

FIA Tree Data Review

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Preliminary Data Analysis

Observing Unique Species

YPMC Conifer species we are focusing on for our GP:

Scientific Name	Common Name	Code
<i>Pinus ponderosa</i>	Ponderosa pine	PIPO
<i>Pinus jeffreyi</i>	Jeffery pine	PIJE
<i>Pinus lambertiana</i>	Sugar pine	PILA
<i>Abies concolor</i>	White fir	ABCO
<i>Calocedrus decurrens</i>	Incense cedar	CADE

Affiliate species that we may look at:

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

Conifer species we are not considering for our analysis:

Scientific Name	Common Name	Code
<i>Pinus contorta</i> ssp. <i>murrayana</i>	Lodgepole pine	PICO/PICOM

Setup for Filtering Plots by Species

Tree Size Classes

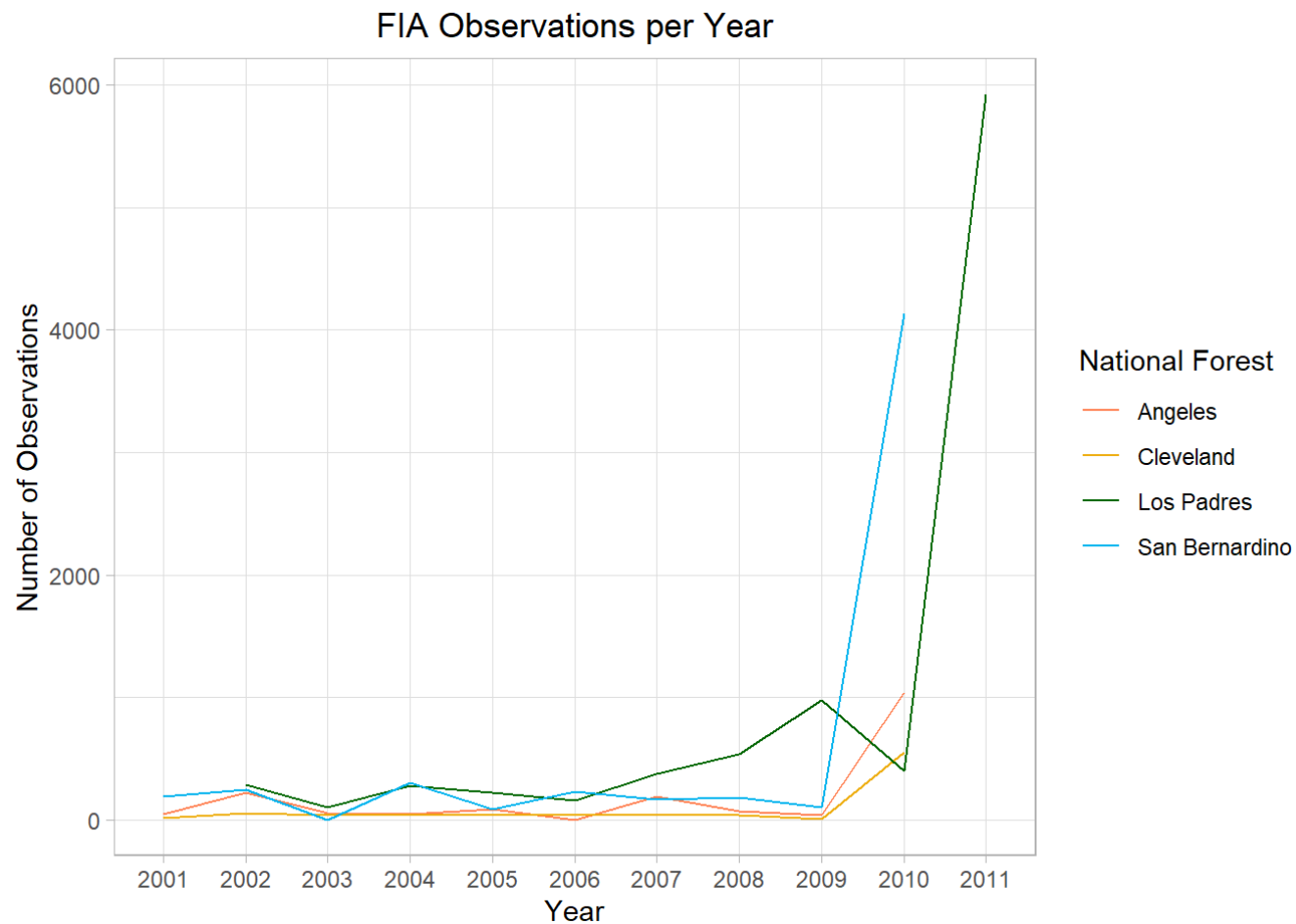
Diameter base height in cm; classes determined from Figure 19 (pg 106 hard-copy and 116 digital) in Safford and Stevens 2017

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

FIA Data Analysis by NF

Data Collection Dates



Los Padres seems to have the most observations overall. The highest amount of observations occurred in 2011 with 6000 observations total. This was followed by San Bernardino with about 4000 observations in 2010.

Number of FIA Observations

forest	n
Angeles	1812

forest	n
Cleveland	843
NA	9285
NA	5662

YPMC Conifer Count

forest	species	n
01	ABCO	108
01	CADE	21
01	PICO	10
01	PICOM	24
01	PIJE	152
01	PILA	59
01	PIPO	2
01	PSMA	90
01	QUCH	607
01	QUKE	1
02	ABCO	1

forest	species	n
02	CADE	6
02	PICO	13
02	PIJE	41
02	PSMA	19
02	QUCH	220
02	QUKE	53
07	ABCO	135
07	CADE	32
07	PICO	80
07	PIJE	548
07	PILA	73
07	PIPO	23
07	PSMA	243
07	QUCH	2523
07	QUKE	84
12	ABCO	910
12	CADE	171

forest	species	n
12	PICO	137
12	PICOM	207
12	PIJE	579
12	PILA	187
12	PIPO	59
12	PSMA	62
12	QUCH	1531
12	QUKE	331

Number of Trees per Plot

There are 1022 plots in all four Southern California national forests.

