

(Valdéz and El Potrero de Payogasta, respectively), contexts within a single site, contents of samples from contexts both similar and opposite--samples from inside vs. those from outside the same structure, as well as areas of special activity or use, such as hearth, ash pit, or a ceramic vessel contexts.

All in all, a wide variety of charred wood materials was encountered at both sites of Valdéz and El Potrero de Payogasta. A total of 54 wood types were identified as being present in both site contents--17 of these 54 charred types were found at both sites. Individually, 47 charred wood types were present at El Potrero and 24 at Valdéz. A surprising find was that very few modern wood species were seen in the archaeological samples. Molle (Type AM; *Eschinus* sp.), a species thought to have been highly regarded by the Inka as well as widely used and seen along the rivers, was rarely discovered: it was found in only 5 samples. On the other hand, jarilla (Type AS) was commonly found in the provenience samples at both sites and still abounds in the northern Calchaquí Valley area today. Cardón cactus (Type A; *Trichocereus* sp.), another species that still abounds in the region surrounding El Potrero, was also frequently found in this site's samples, but not once was a cactus type encountered in a Valdéz provenience sample. Most probably this pattern of presence in both archaeological and modern collections shows that much of today's vegetation species covering and surrounding the archaeological sites were also present during the time when the Inka had control in the valley. The absence of archaeological woody material in the modern examples could mean several things: 1) the vegetation of the Calchaquí Valley has changed over the span of 500 years since the Inka empire, 2) materials that were present in either the archaeological samples or modern environment were not collected for the study, and/or 3) not all archaeological material was equally well preserved, thus, unknown woody types from the archaeological record were neither preserved nor identified. These problems could be avoided if historical research were conducted in order to document observed plant life during the first years that the Spanish were in the territory, a concentrated study were completed to confirm that contemporary species are part of the modern plant collection, and the researcher kept in mind that disparities in wood preservation may be found in all contexts. Burning conditions (wood type, age of wood, temperature of charring source, and use of wood and ashes) both during and after charring, environmental conditions (soil type, mineral content, erosion, and weather), and chosen sampling method are just a few factors affecting the survival of a charred wood fragments in the ground.

There were several wood types commonly found together within a single provenience sample. Namely, there were two main type associations: 1) type AA, type AO (monocot), and cactus (Type A) and 2) type AA and jarilla (Type AS). A reason why types AA, AO, and A (cactus) are regularly seen in conjunction with one another may relate to preservation conditions. Specifically, the cactus (Type A) and the monocot species (Type AO) are both delicate materials insofar that both disintegrate rapidly when exposed to a live flame. Thus, if these two types are exposed to the same conditions under which one delicate type survives, the other type would likely to endure as well. Conditions of preservation may have also influenced the presence of types AA and AS (jarilla) in the samples, but I believe that these two types were commonly encountered in the samples because they were a typical woody vegetation in the Calchaquí Valley during the Inka rule.

There is only a single area in which almost identical types of wood were used in more than one context--

the larger, circular structure between the elite habitations and central *ushnu* plaza at El Potrero (42=14-1; Figures 4 and 5). To date, the sequence of events within this structure is not fully understood; it is not known whether the large ceramic vessel and the hearth feature situated almost directly above it are associated with a single event. If these two contexts are not related, it may be possible to suggest that location does indeed play an important role in the distribution of wood throughout a site.

After reviewing many well preserved charred fragments associated with Inka/elite contexts at El Potrero, I was surprised to see such large quantities of woody materials used for fuel. In a number of cases, more than 12 l of charred material were collected from a single provenience. These high concentrations of well preserved material does not seem to suggest careful regulation of fuel or wood in terms of how much was used at a single time or at least it suggests that the upper-class citizens had easy access to important resources. Although, the unearthing of substantial wood and ash concentrations could be due to the repeated use of a dumping site, the charred material was often still found in its original context of burning in a good state of preservation. Hearth materials were, in general, not in a worse state of preservation than any other context. The relatively undamaged charred fragments usually suggests lower burning temperatures, little available oxygen during burning, or a shorter period of time exposed to a live flame. In sum, elite structures and accompanying contexts were associated with large quantities of charred materials that were fairly well preserved. In all of the examples examined, a very wide variety of materials were found to have been used. This observation probably relates to the supply of local materials: there were many species of shrubby plants and no one dominated the immediate area. Thus, the myriad suitable woody resources from the surrounding environment were greatly relied upon for the population's basic needs.

From all that has been seen, neither the location of a structure within the site nor its basic form played a role in respect to what types of wood were used. However, one conclusion was reached regarding construction supplies. After the review of several occupation levels (i.e. roof fall/upper layers of occupation zone vs. occupation zone), it was possible to predict that cactus (Type A) was an important roofing material for the inhabitants of El Potrero. Cactus was basically found inside structures, and in one instance, a high concentration of cactus was discovered in what was a context of roof fall. Today, cactus is still a preferred building material since it endures many years. Most cactus is seen in the form of roof or door paneling and frames. No cactus was encountered in any of the archaeological samples taken from Valdéz. This absence of cactus wood is evidence strongly supporting that today's environment is similar to what the inhabitants of Valdéz were accustomed: presently no large cactus grow at the site of Valdéz. The absence of cactus also sustains the idea that the people were generally constrained to the materials readily available to them in their surrounding environment.

It seems that both the inhabitants of the Inka installation at El Potrero and those people indigenous to the valley used a great variety of wood species on a daily basis. due to the fact that only wood fragments of small diameters (< 4 cm) were identified, probably most of the wood came from the branches of small shrubs and undergrowth. If any larger branches were exploited they were absent from any samples of either site. Probably, most types of vegetation utilized by the Inka and Diaguita are still being used in a similar matter in

the same regions today.

Appendix A: Modern Wood Collection

1990-9: "brea"

Very hard wood to cut when dry
Yellow-green colored wood
Mature wood has smaller thorns; younger twigs have thorns about 2x longer
5 Pieces sampled: 3 - 0.75 in. diameter pieces and 2 - 0.33 in. diameter pieces
Charring time: 1 hr. 45 min.

1990-15:

Twigs and wood chips
Wood easy to cut
6 pieces sampled: 3 - 0.5 in. diameter twigs and 3 - wood chips (from large, mature tree=
minimum 2 ft diam)
Charring time: twigs- 35 min.
wood chips- 1) 55 min. 2) 3 hrs. 5 min. 3) 7 hrs. 10 min.

1990-5:

Woody plant
Smaller branches
4 pieces: 4 - 0.66 in. diameter
Charring time: 30 min.

1990-56:

Very small diameter pieces
Bright yellow-green wood color
3 pieces sampled: 0.25 in. diameter
Charring time: 35 min.

1990-36:

Brown-red colored bark
Wood fairly easy to cut
4 pieces sampled: 2 - .66 in. diameter and 2 - 0.5 in. diameter
Charring time: 1 hr.

1990-24:

Hollow cane with outer sheath
Easy to cut
5 pieces sampled: 3 - 0.66 in. diameter and 2 - 0.33 in. diameter
Charring time: 1 hr.

