FIA Data Review

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9/13/2020

Observing Unique Species

YPMC Conifer species we are focusing on for our GP:

Scientific Name	Common Name	Code
Pinus ponderosa	Ponderosa pine	PIPO
Pinus jeffreyi	Jeffery pine	PIJE
Pinus lambertiana	Sugar pine	PILA
Abies concolor	White fir	ABCO
Calocedrus decurrens	Incense cedar	CADE
Pinus contorta ssp. murrayana	Lodgepole pine	PICO/PICOM

Affiliate species that we may consider:

| Scientific Name	Common Name	Code
Pinus coulteri	Coulter pine	PICO3
Pseudotsuga macrocarpa	Big cone douglas fir	PSMA
Quercus kelloggii	California black oak	QUKE
Quercus chrysolepis	Canyon live oak	QUCH

Tree Size Classes

Diameter base height in cm; classes determined from Figure 19 (pg 106 hard-copy and 116 digital) in Safford and Stevens 2017

Use variable DBHI and convert from inches to cm

- 5 - 20 cm
- 20 - 40 cm
- 40 - 60 cm
- 60 - 80 cm
- 80 - 100 cm
- 100 - 120 cm
- 120 - 140 cm
- > 140 cm

ANF Data Analysis

ANF Data Collection Dates
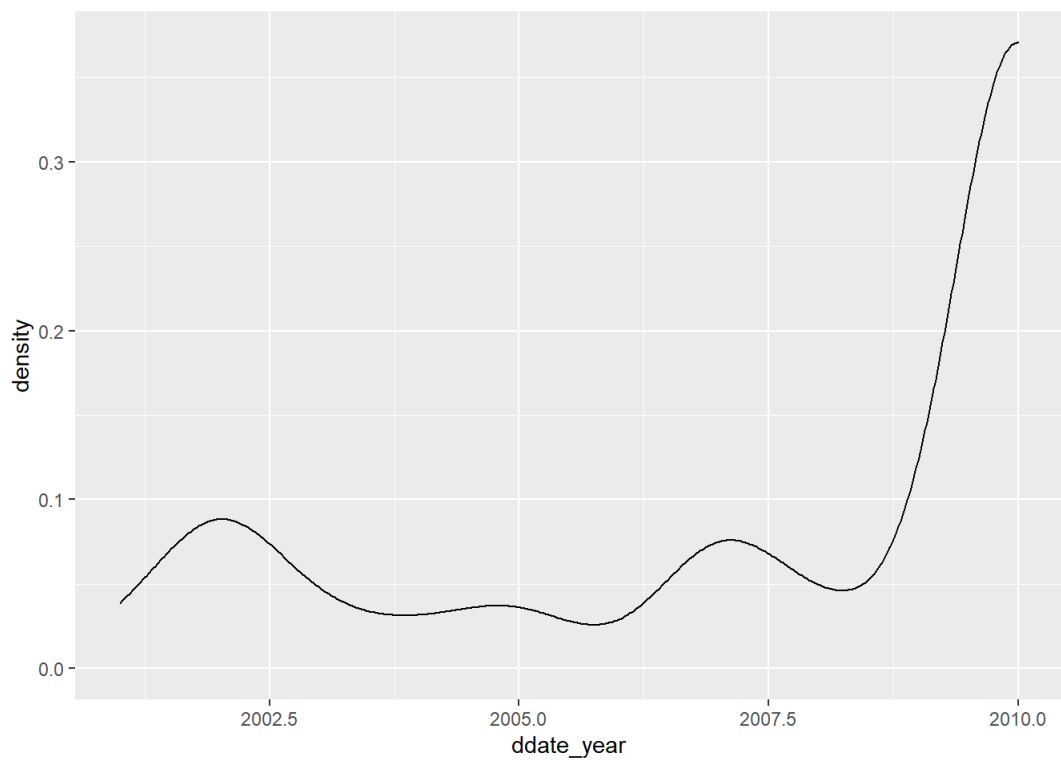
ANF Conifer Count

species	n
ABCO	108
CADE27	21
PICO3	10
PIJE	152
PILA	59
PIPO	2
PSMA	90
QUCH2	607
QUKE	1

ANF Trees per Plot

plot	species	species_n	total_n	pct
001	ABCO	17	51	33.33
001	PIJE	1	51	1.96
001	PILA	33	51	64.71
010	QUCH2	7	7	100.00
013	PSMA	2	7	28.57
013	QUCH2	5	7	71.43
014	QUCH2	10	10	100.00
017	PSMA	10	17	58.82

plot	species	species_n	total_n	pct
017	QUCH2	7	17	41.18
018	ABCO	1	8	12.50
018	CADE27	2	8	25.00
018	PIJE	5	8	62.50
019	QUCH2	25	25	100.00
020	CADE27	1	2	50.00
020	QUCH2	1	2	50.00
024	QUCH2	15	15	100.00
030	PICO3	1	44	2.27
030	PSMA	10	44	22.73
030	QUCH2	33	44	75.00
033	PIJE	7	8	87.50
033	PILA	1	8	12.50
034	ABCO	1	62	1.61
034	PIJE	12	62	19.35
034	PILA	3	62	4.84
034	QUCH2	46	62	74.19
040	PICO3	1	1	100.00
041	PIJE	2	19	10.53
041	QUCH2	17	19	89.47
043	QUCH2	3	3	100.00
044	PSMA	3	8	37.50
044	QUCH2	5	8	62.50
052	PICO3	1	8	12.50
052	PIPO	1	8	12.50
052	QUCH2	6	8	75.00
076	QUCH2	53	53	100.00
077	QUCH2	9	9	100.00
081	QUCH2	21	22	95.45
081	QUKE	1	22	4.55
101	QUCH2	2	2	100.00
104	QUCH2	1	1	100.00
105	PIJE	3	32	9.38
105	PSMA	11	32	34.38

plot	species	species_n	total_n	pct
105	QUCH2	18	32	56.25
106	ABCO	22	28	78.57
106	PIJE	6	28	21.43
110	QUCH2	5	5	100.00
114	PIJE	2	3	66.67
114	QUCH2	1	3	33.33
115	QUCH2	25	25	100.00
116	PICO3	3	7	42.86
116	QUCH2	4	7	57.14
118	PSMA	3	4	75.00
118	QUCH2	1	4	25.00
119	ABCO	1	14	7.14
119	PIJE	13	14	92.86
121	PIJE	21	21	100.00
124	ABCO	2	12	16.67
124	PIJE	9	12	75.00
124	PILA	1	12	8.33
125	ABCO	1	27	3.70
125	PIJE	1	27	3.70
125	PILA	6	27	22.22
125	PSMA	12	27	44.44
125	QUCH2	7	27	25.93
126	ABCO	3	39	7.69
126	PILA	1	39	2.56
126	PIPO	1	39	2.56
126	QUCH2	34	39	87.18
128	ABCO	3	5	60.00
128	PILA	2	5	40.00
129	PSMA	6	7	85.71
129	QUCH2	1	7	14.29
131	ABCO	8	21	38.10
131	CADE27	2	21	9.52
131	PIJE	1	21	4.76

