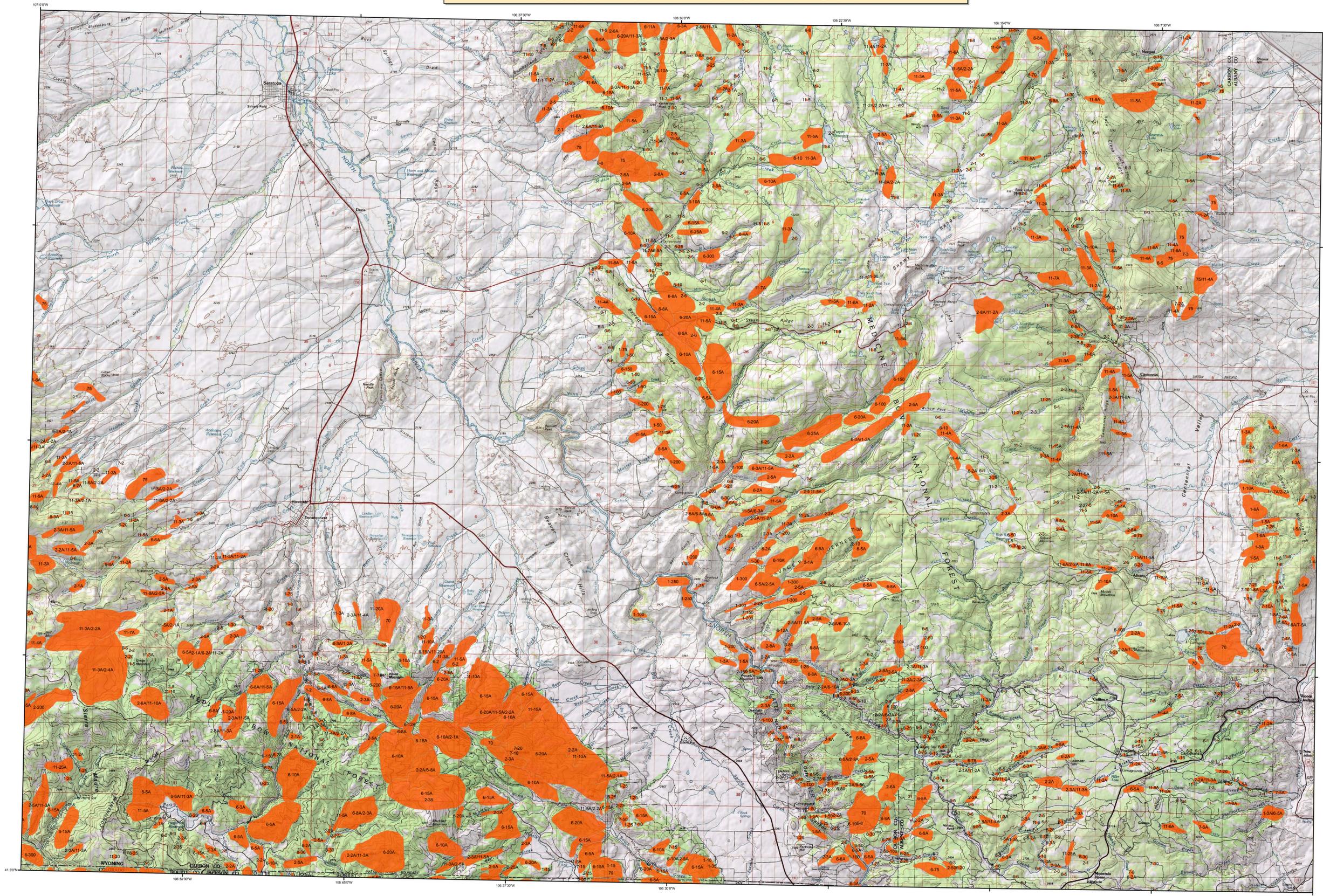


2006 Aerial Insect and Disease Survey Saratoga, Wyoming USGS 100K TOPO! 41106-A1



1:100,000

Legend		Causal Agent(s)	Not Flown in 2006		
Use of the Number System					
Example: 5-25 = The first number before the dash is the causal agent code. The number after the dash is the number of dead "fader" trees in the polygon or point. When recent dead trees are not counted, an intensity code of Light, M-moderate, and H-high may be used after the causal agent code. Periodically, trees per acre estimates are used after the causal agent code instead of number of dead "fader" trees (or an intensity code). For example: 5-10A = The first number before the dash is the causal agent code. The number after the dash is an estimation of the number of dead "fader" trees in the polygon per acre. In this case it would be an average, one tree per every two acres would be a dead "fader" tree. In another example: 5-3A = that on the average, an estimated three trees per acre are dead "fader" trees. A "." is used as a separator when a point polygon has more than one causal agent code.					
Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host
1	Douglas-fir beetle	Douglas-fir	108	Iron-wood "hagling"	Cottonwood/Poplar
2	Engelmann Spruce Beetle	Engelmann Spruce	107	fall webworm	Softwoods
3	Mountain pine beetle	Ponderosa Pine	106	provençal nematode	Scots Pine
4	Mountain pine beetle	Lodgepole Pine	105	oak wilt	Oak
5	Western pine beetle	Ponderosa Pine	111	foliage disease	All Tree Species
6	White Fir	White Fir	112	spine louse	White Spruce
7	Fire Engraver	Douglas-fir	113	anthracnose (leaf blotch)	Bur Oak
8	Douglas-fir engraver beetle	Douglas-fir	114	anthracnose (leaf blotch)	All Tree Species
9	Western balsam bark beetle	Lodgepole Pine	115	Dieback	All Tree Species
10	Unidentified bark beetle	Softwoods	116	Mortality	All Tree Species
11	Pine engraver	Ponderosa Pine	117	Discoloration	All Tree Species
12	Pine engraver	Lodgepole Pine	118	Herbicide	All Tree Species
13	Pine engraver	Ponderosa Pine	119	Quaking Aspen	Quaking Aspen
14	Pine engraver	Ponderosa Pine	120	aspen tortrix	Quaking Aspen
15	Ponderosa pine needle miner	Ponderosa Pine	121	Marasmius Blight	Ash
16	Ponderosa pine needle miner	Ponderosa Pine	200	Dieback (ash)	Cottonwood/Poplar
17	Jack pine budworm	Jack Pine	201	Dieback (cottonwood)	Hardwoods
18	Spruce budworm, light defol.	Douglas-fir	202	Dieback (hardwood)	Oak
19	Spruce budworm, medium defol.	Douglas-fir	203	Dieback (oak)	Cottonwood/Poplar
20	Spruce budworm, heavy defol.	Douglas-fir	204	Mortality (red cottonwood)	Hardwoods
21	Douglas-fir tussock moth	Douglas-fir	205	Mortality (eastern cedar)	Hardwoods
22	Pine butterfly	Ponderosa Pine	206	Mortality (oak)	Oak
23	Pine looper	Ponderosa Pine	207	Mortality (western cedar)	Eastern Red Cedar
24	Pine tortrix	Ponderosa Pine	208	Mortality (spruce)	Spruce
25	Tart caterpillars	Softwoods	209	Discoloration (aspen)	Ash
26	Leaf beetles	Hardwoods	210	Discoloration (cottonwood)	Softwoods
27	Oak leaf miner	Hardwoods	211	Discoloration (redwood)	Softwoods
28	Pine needle-shaft miner	Ponderosa Pine	212	Discoloration (eastern cedar)	Eastern Red Cedar
29	Pine sawflies	Ponderosa Pine	213	Discoloration (hardwood)	Hardwoods
30	Pine sawfly moth	Ponderosa Pine	214	Discoloration (oak)	Oak
31	Variable oak leaf caterpillar	Hardwoods	215	Discoloration (spruce)	Spruce
32	Cankworms	Hardwoods	216	Discoloration (poplar)	Cottonwood/Poplar
33	Unidentified defoliator	All Tree Species	217	Discoloration (cedar)	Eastern Red Cedar
34	Heteroecium anisum (Fomes anisum)	Softwoods	218	Discoloration (eastern cedar)	Eastern Red Cedar
35	Amelara corymb (Amelara mekka)	Softwoods	219	Discoloration (oak)	Oak
36	Phytophthora schweinitzii	Softwoods	220	Discoloration (spruce)	Spruce