1990-35:

Wood difficult to cut
6 pieces sampled: 2 - 0.33 in. diameter, 3 - 0.25 in. diameter, and 1 piece of bark
Charring time: 2 hrs. 15 min.

1990-17:

Very tough wood to cut
5 pieces sampled: 3 - 1 in. diameter and 2 - 0.25 in. diameter,
Charring time: 1 - 0.25 in. piece- 55 min.
4 - pieces- 2 hrs.

1990-40: "cactus"

Wood very easy to cut: "soft"
6 pieces sampled: 3 - with smaller openings and 3 - with larger openings
Charring time: 3 - pieces- 1 hr. 30 min.
3 - pieces- 2 hrs.
Comments: Cactus wood burst into flames as aluminum foil was opened; flame put out with water

1990-20: *Chenopodium* sp.

Stalk-like: grass/weed
4 pieces sampled: 1 - 0.33 in. diameter and 1 - 0.25 in. diameter
Charring time: 40 min.

1990-6:

Branches and root samples
5 pieces sampled: 3 - 0.66 in. diameter, 3 - 0.33 in. diameter, and 1 piece of root - 1.0 in. diameter
Charring time: 3 - pieces- 1 hr. 5 min.
3 - pieces- 1 hr. 40 min.
Comments: Root began to glow as aluminum foil was opened; put ember out with water

1990-18:

Stalky weed type
Very easy to cut
4 pieces sampled: 4 - 0.33 in. diameter
Charring time: 30 min.
Comments: One piece was disintegrated

1990-11:

A yellow-green growth (fungus/moss) on branches
Soft pithy center
5 pieces sampled: 5 - 0.33 in. diameter
Charring time: 30 min.

1990-14: "sauce"

Very easy to cut
5 pieces sampled: 3 - 0.66 in. diameter and 2 - 0.5 in. diameter
Charring time: 35 min.
Comments: 1990-82 also was designated as "sauce"

1990-8:

Possibly woody stem
Snapped easily in half
Small stickers/thorns
5 pieces sampled: 3 - 0.66 in. diameter and 2 - 0.33 in. diameter
Charring time: 3 pieces- 35 min.
1 piece- 55 min.
1 piece- 1 hr. 55 min.

1990-83: "cactus roots"

4 pieces sampled: 2 - 2.25 in. diameter and 2 - 0.75 in. diameter
Charring time: 3 pieces- 45 min.
1 piece- 1 hr. 10 min.
Comments: The root was moldy before it was dried out for charring
One root piece burst into flames as the aluminum foil was opened; flame put
out with water

1990-47: "molle"

Weather beaten and gnarled bark
5 pieces sampled: 3 - 0.75 in. diameter and 2 - 0.33 in. diameter
Charring time: 1 piece- 30 min.
3 pieces- 1 hr. 50 min.
1 piece- 1 hr. 30 min.
Comments: 1990-72 also thought to be "molle"

1990-72: "molle"

5 pieces sampled: ranged from 1.25 in. to 0.75 in. in diameter
Charring time: 3 pieces- 30 min.
4 pieces- 1 hr. 35 min.
1 piece- 3 hrs.
Comments: 1990-47 also was designated as "molle"

1990-60: "molle"

woody stemmed plant: "shrubby"
5 pieces sampled: 4 - 0.66 in. diameter and 1 - 0.33 in. diameter
Charring time: 1 piece- 25 min.
2 pieces- 1 hr. 5 min.
2 pieces- 1 hr. 30 min.

1990-82:

Old dead-wood
Easy to cut
5 pieces sampled: 3 - 1.25 in. diameter and 2 - 0.75 in. diameter
Charring time: 3 pieces- 50 min.
2 pieces- 1 hr. 45 min.

1990-74:

Stalky plant stem
Very easy to cut

5 pieces sampled: 3 - 0.75 in. diameter and 2 - 0.5 in. diameter

Charring time: 4 pieces- 35 min.
1 piece- 1 hr. 5 min.

1990-71:

Very gnarled branches

Wood is hard as rock

4 pieces sampled: 2 - 0.75 in. diameter and 2 - 0.33 in. diameter

Charring time: 2 pieces- 50 min.
1 piece- 1 hr. 10 min.
1 piece- 2 hrs. 25 min.

1990-78:

Hard wood

Long-thorned branches

4 pieces sampled: 1 - 0.4 in. diameter, 2 - 0.25 in. diameter, and 2 - 0.15 in. diameter

Charring time: 1 piece- 35 min.
2 pieces- 1 hr. 15 min.
1 piece- 3 hrs. 20 min.

1990-68:

Woody stalk

Grayish to brown "bark"

Branch breaks easily apart into long strips

5 pieces sampled: 2 - 0.5 in. diameter and 3 - 0.4 in. diameter

Charring time: 4 pieces- 1 hr.
1 piece- 1 hr. 35 min.

1990-77:

Easily broken twigs

4 pieces sampled: 4 - 0.4 in. diameter

Charring time: 2 pieces- 40 min.
1 piece- 1 hr. 10 min.
1 piece- 1 hr. 30 min.

1990-75:

4 pieces sampled: 3 - 0.5 in. diameter and 1 - 0.33 in. diameter

Charring time: 3 pieces- 40 min.
1 piece- 1 hr.

Comments: Piece was very moldy and soft before charring

1990-13: "maize"

Monocot

3 pieces sampled

Charring time: 3 pieces- 2 hrs.

1990-32: "jarilla"

Charring time: 1 piece- 1 hr. 30 min.
2 pieces- 2 hrs. 40 min.

Appendix B. prov densities

Appendix B: Wood Densities

SCREEN SAMPLES:

SCREEN		Density (pcs/l)	CC
Proveniences:			
P17	42=5-20-2-4-3	339.13	250
P6	42=15-90-1-4-3	180.00	410
P9	42=14-1-2-6-2	174.00	498
P8	42=21-51-1-3-2	21.20	420
P4	42=4-20-8-8-1	17.39	390
P13	42=7-50-1-4-1	6.72	211
V1	12=3-41-1-9-9	3.88	390
V3	12=1-50-3-5-1	3.60	390
V2	12=4-40-3-3-2	2.90	330
P18	42=7-50-1-5-4	2.57	419
P1	42=7-20-6-2-1	1.28	330
P27	42=4-20-1-8-1	1.18	300
P5	42=40-1-2-4-2	1.16	420
P26	42=14-1-2-4-1	1.00	311
P14	42=16-50-1-4-2	1.00	310
P21	42=17-20-5-3-1	1.00	330
P12	42=21-50-2-2-1	0.90	390
P2	42=7-20-6-3-1	0.76	301
P16	42=5-20-2-4-1	0.36	311
P3	42=16-1-3-3-1	0.33	310
P25	42=15-90-1-4-1	0.31	312
P11	42=21-20-1-3-1	0.08	390

CC = Cultural Context	
211	medium density midden
250	high density midden
300	surface not clearly compact
301	surface/floor inside structure
310	occupation zone
311	occupation zone; soil laid down inside during use
312	occupation zone; soil laid down outside during use
313	dense occupation zone
330	roof fall onto floor/floor contact
342	floor
343	compact surface outside structure
390	possible occupation zone
410	pit filled with ash
419	pit filled with charred material
420	hearth
498	fill fom inside ceramic vessel
595	burial in ceramic vessel
620	cultural fill

