Duchesne River	Lower Green	315	110	0.336	0.241	0.516	0.275
Wagonwheel Creek	Yampa	322	892	0.332	0.239	0.469	0.230

Watch Canyon	Lower Green	367	177	0.299	0.180	0.497	0.317
Water Canyon	Dirty Devil	388	517	0.279	0.181	0.492	0.311
West Branch Deep Creek	Yampa	88	174	0.422	0.291	0.508	0.217
West Branch North Fork Little Snake River	Yampa	121	716	0.413	0.252	0.508	0.256
West Branch Pine Creek	Dirty Devil	226	267	0.378	0.204	0.509	0.305
West Coal Creek	Yampa	176	422	0.396	0.247	0.480	0.233
West Fork Avintaquin Creek	Lower Green	409	1236	0.238	0.119	0.514	0.395
West Fork Beaver Creek	Upper Green	225	924	0.378	0.216	0.486	0.270
West Fork Blacks Fork	Upper Green	199	2227	0.387	0.250	0.494	0.245
West Fork Boulder Creek	Dirty Devil	288	966	0.348	0.145	0.541	0.396
West Fork Currant Creek	Upper Green	342	122	0.317	0.220	0.414	0.194
West Fork Duchesne River	Lower Green	292	1022	0.346	-0.053	0.537	0.590
West Fork Fawn Creek	Yampa	52	433	0.431	0.307	0.490	0.183
West Fork Haskins Creek	Yampa	347	11	0.312	0.246	0.408	0.162
West Fork North Elk Creek	Yampa	4	847	0.454	0.341	0.523	0.183
West Fork Smiths Fork	Upper Green	259	2310	0.363	0.223	0.483	0.260
West Fork Trout Creek	Upper Green	304	321	0.339	0.224	0.462	0.238
West Fork Unnamed Trib. To South La Barge Creek	Upper Green	71	41	0.426	0.324	0.539	0.214
West Muddy Creek	Upper Green	251	1107	0.367	0.218	0.508	0.291

West Pine Creek	Yampa	65	113	0.427	0.325	0.490	0.165
West Prong Creek	Yampa	13	527	0.445	0.341	0.505	0.164
West Willow Creek	Lower Green	401	2238	0.255	0.142	0.446	0.304
Westside Tributary	Upper Green	207	141	0.384	0.288	0.445	0.157
Weyman Creek	Upper Green	6	669	0.452	0.270	0.523	0.253
Wheeler Creek	Yampa	9	211	0.448	0.366	0.507	0.142
White Creek	Dirty Devil	361	293	0.304	0.185	0.489	0.304
Whiterocks River	Lower Green	243	816	0.369	-0.011	0.533	0.544
Willow Creek	Yampa	24	539	0.440	0.330	0.506	0.176
Witherspoon Creek	Upper Green	215	175	0.382	0.327	0.496	0.170
Yellowstone Creek	Lower Green	318	866	0.334	-0.018	0.522	0.540

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8 Supplemental Table 2: Hazard indices of the combined (likelihood (%) and volume(m³)) hazard classification of potential post-fire debris flow for Conservation
 9 Populations nodes (CP ID) of blue lineage Colorado River Cutthroat Trout (*Oncorhynchus clarkii pleuriticus*) and the associated 4-digit watershed boundary
 10 Hydrologic Unit Code (HUC-4; UG = Upper Green, YP = Yampa, LG = Lower Green, & DD = Dirty Devil) based on predicted burn severity of unburned areas
 11 and simulated peak 15-minute rainfall intensities increasing from 12 mm hr⁻¹ to 40 mm hr⁻¹. *Note:* Values: 0–1 = low, 1–2 = moderate, 2–3 = high.