plot	species	species_n	total_n	pct
131	PILA	4	21	19.05
131	QUCH2	6	21	28.57
134	PSMA	1	7	14.29
134	QUCH2	6	7	85.71
136	PSMA	1	3	33.33
136	QUCH2	2	3	66.67
142	PSMA	1	2	50.00
142	QUCH2	1	2	50.00
146	QUCH2	8	8	100.00
148	QUCH2	5	5	100.00
152	ABCO	24	27	88.89
152	PIJE	3	27	11.11
153	ABCO	4	53	7.55
153	CADE27	13	53	24.53
153	PILA	4	53	7.55
153	PSMA	9	53	16.98
153	QUCH2	23	53	43.40
154	PIJE	11	53	20.75
154	QUCH2	42	53	79.25
157	QUCH2	13	13	100.00
158	PICO3	4	18	22.22
158	PIJE	11	18	61.11
158	QUCH2	3	18	16.67
166	QUCH2	18	18	100.00
167	QUCH2	1	1	100.00
169	QUCH2	1	1	100.00
172	QUCH2	10	10	100.00
173	ABCO	1	20	5.00
173	CADE27	2	20	10.00
173	PILA	1	20	5.00
173	PSMA	13	20	65.00
173	QUCH2	3	20	15.00
175	QUCH2	9	9	100.00
176	QUCH2	5	5	100.00

plot	species	species_n	total_n	pct
177	QUCH2	6	6	100.00
183	ABCO	5	12	41.67
183	PIJE	4	12	33.33
183	PILA	3	12	25.00
185	QUCH2	5	5	100.00
187	QUCH2	4	4	100.00
189	PSMA	1	5	20.00
189	QUCH2	4	5	80.00
192	ABCO	8	9	88.89
192	PIJE	1	9	11.11
194	QUCH2	20	20	100.00
195	PSMA	6	30	20.00
195	QUCH2	24	30	80.00
196	PIJE	19	19	100.00
197	ABCO	7	28	25.00
197	CADE27	1	28	3.57
197	PIJE	20	28	71.43
200	QUCH2	10	10	100.00
606	QUCH2	8	8	100.00
607	QUCH2	6	6	100.00
613	QUCH2	2	2	100.00
615	PSMA	1	1	100.00

ANF Tree Size Class

Size Class (cm)	Count
0-5	2
5-20	5
20-40	10
40-60	8
60-80	24
80-100	14
100-120	5
120-140	1

Size Class (cm)	Species	Count
0-5	PIJE	2
5-20	ABCO	2
5-20	PIJE	2
5-20	PILA	1
20-40	ABCO	3
20-40	PIJE	6
20-40	PILA	1
40-60	ABCO	3
40-60	PIJE	5
60-80	ABCO	11
60-80	PIJE	9
60-80	PILA	4
80-100	ABCO	1
80-100	CADE27	1
80-100	PIJE	6
80-100	PILA	6
100-120	ABCO	1
100-120	CADE27	1
100-120	PIJE	2
100-120	PILA	1
120-140	PIJE	1

CNF Data Analysis

CNF Data Collection Dates
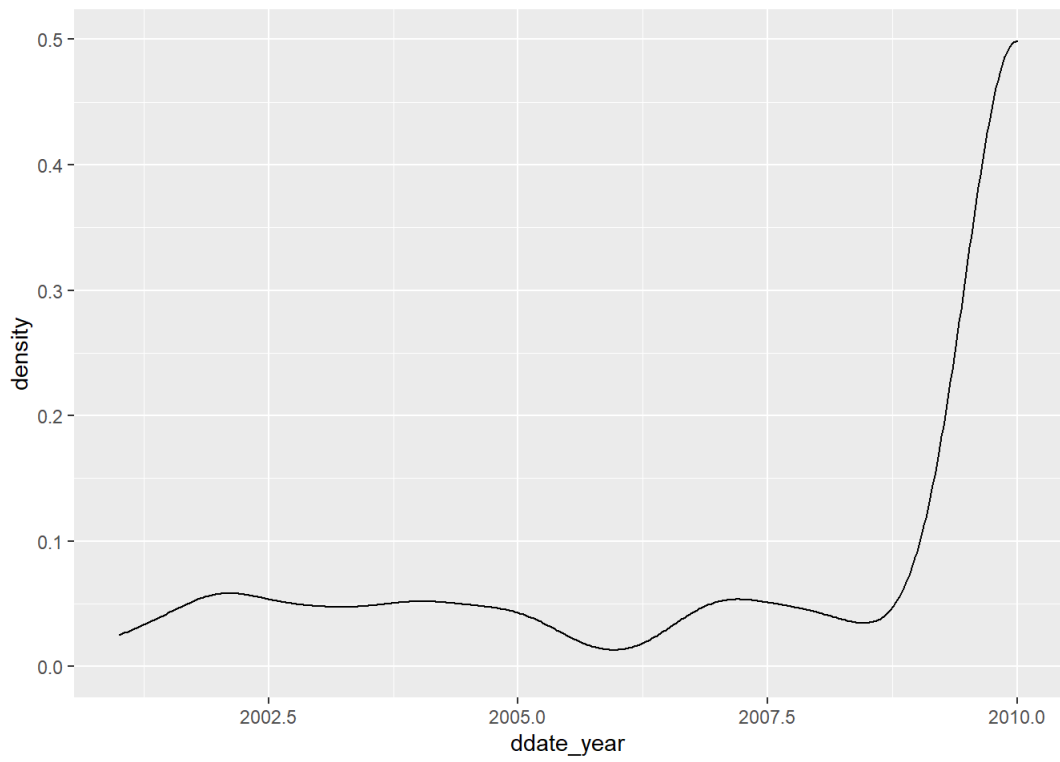
CNF Conifer Count

species	n
ABCO	1
CADE27	6
PICO3	13
PIJE	41
PSMA	19
QUCH2	220
QUKE	53

CNF Trees per Plot

plot	species	species_n	total_n	pct
006	QUCH2	2	2	100.00
041	QUCH2	3	3	100.00
057	PICO3	1	7	14.29
057	QUCH2	6	7	85.71
062	QUCH2	11	11	100.00
064	QUCH2	46	46	100.00
065	QUCH2	26	36	72.22
065	QUKE	10	36	27.78
067	QUCH2	1	1	100.00
069	PSMA	9	15	60.00