FLOT SAMPLES:

SCATTER		Density (pcs/l)	CC
Proveniences:			
P5	42=40-1-2-4-2	571.43	420
P14	42=16-50-1-4-2	141.62	310
V2	12=4-40-3-3-2	79.17	330
P21	42=17-20-5-3-1	40.32	330
P15	42=16-50-4-3-3	22.57	343
P2	42=7-20-6-3-1	16.17	301

BULK		Density (pcs/l)	CC
Proveniences:			
P6	42=15-90-1-4-3/1	3132.40	410
P13	42=7-50-1-4-1/4	1234.17	211
P27	42=4-20-1-8-1/4	650.33	300
P4	42=4-20-8-8-1/3	309.40	390
P23	42=40-1-2-4-1/11	245.45	342
P17	42=5-20-2-4-3/11	156.25	250
V1	12=3-41-1-9-9/1	72.61	390
P12	42=21-50-2-2-1/3	53.92	390
P7	42=21-51-1-3-1/1	49.33	310
P26	42=14-1-2-4-1/1	44.48	311
P15	42=16-50-4-3-3/3	40.00	343
P9	42=14-1-2-6-2/1	38.50	498
P16	42=5-20-2-4-1/21	33.68	311
P19	42=41-50-1-2-1/1	31.22	595
P1	42=7-20-6-2-1/1	28.00	330
P20+	42=9-50-3-3-1/3	20.29	620
P10	42=14-1-2-6-3/1	19.50	420
P11	42=21-20-1-3-1/1	14.00	390
P20	42=9-50-1-3-1/1	11.14	620
P25	42=15-90-1-4-1/1	10.67	312
P28	42=4-20-5-3-2/2	9.20	313
V3	12=1-50-3-5-1/1	8.78	390
P22	42=4-50-1-4-1/1	6.80	390
P22+	42=4-50-1-7-1/1	6.71	390
P24	42=15-90-13-6-1/1	5.67	390
P3	42=16-1-3-3-1/1	0.24	310

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Toronton wood to flot boxes:

Wood IDs.raw data

make sure tag is
with wood
specimen before
returning to
flot box.

√	Prov	Vial	Pc	Vial Type	Flot	Quant	Cate	ID	Div/sic	Cond	CC
		modern 1990-05		box		0		R	2	no	modern
x	modern	1990-06		box		0		AS		no	
	modern	1990-06	root	box		0				no	
x	modern	1990-08		box		0	ZY	BF		no	modern
x	modern	1990-15		box		0		BD		no	
	modern	1990-15	twig	box		0				no	
	modern	1990-17		box		0	N			no	
x	modern	1990-32		box		0	ZV	AS		no	
y	modern	1990-36		box		0				no	
x	modern	1990-40		box		0		A		no	
x	modern	1990-47		box		0		AM		no	modern
x	modern	1990-60		box		0		R	2	no	modern
	modern	1990-68		box		0				no	modern
x	modern	1990-71		box		0		AN		no	modern
x	modern	1990-72		box		0		AM		no	modern
	modern	1990-74		box		0				no	
	modern	1990-75		box		0				no	
	modern	1990-78		box		0		'C'		no	
	modern	1990-83		box		0	A	'A'		no	
x	P.1	1		flot	b	1		noID		D	330
x	P.1	1	A	screen		1	A	A		no	330
x	P.1	1	B	screen		1	A	A		no	330
x	P.1	1	C	screen		1	A	A		no	330
x	P.1	1	D	screen		1	A	A		no	330
x	P.1	2	A	flot	b	1	ZT	C		no	330
x	P.1	2	B	flot	b	1	ZT	C		no	330
x	P.1	2	A	screen		1	M	Pk	3	no	330
x	P.1	2	B	screen		1	M	Pk	1	no	330
x	P.1	2	C	screen		1	M	Pk	3	no	330
x	P.1	2	D	screen		1	M	Pk	2	no	330
x	P.1	3		flot	b	1		noID		C	330
x	P.1	3	A	screen		1	ZX	V		no	330
x	P.1	3	B	screen		1	N	K		no	330
x	P.1	4		flot	b	1	ZV	AS		no	330
x	P.1	4		screen		2	M	Pk	1	no	330
x	P.1	5		flot	b	1	M	Pk	2	T,no	330
x	P.1	5	A	screen		1	M	BL	1	no	330
x	P.1	5	B	screen		1	M	Pk	1	no	330
x	P.1	6		flot	b	1	M	Pk	2	no	330
x	P.1	6		screen		1	M	Pk	1	no	330
x	P.1	7		flot	b	1	M	noID		T	330
x	P.1	7		screen		1	M	Pk	1	no	330
x	P.1	8		flot	b	1	M	BL		no	330
x	P.1	8		screen		1	M	Pk	1	no	330
x	P.1	9		flot	b	1	M	Pk	1	no	330
x	P.1	9		screen		1	M	Pk	1	no	330
x	P.1	9		screen		1	M	Pk	1	no	330
x	P.1	10		flot	b	1		AO		no	330
x	P.1	11		flot	b	1		AA	3	no	330
x	P.1	153	A	screen		1	M	Pk	1	C	330
x	P.1	153	B	screen		1	M	Pk	1	no	330
x	P.1	205	A	flot	b	1	A	A		no	330
x	P.1	205	B	flot	b	1	A	A		no	330
x	P.1	205	C	flot	b	1	A	A		no	330
x	P.1	205	D	flot	b	2	A	A		no	330
x	P.1	205	E	flot	b	2	A	A		no	330
x	P.1	205	F	flot	b	1	A	A		no	330
x	P.2	10	A	screen		1	A	A		T,no	301
x	P.2	10	B	screen		1	A	A		T,no	301
x	P.2	10	C	screen		1	A	A		no	301
x	P.2	11		screen		1		AA	1	T	301
x	P.2	12		flot	s	1	ZX	V		no	301
x	P.2	12	A	screen		1	ZX	V		no	301
x	P.2	12	B	screen		1	ZX	V		no	301
x	P.2	13		flot	s	1	ZX	R	2	no	301
x	P.2	13		screen		1	ZT	C		no	301
x	P.2	14		flot	s	1		noID		C	301
x	P.2	14	A	screen		1	M	Pk	1	no	301