CP ID	HUC-4	12 mm hr ⁻¹	16 mm hr ⁻¹	20 mm hr ⁻¹	24 mm hr ⁻¹	28 mm hr ⁻¹	32 mm hr ⁻¹	36 mm hr ⁻¹	40 mm hr ⁻¹
14040101cp001	UG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14040101cp003	UG	1.02	1.07	1.16	1.34	1.40	1.50	2.02	2.09
14040101cp004	UG	1.42	1.48	1.52	1.75	1.88	1.94	2.50	2.50
14040101cp005	UG	0.58	0.58	0.58	0.58	0.58	0.58	1.17	1.17
14040101cp006	UG	1.00	1.10	1.13	1.13	1.13	1.13	1.93	1.93
14040101cp007	UG	1.07	1.11	1.15	1.24	1.29	1.29	2.00	2.00
14040101cp009	UG	0.75	0.89	1.08	1.16	1.40	1.55	1.67	1.83
14040101cp011	UG	0.80	0.95	1.11	1.42	1.50	1.64	1.86	1.98
14040101cp012	UG	0.92	0.92	0.92	1.40	1.49	1.77	1.85	1.85
14040101cp013	UG	0.76	0.79	0.84	0.99	1.09	1.19	1.35	1.53
14040101cp014	UG	1.27	1.27	1.27	1.69	1.69	1.77	2.17	2.42
14040101cp015	UG	1.13	1.15	1.17	1.38	1.44	1.56	1.72	1.94
14040101cp016	UG	1.48	1.48	1.48	1.78	1.78	1.81	2.07	2.52

14040101cp018	UG	1.00	1.00	1.14	1.65	1.65	1.88	2.00	2.00
14040101cp019	UG	0.65	0.65	0.66	0.94	1.00	1.21	1.30	1.37
14040101cp020	UG	0.99	1.00	1.04	1.27	1.32	1.50	1.72	1.89
14040101cp021	UG	0.87	0.88	0.96	1.13	1.24	1.29	1.49	1.54
14040101cp022	UG	0.98	1.02	1.03	1.12	1.43	1.79	1.85	1.99
14040101cp023	UG	0.80	0.80	0.80	0.97	1.15	1.20	1.55	1.60
14040101cp024	UG	1.00	1.00	1.00	1.00	1.29	1.56	1.87	1.98
14040101cp025	UG	0.90	0.93	1.23	1.42	1.54	1.64	1.78	1.91
14040101cp026	UG	0.75	0.75	1.00	1.02	1.25	1.38	1.38	1.48
14040101cp028	UG	0.82	0.82	0.82	0.88	1.24	1.29	1.35	1.35
14040101cp030	UG	0.91	0.91	1.02	1.51	1.66	1.79	1.83	1.85
14040101cp031	UG	0.99	1.01	1.06	1.20	1.34	1.34	1.40	1.59
14040101cp034	UG	0.90	0.93	1.13	1.59	1.73	1.79	1.85	2.19
14040101cp036	UG	0.75	0.75	1.00	1.38	1.38	1.63	1.63	1.63
14040101cp037	UG	1.00	1.52	1.88	2.00	2.04	2.60	2.88	3.00
14040101cp044	UG	1.00	1.00	1.00	1.05	1.63	1.81	1.93	2.00
14040101cp046	UG	0.94	1.01	1.22	1.42	1.57	1.76	1.95	2.15
14040101cp047	UG	0.97	1.06	1.31	1.54	1.63	1.86	2.08	2.29
14040101cp051	UG	1.00	1.00	1.65	1.76	1.76	1.86	2.41	2.57