forest	plot	species	species_n	total_n	pct
01	001	ABCO	17	51	33.33
01	001	PIJE	1	51	1.96
01	001	PILA	33	51	64.71
01	010	QUCH	7	21	33.33
01	013	PSMA	2	9	22.22
01	013	QUCH	5	9	55.56

forest	plot	species	species_n	total_n	pct
01	014	QUCH	10	37	27.03
01	017	PSMA	10	17	58.82
01	017	QUCH	7	17	41.18
01	018	ABCO	1	27	3.70
01	018	CADE	2	27	7.41
01	018	PIJE	5	27	18.52
01	019	QUCH	25	34	73.53
01	020	CADE	1	8	12.50
01	020	QUCH	1	8	12.50
01	024	QUCH	15	20	75.00
01	030	PICO	1	44	2.27
01	030	PSMA	10	44	22.73
01	030	QUCH	33	44	75.00
01	033	PIJE	7	8	87.50
01	033	PILA	1	8	12.50
01	034	ABCO	1	63	1.59
01	034	PIJE	12	63	19.05

forest	plot	species	species_n	total_n	pct
01	034	PILA	3	63	4.76
01	034	QUCH	46	63	73.02
01	040	PICO	1	4	25.00
01	041	PIJE	2	19	10.53
01	041	QUCH	17	19	89.47
01	043	QUCH	3	33	9.09
01	044	PSMA	3	11	27.27
01	044	QUCH	5	11	45.45
01	052	PICO	1	9	11.11
01	052	PIPO	1	9	11.11
01	052	QUCH	6	9	66.67
01	076	QUCH	53	53	100.00
01	077	QUCH	9	18	50.00
01	081	QUCH	21	29	72.41
01	081	QUKE	1	29	3.45
01	101	QUCH	2	24	8.33
01	104	QUCH	1	5	20.00

forest	plot	species	species_n	total_n	pct
01	105	PIJE	3	33	9.09
01	105	PSMA	11	33	33.33
01	105	QUCH	18	33	54.55
01	106	ABCO	22	28	78.57
01	106	PIJE	6	28	21.43
01	110	QUCH	5	17	29.41
01	114	PIJE	2	7	28.57
01	114	QUCH	1	7	14.29
01	115	QUCH	25	30	83.33
01	116	PICO	3	9	33.33
01	116	QUCH	4	9	44.44
01	118	PSMA	3	6	50.00
01	118	QUCH	1	6	16.67
01	119	ABCO	1	16	6.25
01	119	PIJE	13	16	81.25
01	121	PIJE	21	22	95.45
01	124	ABCO	2	12	16.67

forest	plot	species	species_n	total_n	pct
01	124	PIJE	9	12	75.00
01	124	PILA	1	12	8.33
01	125	ABCO	1	28	3.57
01	125	PIJE	1	28	3.57
01	125	PILA	6	28	21.43
01	125	PSMA	12	28	42.86
01	125	QUCH	7	28	25.00
01	126	ABCO	3	56	5.36
01	126	PILA	1	56	1.79
01	126	PIPO	1	56	1.79
01	126	QUCH	34	56	60.71
01	128	ABCO	3	8	37.50
01	128	PILA	2	8	25.00
01	129	PSMA	6	8	75.00
01	129	QUCH	1	8	12.50
01	131	ABCO	8	22	36.36
01	131	CADE	2	22	9.09

forest	plot	species	species_n	total_n	pct
01	131	PIJE	1	22	4.55
01	131	PILA	4	22	18.18
01	131	QUCH	6	22	27.27
01	134	PSMA	1	8	12.50
01	134	QUCH	6	8	75.00
01	136	PSMA	1	6	16.67
01	136	QUCH	2	6	33.33
01	142	PSMA	1	5	20.00
01	142	QUCH	1	5	20.00
01	146	QUCH	8	13	61.54
01	148	QUCH	5	40	12.50
01	152	ABCO	24	37	64.86
01	152	PIJE	3	37	8.11
01	153	ABCO	4	53	7.55
01	153	CADE	13	53	24.53
01	153	PILA	4	53	7.55
01	153	PSMA	9	53	16.98

forest	plot	species	species_n	total_n	pct
01	153	QUCH	23	53	43.40
01	154	PIJE	11	53	20.75
01	154	QUCH	42	53	79.25
01	157	QUCH	13	15	86.67
01	158	PICO	4	18	22.22
01	158	PIJE	11	18	61.11
01	158	QUCH	3	18	16.67
01	166	QUCH	18	32	56.25
01	167	QUCH	1	12	8.33
01	169	QUCH	1	5	20.00
01	172	QUCH	10	21	47.62
01	173	ABCO	1	26	3.85
01	173	CADE	2	26	7.69
01	173	PILA	1	26	3.85
01	173	PSMA	13	26	50.00
01	173	QUCH	3	26	11.54
01	175	QUCH	9	12	75.00

forest	plot	species	species_n	total_n	pct
01	176	QUCH	5	17	29.41
01	177	QUCH	6	11	54.55
01	183	ABCO	5	13	38.46
01	183	PIJE	4	13	30.77
01	183	PILA	3	13	23.08
01	185	QUCH	5	8	62.50
01	187	QUCH	4	20	20.00
01	189	PSMA	1	8	12.50
01	189	QUCH	4	8	50.00
01	192	ABCO	8	34	23.53
01	192	PICOM	24	34	70.59
01	192	PIJE	1	34	2.94
01	194	QUCH	20	23	86.96
01	195	PSMA	6	32	18.75
01	195	QUCH	24	32	75.00
01	196	PIJE	19	20	95.00
01	197	ABCO	7	28	25.00

forest	plot	species	species_n	total_n	pct
01	197	CADE	1	28	3.57
01	197	PIJE	20	28	71.43
01	200	QUCH	10	13	76.92
01	606	QUCH	8	10	80.00
01	607	QUCH	6	16	37.50
01	613	QUCH	2	5	40.00
01	615	PSMA	1	3	33.33
02	006	QUCH	2	5	40.00
02	041	QUCH	3	7	42.86
02	057	PICO	1	8	12.50
02	057	QUCH	6	8	75.00
02	062	QUCH	11	37	29.73
02	064	QUCH	46	46	100.00
02	065	QUCH	26	41	63.41
02	065	QUKE	10	41	24.39
02	067	QUCH	1	4	25.00
02	069	PSMA	9	16	56.25

forest	plot	species	species_n	total_n	pct
02	069	QUCH	6	16	37.50
02	070	QUCH	19	22	86.36
02	073	CADE	1	29	3.45
02	073	PICO	3	29	10.34
02	073	QUCH	2	29	6.90
02	073	QUKE	3	29	10.34
02	074	QUCH	3	15	20.00
02	075	PICO	6	35	17.14
02	075	PSMA	1	35	2.86
02	075	QUCH	14	35	40.00
02	075	QUKE	2	35	5.71
02	085	ABCO	1	21	4.76
02	085	CADE	4	21	19.05
02	085	PICO	1	21	4.76
02	085	QUCH	2	21	9.52
02	085	QUKE	13	21	61.90
02	086	CADE	1	17	5.88