Wood IDs.raw data

√	Prov	Vial	Pc	Vial Type	Flot	Quanti	Cat	ID	Divisic	Cond	CC
x	P.2	14	B	screen		1	M	Pk	1	no	301
x	P.2	15	A	flot	s	1	JJ	noID	AI	D	301
x	P.2	15	B	flot	s	1	JJ	AI	AL	no	301
x	P.2	15	C	flot	s	1	JJ	AI		SD,D	301
x	P.2	15	A	screen		1		AA	3	no	301
x	P.2	15	B	screen		1		AA	1	no	301
x	P.2	15	C	screen		1		AA	1	no	301
x	P.2	15	D	screen		1		AA	1	no	301
x	P.2	16	A	flot	s	1	ZX	R	1	SD,T	301
x	P.2	16	B	flot	s	1	ZX	V	2	T	301
x	P.2	16	A	screen		1	FP	F	1	no	301
x	P.2	16	B	screen		1	FP	F	1	no	301
x	P.2	17		flot	s	1		L		T	301
x	P.2	17	A	screen		2	M	Pk	1	no	301
x	P.2	17	B	screen		1		noID	AW	D/SD	301
x	P.2	18		flot	s	2		AA	3	no	301
x	P.2	18		screen		1		J		SD	301
x	P.2	19		flot	s	1	ZZ	EE		no	301
x	P.2	19		screen		1	ZX	R	2	no	301
x	P.2	20	A	flot	s	1		noID		D/SD	301
x	P.2	20	B	flot	s	1		AG		no	301
x	P.2	21		flot	s	2		noID		T	301
x	P.2	22	A	flot	s	1		noID		D	301
x	P.2	22	B	flot	s	1	N	noID		D	301
x	P.2	206	A	flot	s	1	MN	C	Pk	no	301
x	P.2	206	B	flot	s	1		EN		T,SD	301
x	P.3	29		screen		1	ZX	R	2	no	310
x	P.3	30		screen		1	JJ	AJ		no	310
x	P.3	31		screen		1		AM		no	310
x	P.3	32		flot	b	1		AH		no	310
x	P.3	32		screen		1	MN	noID	C/G	T	310
x	P.3	33		flot	b	1		AN		D	310
x	P.3	33		screen		2		AA	1/3	SD	310
x	P.3	34	A	flot	b	1	ZT	C		T	310
x	P.3	34	B	flot	b	1	M	noID	B	T	310
x	P.3	34		screen		1		AK	BD	no	310
x	P.3	35		flot	b	1	A	AB		no	310
x	P.3	35		screen		1		G		SD,D	310
x	P.3	36		flot	b	1		AM		no	310
x	P.3	36		screen		1	M	Pk		no	310
x	P.3	37	A	flot	b	1		noID		D	310
x	P.3	37	B	flot	b	1		noID		D,T	310
x	P.3	37	C	flot	b	1		noID		D	310
x	P.3	37	D	flot	b	1		noID		D	310
x	P.3	37		screen		1		noID		D	310
x	P.4	51	A	screen		1	ZX	S		no	390
x	P.4	51	B	screen		1	ZX	S		no	390
x	P.4	52	A	screen		1	ZX	R	1	no	390
x	P.4	52	B	screen		1	ZX	R	2	no	390
x	P.4	53	A	screen		1		noID		D	390
x	P.4	53	B	screen		1	JJ	AI	AJ	no	390
x	P.4	53	C	screen		1	JJ	AJ		no	390
x	P.4	54		flot	b	1	ZX	S		no	390
x	P.4	54		screen		1	JJ	AI		no	390
x	P.4	55		flot	b	1		U		Y	390
x	P.4	56	A	flot	b	1	JJ	AD	AI	no	390
x	P.4	56	B	flot	b	1		AA	4	no	390
x	P.4	56	C	flot	b	1		AA	4	no	390
x	P.4	57		flot	b	1		noID		T,SD	390
x	P.4	58	A	flot	b	1	JJ	AI		no	390
x	P.4	58	B	flot	b	1	JJ	AI		D	390
x	P.4	59		flot	b	1	M	Pk	1	no	390
x	P.4	60		flot	b	1	ZX	R	2	no	390
x	P.4	152	A	screen		1	ZX	R		D	390
x	P.4	152	B	screen		1	ZY	W		no	390
x	P.5	55	A	screen		1		noID		C,T	420
x	P.5	55	B	screen		1	ZT	C		no	420
x	P.5	55	C	screen		1	ZT	C		SD	420
x	P.5	55	D	screen		1	ZT	C		C	420

Wood IDs.raw data

√	Prov	Vial	Pc	Vial Type	Flot	Quant	Cate	ID	Divisic	Cond	CC
x	P.5	55	E	screen		1		noID		C	420
x	P.5	56		screen		1		AA	3	SD/D	420
x	P.5	57	A	screen		1	ZT	C		no	420
x	P.5	57	B	screen		1	ZT	C		no	420
x	P.5	57	C	screen		1	ZT	C		no	420
x	P.5	58		screen		1	A	A		no	420
x	P.5	61	A	flot	s	1	M	Pk	1	no	420
x	P.5	61	B	flot	s	1	ZT	C		no	420
x	P.5	62	A	flot	s	1		AR		no	420
x	P.5	62	B	flot	s	1		AR		no	420
x	P.5	63		flot	s	1		AO		no	420
x	P.5	64		flot	s	1	ZV	AS		no	420
x	P.5	65		flot	s	1	ZY	W		no	420
x	P.5	66		flot	s	1		AQ		no	420
x	P.5	67		flot	s	1	ZX	V		no	420
x	P.5	68		flot	s	1		noID	G	T,SD	420
x	P.6	59	A	screen		1	JJ	AI		D,SD	410
x	P.6	59	B	screen		1	JJ	AI		SD	410
x	P.6	59	C	screen		1	JJ	AI		no	410
x	P.6	59	D	screen		1	JJ	AJ		no	410
x	P.6	59	E	screen		1	JJ	AI		no	410
x	P.6	59	F	screen		1	JJ	AI		SD	410
x	P.6	60		screen		1	ZX	AX		no	410
x	P.6	61	A	screen		1	ZX	V	2	no	410
x	P.6	61	B	screen		1	ZX	V	2	D	410
x	P.6	69	A	flot	b	1	ZX	V	1	no	410
x	P.6	69	B	flot	b	1	ZX	V	1	no	410
x	P.6	69	C	flot	b	1	ZX	V	1	no	410
x	P.6	70	A	flot	b	1	JJ	noID		D	410
x	P.6	70	B	flot	b	1	JJ	AI		no	410
x	P.6	70	C	flot	b	1	JJ	noID		D	410
x	P.6	70	D	flot	b	1	JJ	AI	AD	no	410
x	P.6	71		flot	b	1	ZX	R	1	SD	410
x	P.6	72		flot	b	1	JJ	AJ		SD	410
x	P.6	73		flot	b	1	JJ	AJ		no	410
x	P.6	151		screen		1	ZX	V	2	no	410
x	P.7	74		flot	b	1	M	Pk	1	C	310
x	P.7	75	A	flot	b	1	JJ	BA		no	310
x	P.7	75	B	flot	b	1	JJ	AJ		SD	310
x	P.7	76		flot	b	1	M	AZ		no,T	310
x	P.7	77		flot	b	1		L		no,T	310
x	P.7	78		flot	b	1	ZX	Q		C,SD	310
x	P.7	79		flot	b	1	N	noID		T	310
x	P.7	80	A	flot	b	1		noID		D	310
x	P.7	80	B	flot	b	1		GR		no	310
x	P.7	80	C	flot	b	1		L		SD	420
x	P.8	62		screen		1	ZX	V	1	no	420
x	P.8	63	A	screen		1	JJ	noID		SD/D	420
x	P.8	63	B	screen		1	JJ	AI		SD	420
x	P.8	63	C	screen		1	JJ	noID		D/SD	420
x	P.8	64		screen		1	ZZ	X	1	no	420
x	P.8	65		screen		1	ZX	R		T,SD	420
x	P.8	66	A	screen		1	ZX	R	2	no	420
x	P.8	66	B	screen		1	ZX	R	1	SD	420
x	P.8	67		screen		1	N	T	noID	T,SD	420
x	P.8	68		screen		1	JJ	noID	AI	T,SD	420
x	P.9	69		screen		1	A	A		no	498
x	P.9	70	A	screen		1	A	A		no	498
x	P.9	70	B	screen		1	A	A		no	498
x	P.9	71	A	screen		1	A	A		no	498
x	P.9	71	B	screen		1	A	A		no	498
x	P.9	71	C	screen		1	A	A		no	498
x	P.9	71	D	screen		1	A	A		no	498
x	P.9	71	E	screen		1	A	A		no	498
x	P.9	72		screen		1		AO		no	498
x	P.9	73		screen		1		AO		no	498
x	P.9	81	A	flot	b	1	A	A		no	498
x	P.9	81	B	flot	b	1	A	A		no	498
x	P.9	81	C	flot	b	1	A	A		no	498