plot	species	species_n	total_n	pct
069	QUCH2	6	15	40.00
070	QUCH2	19	19	100.00
073	CADE27	1	9	11.11
073	PICO3	3	9	33.33
073	QUCH2	2	9	22.22
073	QUKE	3	9	33.33
074	QUCH2	3	3	100.00
075	PICO3	6	23	26.09
075	PSMA	1	23	4.35
075	QUCH2	14	23	60.87
075	QUKE	2	23	8.70
085	ABCO	1	21	4.76
085	CADE27	4	21	19.05
085	PICO3	1	21	4.76
085	QUCH2	2	21	9.52
085	QUKE	13	21	61.90
086	CADE27	1	17	5.88
086	PICO3	1	17	5.88
086	PIJE	4	17	23.53
086	QUCH2	3	17	17.65
086	QUKE	8	17	47.06
090	PIJE	12	14	85.71
090	QUKE	2	14	14.29
091	PICO3	1	5	20.00
091	QUKE	4	5	80.00
100	QUCH2	10	10	100.00
110	PSMA	1	23	4.35
110	QUCH2	22	23	95.65
113	PIJE	13	22	59.09
113	QUCH2	6	22	27.27
113	QUKE	3	22	13.64
120	PSMA	5	36	13.89
120	QUCH2	31	36	86.11
122	PSMA	3	6	50.00

plot	species	species_n	total_n	pct
122	QUCH2	3	6	50.00
128	PIJE	12	20	60.00
128	QUKE	8	20	40.00
604	QUCH2	4	4	100.00

CNF by Tree size class

Size Class (cm)	Count
5-20	1
20-40	5
40-60	2
60-80	1
80-100	1

Size Class (cm)	Species	Count
5-20	PIJE	1
20-40	CADE27	1
20-40	PIJE	4
40-60	PIJE	2
60-80	PIJE	1
80-100	PIJE	1

LPF Data Analysis

LPF Data Collection Dates
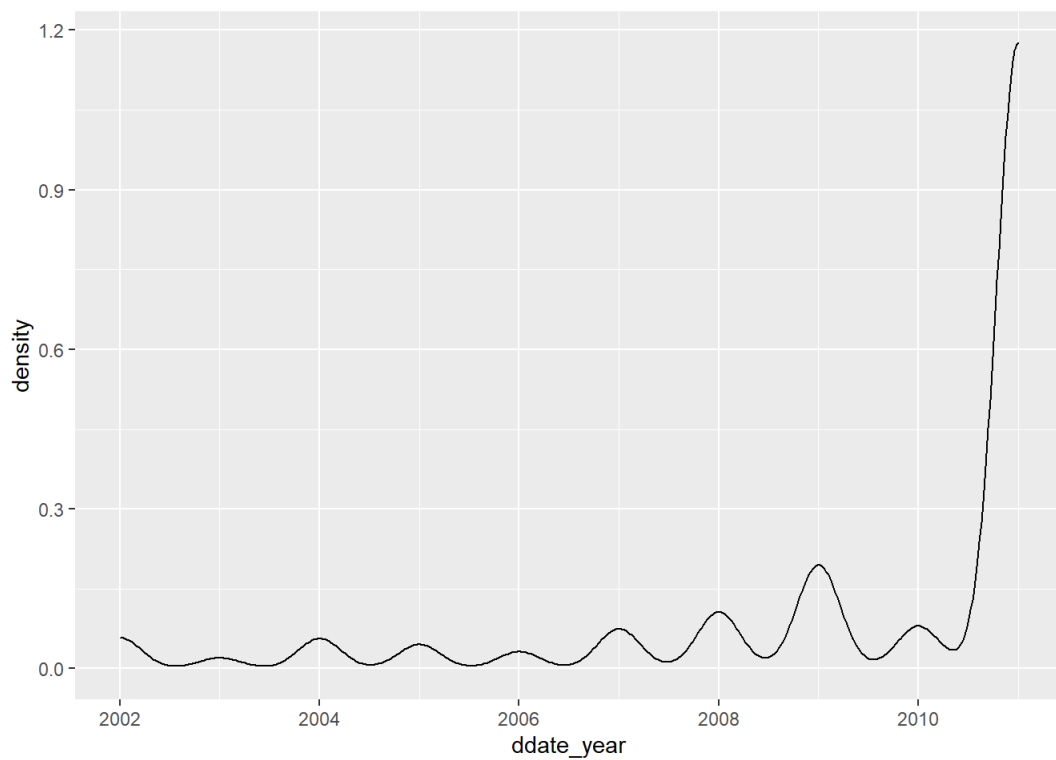
LPF Conifer Count

species	n
ABCO	135
CADE27	32
PICO3	80
PIJE	548
PILA	73
PIPO	23
PSMA	243
QUCH2	2523
QUKE	84

LPF Trees per Plot

plot	species	species_n	total_n	pct
3	PIPO	1	49	2.04
3	QUCH2	48	49	97.96
9	QUCH2	14	14	100.00
10	QUCH2	4	4	100.00
15	QUCH2	1	2	50.00
15	QUKE	1	2	50.00
26	QUCH2	4	4	100.00
30	QUCH2	1	1	100.00

plot	species	species_n	total_n	pct
33	QUCH2	65	65	100.00
34	PICO3	1	3	33.33
34	QUCH2	2	3	66.67
36	PICO3	5	5	100.00
39	PICO3	3	3	100.00
41	QUCH2	1	1	100.00
74	PICO3	1	8	12.50
74	QUCH2	7	8	87.50
108	PIJE	39	39	100.00
109	QUCH2	1	1	100.00
115	PSMA	10	45	22.22
115	QUCH2	35	45	77.78
116	QUCH2	12	12	100.00
117	QUCH2	4	4	100.00
118	QUCH2	18	18	100.00
134	PSMA	1	7	14.29
134	QUCH2	6	7	85.71
136	PICO3	4	32	12.50
136	QUCH2	28	32	87.50
137	PICO3	22	25	88.00
137	QUCH2	3	25	12.00
138	PICO3	2	8	25.00
138	PILA	1	8	12.50
138	QUCH2	5	8	62.50
139	QUCH2	18	18	100.00
142	PICO3	7	12	58.33
142	QUCH2	5	12	41.67
145	PIJE	5	41	12.20
145	QUCH2	22	41	53.66
145	QUKE	14	41	34.15
147	QUCH2	7	7	100.00
148	PIJE	1	11	9.09
148	QUCH2	10	11	90.91
149	PILA	1	12	8.33