37	Phytophthora	All Tree Species	221	Discoloration (poplar)	Cottonwood/Poplar
38	Cytospora	All Tree Species	222	Discoloration (cedar)	Eastern Red Cedar
39	Western gall rust	Unknown	223	Discoloration (oak)	Oak
40	San Jose scale	Lodgepole Pine	224	Discoloration (cedar)	Eastern Red Cedar
41	Stinkhorn rust	Lodgepole Pine	225	Discoloration (oak)	Oak
42	Stinkhorn rust	Lodgepole Pine	226	Discoloration (spruce)	Spruce
43	Stinkhorn rust	Lodgepole Pine	227	Discoloration (poplar)	Cottonwood/Poplar
44	Stinkhorn rust	Lodgepole Pine	228	Discoloration (cedar)	Eastern Red Cedar
45	Stinkhorn rust	Lodgepole Pine	229	Discoloration (oak)	Oak
46	Stinkhorn rust	Lodgepole Pine	230	Discoloration (spruce)	Spruce
47	Stinkhorn rust	Lodgepole Pine	231	Discoloration (poplar)	Cottonwood/Poplar
48	Stinkhorn rust	Lodgepole Pine	232	Discoloration (cedar)	Eastern Red Cedar
49	Stinkhorn rust	Lodgepole Pine	233	Discoloration (oak)	Oak
50	Stinkhorn rust	Lodgepole Pine	234	Discoloration (spruce)	Spruce
51	Stinkhorn rust	Lodgepole Pine	235	Discoloration (poplar)	Cottonwood/Poplar
52	Stinkhorn rust	Lodgepole Pine	236	Discoloration (cedar)	Eastern Red Cedar
53	Stinkhorn rust	Lodgepole Pine	237	Discoloration (oak)	Oak
54	Stinkhorn rust	Lodgepole Pine	238	Discoloration (spruce)	Spruce
55	Stinkhorn rust	Lodgepole Pine	239	Discoloration (poplar)	Cottonwood/Poplar
56	Stinkhorn rust	Lodgepole Pine	240	Discoloration (cedar)	Eastern Red Cedar
57	Stinkhorn rust	Lodgepole Pine	241	Discoloration (oak)	Oak
58	Stinkhorn rust	Lodgepole Pine	242	Discoloration (spruce)	Spruce
59	Stinkhorn rust	Lodgepole Pine	243	Discoloration (poplar)	Cottonwood/Poplar
60	Stinkhorn rust	Lodgepole Pine	244	Discoloration (cedar)	Eastern Red Cedar
61	Stinkhorn rust	Lodgepole Pine	245	Discoloration (oak)	Oak
62	Stinkhorn rust	Lodgepole Pine	246	Discoloration (spruce)	Spruce
63	Stinkhorn rust	Lodgepole Pine	247	Discoloration (poplar)	Cottonwood/Poplar
64	Stinkhorn rust	Lodgepole Pine	248	Discoloration (cedar)	Eastern Red Cedar
65	Stinkhorn rust	Lodgepole Pine	249	Discoloration (oak)	Oak
66	Stinkhorn rust	Lodgepole Pine	250	Discoloration (spruce)	Spruce
67	Stinkhorn rust	Lodgepole Pine	251	Discoloration (poplar)	Cottonwood/Poplar
68	Stinkhorn rust	Lodgepole Pine	252	Discoloration (cedar)	Eastern Red Cedar
69	Stinkhorn rust	Lodgepole Pine	253	Discoloration (oak)	Oak
70	Stinkhorn rust	Lodgepole Pine	254	Discoloration (spruce)	Spruce
71	Stinkhorn rust	Lodgepole Pine	255	Discoloration (poplar)	Cottonwood/Poplar
72	Stinkhorn rust	Lodgepole Pine	256	Discoloration (cedar)	Eastern Red Cedar
73	Stinkhorn rust	Lodgepole Pine	257	Discoloration (oak)	Oak