forest	plot	species	species_n	total_n	pct
02	086	PICO	1	17	5.88
02	086	PIJE	4	17	23.53
02	086	QUCH	3	17	17.65
02	086	QUKE	8	17	47.06
02	090	PIJE	12	14	85.71
02	090	QUKE	2	14	14.29
02	091	PICO	1	6	16.67
02	091	QUKE	4	6	66.67
02	100	QUCH	10	34	29.41
02	110	PSMA	1	37	2.70
02	110	QUCH	22	37	59.46
02	113	PIJE	13	22	59.09
02	113	QUCH	6	22	27.27
02	113	QUKE	3	22	13.64
02	120	PSMA	5	36	13.89
02	120	QUCH	31	36	86.11
02	122	PSMA	3	6	50.00

forest	plot	species	species_n	total_n	pct
02	122	QUCH	3	6	50.00
02	128	PIJE	12	20	60.00
02	128	QUKE	8	20	40.00
02	604	QUCH	4	7	57.14
07	10	QUCH	4	8	50.00
07	108	PIJE	39	39	100.00
07	109	QUCH	1	26	3.85
07	115	PSMA	10	45	22.22
07	115	QUCH	35	45	77.78
07	116	QUCH	12	16	75.00
07	117	QUCH	4	7	57.14
07	118	QUCH	18	20	90.00
07	134	PSMA	1	9	11.11
07	134	QUCH	6	9	66.67
07	136	PICO	4	32	12.50
07	136	QUCH	28	32	87.50
07	137	PICO	22	26	84.62

forest	plot	species	species_n	total_n	pct
07	137	QUCH	3	26	11.54
07	138	PICO	2	11	18.18
07	138	PILA	1	11	9.09
07	138	QUCH	5	11	45.45
07	139	QUCH	18	19	94.74
07	142	PICO	7	15	46.67
07	142	QUCH	5	15	33.33
07	145	PIJE	5	41	12.20
07	145	QUCH	22	41	53.66
07	145	QUKE	14	41	34.15
07	147	QUCH	7	20	35.00
07	148	PIJE	1	17	5.88
07	148	QUCH	10	17	58.82
07	149	PILA	1	13	7.69
07	149	PSMA	1	13	7.69
07	149	QUCH	10	13	76.92
07	15	QUCH	1	5	20.00

forest	plot	species	species_n	total_n	pct
07	15	QUKE	1	5	20.00
07	153	QUCH	45	46	97.83
07	159	QUCH	40	52	76.92
07	162	PSMA	9	34	26.47
07	162	QUCH	25	34	73.53
07	163	PSMA	5	14	35.71
07	163	QUCH	9	14	64.29
07	164	PIJE	2	6	33.33
07	164	PILA	1	6	16.67
07	164	PSMA	2	6	33.33
07	165	PIJE	14	17	82.35
07	165	QUCH	1	17	5.88
07	167	PSMA	1	5	20.00
07	169	PIJE	1	4	25.00
07	171	PSMA	3	7	42.86
07	171	QUCH	2	7	28.57
07	186	QUCH	36	37	97.30

forest	plot	species	species_n	total_n	pct
07	213	QUCH	1	27	3.70
07	232	ABCO	2	45	4.44
07	232	PIJE	1	45	2.22
07	232	QUCH	20	45	44.44
07	233	QUCH	15	46	32.61
07	234	PIJE	1	45	2.22
07	234	QUCH	13	45	28.89
07	235	ABCO	11	16	68.75
07	235	PIJE	5	16	31.25
07	236	ABCO	2	65	3.08
07	236	PIJE	2	65	3.08
07	236	PILA	2	65	3.08
07	236	QUCH	25	65	38.46
07	237	PIJE	32	32	100.00
07	238	QUCH	1	25	4.00
07	239	PSMA	6	27	22.22
07	239	QUCH	13	27	48.15

forest	plot	species	species_n	total_n	pct
07	240	QUCH	15	18	83.33
07	242	QUKE	6	9	66.67
07	243	QUCH	10	35	28.57
07	243	QUKE	4	35	11.43
07	245	PIPO	1	54	1.85
07	245	QUKE	15	54	27.78
07	248	PIPO	9	14	64.29
07	248	QUCH	2	14	14.29
07	251	CADE	1	24	4.17
07	251	QUCH	16	24	66.67
07	252	QUCH	4	23	17.39
07	254	QUCH	14	15	93.33
07	259	QUCH	2	20	10.00
07	26	QUCH	4	4	100.00
07	260	QUCH	11	65	16.92
07	262	QUCH	3	47	6.38
07	270	PICO	3	13	23.08

forest	plot	species	species_n	total_n	pct
07	273	PICO	3	34	8.82
07	273	QUCH	27	34	79.41
07	275	PSMA	21	48	43.75
07	275	QUCH	27	48	56.25
07	276	PSMA	3	21	14.29
07	276	QUCH	17	21	80.95
07	277	PSMA	15	25	60.00
07	277	QUCH	10	25	40.00
07	278	PIJE	3	15	20.00
07	278	QUCH	1	15	6.67
07	279	PSMA	9	34	26.47
07	279	QUCH	19	34	55.88
07	280	ABCO	2	85	2.35
07	280	PIJE	2	85	2.35
07	280	QUCH	61	85	71.76
07	281	ABCO	4	52	7.69
07	281	PIJE	2	52	3.85

forest	plot	species	species_n	total_n	pct
07	281	PILA	3	52	5.77
07	281	QUCH	32	52	61.54
07	282	QUCH	54	60	90.00
07	283	ABCO	1	36	2.78
07	283	PIJE	3	36	8.33
07	283	QUCH	4	36	11.11
07	284	QUCH	34	44	77.27
07	285	PIJE	34	36	94.44
07	285	QUKE	2	36	5.56
07	287	PIJE	1	39	2.56
07	288	PIJE	21	21	100.00
07	289	ABCO	10	33	30.30
07	289	PIJE	23	33	69.70
07	291	PIJE	42	42	100.00
07	292	PIJE	12	23	52.17
07	292	QUCH	2	23	8.70
07	296	PSMA	12	30	40.00