Wood IDs.raw data

√	Prov	Vial	Pc	Vial_Type	Flot	Quanti	Cate	ID	Divisic	Cond	CC
x	P.9	81	D	flot	b	1	A	A		no	498
x	P.9	81	E	flot	b	1	A	A		SD	498
x	P.9	82		flot	b	1		AO		no	498
x	P.9	83	A	flot	b	1		AA	3	T	498
x	P.9	83	B	flot	b	1		AA	3	no	498
x	P.9	83	C	flot	b	1		AA	3	no	498
x	P.9	84		flot	b	1		'AO'		T	498
x	P10	85	A	flot	b	1	A	A		T,no	390
x	P10	85	B	flot	b	1	A	A		T,SD	390
x	P10	86	A	flot	b	1		noID		C,T	390
x	P10	86	B	flot	b	1		AA		C	390
x	P10	87		flot	b	1	ZZ	X	noID	D	390
x	P10	88		flot	b	1		noID	AA-5	T	390
x	P10	89	A	flot	b	1		AA	2	SD	390
x	P10	89	B	flot	b	1		AA	2	SD	390
x	P10	89	C	flot	b	1		AA	2	SD	390
x	P10	90	A	flot	b	1		AO		no	390
x	P11	74	A	screen		1	FP	E	1	no	390/670
x	P11	74	B	screen		1	FP	E	1	no	390/670
x	P11	75		screen		1	ZV	AS		C	390/670
x	P11	76		screen		1	A	A		no	390/670
x	P11	77	A	screen		1	MN	C		no	390/670
x	P11	77	B	screen		1	MN	C		no	390/670
x	P11	77	C	screen		1	MN	C		no	390/670
x	P11	77	D	screen		1	MN	C		no	390/670
x	P11	77	E	screen		1	MN	C		no	390/670
x	P11	78		screen		1		L		SD	390/670
x	P11	91	A	flot	b	1		noID		D	390/670
x	P11	91	B	flot	b	1		noID		T	390/670
x	P11	92		flot	b	1	ZY	BF		no	390/670
x	P11	93	A	flot	b	1	ZV	AS		no	390/670
x	P11	93	B	flot	b	1	ZV	AS		no	390/670
x	P11	93	C	flot	b	1	ZV	AS		no	390/670
x	P11	94		flot	b	1	N	T	C	T	390/670
x	P11	95		flot	b	1	ZX	noID	R	T	390/670
x	P11	96		flot	b	1	ZY	W		SD	390/670
x	P11	97		flot	b	1	ZX	V	1	T,no	390/670
x	P12	79		screen		1	JJ	AI		SD	390/670
x	P12	80		screen		1	ZX	V	1	no	390/670
x	P12	81		screen		1	JJ	AI		SD,D	390/670
x	P12	82	A	screen		1	N	C		no	390/670
x	P12	82	B	screen		1	M	Pk	1	T	390/670
x	P12	82	C	screen		1	M	Pk	1	T	390/670
x	P12	82	D	screen		1	M	noID		T	390/670
x	P12	83		screen		1		noID		D	390/670
x	P12	84		screen		1	ZV	AS		no	390/670
x	P12	85		screen		1	M	Pk	1	no	390/670
x	P12	98	A	flot	b	1	ZV	AS		no	390/670
x	P12	98	B	flot	b	1	ZV	AS		no	390/670
x	P12	99		flot	b	1	ZX	R	3	no	390/670
x	P12	100		flot	b	1		AA	3	no	390/670
x	P12	101		flot	b	1		noID		D	390/670
x	P12	102		flot	b	1	M	Pk	3	T,no	390/670
x	P12	103		flot	b	1		AA	3	no	390/670
x	P12	104		flot	b	1	JJ	noID		T	390/670
x	P12	105		flot	b	1	ZX	R	2	no	390/670
x	P12	106		flot	b	1	ZX	V	1	no	390/670
x	P13	86	A	screen		1	JJ	AI	AL	SD	211
x	P13	86	B	screen		1	JJ	AI	AL	no	211
x	P13	87		screen		1	ZZ	X	noID	D	211
x	P13	88		screen		1	ZV	AS		no	211
x	P13	89		screen		1	AA		3	D	211
x	P13	90		screen		1	ZX	R	1	no	211
x	P13	91	A	screen		1		AT		SD	211
x	P13	91	B	screen		1		AT		no	211
x	P13	92		screen		1	ZX	V	1	no	211
x	P13	93		screen		1	ZT	C		SD	211
x	P13	107	A	flot	b	1	ZX	R	3	no	211
x	P13	107	B	flot	b	1	ZX	R	2	no	211