plot	species	species_n	total_n	pct
149	PSMA	1	12	8.33
149	QUCH2	10	12	83.33
153	QUCH2	45	45	100.00
159	QUCH2	40	40	100.00
162	PSMA	9	34	26.47
162	QUCH2	25	34	73.53
163	PSMA	5	14	35.71
163	QUCH2	9	14	64.29
164	PIJE	2	5	40.00
164	PILA	1	5	20.00
164	PSMA	2	5	40.00
165	PIJE	14	15	93.33
165	QUCH2	1	15	6.67
167	PSMA	1	1	100.00
169	PIJE	1	1	100.00
171	PSMA	3	5	60.00
171	QUCH2	2	5	40.00
186	QUCH2	36	36	100.00
213	QUCH2	1	1	100.00
232	ABCO	2	23	8.70
232	PIJE	1	23	4.35
232	QUCH2	20	23	86.96
233	QUCH2	15	15	100.00
234	PIJE	1	14	7.14
234	QUCH2	13	14	92.86
235	ABCO	11	16	68.75
235	PIJE	5	16	31.25
236	ABCO	2	31	6.45
236	PIJE	2	31	6.45
236	PILA	2	31	6.45
236	QUCH2	25	31	80.65
237	PIJE	32	32	100.00
238	QUCH2	1	1	100.00

plot	species	species_n	total_n	pct
239	PSMA	6	19	31.58
239	QUCH2	13	19	68.42
240	QUCH2	15	15	100.00
242	QUKE	6	6	100.00
243	QUCH2	10	14	71.43
243	QUKE	4	14	28.57
245	PIPO	1	16	6.25
245	QUKE	15	16	93.75
248	PIPO	9	11	81.82
248	QUCH2	2	11	18.18
251	CADE27	1	17	5.88
251	QUCH2	16	17	94.12
252	QUCH2	4	4	100.00
254	QUCH2	14	14	100.00
259	QUCH2	2	2	100.00
260	QUCH2	11	11	100.00
262	QUCH2	3	3	100.00
270	PICO3	3	3	100.00
273	PICO3	3	30	10.00
273	QUCH2	27	30	90.00
275	PSMA	21	48	43.75
275	QUCH2	27	48	56.25
276	PSMA	3	20	15.00
276	QUCH2	17	20	85.00
277	PSMA	15	25	60.00
277	QUCH2	10	25	40.00
278	PIJE	3	4	75.00
278	QUCH2	1	4	25.00
279	PSMA	9	28	32.14
279	QUCH2	19	28	67.86
280	ABCO	2	65	3.08
280	PIJE	2	65	3.08
280	QUCH2	61	65	93.85
281	ABCO	4	41	9.76

plot	species	species_n	total_n	pct
281	PIJE	2	41	4.88
281	PILA	3	41	7.32
281	QUCH2	32	41	78.05
282	QUCH2	54	54	100.00
283	ABCO	1	8	12.50
283	PIJE	3	8	37.50
283	QUCH2	4	8	50.00
284	QUCH2	34	34	100.00
285	PIJE	34	36	94.44
285	QUKE	2	36	5.56
287	PIJE	1	1	100.00
288	PIJE	21	21	100.00
289	ABCO	10	33	30.30
289	PIJE	23	33	69.70
291	PIJE	42	42	100.00
292	PIJE	12	14	85.71
292	QUCH2	2	14	14.29
296	PSMA	12	25	48.00
296	QUCH2	13	25	52.00
301	QUCH2	24	24	100.00
302	ABCO	5	34	14.71
302	PIJE	7	34	20.59
302	PILA	4	34	11.76
302	PSMA	4	34	11.76
302	QUCH2	14	34	41.18
303	CADE27	8	35	22.86
303	PIJE	8	35	22.86
303	PILA	8	35	22.86
303	QUCH2	11	35	31.43
309	PIJE	1	31	3.23
309	PILA	10	31	32.26
309	PSMA	10	31	32.26
309	QUCH2	10	31	32.26
310	PIJE	23	34	67.65

plot	species	species_n	total_n	pct
310	PILA	1	34	2.94
310	QUCH2	2	34	5.88
310	QUKE	8	34	23.53
311	PIJE	1	22	4.55
311	PILA	2	22	9.09
311	PIPO	2	22	9.09
311	PSMA	4	22	18.18
311	QUCH2	12	22	54.55
311	QUKE	1	22	4.55
313	PIJE	6	18	33.33
313	PILA	1	18	5.56
313	PSMA	3	18	16.67
313	QUCH2	8	18	44.44
317	PSMA	3	13	23.08
317	QUCH2	10	13	76.92
319	QUCH2	5	5	100.00
320	PICO3	1	20	5.00
320	PSMA	13	20	65.00
320	QUCH2	3	20	15.00
320	QUKE	3	20	15.00
326	QUCH2	2	2	100.00
327	QUCH2	1	2	50.00
327	QUKE	1	2	50.00
328	QUCH2	1	8	12.50
328	QUKE	7	8	87.50
330	QUCH2	3	6	50.00
330	QUKE	3	6	50.00
331	QUCH2	19	19	100.00
334	QUCH2	3	3	100.00
336	PICO3	4	12	33.33
336	PIPO	1	12	8.33
336	QUCH2	4	12	33.33
336	QUKE	3	12	25.00
338	QUCH2	3	3	100.00

plot	species	species_n	total_n	pct
343	QUCH2	12	12	100.00
345	QUCH2	6	6	100.00
346	PICO3	2	4	50.00
346	QUCH2	2	4	50.00
347	QUCH2	5	5	100.00
350	PICO3	1	1	100.00
356	QUCH2	4	4	100.00
361	PICO3	2	27	7.41
361	QUCH2	25	27	92.59
367	QUCH2	18	18	100.00
383	QUCH2	16	16	100.00
385	QUCH2	1	1	100.00
386	QUCH2	2	2	100.00
387	QUCH2	28	28	100.00
390	QUCH2	1	1	100.00
391	PICO3	4	32	12.50
391	QUCH2	28	32	87.50
397	QUCH2	11	11	100.00
398	QUCH2	14	14	100.00
399	PSMA	3	3	100.00
400	PSMA	7	14	50.00
400	QUCH2	7	14	50.00
401	QUCH2	10	10	100.00
402	CADE27	3	25	12.00
402	QUCH2	22	25	88.00
405	PSMA	1	14	7.14
405	QUCH2	13	14	92.86
406	PSMA	2	2	100.00
417	ABCO	15	20	75.00
417	PIJE	2	20	10.00
417	QUCH2	3	20	15.00
418	PIJE	23	23	100.00
419	PIJE	4	52	7.69
419	QUCH2	48	52	92.31