forest	plot	species	species_n	total_n	pct
07	296	QUCH	13	30	43.33
07	3	PIPO	1	49	2.04
07	3	QUCH	48	49	97.96
07	30	QUCH	1	6	16.67
07	301	QUCH	24	25	96.00
07	302	ABCO	5	34	14.71
07	302	PIJE	7	34	20.59
07	302	PILA	4	34	11.76
07	302	PSMA	4	34	11.76
07	302	QUCH	14	34	41.18
07	303	CADE	8	35	22.86
07	303	PIJE	8	35	22.86
07	303	PILA	8	35	22.86
07	303	QUCH	11	35	31.43
07	309	PIJE	1	31	3.23
07	309	PILA	10	31	32.26
07	309	PSMA	10	31	32.26

forest	plot	species	species_n	total_n	pct
07	309	QUCH	10	31	32.26
07	310	PIJE	23	34	67.65
07	310	PILA	1	34	2.94
07	310	QUCH	2	34	5.88
07	310	QUKE	8	34	23.53
07	311	PIJE	1	22	4.55
07	311	PILA	2	22	9.09
07	311	PIPO	2	22	9.09
07	311	PSMA	4	22	18.18
07	311	QUCH	12	22	54.55
07	311	QUKE	1	22	4.55
07	313	PIJE	6	19	31.58
07	313	PILA	1	19	5.26
07	313	PSMA	3	19	15.79
07	313	QUCH	8	19	42.11
07	317	PSMA	3	15	20.00
07	317	QUCH	10	15	66.67

forest	plot	species	species_n	total_n	pct
07	319	QUCH	5	8	62.50
07	320	PICO	1	21	4.76
07	320	PSMA	13	21	61.90
07	320	QUCH	3	21	14.29
07	320	QUKE	3	21	14.29
07	326	QUCH	2	57	3.51
07	327	QUCH	1	22	4.55
07	327	QUKE	1	22	4.55
07	328	QUCH	1	15	6.67
07	328	QUKE	7	15	46.67
07	33	QUCH	65	70	92.86
07	330	QUCH	3	33	9.09
07	330	QUKE	3	33	9.09
07	331	QUCH	19	60	31.67
07	334	QUCH	3	30	10.00
07	336	PICO	4	13	30.77
07	336	PIPO	1	13	7.69

forest	plot	species	species_n	total_n	pct
07	336	QUCH	4	13	30.77
07	336	QUKE	3	13	23.08
07	338	QUCH	3	24	12.50
07	34	PICO	1	7	14.29
07	34	QUCH	2	7	28.57
07	343	QUCH	12	35	34.29
07	345	QUCH	6	25	24.00
07	346	PICO	2	40	5.00
07	346	QUCH	2	40	5.00
07	347	QUCH	5	17	29.41
07	350	PICO	1	8	12.50
07	356	QUCH	4	6	66.67
07	36	PICO	5	12	41.67
07	361	PICO	2	38	5.26
07	361	QUCH	25	38	65.79
07	367	QUCH	18	18	100.00
07	383	QUCH	16	19	84.21

forest	plot	species	species_n	total_n	pct
07	385	QUCH	1	4	25.00
07	386	QUCH	2	4	50.00
07	387	QUCH	28	44	63.64
07	39	PICO	3	6	50.00
07	390	QUCH	1	6	16.67
07	391	PICO	4	32	12.50
07	391	QUCH	28	32	87.50
07	397	QUCH	11	16	68.75
07	398	QUCH	14	15	93.33
07	399	PSMA	3	6	50.00
07	400	PSMA	7	19	36.84
07	400	QUCH	7	19	36.84
07	401	QUCH	10	11	90.91
07	402	CADE	3	25	12.00
07	402	QUCH	22	25	88.00
07	405	PSMA	1	17	5.88
07	405	QUCH	13	17	76.47

forest	plot	species	species_n	total_n	pct
07	406	PSMA	2	12	16.67
07	41	QUCH	1	29	3.45
07	417	ABCO	15	27	55.56
07	417	PIJE	2	27	7.41
07	417	QUCH	3	27	11.11
07	418	PIJE	23	30	76.67
07	419	PIJE	4	55	7.27
07	419	QUCH	48	55	87.27
07	432	ABCO	1	26	3.85
07	432	PIJE	5	26	19.23
07	432	QUCH	11	26	42.31
07	433	ABCO	4	23	17.39
07	433	CADE	2	23	8.70
07	433	PILA	7	23	30.43
07	433	PIPO	3	23	13.04
07	433	PSMA	3	23	13.04
07	433	QUCH	3	23	13.04

forest	plot	species	species_n	total_n	pct
07	434	ABCO	2	27	7.41
07	434	PIJE	11	27	40.74
07	434	PILA	13	27	48.15
07	439	PIJE	2	34	5.88
07	439	QUCH	15	34	44.12
07	440	PIJE	2	20	10.00
07	444	PIJE	9	14	64.29
07	444	QUCH	2	14	14.29
07	446	QUCH	3	19	15.79
07	448	PSMA	3	49	6.12
07	448	QUCH	46	49	93.88
07	451	PIJE	27	29	93.10
07	453	QUCH	6	14	42.86
07	458	QUCH	22	24	91.67
07	459	PILA	1	45	2.22
07	459	PSMA	5	45	11.11
07	459	QUCH	37	45	82.22

forest	plot	species	species_n	total_n	pct
07	460	PSMA	7	20	35.00
07	460	QUCH	12	20	60.00
07	602	PICO	1	17	5.88
07	602	QUCH	4	17	23.53
07	608	QUCH	3	39	7.69
07	610	QUCH	5	14	35.71
07	611	QUCH	1	4	25.00
07	615	PIPO	1	14	7.14
07	640	ABCO	5	45	11.11
07	640	PIJE	4	45	8.89
07	640	QUCH	9	45	20.00
07	645	ABCO	57	57	100.00
07	651	PIJE	20	20	100.00
07	660	PICO	3	31	9.68
07	660	PSMA	6	31	19.35
07	660	QUCH	21	31	67.74
07	666	QUCH	43	45	95.56

forest	plot	species	species_n	total_n	pct
07	670	PSMA	2	3	66.67
07	674	QUCH	29	49	59.18
07	704	QUCH	26	31	83.87
07	707	PSMA	1	12	8.33
07	707	QUCH	3	12	25.00
07	710	PSMA	12	38	31.58
07	710	QUCH	18	38	47.37
07	715	QUCH	1	12	8.33
07	716	QUCH	11	13	84.62
07	717	QUCH	36	37	97.30
07	719	PSMA	4	6	66.67
07	719	QUCH	1	6	16.67
07	721	CADE	7	31	22.58
07	721	PIJE	9	31	29.03
07	721	PILA	7	31	22.58
07	721	QUCH	5	31	16.13
07	721	QUKE	3	31	9.68