Wood IDs.raw data

√	Prov	Vial	Pc	Vial Type	Flot	Quanti	Cats	ID	Divisio	Cond	CC
x	P13	108		flot	b	1	JJ	BA		no	211
x	P13	109	A	flot	b	1		AU		no	211
x	P13	109	B	flot	b	1		AU		T,B	211
x	P13	110	A	flot	b	1	ZX	R	1	SD	211
x	P13	110	B	flot	b	1		noID		D	211
x	P13	111		flot	b	1	ZV	AS		no	211
x	P13	112		flot	b	1		noID		D	211
x	P13	113		flot	b	1	FP	E	1	no	211
x	P14	94	A	screen		1	A	A		no	310
x	P14	94	B	screen		1	A	A		no	310
x	P14	95	A	screen		1	M	BL	1	no	310
x	P14	95	B	screen		1	M	BL	1	no	310
x	P14	95	C	screen		1	M	BL	3	no	310
x	P14	95	D	screen		1	ZT	C		no	310
x	P14	96		screen		1		AM		no	310
x	P14	97	A	screen		1	ZJ	O		no	310
x	P14	97	B	screen		1	ZJ	O		no	310
x	P14	98		screen		1		AA	3	C	310
x	P14	114	A	flot	s	1	M	BL	1	no	310
x	P14	114	B	flot	s	1		BN		SD	310
x	P14	114	C	flot	s	1	M	Pk		no	310
x	P14	114	D	flot	s	1	M	BL	2	no	310
x	P14	114	E	flot	s	1	M	BL	1	T	310
x	P14	115	A	flot	s	1	ZV	AS		no	310
x	P14	115	B	flot	s	1	ZV	AS		no	310
x	P14	116		flot	s	1		AO		no	310
x	P14	117		flot	s	1		AF		no	310
x	P14	118		flot	s	1	ZX	R	1	no	310
x	P15	119	A	flot	b	1	JJ	AJ		SD,D	343
x	P15	119	B	flot	b	1	JJ	AI		SD,T	343
x	P15	120	A	flot	b	1	ZZ	BE		no	343
x	P15	120	B	flot	b	1	ZZ	BE		T	343
x	P15	121	A	flot	b	1		noID		D	343
x	P15	121	B	flot	b	1		noID		D	343
x	P15	121	C	flot	b	1		noID		D	343
x	P15	121	D	flot	b	1		noID		D	343
x	P15	121	E	flot	b	1		noID		D	343
x	P15	121	F	flot	b	1		noID	Pk-3	T,SD	343
x	P15	122	A	flot	s	1	JJ	AI		no,SD	343
x	P15	122	B	flot	s	1	JJ	AI		no,SD	343
x	P15	123	A	flot	s	1	ZX	R	2	no	343
x	P15	123	B	flot	s	1	ZX	R	2	no,T	343
x	P15	123	C	flot	s	1		noID		no	343
x	P15	123	D	flot	s	1		noID		T	343
x	P15	124		flot	s	1	ZX	V	1	T	343
x	P15	125	A	flot	s	1		AA	6	T	343
x	P15	125	B	flot	s	1		AA	6	no	343
x	P15	126		flot	s	1	A	AV		no,T	343
x	P16	99	A	screen		1		noID		D	311
x	P16	99	B	screen		1		noID		D	311
x	P16	100		screen		1	JJ	AI		no	311
x	P16	101		screen		1	M	F	2	no	311
x	P16	102		screen		1	FP	E	1	no,T	311
x	P16	103	A	screen		1	ZX	V	2	no	311
x	P16	103	B	screen		1	ZX	V	2	C,D	311
x	P16	104		screen		1	M	noID		D	311
x	P16	105		screen		1	ZV	AS		no	311
x	P16	106		screen		1		noID		C	311
x	P16	127	A	flot	b	1	JJ	AI		no	311
x	P16	127	B	flot	b	1	JJ	AI	AD	no	311
x	P16	127	C	flot	b	1	JJ	AD	AL	no	311
x	P16	128	A	flot	b	1		noID		D	311
x	P16	128	B	flot	b	1	JJ	noID	AD	T	311
x	P16	128	C	flot	b	1		noID		T,SD	311
x	P16	129	A	flot	b	1		noID		T,D	311
x	P16	129	B	flot	b	1		noID		T,D	311
x	P16	129	C	flot	b	1		noID		T,D	311
x	P16	130		flot	b	1		noID		R	311
x	P17	107	A	screen		1	ZX	R	1	no	250

Wood IDs.raw data

√	Prov	Vial	Pc	Vial_Type	Flot	Quant	Cate	ID	Divisic	Cond	CC
x	P17	107	B	screen		1	ZX	V	1	no	250
x	P17	107	C	screen		1	ZX	R	1	no	250
x	P17	108	A	screen		1	JJ	AJ		D,SD	250
x	P17	108	B	screen		1	JJ	AJ		SD,D	250
x	P17	108	C	screen		1	JJ	AI	AL	SD	250
x	P17	109		screen		1	JJ	AI	AJ	SD	250
x	P17	110		screen		1	ZZ	X		C	250
x	P17	111		screen		1	JJ	AJ	AI	SD,D	250
x	P17	112		screen		1		ED		no	250
x	P17	131		flot	b	1		AA	3	C	250
x	P17	132	A	flot	b	1	ZX	R	1	T,D	250
x	P17	132	B	flot	b	1		noID		D,Y	250
x	P17	132	C	flot	b	1	ZX	R	1	no	250
x	P17	133	A	flot	b	1	JJ	noID		SD,D	250
x	P17	133	B	flot	b	1	JJ	noID	AL/AD	SD	250
x	P17	133	C	flot	b	1	JJ	noID	AL/AD	D,SD	250
x	P17	134		flot	b	1		noID		T	250
x	P17	135		flot	b	1		L		no	250
x	P17	136		flot	b	1		AN		SD	250
x	P18	1	A	dryscr		1	ZV	AS		no	419
x	P18	1	B	dryscr		1	ZV	AS		no	419
x	P18	2		dryscr		1	ZX	R	1	no	419
x	P18	3		dryscr		1		AA	3	SD	419
x	P18	4		dryscr		1	JJ	AJ	AI	no	419
x	P18	5		dryscr		1		GR		no	419
x	P18	6		dryscr		1	ZY	W		no	419
x	P18	7		dryscr		1	ZX	R	2	no	419
x	P18	8		dryscr		1		AU		no	419
x	P18	9		dryscr		1	N	noID		T	419
x	P18	113		screen		1	ZX	R	1	no	419
x	P18	114		screen		1		AU		T	419
x	P18	115		screen		1		noID		SD/D	419
x	P18	116		screen		1	ZZ	BE		no	419
x	P18	117	A	screen		1	JJ	AD	AI	C	419
x	P18	117	B	screen		1		noID		C	419
x	P18	118		screen		1	ZX	R	2	no	419
x	P18	119	A	screen		1	N	E	1	no	419
x	P18	119	B	screen		1	N	E	1	no	419
x	P18	120		screen		1	JJ	AI	AD	no	419
x	P19	137	A	flot	b	1	ZY	W		no	595
x	P19	137	B	flot	b	1	ZY	W		C	595
x	P19	137	C	flot	b	1	ZY	W		no	595
x	P19	138		flot	b	1	ZX	V	2	no	595
x	P19	139		flot	b	1		noID		T,SD	595
x	P19	140	A	flot	b	1		noID		D	595
x	P19	140	B	flot	b	1		noID		D	595
x	P19	140	C	flot	b	1		noID		D,T	595
x	P19	141		flot	b	1	M	F	2	no	595
x	P19	142		flot	b	1		noID		T	595
x	P20	143		flot	b	1		AA	3	no	620
x	P20	144	A	flot	b	1	M	noID	Pk	T	620
x	P20	144	B	flot	b	1	N	noID		no	620
x	P20	144	C	flot	b	1		noID		D	620
x	P20	144	D	flot	b	1	N	noID		no,T	620
x	P20	144	E	flot	b	1	M	noID		T	620
x	P20	144	F	flot	b	1	N	noID		no,T	620
x	P20	145		flot	b	1	N	E	1	T	620
x	P20	146		flot	b	1	ZV	AS		SD	620
x	P20	147		flot	b	1		G		no,T	620
x	P20+	148		flot	b	1		noID		SD	620
x	P20+	149		flot	b	1	JJ	AI	AL	SD	620
x	P20+	150	A	flot	b	1	ZZ	noID		T	620
x	P20+	150	B	flot	b	1	N	noID		T,D	620
x	P20+	151		flot	b	1	ZV	AS		no	620
x	P20+	152	A	flot	b	1		AM		no,T	620
x	P20+	152	B	flot	b	1		noID		no,T	620
x	P20+	153	A	flot	b	1	M	BL	1	T	620
x	P20+	153	B	flot	b	1	N	noID	H	T	620
x	P20+	154		flot	b	1	N	noID		T	620