14040106cp001	UG	0.73	0.75	0.82	0.99	1.06	1.30	1.42	1.50
14040106cp002	UG	1.00	1.00	1.63	1.67	1.84	1.97	2.48	2.51
14040106cp003	UG	0.78	0.78	0.86	1.09	1.41	1.56	1.57	1.58
14040106cp004	UG	0.72	0.72	0.77	0.89	1.13	1.40	1.45	1.45
14040106cp006	UG	0.81	0.83	0.88	1.06	1.17	1.54	1.59	1.65
14040106cp007	UG	0.55	0.55	0.55	0.70	0.73	1.10	1.10	1.14
14040106cp008	UG	0.81	0.81	0.81	0.86	1.03	1.14	1.49	1.65
14040106cp011	UG	0.86	0.89	0.93	1.31	1.37	1.70	1.72	1.75
14040106cp012	UG	1.00	1.01	1.07	1.59	1.72	1.99	2.03	2.14
14040106cp015	UG	1.16	1.22	1.23	1.52	1.55	1.57	1.75	1.81
14040106cp016	UG	0.89	0.93	1.21	1.30	1.41	1.52	1.90	2.09
14040106cp017	UG	0.90	0.90	0.93	1.29	1.45	1.57	1.77	1.86
14040106cp018	UG	0.90	0.90	0.91	1.20	1.28	1.44	1.77	1.80
14040106cp020	UG	0.73	0.73	0.75	0.83	0.85	1.11	1.48	1.50
14040106cp021	UG	0.90	0.96	1.26	1.47	1.63	1.79	2.07	2.16
14040106cp023	UG	0.95	0.95	0.95	1.23	1.32	1.90	1.90	2.13
14040106cp024	UG	0.86	0.88	0.93	1.34	1.41	1.60	1.60	1.77
14040106cp025	UG	0.81	0.83	0.96	1.07	1.32	1.52	1.69	1.80
14040107cp001	UG	0.80	0.80	0.80	0.90	0.91	1.60	1.61	1.64

14040107cp002	UG	0.71	0.71	0.76	0.89	1.00	1.28	1.42	1.47
14040107cp003	UG	0.80	0.81	0.84	1.07	1.10	1.59	1.60	1.75
14040107cp004	UG	0.85	0.85	1.01	1.39	1.50	1.69	1.69	1.74
14040107cp005	UG	0.80	0.82	0.89	1.08	1.22	1.53	1.58	1.66
14040107cp006	UG	0.83	0.85	0.90	1.05	1.26	1.57	1.64	1.64
14040107cp007	UG	0.88	0.88	0.94	1.03	1.30	1.75	1.75	1.76
14040107cp008	UG	1.00	1.00	1.26	1.58	1.83	2.00	2.17	2.27
14040107cp009	UG	1.00	1.00	1.03	1.61	1.69	2.00	2.00	2.00
14040107cp010	UG	0.91	0.91	0.91	1.35	1.39	1.81	1.81	1.81
14040107cp011	UG	0.94	0.94	0.95	1.50	1.56	1.88	1.88	1.96
14040107cp012	UG	1.00	1.00	1.67	2.00	2.00	2.00	2.67	2.67
14040108cp001	UG	0.99	0.99	1.01	1.04	1.41	1.57	1.88	1.93
14040108cp002	UG	0.82	0.82	0.86	0.91	1.03	1.62	1.64	1.64
14040108cp004	UG	0.89	0.89	1.02	1.15	1.22	1.77	1.83	1.90
14050001cp001	YP	0.93	0.96	1.29	1.39	1.74	1.91	1.94	2.21
14050001cp004	YP	0.96	1.27	1.65	1.85	2.08	2.24	2.42	2.78
14050001cp006	YP	0.80	0.80	0.93	1.36	1.55	1.59	1.61	1.77
14050001cp007	YP	0.87	0.88	0.93	1.41	1.53	1.73	1.74	1.86
14050001cp008	YP	0.97	1.04	1.35	1.61	1.77	1.90	2.07	2.39