forest	plot	species	species_n	total_n	pct
07	722	CADE	3	31	9.68
07	722	PIJE	3	31	9.68
07	722	PILA	5	31	16.13
07	722	PSMA	2	31	6.45
07	722	QUCH	18	31	58.06
07	723	PIJE	14	14	100.00
07	725	ABCO	6	24	25.00
07	725	PIJE	15	24	62.50
07	725	PILA	3	24	12.50
07	726	PIJE	12	12	100.00
07	728	QUCH	4	18	22.22
07	728	QUKE	11	18	61.11
07	731	PSMA	1	24	4.17
07	731	QUCH	22	24	91.67
07	732	CADE	6	39	15.38
07	732	PIJE	7	39	17.95
07	732	PILA	1	39	2.56

forest	plot	species	species_n	total_n	pct
07	732	QUCH	25	39	64.10
07	733	QUCH	3	4	75.00
07	734	PSMA	11	38	28.95
07	734	QUCH	27	38	71.05
07	737	PIJE	13	13	100.00
07	738	QUCH	6	10	60.00
07	74	PICO	1	10	10.00
07	74	QUCH	7	10	70.00
07	740	PSMA	5	55	9.09
07	740	QUCH	49	55	89.09
07	742	PIJE	1	10	10.00
07	745	QUCH	50	57	87.72
07	747	QUCH	8	10	80.00
07	749	CADE	2	60	3.33
07	749	QUCH	58	60	96.67
07	750	QUCH	25	26	96.15
07	751	PILA	1	40	2.50

forest	plot	species	species_n	total_n	pct
07	751	PIPO	5	40	12.50
07	751	PSMA	7	40	17.50
07	751	QUCH	27	40	67.50
07	753	PSMA	3	26	11.54
07	753	QUCH	21	26	80.77
07	754	QUCH	9	12	75.00
07	757	PSMA	6	12	50.00
07	757	QUCH	4	12	33.33
07	759	PSMA	2	46	4.35
07	759	QUCH	43	46	93.48
07	760	PSMA	7	38	18.42
07	760	QUCH	24	38	63.16
07	761	PSMA	2	40	5.00
07	761	QUCH	37	40	92.50
07	763	QUCH	7	10	70.00
07	767	PSMA	2	20	10.00
07	767	QUCH	17	20	85.00

forest	plot	species	species_n	total_n	pct
07	772	PIJE	3	24	12.50
07	777	PIJE	2	17	11.76
07	779	PIJE	9	32	28.12
07	779	QUCH	23	32	71.88
07	782	PIJE	15	15	100.00
07	790	QUCH	14	21	66.67
07	791	QUCH	9	12	75.00
07	792	QUCH	62	77	80.52
07	793	ABCO	2	57	3.51
07	793	PIJE	29	57	50.88
07	793	QUCH	13	57	22.81
07	794	PIJE	11	11	100.00
07	797	ABCO	5	41	12.20
07	797	PIJE	4	41	9.76
07	797	PILA	1	41	2.44
07	797	QUCH	23	41	56.10
07	800	QUCH	5	23	21.74

forest	plot	species	species_n	total_n	pct
07	801	PSMA	1	30	3.33
07	801	QUCH	10	30	33.33
07	802	QUCH	6	9	66.67
07	803	ABCO	1	28	3.57
07	803	QUCH	9	28	32.14
07	804	PSMA	3	34	8.82
07	804	QUCH	26	34	76.47
07	808	QUCH	10	12	83.33
07	809	PICO	4	7	57.14
07	809	QUCH	2	7	28.57
07	817	PICO	1	4	25.00
07	819	QUCH	5	34	14.71
07	820	QUCH	7	20	35.00
07	821	QUCH	2	31	6.45
07	822	QUCH	5	30	16.67
07	823	QUCH	11	18	61.11
07	824	QUCH	7	29	24.14

forest	plot	species	species_n	total_n	pct
07	835	PICO	5	22	22.73
07	835	QUCH	10	22	45.45
07	837	QUCH	2	8	25.00
07	840	QUCH	3	8	37.50
07	842	QUCH	16	17	94.12
07	844	PICO	1	14	7.14
07	844	QUCH	11	14	78.57
07	847	QUCH	3	6	50.00
07	850	QUCH	6	47	12.77
07	850	QUKE	2	47	4.26
07	9	QUCH	14	30	46.67
12	006	PICO	11	18	61.11
12	006	QUCH	2	18	11.11
12	011	PICO	5	22	22.73
12	011	QUCH	12	22	54.55
12	011	QUKE	4	22	18.18
12	018	PIJE	2	47	4.26

forest	plot	species	species_n	total_n	pct
12	018	PILA	2	47	4.26
12	018	QUCH	43	47	91.49
12	021	PICO	7	22	31.82
12	021	QUCH	1	22	4.55
12	024	ABCO	3	23	13.04
12	024	PIJE	14	23	60.87
12	024	PILA	6	23	26.09
12	025	PIJE	1	50	2.00
12	027	ABCO	9	27	33.33
12	027	PICOM	6	27	22.22
12	027	PIJE	3	27	11.11
12	028	ABCO	5	45	11.11
12	028	PIJE	11	45	24.44
12	028	QUCH	29	45	64.44
12	029	ABCO	35	49	71.43
12	029	PIJE	13	49	26.53
12	030	ABCO	23	27	85.19

forest	plot	species	species_n	total_n	pct
12	030	PIJE	4	27	14.81
12	033	ABCO	48	76	63.16
12	033	CADE	7	76	9.21
12	033	PIJE	4	76	5.26
12	033	PILA	3	76	3.95
12	033	QUKE	4	76	5.26
12	034	ABCO	22	39	56.41
12	034	PIJE	1	39	2.56
12	034	PILA	16	39	41.03
12	036	ABCO	15	31	48.39
12	036	PICO	3	31	9.68
12	036	PIJE	3	31	9.68
12	036	PILA	9	31	29.03
12	036	QUCH	1	31	3.23
12	037	QUCH	80	80	100.00
12	038	PSMA	1	14	7.14
12	038	QUCH	11	14	78.57

forest	plot	species	species_n	total_n	pct
12	039	PICOM	28	28	100.00
12	040	ABCO	10	20	50.00
12	040	PIJE	6	20	30.00
12	040	PILA	1	20	5.00
12	041	PILA	1	21	4.76
12	041	PSMA	7	21	33.33
12	041	QUCH	12	21	57.14
12	045	ABCO	9	31	29.03
12	045	PIJE	6	31	19.35
12	045	QUKE	16	31	51.61
12	046	ABCO	14	38	36.84
12	046	PICO	1	38	2.63
12	046	PIJE	4	38	10.53
12	046	PILA	2	38	5.26
12	046	QUCH	3	38	7.89
12	046	QUKE	14	38	36.84
12	050	PICO	1	13	7.69