plot	species	species_n	total_n	pct
432	ABCO	1	17	5.88
432	PIJE	5	17	29.41
432	QUCH2	11	17	64.71
433	ABCO	4	22	18.18
433	CADE27	2	22	9.09
433	PILA	7	22	31.82
433	PIPO	3	22	13.64
433	PSMA	3	22	13.64
433	QUCH2	3	22	13.64
434	ABCO	2	26	7.69
434	PIJE	11	26	42.31
434	PILA	13	26	50.00
439	PIJE	2	17	11.76
439	QUCH2	15	17	88.24
440	PIJE	2	2	100.00
444	PIJE	9	11	81.82
444	QUCH2	2	11	18.18
446	QUCH2	3	3	100.00
448	PSMA	3	49	6.12
448	QUCH2	46	49	93.88
451	PIJE	27	27	100.00
453	QUCH2	6	6	100.00
458	QUCH2	22	22	100.00
459	PILA	1	43	2.33
459	PSMA	5	43	11.63
459	QUCH2	37	43	86.05
460	PSMA	7	19	36.84
460	QUCH2	12	19	63.16
602	PICO3	1	5	20.00
602	QUCH2	4	5	80.00
608	QUCH2	3	3	100.00
610	QUCH2	5	5	100.00
611	QUCH2	1	1	100.00
615	PIPO	1	1	100.00

plot	species	species_n	total_n	pct
640	ABCO	5	18	27.78
640	PIJE	4	18	22.22
640	QUCH2	9	18	50.00
645	ABCO	57	57	100.00
651	PIJE	20	20	100.00
660	PICO3	3	30	10.00
660	PSMA	6	30	20.00
660	QUCH2	21	30	70.00
666	QUCH2	43	43	100.00
670	PSMA	2	2	100.00
674	QUCH2	29	29	100.00
704	QUCH2	26	26	100.00
707	PSMA	1	4	25.00
707	QUCH2	3	4	75.00
710	PSMA	12	30	40.00
710	QUCH2	18	30	60.00
715	QUCH2	1	1	100.00
716	QUCH2	11	11	100.00
717	QUCH2	36	36	100.00
719	PSMA	4	5	80.00
719	QUCH2	1	5	20.00
721	CADE27	7	31	22.58
721	PIJE	9	31	29.03
721	PILA	7	31	22.58
721	QUCH2	5	31	16.13
721	QUKE	3	31	9.68
722	CADE27	3	31	9.68
722	PIJE	3	31	9.68
722	PILA	5	31	16.13
722	PSMA	2	31	6.45
722	QUCH2	18	31	58.06
723	PIJE	14	14	100.00
725	ABCO	6	24	25.00
725	PIJE	15	24	62.50

plot	species	species_n	total_n	pct
725	PILA	3	24	12.50
726	PIJE	12	12	100.00
728	QUCH2	4	15	26.67
728	QUKE	11	15	73.33
731	PSMA	1	23	4.35
731	QUCH2	22	23	95.65
732	CADE27	6	39	15.38
732	PIJE	7	39	17.95
732	PILA	1	39	2.56
732	QUCH2	25	39	64.10
733	QUCH2	3	3	100.00
734	PSMA	11	38	28.95
734	QUCH2	27	38	71.05
737	PIJE	13	13	100.00
738	QUCH2	6	6	100.00
740	PSMA	5	54	9.26
740	QUCH2	49	54	90.74
742	PIJE	1	1	100.00
745	QUCH2	50	50	100.00
747	QUCH2	8	8	100.00
749	CADE27	2	60	3.33
749	QUCH2	58	60	96.67
750	QUCH2	25	25	100.00
751	PILA	1	40	2.50
751	PIPO	5	40	12.50
751	PSMA	7	40	17.50
751	QUCH2	27	40	67.50
753	PSMA	3	24	12.50
753	QUCH2	21	24	87.50
754	QUCH2	9	9	100.00
757	PSMA	6	10	60.00
757	QUCH2	4	10	40.00
759	PSMA	2	45	4.44
759	QUCH2	43	45	95.56

plot	species	species_n	total_n	pct
760	PSMA	7	31	22.58
760	QUCH2	24	31	77.42
761	PSMA	2	39	5.13
761	QUCH2	37	39	94.87
763	QUCH2	7	7	100.00
767	PSMA	2	19	10.53
767	QUCH2	17	19	89.47
772	PIJE	3	3	100.00
777	PIJE	2	2	100.00
779	PIJE	9	32	28.12
779	QUCH2	23	32	71.88
782	PIJE	15	15	100.00
790	QUCH2	14	14	100.00
791	QUCH2	9	9	100.00
792	QUCH2	62	62	100.00
793	ABCO	2	44	4.55
793	PIJE	29	44	65.91
793	QUCH2	13	44	29.55
794	PIJE	11	11	100.00
797	ABCO	5	33	15.15
797	PIJE	4	33	12.12
797	PILA	1	33	3.03
797	QUCH2	23	33	69.70
800	QUCH2	5	5	100.00
801	PSMA	1	11	9.09
801	QUCH2	10	11	90.91
802	QUCH2	6	6	100.00
803	ABCO	1	10	10.00
803	QUCH2	9	10	90.00
804	PSMA	3	29	10.34
804	QUCH2	26	29	89.66
808	QUCH2	10	10	100.00
809	PICO3	4	6	66.67
809	QUCH2	2	6	33.33

plot	species	species_n	total_n	pct
817	PICO3	1	1	100.00
819	QUCH2	5	5	100.00
820	QUCH2	7	7	100.00
821	QUCH2	2	2	100.00
822	QUCH2	5	5	100.00
823	QUCH2	11	11	100.00
824	QUCH2	7	7	100.00
835	PICO3	5	15	33.33
835	QUCH2	10	15	66.67
837	QUCH2	2	2	100.00
840	QUCH2	3	3	100.00
842	QUCH2	16	16	100.00
844	PICO3	1	12	8.33
844	QUCH2	11	12	91.67
847	QUCH2	3	3	100.00
850	QUCH2	6	8	75.00
850	QUKE	2	8	25.00

LPF Tree Size Class

Size Class (cm)	Count
0-5	4
5-20	28
20-40	41
40-60	20
60-80	41
80-100	20
100-120	8
120-140	3
>140	1

Size Class (cm)	Species	Count
0-5	ABCO	1
0-5	PIJE	2
0-5	PILA	1
5-20	ABCO	4

Size Class (cm)	Species	Count
5-20	PIJE	20
5-20	PILA	4
20-40	ABCO	7
20-40	PIJE	29
20-40	PILA	5
40-60	ABCO	4
40-60	CADE27	2
40-60	PIJE	10
40-60	PILA	4
60-80	ABCO	8
60-80	CADE27	1
60-80	PIJE	29
60-80	PILA	2
60-80	PIPO	1
80-100	ABCO	3
80-100	CADE27	3
80-100	PIJE	13
80-100	PILA	1
100-120	ABCO	4
100-120	PIJE	3
100-120	PILA	1
120-140	ABCO	1
120-140	PIJE	1
120-140	PIPO	1
>140	PIJE	1