14050001cp009	YP	1.00	1.00	1.71	1.76	1.93	2.00	2.32	2.32
14050001cp010	YP	1.02	1.33	1.57	1.86	2.08	2.26	2.47	2.66
14050001cp011	YP	1.01	1.04	1.12	1.61	1.84	1.90	2.07	2.31
14050001cp012	YP	1.06	1.27	1.58	1.91	2.07	2.18	2.31	2.47
14050001cp013	YP	1.00	1.08	1.75	1.83	2.00	2.50	2.58	2.88
14050001cp016	YP	1.00	1.03	1.65	1.74	1.99	2.00	2.24	2.31
14050001cp017	YP	1.00	1.02	1.34	1.77	1.91	1.98	2.20	2.25
14050001cp019	YP	1.00	1.32	1.89	1.93	2.00	2.50	2.79	3.00
14050001cp020	YP	0.98	1.07	1.65	1.80	1.99	2.06	2.40	2.64
14050001cp021	YP	1.25	1.34	1.63	1.78	2.00	2.16	2.51	2.83
14050002cp001	YP	0.87	1.00	1.16	1.38	1.59	1.87	1.96	2.13
14050003cp001	YP	1.00	1.00	1.65	1.87	1.99	2.17	2.30	2.56
14050003cp002	YP	1.00	1.00	1.71	1.71	1.92	2.00	2.07	2.11
14050003cp003	YP	1.29	1.44	1.65	1.65	2.00	2.00	2.53	2.53
14050003cp004	YP	1.00	1.36	1.95	1.96	1.99	2.00	2.65	2.67
14050003cp005	YP	1.00	1.05	1.51	1.55	1.67	1.92	2.23	2.25
14050003cp006	YP	1.21	1.38	1.71	2.00	2.00	2.00	2.63	2.67
14050003cp007	YP	1.26	1.32	1.58	1.59	1.86	1.96	2.38	2.39
14050003cp008	YP	0.90	0.90	1.35	1.45	1.68	1.80	1.87	1.89

14050003cp009	YP	0.57	0.57	0.71	0.80	1.02	1.14	1.14	1.28
14050003cp010	YP	0.67	0.67	1.15	1.16	1.34	1.34	1.60	1.74
14050003cp011	YP	1.00	1.00	1.53	1.64	2.00	2.00	2.01	2.05
14050003cp012	YP	1.00	1.00	1.00	1.00	1.08	1.13	1.49	1.65
14050003cp013	YP	0.38	0.42	0.58	0.63	0.75	0.75	0.83	1.00
14050003cp014	YP	0.96	0.96	1.49	1.72	1.80	1.90	2.37	2.43
14050003cp016	YP	0.95	1.00	1.48	1.75	1.84	1.97	2.11	2.40
14050003cp017	YP	1.13	1.21	1.72	1.90	1.96	2.23	2.33	2.66
14050003cp018	YP	0.86	0.86	1.50	1.61	1.71	1.71	2.29	2.32
14050003cp019	YP	1.00	1.00	1.08	1.30	1.72	1.92	1.98	2.08
14050003cp023	YP	1.00	1.00	1.00	1.77	1.77	2.00	2.00	2.00
14050003cp024	YP	1.00	1.00	1.09	1.27	1.82	2.00	2.00	2.00
14050003cp025	YP	1.00	1.00	1.05	1.31	1.63	2.00	2.00	2.00
14050003cp026	YP	1.00	1.00	1.12	1.37	1.71	1.90	2.00	2.20
14050003cp027	YP	1.00	1.01	1.36	1.65	1.77	1.95	2.17	2.34
14050003cp028	YP	0.89	1.24	1.44	1.62	1.85	2.05	2.25	2.50
14050003cp029	YP	0.92	0.97	1.43	1.56	1.83	2.09	2.16	2.54
14050003cp030	YP	0.89	0.93	1.51	1.54	1.78	1.83	2.23	2.50
14050003cp031	YP	1.46	1.52	1.64	1.65	2.00	2.55	2.56	2.88