74	Stinkhorn rust	Lodgepole Pine	258	Discoloration (spruce)	Spruce
75	Stinkhorn rust	Lodgepole Pine	259	Discoloration (poplar)	Cottonwood/Poplar
76	Stinkhorn rust	Lodgepole Pine	260	Discoloration (cedar)	Eastern Red Cedar
77	Stinkhorn rust	Lodgepole Pine	261	Discoloration (oak)	Oak
78	Stinkhorn rust	Lodgepole Pine	262	Discoloration (spruce)	Spruce
79	Stinkhorn rust	Lodgepole Pine	263	Discoloration (poplar)	Cottonwood/Poplar
80	Stinkhorn rust	Lodgepole Pine	264	Discoloration (cedar)	Eastern Red Cedar
81	Stinkhorn rust	Lodgepole Pine	265	Discoloration (oak)	Oak
82	Stinkhorn rust	Lodgepole Pine	266	Discoloration (spruce)	Spruce
83	Stinkhorn rust	Lodgepole Pine	267	Discoloration (poplar)	Cottonwood/Poplar
84	Stinkhorn rust	Lodgepole Pine	268	Discoloration (cedar)	Eastern Red Cedar
85	Stinkhorn rust	Lodgepole Pine	269	Discoloration (oak)	Oak
86	Stinkhorn rust	Lodgepole Pine	270	Discoloration (spruce)	Spruce
87	Stinkhorn rust	Lodgepole Pine	271	Discoloration (poplar)	Cottonwood/Poplar
88	Stinkhorn rust	Lodgepole Pine	272	Discoloration (cedar)	Eastern Red Cedar
89	Stinkhorn rust	Lodgepole Pine	273	Discoloration (oak)	Oak
90	Stinkhorn rust	Lodgepole Pine	274	Discoloration (spruce)	Spruce
91	Stinkhorn rust	Lodgepole Pine	275	Discoloration (poplar)	Cottonwood/Poplar
92	Stinkhorn rust	Lodgepole Pine	276	Discoloration (cedar)	Eastern Red Cedar
93	Stinkhorn rust	Lodgepole Pine	277	Discoloration (oak)	Oak
94	Stinkhorn rust	Lodgepole Pine	278	Discoloration (spruce)	Spruce
95	Stinkhorn rust	Lodgepole Pine	279	Discoloration (poplar)	Cottonwood/Poplar
96	Stinkhorn rust	Lodgepole Pine	280	Discoloration (cedar)	Eastern Red Cedar
97	Stinkhorn rust	Lodgepole Pine	281	Discoloration (oak)	Oak
98	Stinkhorn rust	Lodgepole Pine	282	Discoloration (spruce)	Spruce
99	Stinkhorn rust	Lodgepole Pine	283	Discoloration (poplar)	Cottonwood/Poplar
100	Stinkhorn rust	Lodgepole Pine	284	Discoloration (cedar)	Eastern Red Cedar
101	Stinkhorn rust	Lodgepole Pine	285	Discoloration (oak)	Oak
102	Stinkhorn rust	Lodgepole Pine	286	Discoloration (spruce)	Spruce
103	Stinkhorn rust	Lodgepole Pine	287	Discoloration (poplar)	Cottonwood/Poplar
104	Stinkhorn rust	Lodgepole Pine	288	Discoloration (cedar)	Eastern Red Cedar
105	Stinkhorn rust	Lodgepole Pine	289	Discoloration (oak)	Oak
106	Stinkhorn rust	Lodgepole Pine	290	Discoloration (spruce)	Spruce
107	Stinkhorn rust	Lodgepole Pine	291	Discoloration (poplar)	Cottonwood/Poplar
108	Stinkhorn rust	Lodgepole Pine	292	Discoloration (cedar)	Eastern Red Cedar
109	Stinkhorn rust	Lodgepole Pine	293	Discoloration (oak)	Oak
110	Stinkhorn rust	Lodgepole Pine	294	Discoloration (spruce)	Spruce