forest	plot	species	species_n	total_n	pct
12	050	PSMA	2	13	15.38
12	050	QUCH	10	13	76.92
12	056	QUCH	2	5	40.00
12	060	ABCO	14	44	31.82
12	060	PIJE	29	44	65.91
12	060	QUKE	1	44	2.27
12	061	PIJE	14	48	29.17
12	065	CADE	1	48	2.08
12	065	PICO	11	48	22.92
12	065	PIJE	2	48	4.17
12	065	QUCH	33	48	68.75
12	065	QUKE	1	48	2.08
12	070	PIJE	3	16	18.75
12	070	PIPO	5	16	31.25
12	070	QUCH	1	16	6.25
12	070	QUKE	6	16	37.50
12	071	PIJE	1	10	10.00

forest	plot	species	species_n	total_n	pct
12	071	QUCH	8	10	80.00
12	073	QUCH	1	5	20.00
12	078	PIJE	5	8	62.50
12	078	QUCH	3	8	37.50
12	080	PIPO	4	36	11.11
12	080	PSMA	9	36	25.00
12	080	QUCH	17	36	47.22
12	082	ABCO	3	11	27.27
12	082	PIJE	8	11	72.73
12	083	ABCO	3	95	3.16
12	083	QUCH	88	95	92.63
12	084	QUCH	4	5	80.00
12	084	QUKE	1	5	20.00
12	085	PICO	2	38	5.26
12	085	QUCH	21	38	55.26
12	087	PIJE	1	7	14.29
12	088	PIJE	10	12	83.33

forest	plot	species	species_n	total_n	pct
12	090	ABCO	1	46	2.17
12	090	CADE	2	46	4.35
12	090	PICO	9	46	19.57
12	090	QUCH	14	46	30.43
12	092	ABCO	1	29	3.45
12	092	PIJE	2	29	6.90
12	092	PILA	8	29	27.59
12	092	QUCH	18	29	62.07
12	093	ABCO	41	53	77.36
12	093	PIJE	12	53	22.64
12	094	ABCO	6	24	25.00
12	094	CADE	2	24	8.33
12	094	PIJE	15	24	62.50
12	094	PILA	1	24	4.17
12	095	ABCO	2	56	3.57
12	095	PICO	4	56	7.14
12	095	QUCH	50	56	89.29

forest	plot	species	species_n	total_n	pct
12	097	ABCO	62	76	81.58
12	097	PIJE	1	76	1.32
12	097	PILA	13	76	17.11
12	099	ABCO	1	68	1.47
12	099	CADE	23	68	33.82
12	099	PICO	4	68	5.88
12	099	QUCH	26	68	38.24
12	099	QUKE	9	68	13.24
12	101	ABCO	3	36	8.33
12	101	CADE	7	36	19.44
12	101	PICO	2	36	5.56
12	101	PILA	1	36	2.78
12	101	QUCH	23	36	63.89
12	102	ABCO	5	16	31.25
12	102	PIJE	3	16	18.75
12	102	PILA	2	16	12.50
12	103	ABCO	23	43	53.49

forest	plot	species	species_n	total_n	pct
12	103	PIJE	5	43	11.63
12	103	PILA	10	43	23.26
12	105	ABCO	21	38	55.26
12	105	PIPO	10	38	26.32
12	107	PICOM	23	27	85.19
12	109	ABCO	11	31	35.48
12	109	PIJE	20	31	64.52
12	110	PIJE	21	41	51.22
12	110	QUCH	4	41	9.76
12	111	ABCO	7	25	28.00
12	111	PIJE	15	25	60.00
12	111	QUCH	2	25	8.00
12	113	ABCO	22	59	37.29
12	113	PIJE	37	59	62.71
12	114	ABCO	6	10	60.00
12	114	PIJE	1	10	10.00
12	114	PILA	3	10	30.00

forest	plot	species	species_n	total_n	pct
12	115	ABCO	9	36	25.00
12	115	PIPO	9	36	25.00
12	118	PIJE	8	21	38.10
12	118	QUKE	12	21	57.14
12	120	PICOM	46	46	100.00
12	121	ABCO	20	42	47.62
12	121	PIJE	4	42	9.52
12	121	PILA	8	42	19.05
12	121	PIPO	3	42	7.14
12	121	QUCH	6	42	14.29
12	121	QUKE	1	42	2.38
12	123	PICO	6	19	31.58
12	123	PSMA	2	19	10.53
12	123	QUCH	5	19	26.32
12	123	QUKE	6	19	31.58
12	124	ABCO	1	61	1.64
12	124	PICO	6	61	9.84

forest	plot	species	species_n	total_n	pct
12	124	QUCH	54	61	88.52
12	125	ABCO	13	36	36.11
12	125	PIJE	13	36	36.11
12	125	QUCH	10	36	27.78
12	128	ABCO	17	33	51.52
12	128	CADE	11	33	33.33
12	128	PILA	1	33	3.03
12	128	QUCH	4	33	12.12
12	129	ABCO	10	11	90.91
12	129	PILA	1	11	9.09
12	131	QUCH	14	23	60.87
12	132	PICO	1	60	1.67
12	132	PSMA	1	60	1.67
12	132	QUCH	58	60	96.67
12	133	ABCO	4	63	6.35
12	133	CADE	32	63	50.79
12	133	PSMA	3	63	4.76

forest	plot	species	species_n	total_n	pct
12	133	QUCH	15	63	23.81
12	134	ABCO	6	33	18.18
12	134	PIJE	8	33	24.24
12	134	PILA	2	33	6.06
12	134	QUCH	17	33	51.52
12	136	ABCO	7	67	10.45
12	136	PIJE	11	67	16.42
12	136	QUCH	49	67	73.13
12	137	ABCO	2	7	28.57
12	137	PIJE	5	7	71.43
12	138	ABCO	23	40	57.50
12	138	PICOM	11	40	27.50
12	138	PILA	2	40	5.00
12	139	ABCO	2	29	6.90
12	139	PICOM	25	29	86.21
12	139	PILA	2	29	6.90
12	141	PSMA	13	24	54.17