14050003cp034	YP	1.00	1.00	1.55	1.86	2.00	2.00	2.27	2.50
14050003cp037	YP	1.00	1.00	1.27	1.61	1.91	2.04	2.16	2.38
14050003cp038	YP	1.00	1.00	1.09	1.58	1.89	1.98	1.99	2.15
14050003cp039	YP	1.00	1.00	1.51	1.97	1.97	2.00	2.03	2.03
14050003cp040	YP	1.04	1.31	1.76	1.85	2.00	2.30	2.42	2.87
14050003cp041	YP	1.00	1.00	1.44	1.44	1.67	2.00	2.00	2.00
14050003cp042	YP	1.01	1.14	1.80	1.90	1.98	2.60	2.63	2.87
14050003cp100	YP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14050003cp101	YP	1.00	1.50	1.81	1.81	2.00	2.81	2.81	2.88
14050003cp102	YP	1.00	1.16	1.84	1.87	2.00	2.15	2.34	2.64
14050004cp001	YP	0.87	0.87	0.87	1.03	1.09	1.48	1.75	1.75
14050004cp002	YP	0.90	0.90	1.00	1.29	1.34	1.78	1.80	1.80
14050005cp001	YP	0.90	1.18	1.47	1.61	1.91	2.20	2.33	2.53
14050005cp002	YP	0.98	1.09	1.40	1.53	1.77	2.03	2.22	2.40
14050005cp003	YP	0.84	1.06	1.31	1.38	1.57	1.70	2.00	2.14
14050005cp004	YP	0.89	0.89	1.40	1.65	1.75	1.79	2.05	2.19
14050005cp009	YP	0.96	1.34	1.67	1.80	1.97	2.26	2.50	2.64
14050005cp011	YP	0.86	0.92	1.29	1.56	1.56	1.72	1.82	2.01
14050005cp012	YP	0.95	0.95	0.95	0.96	1.27	1.31	1.63	1.85

14050006cp001	YP	0.95	0.96	1.24	1.34	1.71	1.82	1.95	2.08
14050007cp001	YP	0.71	0.76	0.99	1.19	1.31	1.42	1.56	1.63
14050007cp002	YP	0.86	0.98	1.18	1.55	1.57	1.68	2.02	2.12
14050007cp003	YP	0.98	1.28	1.55	1.65	1.93	2.05	2.39	2.58
14060002cp001	LG	0.95	0.99	1.07	1.28	1.44	1.57	1.82	1.92
14060002cp002	LG	1.00	1.04	1.20	1.36	1.69	1.73	1.78	1.97
14060002cp003	LG	0.78	0.78	0.78	0.97	1.01	1.06	1.40	1.57
14060002cp004	LG	1.08	1.26	1.29	1.46	1.52	1.57	1.84	1.87
14060003cp001	LG	0.88	0.89	0.99	1.40	1.51	1.67	1.81	1.94
14060003cp002	LG	0.44	0.74	0.78	0.89	1.11	1.22	1.22	1.26
14060003cp003	LG	0.77	0.77	0.88	1.03	1.41	1.45	1.50	1.60
14060003cp004	LG	0.91	0.92	0.97	1.20	1.41	1.48	1.59	1.70
14060003cp005	LG	0.81	0.83	0.83	0.86	1.11	1.37	1.57	1.62
14060003cp006	LG	1.02	1.02	1.09	1.63	1.74	1.77	1.99	1.99
14060003cp007	LG	0.90	1.01	1.24	1.34	1.52	1.68	1.84	1.95
14060003cp008	LG	0.97	0.97	1.06	1.38	1.49	1.57	1.72	1.76
14060003cp009	LG	1.15	1.19	1.22	1.26	1.37	1.44	1.51	1.67
14060003cp010	LG	0.67	0.67	0.89	1.07	1.24	1.25	1.40	1.56
14060003cp012	LG	0.90	0.92	0.95	1.10	1.33	1.43	1.54	1.65