111	Stinkhorn rust	Lodgepole Pine	295	Discoloration (poplar)	Cottonwood/Poplar
112	Stinkhorn rust	Lodgepole Pine	296	Discoloration (cedar)	Eastern Red Cedar
113	Stinkhorn rust	Lodgepole Pine	297	Discoloration (oak)	Oak
114	Stinkhorn rust	Lodgepole Pine	298	Discoloration (spruce)	Spruce
115	Stinkhorn rust	Lodgepole Pine	299	Discoloration (poplar)	Cottonwood/Poplar
116	Stinkhorn rust	Lodgepole Pine	300	Discoloration (cedar)	Eastern Red Cedar
117	Stinkhorn rust	Lodgepole Pine	301	Discoloration (oak)	Oak
118	Stinkhorn rust	Lodgepole Pine	302	Discoloration (spruce)	Spruce
119	Stinkhorn rust	Lodgepole Pine	303	Discoloration (poplar)	Cottonwood/Poplar
120	Stinkhorn rust	Lodgepole Pine	304	Discoloration (cedar)	Eastern Red Cedar
121	Stinkhorn rust	Lodgepole Pine	305	Discoloration (oak)	Oak
122	Stinkhorn rust	Lodgepole Pine	306	Discoloration (spruce)	Spruce
123	Stinkhorn rust	Lodgepole Pine	307	Discoloration (poplar)	Cottonwood/Poplar
124	Stinkhorn rust	Lodgepole Pine	308	Discoloration (cedar)	Eastern Red Cedar
125	Stinkhorn rust	Lodgepole Pine	309	Discoloration (oak)	Oak
126	Stinkhorn rust	Lodgepole Pine	310	Discoloration (spruce)	Spruce
127	Stinkhorn rust	Lodgepole Pine	311	Discoloration (poplar)	Cottonwood/Poplar
128	Stinkhorn rust	Lodgepole Pine	312	Discoloration (cedar)	Eastern Red Cedar
129	Stinkhorn rust	Lodgepole Pine	313	Discoloration (oak)	Oak
130	Stinkhorn rust	Lodgepole Pine	314	Discoloration (spruce)	Spruce
131	Stinkhorn rust	Lodgepole Pine	315	Discoloration (poplar)	Cottonwood/Poplar
132	Stinkhorn rust	Lodgepole Pine	316	Discoloration (cedar)	Eastern Red Cedar
133	Stinkhorn rust	Lodgepole Pine	317	Discoloration (oak)	Oak
134	Stinkhorn rust	Lodgepole Pine	318	Discoloration (spruce)	Spruce
135	Stinkhorn rust	Lodgepole Pine	319	Discoloration (poplar)	Cottonwood/Poplar
136	Stinkhorn rust	Lodgepole Pine	320	Discoloration (cedar)	Eastern Red Cedar
137	Stinkhorn rust	Lodgepole Pine	321	Discoloration (oak)	Oak
138	Stinkhorn rust	Lodgepole Pine	322	Discoloration (spruce)	Spruce
139	Stinkhorn rust	Lodgepole Pine	323	Discoloration (poplar)	Cottonwood/Poplar
140	Stinkhorn rust	Lodgepole Pine	324	Discoloration (cedar)	Eastern Red Cedar
141	Stinkhorn rust	Lodgepole Pine	325	Discoloration (oak)	Oak
142	Stinkhorn rust	Lodgepole Pine	326	Discoloration (spruce)	Spruce
143	Stinkhorn rust	Lodgepole Pine	327	Discoloration (poplar)	Cottonwood/Poplar
144	Stinkhorn rust	Lodgepole Pine	328	Discoloration (cedar)	Eastern Red Cedar
145	Stinkhorn rust	Lodgepole Pine	329	Discoloration (oak)	Oak
146	Stinkhorn rust	Lodgepole Pine	330	Discoloration (spruce)	Spruce
147	Stinkhorn rust	Lodgepole Pine	331	Discoloration (poplar)	Cottonwood/Poplar