BDF Data Analysis
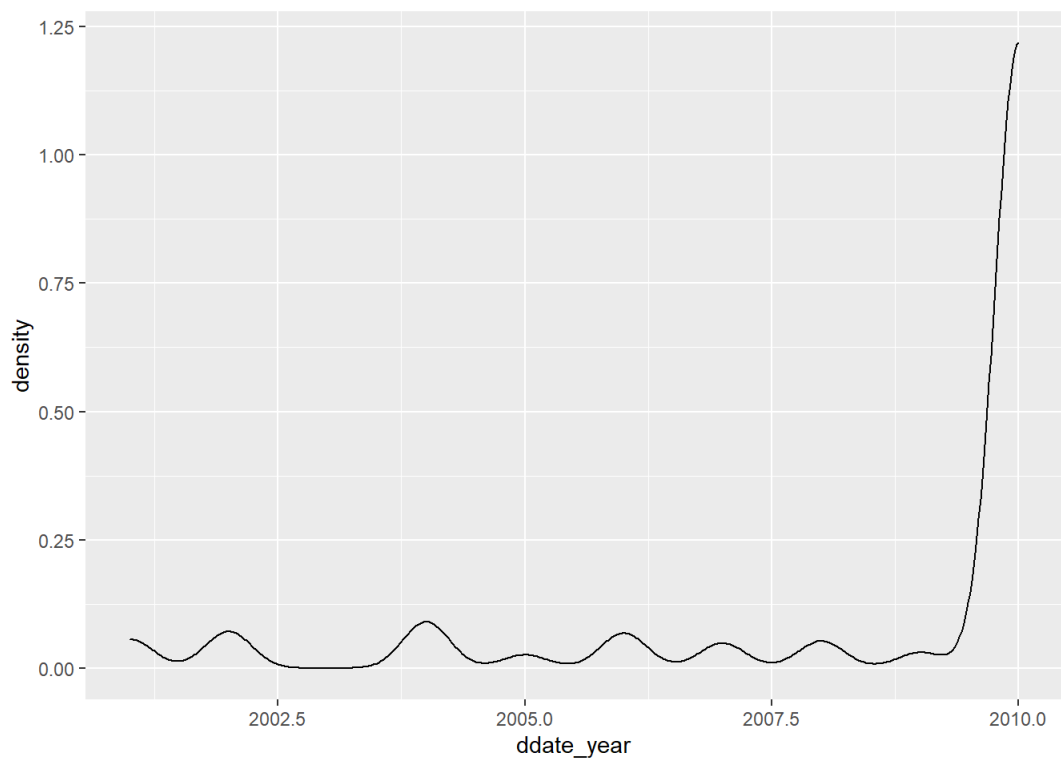
BDF Conifer Count

species	n
ABCO	910
CADE27	171
PICO3	137
PIJE	579
PILA	187
PIPO	59
PSMA	62
QUCH2	1531
QUKE	331

BDF Trees per Plot

plot	species	species_n	total_n	pct
006	PICO3	11	13	84.62
006	QUCH2	2	13	15.38
011	PICO3	5	21	23.81
011	QUCH2	12	21	57.14
011	QUKE	4	21	19.05
018	PIJE	2	47	4.26
018	PILA	2	47	4.26
018	QUCH2	43	47	91.49

plot	species	species_n	total_n	pct
021	PICO3	7	8	87.50
021	QUCH2	1	8	12.50
024	ABCO	3	23	13.04
024	PIJE	14	23	60.87
024	PILA	6	23	26.09
025	PIJE	1	1	100.00
027	ABCO	9	12	75.00
027	PIJE	3	12	25.00
028	ABCO	5	45	11.11
028	PIJE	11	45	24.44
028	QUCH2	29	45	64.44
029	ABCO	35	48	72.92
029	PIJE	13	48	27.08
030	ABCO	23	27	85.19
030	PIJE	4	27	14.81
033	ABCO	48	66	72.73
033	CADE27	7	66	10.61
033	PIJE	4	66	6.06
033	PILA	3	66	4.55
033	QUKE	4	66	6.06
034	ABCO	22	39	56.41
034	PIJE	1	39	2.56
034	PILA	16	39	41.03
036	ABCO	15	31	48.39
036	PICO3	3	31	9.68
036	PIJE	3	31	9.68
036	PILA	9	31	29.03
036	QUCH2	1	31	3.23
037	QUCH2	80	80	100.00
038	PSMA	1	12	8.33
038	QUCH2	11	12	91.67
040	ABCO	10	17	58.82
040	PIJE	6	17	35.29
040	PILA	1	17	5.88

plot	species	species_n	total_n	pct
041	PILA	1	20	5.00
041	PSMA	7	20	35.00
041	QUCH2	12	20	60.00
045	ABCO	9	31	29.03
045	PIJE	6	31	19.35
045	QUKE	16	31	51.61
046	ABCO	14	38	36.84
046	PICO3	1	38	2.63
046	PIJE	4	38	10.53
046	PILA	2	38	5.26
046	QUCH2	3	38	7.89
046	QUKE	14	38	36.84
050	PICO3	1	13	7.69
050	PSMA	2	13	15.38
050	QUCH2	10	13	76.92
056	QUCH2	2	2	100.00
060	ABCO	14	44	31.82
060	PIJE	29	44	65.91
060	QUKE	1	44	2.27
061	PIJE	14	14	100.00
065	CADE27	1	48	2.08
065	PICO3	11	48	22.92
065	PIJE	2	48	4.17
065	QUCH2	33	48	68.75
065	QUKE	1	48	2.08
070	PIJE	3	15	20.00
070	PIPO	5	15	33.33
070	QUCH2	1	15	6.67
070	QUKE	6	15	40.00
071	PIJE	1	9	11.11
071	QUCH2	8	9	88.89
073	QUCH2	1	1	100.00
078	PIJE	5	8	62.50