forest	plot	species	species_n	total_n	pct
12	141	QUCH	10	24	41.67
12	142	QUCH	24	24	100.00
12	144	ABCO	1	30	3.33
12	144	CADE	1	30	3.33
12	144	PICO	3	30	10.00
12	144	PSMA	2	30	6.67
12	144	QUCH	23	30	76.67
12	146	ABCO	8	38	21.05
12	146	CADE	5	38	13.16
12	146	PILA	3	38	7.89
12	146	QUKE	8	38	21.05
12	147	ABCO	27	41	65.85
12	147	CADE	1	41	2.44
12	147	PIJE	2	41	4.88
12	147	PILA	4	41	9.76
12	147	QUKE	7	41	17.07
12	148	ABCO	24	63	38.10

forest	plot	species	species_n	total_n	pct
12	148	PILA	4	63	6.35
12	148	QUKE	35	63	55.56
12	150	QUCH	55	58	94.83
12	151	QUCH	12	15	80.00
12	152	QUCH	49	55	89.09
12	155	ABCO	9	50	18.00
12	155	CADE	8	50	16.00
12	155	PILA	7	50	14.00
12	155	QUCH	26	50	52.00
12	157	ABCO	1	16	6.25
12	157	PIJE	6	16	37.50
12	158	ABCO	1	19	5.26
12	158	PIJE	6	19	31.58
12	158	QUCH	11	19	57.89
12	159	PIJE	1	73	1.37
12	159	QUCH	50	73	68.49
12	160	ABCO	2	24	8.33

forest	plot	species	species_n	total_n	pct
12	160	CADE	1	24	4.17
12	160	PIJE	13	24	54.17
12	160	QUKE	7	24	29.17
12	161	ABCO	1	18	5.56
12	161	PIJE	9	18	50.00
12	161	QUKE	8	18	44.44
12	162	ABCO	1	10	10.00
12	162	PIJE	4	10	40.00
12	162	PILA	3	10	30.00
12	162	QUCH	2	10	20.00
12	164	ABCO	16	23	69.57
12	164	PIJE	4	23	17.39
12	164	QUKE	2	23	8.70
12	165	CADE	1	5	20.00
12	165	PIJE	2	5	40.00
12	169	ABCO	2	22	9.09
12	169	PICO	4	22	18.18

forest	plot	species	species_n	total_n	pct
12	169	PIJE	3	22	13.64
12	169	PILA	2	22	9.09
12	169	QUCH	11	22	50.00
12	170	PICO	1	34	2.94
12	170	PIJE	4	34	11.76
12	170	PILA	1	34	2.94
12	170	QUCH	27	34	79.41
12	172	ABCO	7	20	35.00
12	172	CADE	2	20	10.00
12	172	PIJE	7	20	35.00
12	172	PILA	1	20	5.00
12	172	QUKE	3	20	15.00
12	174	PICO	2	4	50.00
12	175	QUCH	21	23	91.30
12	177	PIJE	5	7	71.43
12	177	QUCH	1	7	14.29
12	178	QUCH	8	10	80.00

forest	plot	species	species_n	total_n	pct
12	179	CADE	6	11	54.55
12	180	ABCO	2	47	4.26
12	180	PILA	7	47	14.89
12	180	PSMA	5	47	10.64
12	180	QUCH	30	47	63.83
12	180	QUKE	3	47	6.38
12	181	QUCH	20	24	83.33
12	182	QUCH	8	10	80.00
12	185	QUCH	5	11	45.45
12	186	CADE	1	22	4.55
12	186	PSMA	1	22	4.55
12	186	QUCH	2	22	9.09
12	187	QUCH	4	20	20.00
12	189	PIJE	3	31	9.68
12	189	QUCH	26	31	83.87
12	190	PICO	6	31	19.35
12	190	QUCH	11	31	35.48

forest	plot	species	species_n	total_n	pct
12	191	PICO	1	12	8.33
12	191	QUCH	11	12	91.67
12	197	QUCH	15	35	42.86
12	199	QUCH	15	33	45.45
12	201	QUCH	11	51	21.57
12	202	PIJE	3	32	9.38
12	203	PIJE	3	28	10.71
12	205	QUCH	2	15	13.33
12	206	QUCH	5	10	50.00
12	208	PICOM	6	8	75.00
12	211	PICO	3	46	6.52
12	211	PIJE	5	46	10.87
12	211	PILA	1	46	2.17
12	213	PIJE	14	24	58.33
12	213	QUCH	8	24	33.33
12	215	PICO	2	19	10.53
12	215	QUCH	15	19	78.95

forest	plot	species	species_n	total_n	pct
12	218	QUCH	19	20	95.00
12	301	ABCO	19	35	54.29
12	301	PIJE	8	35	22.86
12	301	PILA	8	35	22.86
12	302	PICOM	7	13	53.85
12	304	ABCO	14	19	73.68
12	304	PIJE	2	19	10.53
12	304	PILA	3	19	15.79
12	305	PIJE	1	8	12.50
12	306	PIJE	18	18	100.00
12	308	PIJE	14	40	35.00
12	308	QUCH	4	40	10.00
12	308	QUKE	22	40	55.00
12	309	ABCO	29	50	58.00
12	309	PIJE	7	50	14.00
12	309	QUKE	14	50	28.00
12	310	ABCO	10	27	37.04

forest	plot	species	species_n	total_n	pct
12	310	PICO	1	27	3.70
12	310	PILA	4	27	14.81
12	310	PSMA	2	27	7.41
12	310	QUCH	10	27	37.04
12	312	ABCO	17	40	42.50
12	312	PIJE	12	40	30.00
12	312	PILA	1	40	2.50
12	312	QUKE	10	40	25.00
12	313	ABCO	6	72	8.33
12	313	CADE	32	72	44.44
12	313	PIJE	4	72	5.56
12	313	PILA	1	72	1.39
12	313	PSMA	1	72	1.39
12	313	QUCH	10	72	13.89
12	313	QUKE	17	72	23.61
12	314	PICO	1	16	6.25
12	314	PILA	4	16	25.00

forest	plot	species	species_n	total_n	pct
12	314	QUCH	5	16	31.25
12	314	QUKE	5	16	31.25
12	315	CADE	2	31	6.45
12	315	PICO	5	31	16.13
12	315	QUCH	10	31	32.26
12	315	QUKE	14	31	45.16
12	316	PSMA	10	24	41.67
12	316	QUCH	14	24	58.33
12	317	PICO	8	35	22.86
12	317	PIJE	3	35	8.57
12	317	QUCH	13	35	37.14
12	317	QUKE	11	35	31.43
12	318	ABCO	1	63	1.59
12	318	CADE	6	63	9.52
12	318	PIJE	22	63	34.92
12	318	PILA	6	63	9.52
12	318	QUCH	28	63	44.44