148	Stinkhorn rust	Lodgepole Pine	332	Discoloration (cedar)	Eastern Red Cedar
149	Stinkhorn rust	Lodgepole Pine	333	Discoloration (oak)	Oak
150	Stinkhorn rust	Lodgepole Pine	334	Discoloration (spruce)	Spruce
151	Stinkhorn rust	Lodgepole Pine	335	Discoloration (poplar)	Cottonwood/Poplar
152	Stinkhorn rust	Lodgepole Pine	336	Discoloration (cedar)	Eastern Red Cedar
153	Stinkhorn rust	Lodgepole Pine	337	Discoloration (oak)	Oak
154	Stinkhorn rust	Lodgepole Pine	338	Discoloration (spruce)	Spruce
155	Stinkhorn rust	Lodgepole Pine	339	Discoloration (poplar)	Cottonwood/Poplar
156	Stinkhorn rust	Lodgepole Pine	340	Discoloration (cedar)	Eastern Red Cedar
157	Stinkhorn rust	Lodgepole Pine	341	Discoloration (oak)	Oak
158	Stinkhorn rust	Lodgepole Pine	342	Discoloration (spruce)	Spruce
159	Stinkhorn rust	Lodgepole Pine	343	Discoloration (poplar)	Cottonwood/Poplar
160	Stinkhorn rust	Lodgepole Pine	344	Discoloration (cedar)	Eastern Red Cedar
161	Stinkhorn rust	Lodgepole Pine	345	Discoloration (oak)	Oak
162	Stinkhorn rust	Lodgepole Pine	346	Discoloration (spruce)	Spruce
163	Stinkhorn rust	Lodgepole Pine	347	Discoloration (poplar)	Cottonwood/Poplar
164	Stinkhorn rust	Lodgepole Pine	348	Discoloration (cedar)	Eastern Red Cedar
165	Stinkhorn rust	Lodgepole Pine	349	Discoloration (oak)	Oak
166	Stinkhorn rust	Lodgepole Pine	350	Discoloration (spruce)	Spruce
167	Stinkhorn rust	Lodgepole Pine	351	Discoloration (poplar)	Cottonwood/Poplar
168	Stinkhorn rust	Lodgepole Pine	352	Discoloration (cedar)	Eastern Red Cedar
169	Stinkhorn rust	Lodgepole Pine	353	Discoloration (oak)	Oak
170	Stinkhorn rust	Lodgepole Pine	354	Discoloration (spruce)	Spruce
171	Stinkhorn rust	Lodgepole Pine	355	Discoloration (poplar)	Cottonwood/Poplar
172	Stinkhorn rust	Lodgepole Pine	356	Discoloration (cedar)	Eastern Red Cedar
173	Stinkhorn rust	Lodgepole Pine	357	Discoloration (oak)	Oak
174	Stinkhorn rust	Lodgepole Pine	358	Discoloration (spruce)	Spruce
175	Stinkhorn rust	Lodgepole Pine	359	Discoloration (poplar)	Cottonwood/Poplar
176	Stinkhorn rust	Lodgepole Pine	360	Discoloration (cedar)	Eastern Red Cedar
177	Stinkhorn rust	Lodgepole Pine	361	Discoloration (oak)	Oak
178	Stinkhorn rust	Lodgepole Pine	362	Discoloration (spruce)	Spruce
179	Stinkhorn rust	Lodgepole Pine	363	Discoloration (poplar)	Cottonwood/Poplar
180	Stinkhorn rust	Lodgepole Pine	364	Discoloration (cedar)	Eastern Red Cedar
181	Stinkhorn rust	Lodgepole Pine	365	Discoloration (oak)	Oak
182	Stinkhorn rust	Lodgepole Pine	366	Discoloration (spruce)	Spruce
183	Stinkhorn rust	Lodgepole Pine	367	Discoloration (poplar)	Cottonwood/Poplar
184	Stinkhorn rust				