plot	species	species_n	total_n	pct
078	QUCH2	3	8	37.50
080	PIPO	4	30	13.33
080	PSMA	9	30	30.00
080	QUCH2	17	30	56.67
082	ABCO	3	11	27.27
082	PIJE	8	11	72.73
083	ABCO	3	91	3.30
083	QUCH2	88	91	96.70
084	QUCH2	4	5	80.00
084	QUKE	1	5	20.00
085	PICO3	2	23	8.70
085	QUCH2	21	23	91.30
087	PIJE	1	1	100.00
088	PIJE	10	10	100.00
090	ABCO	1	26	3.85
090	CADE27	2	26	7.69
090	PICO3	9	26	34.62
090	QUCH2	14	26	53.85
092	ABCO	1	29	3.45
092	PIJE	2	29	6.90
092	PILA	8	29	27.59
092	QUCH2	18	29	62.07
093	ABCO	41	53	77.36
093	PIJE	12	53	22.64
094	ABCO	6	24	25.00
094	CADE27	2	24	8.33
094	PIJE	15	24	62.50
094	PILA	1	24	4.17
095	ABCO	2	56	3.57
095	PICO3	4	56	7.14
095	QUCH2	50	56	89.29
097	ABCO	62	76	81.58
097	PIJE	1	76	1.32
097	PILA	13	76	17.11

plot	species	species_n	total_n	pct
099	ABCO	1	63	1.59
099	CADE27	23	63	36.51
099	PICO3	4	63	6.35
099	QUCH2	26	63	41.27
099	QUKE	9	63	14.29
101	ABCO	3	36	8.33
101	CADE27	7	36	19.44
101	PICO3	2	36	5.56
101	PILA	1	36	2.78
101	QUCH2	23	36	63.89
102	ABCO	5	10	50.00
102	PIJE	3	10	30.00
102	PILA	2	10	20.00
103	ABCO	23	38	60.53
103	PIJE	5	38	13.16
103	PILA	10	38	26.32
105	ABCO	21	31	67.74
105	PIPO	10	31	32.26
109	ABCO	11	31	35.48
109	PIJE	20	31	64.52
110	PIJE	21	25	84.00
110	QUCH2	4	25	16.00
111	ABCO	7	24	29.17
111	PIJE	15	24	62.50
111	QUCH2	2	24	8.33
113	ABCO	22	59	37.29
113	PIJE	37	59	62.71
114	ABCO	6	10	60.00
114	PIJE	1	10	10.00
114	PILA	3	10	30.00
115	ABCO	9	18	50.00
115	PIPO	9	18	50.00
118	PIJE	8	20	40.00
118	QUKE	12	20	60.00

plot	species	species_n	total_n	pct
121	ABCO	20	42	47.62
121	PIJE	4	42	9.52
121	PILA	8	42	19.05
121	PIPO	3	42	7.14
121	QUCH2	6	42	14.29
121	QUKE	1	42	2.38
123	PICO3	6	19	31.58
123	PSMA	2	19	10.53
123	QUCH2	5	19	26.32
123	QUKE	6	19	31.58
124	ABCO	1	61	1.64
124	PICO3	6	61	9.84
124	QUCH2	54	61	88.52
125	ABCO	13	36	36.11
125	PIJE	13	36	36.11
125	QUCH2	10	36	27.78
128	ABCO	17	33	51.52
128	CADE27	11	33	33.33
128	PILA	1	33	3.03
128	QUCH2	4	33	12.12
129	ABCO	10	11	90.91
129	PILA	1	11	9.09
131	QUCH2	14	14	100.00
132	PICO3	1	60	1.67
132	PSMA	1	60	1.67
132	QUCH2	58	60	96.67
133	ABCO	4	54	7.41
133	CADE27	32	54	59.26
133	PSMA	3	54	5.56
133	QUCH2	15	54	27.78
134	ABCO	6	33	18.18
134	PIJE	8	33	24.24
134	PILA	2	33	6.06
134	QUCH2	17	33	51.52

plot	species	species_n	total_n	pct
136	ABCO	7	67	10.45
136	PIJE	11	67	16.42
136	QUCH2	49	67	73.13
137	ABCO	2	7	28.57
137	PIJE	5	7	71.43
138	ABCO	23	25	92.00
138	PILA	2	25	8.00
139	ABCO	2	4	50.00
139	PILA	2	4	50.00
141	PSMA	13	23	56.52
141	QUCH2	10	23	43.48
142	QUCH2	24	24	100.00
144	ABCO	1	30	3.33
144	CADE27	1	30	3.33
144	PICO3	3	30	10.00
144	PSMA	2	30	6.67
144	QUCH2	23	30	76.67
146	ABCO	8	24	33.33
146	CADE27	5	24	20.83
146	PILA	3	24	12.50
146	QUKE	8	24	33.33
147	ABCO	27	41	65.85
147	CADE27	1	41	2.44
147	PIJE	2	41	4.88
147	PILA	4	41	9.76
147	QUKE	7	41	17.07
148	ABCO	24	63	38.10
148	PILA	4	63	6.35
148	QUKE	35	63	55.56
150	QUCH2	55	55	100.00
151	QUCH2	12	12	100.00
152	QUCH2	49	49	100.00
155	ABCO	9	50	18.00
155	CADE27	8	50	16.00

plot	species	species_n	total_n	pct
155	PILA	7	50	14.00
155	QUCH2	26	50	52.00
157	ABCO	1	7	14.29
157	PIJE	6	7	85.71
158	ABCO	1	18	5.56
158	PIJE	6	18	33.33
158	QUCH2	11	18	61.11
159	PIJE	1	51	1.96
159	QUCH2	50	51	98.04
160	ABCO	2	23	8.70
160	CADE27	1	23	4.35
160	PIJE	13	23	56.52
160	QUKE	7	23	30.43
161	ABCO	1	18	5.56
161	PIJE	9	18	50.00
161	QUKE	8	18	44.44
162	ABCO	1	10	10.00
162	PIJE	4	10	40.00
162	PILA	3	10	30.00
162	QUCH2	2	10	20.00
164	ABCO	16	22	72.73
164	PIJE	4	22	18.18
164	QUKE	2	22	9.09
165	CADE27	1	3	33.33
165	PIJE	2	3	66.67
169	ABCO	2	22	9.09
169	PICO3	4	22	18.18
169	PIJE	3	22	13.64
169	PILA	2	22	9.09
169	QUCH2	11	22	50.00
170	PICO3	1	33	3.03
170	PIJE	4	33	12.12
170	PILA	1	33	3.03
170	QUCH2	27	33	81.82