forest	plot	species	species_n	total_n	pct
12	319	ABCO	23	57	40.35
12	319	CADE	1	57	1.75
12	319	PIJE	14	57	24.56
12	319	QUKE	17	57	29.82
12	320	ABCO	47	68	69.12
12	320	PILA	7	68	10.29
12	320	PIPO	6	68	8.82
12	320	QUKE	8	68	11.76
12	321	ABCO	6	30	20.00
12	321	PIJE	9	30	30.00
12	321	QUKE	15	30	50.00
12	322	ABCO	5	42	11.90
12	322	CADE	6	42	14.29
12	322	PILA	2	42	4.76
12	322	PSMA	3	42	7.14
12	322	QUCH	7	42	16.67
12	322	QUKE	13	42	30.95

forest	plot	species	species_n	total_n	pct
12	323	ABCO	2	38	5.26
12	323	PICO	8	38	21.05
12	323	QUCH	10	38	26.32
12	323	QUKE	18	38	47.37
12	324	ABCO	19	44	43.18
12	324	CADE	3	44	6.82
12	324	PIJE	2	44	4.55
12	324	PILA	7	44	15.91
12	324	QUKE	13	44	29.55
12	325	CADE	1	44	2.27
12	325	PICO	4	44	9.09
12	325	QUCH	10	44	22.73
12	327	ABCO	3	26	11.54
12	327	PICOM	18	26	69.23
12	329	QUCH	1	14	7.14
12	330	ABCO	23	41	56.10
12	330	PICOM	15	41	36.59

forest	plot	species	species_n	total_n	pct
12	330	PIJE	2	41	4.88
12	331	ABCO	5	15	33.33
12	331	PIJE	10	15	66.67
12	332	ABCO	15	21	71.43
12	332	PIJE	1	21	4.76
12	332	PILA	3	21	14.29
12	332	QUCH	1	21	4.76
12	333	PIJE	19	19	100.00
12	334	PICO	12	13	92.31
12	603	QUCH	1	8	12.50
12	606	QUCH	10	19	52.63
12	609	CADE	9	40	22.50
12	609	PILA	1	40	2.50
12	609	PIPO	22	40	55.00
12	609	QUCH	2	40	5.00
12	609	QUKE	6	40	15.00
12	614	QUCH	22	33	66.67

forest	plot	species	species_n	total_n	pct
12	615	QUCH	49	54	90.74
12	619	PICOM	22	40	55.00
12	620	PIJE	10	11	90.91
12	621	ABCO	25	74	33.78
12	621	PILA	13	74	17.57
12	621	QUCH	36	74	48.65
12	624	PICO	3	35	8.57
12	624	PIJE	1	35	2.86

Tree Size Class for all NFs

Forest	Size Class (cm)	Count
01	0-5	2
01	5-20	5
01	20-40	10
01	40-60	8
01	60-80	24
01	80-100	14

Forest	Size Class (cm)	Count
01	100-120	5
01	120-140	1
02	0-5	1
02	20-40	5
02	40-60	1
02	60-80	2
07	0-5	4
07	5-20	28
07	20-40	41
07	40-60	20
07	60-80	41
07	80-100	20
07	100-120	8
07	120-140	3
07	>140	1
12	0-5	14
12	5-20	49

Forest	Size Class (cm)	Count
12	20-40	95
12	40-60	44
12	60-80	86
12	80-100	51
12	100-120	13
12	120-140	6
12	>140	2

Forest	Size Class (cm)	Species	Count
01	0-5	PIJE	2
01	5-20	ABCO	2
01	5-20	PIJE	2
01	5-20	PILA	1
01	20-40	ABCO	3
01	20-40	PIJE	6
01	20-40	PILA	1
01	40-60	ABCO	3

Forest	Size Class (cm)	Species	Count
01	40-60	PIJE	5
01	60-80	ABCO	11
01	60-80	PIJE	9
01	60-80	PILA	4
01	80-100	ABCO	1
01	80-100	CADE	1
01	80-100	PIJE	6
01	80-100	PILA	6
01	100-120	ABCO	1
01	100-120	CADE	1
01	100-120	PIJE	2
01	100-120	PILA	1
01	120-140	PIJE	1
02	0-5	PIJE	1
02	20-40	PIJE	5
02	40-60	PIJE	1
02	60-80	PIJE	2

Forest	Size Class (cm)	Species	Count
07	0-5	ABCO	1
07	0-5	PIJE	2
07	0-5	PILA	1
07	5-20	ABCO	4
07	5-20	PIJE	20
07	5-20	PILA	4
07	20-40	ABCO	7
07	20-40	PIJE	29
07	20-40	PILA	5
07	40-60	ABCO	4
07	40-60	CADE	2
07	40-60	PIJE	10
07	40-60	PILA	4
07	60-80	ABCO	8
07	60-80	CADE	1
07	60-80	PIJE	29
07	60-80	PILA	2

Forest	Size Class (cm)	Species	Count
07	60-80	PIPO	1
07	80-100	ABCO	3
07	80-100	CADE	3
07	80-100	PIJE	13
07	80-100	PILA	1
07	100-120	ABCO	4
07	100-120	PIJE	3
07	100-120	PILA	1
07	120-140	ABCO	1
07	120-140	PIJE	1
07	120-140	PIPO	1
07	>140	PIJE	1
12	0-5	ABCO	8
12	0-5	CADE	1
12	0-5	PILA	5
12	5-20	ABCO	29
12	5-20	CADE	4

Forest	Size Class (cm)	Species	Count
12	5-20	PIJE	13
12	5-20	PILA	3
12	20-40	ABCO	45
12	20-40	CADE	9
12	20-40	PIJE	28
12	20-40	PILA	8
12	20-40	PIPO	5
12	40-60	ABCO	21
12	40-60	CADE	6
12	40-60	PIJE	14
12	40-60	PILA	2
12	40-60	PIPO	1
12	60-80	ABCO	32
12	60-80	CADE	5
12	60-80	PIJE	32
12	60-80	PILA	12
12	60-80	PIPO	5

Forest	Size Class (cm)	Species	Count
12	80-100	ABCO	17
12	80-100	CADE	3
12	80-100	PIJE	23
12	80-100	PILA	5
12	80-100	PIPO	3
12	100-120	ABCO	7
12	100-120	CADE	1
12	100-120	PIJE	3
12	100-120	PILA	2
12	120-140	ABCO	3
12	120-140	CADE	1
12	120-140	PIJE	2
12	>140	CADE	1
12	>140	PIJE	1

Finalizing of FIA Data with YPMC Data