Wood IDs.raw data

<u>V</u>	<u>Prov</u>	<u>Vial</u>	<u>Pc</u>	<u>Vial Type</u>	<u>Flot</u>	<u>Quanti</u>	<u>Cats</u>	<u>ID</u>	<u>Divisic</u>	<u>Cond</u>	<u>CC</u>
x	P21	121	A	screen		1	ZX	R	2	no	330/390
x	P21	121	B	screen		1	ZX	R	2	no	330/390
x	P21	122	A	screen		1	JJ	AJ	AI	no	330/390
x	P21	122	B	screen		1	JJ	AJ	AI	SD,D	330/390
x	P21	123		screen		1		'AS'		SD	330/390
x	P21	124	A	screen		1	ZV	AS	2	SD/D,T	330/390
x	P21	124	B	screen		1	ZV	AS	2	SD/no	330/390
x	P21	125		screen		1		AA	3	no	330/390
x	P21	126		screen		1	N	noID	C	T	330/390
x	P21	127		screen		1		noID		C	330/390
x	P21	155		flot	s	1		AS		no	330/390
x	P21	156		flot	s	1		noID		D	330/390
x	P21	157		flot	s	1		L		no	330/390
x	P21	158	A	flot	s	1		G		T	330/390
x	P21	158	B	flot	s	1		G		SD,T	330/390
x	P21	159		flot	s	1	JJ	AI		D	330/390
x	P21	160		flot	s	1	ZV	AS		T,no	330/390
x	P21	161		flot	s	1		AA	3	T,SD	330/390
x	P21	162	A	flot	s	1	ZX	R	1	no	330/390
x	P21	162	B	flot	s	1	ZX	R	1	no	330/390
x	P22	163	A	flot	b	1		noID	T	SD/D	390
x	P22	163	B	flot	b	1		noID	T	T	390
x	P22	164	A	flot	b	1	M	Pk	3	no	390
x	P22	164	B	flot	b	1	M	Pk	3	T	390
x	P22	165		flot	b	1	A	A		SD	390
x	P22	166		flot	b	1		AO		no	390
x	P22	167	A	flot	b	1	noID	AA	1	SD,D	390
x	P22	167	B	flot	b	1	noID	AA	1	T,C	390
x	P22	167	C	flot	b	1	noID	AA	1	T,SD	390
x	P22	167	D	flot	b	1	noID	AA	1	T,SD	390
x	P22+	168	A	flot	b	1		AA		no	390
x	P22+	168	B	flot	b	1		AA		no	390
x	P22+	168	C	flot	b	1		AA		no	390
y	P22+	169		flot	b	1	M	BL	2	no	390
x	P22+	170	A	flot	b	1	M	Pk	1	no	390
x	P22+	170	B	flot	b	1	M	Pk	1	no	390
x	P22+	170	C	flot	b	1	M	Pk	1	T	390
x	P22+	170	D	flot	b	1	M	Pk	1	T	390
x	P22+	171		flot	b	1		noID	AA-3	C,T	390
x	P22+	172		flot	b	1		noID		T	390
x	P23	173		flot	b	1		AO		no	342
x	P23	174		flot	b	1	A	A		no	342
x	P23	175		flot	b	1		AM		SD/D	342
x	P23	176		flot	b	1	ZV	AS		no	342
x	P23	177	A	flot	b	1	M	AZ		no	342
y	P23	177	B	flot	b	1	M	Pk	2	no	342
y	P23	177	C	flot	b	1	M	Pk	2	no	342
x	P23	178	A	flot	b	1	N	K		no	342
x	P23	178	B	flot	b	1	M	Pk	1	SD	342
x	P23	179		flot	b	1		noID		D,T	342
x	P24	180		flot	b	1	JJ	noID	AI	D,SD	390
x	P24	181	A	flot	b	1	ZY	W		T	390
x	P24	181	B	flot	b	1		noID		T,SD	390
x	P24	181	C	flot	b	1	ZZ	BE		no	390
x	P24	182	A	flot	b	1	M	B		no	390
x	P24	182	B	flot	b	1	M	noID		D	390
x	P24	182	C	flot	b	1	ZV	AG		no	390
x	P24	182	D	flot	b	1	N	noID		D,T	390
x	P24	183		flot	b	1		noID		Y,SD	390
x	P24	184		flot	b	1		noID		T,no	390
	P25	10	A	uncharred		1		AL/N		no	312
	P25	10	B	uncharred		1		AL/N		no	312
	P25	10	C	uncharred		1		AL/N		no	312
	P25	10	D	uncharred		1		AL/N		no	312
	P25	10	E	uncharred		1		AL/N		no	312
	P25	11	A	uncharred		1		AL/N		no	312
	P25	11	B	uncharred		1		AL/N		no	312
	P25	11	C	uncharred		1		AL/N		no	312
	P25	11	D	uncharred		1		AL/N		no	312