plot	species	species_n	total_n	pct
172	ABCO	7	20	35.00
172	CADE27	2	20	10.00
172	PIJE	7	20	35.00
172	PILA	1	20	5.00
172	QUKE	3	20	15.00
174	PICO3	2	2	100.00
175	QUCH2	21	21	100.00
177	PIJE	5	6	83.33
177	QUCH2	1	6	16.67
178	QUCH2	8	8	100.00
179	CADE27	6	6	100.00
180	ABCO	2	47	4.26
180	PILA	7	47	14.89
180	PSMA	5	47	10.64
180	QUCH2	30	47	63.83
180	QUKE	3	47	6.38
181	QUCH2	20	20	100.00
182	QUCH2	8	8	100.00
185	QUCH2	5	5	100.00
186	CADE27	1	4	25.00
186	PSMA	1	4	25.00
186	QUCH2	2	4	50.00
187	QUCH2	4	4	100.00
189	PIJE	3	29	10.34
189	QUCH2	26	29	89.66
190	PICO3	6	17	35.29
190	QUCH2	11	17	64.71
191	PICO3	1	12	8.33
191	QUCH2	11	12	91.67
197	QUCH2	15	15	100.00
199	QUCH2	15	15	100.00
201	QUCH2	11	11	100.00
202	PIJE	3	3	100.00
203	PIJE	3	3	100.00

plot	species	species_n	total_n	pct
205	QUCH2	2	2	100.00
206	QUCH2	5	5	100.00
211	PICO3	3	9	33.33
211	PIJE	5	9	55.56
211	PILA	1	9	11.11
213	PIJE	14	22	63.64
213	QUCH2	8	22	36.36
215	PICO3	2	17	11.76
215	QUCH2	15	17	88.24
218	QUCH2	19	19	100.00
301	ABCO	19	35	54.29
301	PIJE	8	35	22.86
301	PILA	8	35	22.86
304	ABCO	14	19	73.68
304	PIJE	2	19	10.53
304	PILA	3	19	15.79
305	PIJE	1	1	100.00
306	PIJE	18	18	100.00
308	PIJE	14	40	35.00
308	QUCH2	4	40	10.00
308	QUKE	22	40	55.00
309	ABCO	29	50	58.00
309	PIJE	7	50	14.00
309	QUKE	14	50	28.00
310	ABCO	10	27	37.04
310	PICO3	1	27	3.70
310	PILA	4	27	14.81
310	PSMA	2	27	7.41
310	QUCH2	10	27	37.04
312	ABCO	17	40	42.50
312	PIJE	12	40	30.00
312	PILA	1	40	2.50
312	QUKE	10	40	25.00
313	ABCO	6	71	8.45

plot	species	species_n	total_n	pct
313	CADE27	32	71	45.07
313	PIJE	4	71	5.63
313	PILA	1	71	1.41
313	PSMA	1	71	1.41
313	QUCH2	10	71	14.08
313	QUKE	17	71	23.94
314	PICO3	1	15	6.67
314	PILA	4	15	26.67
314	QUCH2	5	15	33.33
314	QUKE	5	15	33.33
315	CADE27	2	31	6.45
315	PICO3	5	31	16.13
315	QUCH2	10	31	32.26
315	QUKE	14	31	45.16
316	PSMA	10	24	41.67
316	QUCH2	14	24	58.33
317	PICO3	8	35	22.86
317	PIJE	3	35	8.57
317	QUCH2	13	35	37.14
317	QUKE	11	35	31.43
318	ABCO	1	63	1.59
318	CADE27	6	63	9.52
318	PIJE	22	63	34.92
318	PILA	6	63	9.52
318	QUCH2	28	63	44.44
319	ABCO	23	55	41.82
319	CADE27	1	55	1.82
319	PIJE	14	55	25.45
319	QUKE	17	55	30.91
320	ABCO	47	68	69.12
320	PILA	7	68	10.29
320	PIPO	6	68	8.82
320	QUKE	8	68	11.76
321	ABCO	6	30	20.00

plot	species	species_n	total_n	pct
321	PIJE	9	30	30.00
321	QUKE	15	30	50.00
322	ABCO	5	36	13.89
322	CADE27	6	36	16.67
322	PILA	2	36	5.56
322	PSMA	3	36	8.33
322	QUCH2	7	36	19.44
322	QUKE	13	36	36.11
323	ABCO	2	38	5.26
323	PICO3	8	38	21.05
323	QUCH2	10	38	26.32
323	QUKE	18	38	47.37
324	ABCO	19	44	43.18
324	CADE27	3	44	6.82
324	PIJE	2	44	4.55
324	PILA	7	44	15.91
324	QUKE	13	44	29.55
325	CADE27	1	15	6.67
325	PICO3	4	15	26.67
325	QUCH2	10	15	66.67
327	ABCO	3	3	100.00
329	QUCH2	1	1	100.00
330	ABCO	23	25	92.00
330	PIJE	2	25	8.00
331	ABCO	5	15	33.33
331	PIJE	10	15	66.67
332	ABCO	15	20	75.00
332	PIJE	1	20	5.00
332	PILA	3	20	15.00
332	QUCH2	1	20	5.00
333	PIJE	19	19	100.00
334	PICO3	12	12	100.00
603	QUCH2	1	1	100.00
606	QUCH2	10	10	100.00

plot	species	species_n	total_n	pct
609	CADE27	9	40	22.50
609	PILA	1	40	2.50
609	PIPO	22	40	55.00
609	QUCH2	2	40	5.00
609	QUKE	6	40	15.00
614	QUCH2	22	22	100.00
615	QUCH2	49	49	100.00
620	PIJE	10	10	100.00
621	ABCO	25	74	33.78
621	PILA	13	74	17.57
621	QUCH2	36	74	48.65
624	PICO3	3	4	75.00
624	PIJE	1	4	25.00

BDF Tree Size Class

Size Class (cm)	Count
0-5	14
5-20	49
20-40	95
40-60	44
60-80	86
80-100	51
100-120	13
120-140	6
>140	2

Size Class (cm)	Species	Count
0-5	ABCO	8
0-5	CADE27	1
0-5	PILA	5
5-20	ABCO	29
5-20	CADE27	4
5-20	PIJE	13
5-20	PILA	3
20-40	ABCO	45

Size Class (cm)	Species	Count
20-40	CADE27	9
20-40	PIJE	28
20-40	PILA	8
20-40	PIPO	5
40-60	ABCO	21
40-60	CADE27	6
40-60	PIJE	14
40-60	PILA	2
40-60	PIPO	1
60-80	ABCO	32
60-80	CADE27	5
60-80	PIJE	32
60-80	PILA	12
60-80	PIPO	5
80-100	ABCO	17
80-100	CADE27	3
80-100	PIJE	23
80-100	PILA	5
80-100	PIPO	3
100-120	ABCO	7
100-120	CADE27	1
100-120	PIJE	3
100-120	PILA	2
120-140	ABCO	3
120-140	CADE27	1
120-140	PIJE	2
>140	CADE27	1
>140	PIJE	1

Create table of plot count

plot_forest	plot_total	plot_ypmc_buffer	plot_outside_buffer
ANF	139	26	113
CNF	91	6	85
LPF	558	68	490

plot_forest	plot_total	plot_ypmc_buffer	plot_outside_buffer
BDF	234	108	126