14060003cp020	LG	0.95	1.15	1.35	1.50	1.62	1.92	2.07	2.13
14060003cp022	LG	0.82	1.16	1.48	1.58	1.79	2.15	2.20	2.29
14060004cp001	LG	0.84	0.86	1.00	1.08	1.14	1.32	1.52	1.59
14060004cp002	LG	0.75	0.75	0.75	0.76	0.78	0.81	1.09	1.22
14060004cp003	LG	0.91	0.91	0.91	0.91	1.02	1.06	1.11	1.11
14060004cp004	LG	0.93	1.12	1.28	1.42	1.65	1.81	1.98	2.14
14060004cp005	LG	0.93	0.97	1.09	1.35	1.46	1.62	1.72	1.92
14060006cp001	LG	0.87	1.07	1.61	1.64	1.71	1.97	2.30	2.50
14060006cp002	LG	1.00	1.00	1.00	1.58	1.85	1.85	1.85	2.00
14060006cp003	LG	0.85	1.07	1.26	1.40	1.68	1.87	1.97	2.05
14060006cp004	LG	0.81	0.81	0.81	0.88	0.89	1.37	1.51	1.53
14060006cp005	LG	0.95	1.26	1.55	1.64	1.90	1.95	2.13	2.25
14060006cp006	LG	0.78	1.06	1.49	1.50	1.89	2.13	2.19	2.24
14060007cp001	LG	1.04	1.10	1.13	1.32	1.44	1.58	1.62	1.68
14060007cp002	LG	1.01	1.21	1.49	1.64	1.83	2.06	2.25	2.34
14060007cp003	LG	1.09	1.18	1.71	1.81	1.88	2.30	2.40	2.64
14060009cp001	LG	1.02	1.14	1.70	1.84	1.98	2.29	2.45	2.65
14060009cp002	LG	1.00	1.11	1.45	1.96	1.99	2.06	2.24	2.42
14060009cp003	LG	0.89	1.02	1.09	1.20	1.40	1.55	1.70	1.88

14060009cp004	LG	1.00	1.00	1.28	1.84	1.90	1.97	2.17	2.33
14060009cp005	LG	0.97	1.11	1.31	1.59	1.82	1.91	2.02	2.23
14060009cp006	LG	0.92	1.25	1.31	1.52	1.72	2.00	2.10	2.17
14070003cp001	DD	0.58	0.58	0.70	0.83	0.85	0.95	1.10	1.15
14070003cp002	DD	0.82	0.90	1.00	1.03	1.10	1.16	1.42	1.66
14070003cp003	DD	0.75	0.85	0.99	0.99	1.07	1.07	1.40	1.64
14070003cp004	DD	0.74	0.76	0.77	0.87	0.87	0.96	1.16	1.24
14070003cp005	DD	1.41	1.48	1.48	1.49	1.73	1.75	1.98	2.24
14070005cp001	DD	1.46	1.48	1.51	1.54	1.56	1.69	1.73	1.74
14070005cp002	DD	1.56	1.58	1.58	1.68	1.75	1.75	1.98	2.65
14070005cp003	DD	0.72	0.78	1.06	1.17	1.28	1.33	1.50	1.72
14070005cp004	DD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14070005cp005	DD	0.59	0.60	0.68	0.97	1.07	1.15	1.20	1.29
14070005cp006	DD	0.55	0.55	0.86	0.95	1.04	1.13	1.13	1.23
14070005cp007	DD	0.69	0.69	0.74	0.87	0.95	1.26	1.31	1.40
14070005cp008	DD	0.62	0.62	0.69	1.19	1.23	1.23	1.23	1.23
14070005cp009	DD	0.80	0.80	0.93	1.13	1.16	1.45	1.73	1.73
14070005cp011	DD	0.53	0.59	0.72	0.94	1.00	1.00	1.13	1.25
14070005cp012	DD	0.73	0.73	1.00	1.30	1.38	1.57	1.65	1.93

14070005cp013	DD	0.84	0.84	0.93	1.31	1.44	1.68	1.68	1.91
14070005cp015	DD	1.80	1.80	2.00	2.00	2.00	2.00	2.00	2.80
14070005cp016	DD	1.00	1.00	1.25	1.75	2.00	2.00	2.25	2.25
14070005cp017	DD	0.42	0.42	0.42	0.42	0.42	0.58	0.83	0.83
14070005cp019	DD	1.26	1.30	1.64	1.92	1.96	1.96	2.06	2.66
14070005cp020	DD	0.36	0.36	0.36	0.57	0.64	0.64	0.71	0.71