Wood IDs.raw data

√	Prov	Vial	Pc	Vial_Type	Flot	Quant	Cats	ID	Divisic	Cond	QC	
		P25	11	E	uncharred		1	AL/N		no	312	
x		P25	128	A	screen		1	JJ	AI	SD	312	
x		P25	128	B	screen		1		noID	R	312	
x		P25	128	C	screen		1	JJ	noID	D	312	
x		P25	128	D	screen		1		noID	D	312	
x		P25	129	A	screen		1	ZX	R	2	no	312
x		P25	129	B	screen		1	ZX	R	2	no	312
x		P25	130	A	screen		1	ZV	AS		no	312
x		P25	130	B	screen		1	ZV	AS		no	312
x		P25	131		screen		1	ZX	V	1	no	312
x		P25	132		screen		1		noID		D	312
x		P25	185	A	flot	b	1	ZX	R	2	no	312
x		P25	185	B	flot	b	1	ZX	R	2	no	312
x		P25	185	C	flot	b	1	ZX	R	2	SD	312
x		P25	185	D	flot	b	1	ZX	R	2	T	312
x		P25	185	E	flot	b	1	ZX	R	2	no	312
x		P25	185	F	flot	b	1	ZX	R	1	no	312
x		P25	185	G	flot	b	1		AA	6	SD	312
x		P25	185	H	flot	b	1		noID		C	312
x		P25	186		flot	b	1		noID	Z	Y	312
x		P25	187		flot	b	1		noID		T/SD	312
x		P26	133		screen		1		AA	3	SD	311
x		P26	134		screen		1	FP	E	1	no	311
x		P26	135		screen		1		noID		D	311
x		P26	136		screen		1		W		SD	311
x		P26	137		screen		1		AA	3	D,C	311
x		P26	138	A	screen		1		AA	3	D	311
x		P26	138	B	screen		1		AA	3	SD	311
x		P26	139		screen		1	A	A		no	311
x		P26	140		screen		1		C		no	311
x		P26	141		screen		1		AA	3	no/SD	311
x		P26	188	A	flot	b	1	A	A		no	311
x		P26	188	B	flot	b	1	A	A		no	311
x		P26	188	C	flot	b	1	A	A		no	311
x		P26	189	A	flot	b	1		noID		D	311
x		P26	189	B	flot	b	1	noID	AA	3	C,SD	311
x		P26	189	C	flot	b	1	noID	AA	3	no	311
x		P26	190		flot	b	1		AA	5	no	311
x		P26	191		flot	b	1		AA	3	C,D	311
x		P26	192		flot	b	1	JJ	AJ	AI	no	311
x		P26	193		flot	b	1	N	noID		T,no	311
x		P27	142		screen		1		G	2	no	300
x		P27	143		screen		1		noID	L?	D	300
x		P27	144	A	screen		1	ZZ	X	2	SD	300
x		P27	144	B	screen		1		noID		D	300
x		P27	145		screen		1	ZY	W		no	300
x		P27	146		screen		1		C		R	300
x		P27	147		screen		1	ZX	R	1	no	300
x		P27	148		screen		1		C		R	300
x		P27	149		screen		1		noID	AH	SD/R	300
x		P27	150		screen		1		C		no	300
x		P27	194	A	flot	b	1		L		SD,no	300
x		P27	194	B	flot	b	1		L		SD,no	300
x		P27	195	A	flot	b	1	JJ	AI		SD	300
x		P27	195	B	flot	b	1	JJ	AI	AL	no	300
x		P27	196	A	flot	b	1	ZY	W		no	300
x		P27	196	B	flot	b	1		V	2	no	300
x		P27	196	C	flot	b	1		V		SD,R	300
x		P27	197		flot	b	1	ZZ	X		no	300
x		P27	198		flot	b	1		noID		D	300
x		P27	199		flot	b	1	ZX	R	2	no	300
x		P28	200	A	flot	b	1		noID		D	313
x		P28	200	B	flot	b	1		noID		D	313
x		P28	200	C	flot	b	1		noID		D	313
x		P28	200	D	flot	b	1		noID		D,T	313
x		P28	201	A	flot	b	1	JJN	H		no	313
x		P28	201	B	flot	b	1	JJN	H		no	313
x		P28	202		flot	b	1		AO		no	313
x		P28	203		flot	b	1		L		SD,D	313

Wood IDs.raw data

✓	Prov	Vial	Pc	Vial_Type	Flot	Quant	Catr	ID	Divisic	Cond	CC
x	P28	204	A	flot	b	1		noID		D,T	313
x	P28	204	B	flot	b	1		noID		T,SD	313
x	V.1	20		screen		1		AE		no	390
x	V.1	21		screen		1		F		SD	390
x	V.1	22	A	screen		1		J		no	390
x	V.1	22	B	screen		1		AA	2	no	390
x	V.1	23		flot	b	1		AN		no	390
x	V.1	23		screen		1		G		no	390
x	V.1	24		flot	b	1	ZU	I		SD/D	390
x	V.1	24		screen		1		noID		D/SD	390
x	V.1	25		flot	b	1		C		no	390
x	V.1	25		screen		1	JJ	D		no	390
x	V.1	26		flot	b	1	FP	noID	E	T	390
x	V.1	26		screen		1		noID	AZ	SD,D	390
x	V.1	27		flot	b	1		AN		SD	390
x	V.1	27		screen		1	FP	BG		no	390
x	V.1	28		flot	b	1		AH		no	390
x	V.1	28		screen		1		noID		C	390
x	V.1	29	A	flot	b	1	ZZ	BE		SD	390
x	V.1	29	B	flot	b	1	ZZ	BE		SD,D	390
x	V.1	30		flot	b	1	ZZ	BE		no	390
x	V.1	31		flot	b	1	ZW	Y		SD	390
x	V.2	38		flot	s	1	M	G		no	330
x	V.2	38	A	screen		1		noID		D	330
x	V.2	38	B	screen		1		noID		D,C	330
x	V.2	39		flot	s	1	ZV	AC		SD	330
x	V.2	39		screen		1		noID		D	330
x	V.2	40		flot	s	1		AP		SDT	330
x	V.2	40	A	screen		1	ZU	O		D	330
x	V.2	40	B	screen		1	ZU	O		D,T	330
x	V.2	41		flot	s	1		noID		SD/D	330
x	V.2	41	A	screen		1		M	noID	D/SD	330
x	V.2	41	B	screen		1		noID		D	330
x	V.2	42		flot	s	1		AG		no	330
x	V.2	42		screen		1	ZV	AS		no	330
x	V.2	43		flot	s	1		noID		D	330
x	V.2	43	A	screen		1		noID		B,D	330
x	V.2	43	B	screen		1		noID		D	330
x	V.2	44		flot	s	1		noID		T,SD	330
x	V.2	45		flot	s	1		noID		D	330
x	V.2	46	A	flot	s	1		noID		D	330
x	V.2	46	B	flot	s	1		noID		C	330
x	V.3	44		screen		1		AA	1	SD/D	390
x	V.3	45		screen		1	ZV	AS		no	390
x	V.3	46		screen		1	FP	E	1	no,T	390
x	V.3	47	A	flot	b	1	FP	E	2	SD	390
x	V.3	47	B	flot	b	1	FP	E	2	T	390
x	V.3	47	C	flot	b	1	FP	E	2	T	390
x	V.3	47	A	screen		1		G		SD	390
x	V.3	47	B	screen		1		G	Pk	SD	390
x	V.3	48		flot	b	1		noID	J	D/SD	390
x	V.3	48	A	screen		1		J		no	390
x	V.3	48	B	screen		1	M	Pk	3	no	390
x	V.3	49		flot	b	1	ZV	AS		D	390
x	V.3	49		screen		1	M	B		T	390
x	V.3	50		flot	b	1		AM		T,no	390
x	V.3	50	A	screen		1		noID		D	390
x	V.3	50	B	screen		1		noID		D,C	390
x	V.3	51	A	flot	b	1	ZZ	X		SD	390
x	V.3	51	B	flot	b	1	ZZ	BE		no	390
x	V.3	52		flot	b	1		AT		no	390
x	V.3	53		flot	b	1		noID		C	390

Total: 601

Wood IDs.raw data

Vial	Pc	Comments
1990-05		interesting parenc/pore combo;brushy/scrub bush;put here but haven't seen
1990-06		"jarilla"
1990-06	root	sim to 'AT' & 'AU'
1990-08		
1990-15		willow,etc type; V112scr
1990-15	twig	looks A LOT diff from 1990-15;closer to some 'AS's
1990-17		LG pores for size of pc (1.7cm diam)
1990-32		"jarilla"; both root and branch part
1990-36		very sim to AS but very sol round pores & diffuse p.
1990-40		cactus; pores,rays,etc differ greatly from ray width to arrangemt in sing.pc
1990-47		"molle"; ring porous
1990-60		brushy/scrub bush; have seen!!
1990-68		very variable= ZZ or ZX categ;twiggy/scruby type
1990-71		jume
1990-72		prob= 1990-47: "molle"
1990-74		looks like 'A'/cact but pores sol&usually only lg pcs usable,ie.annual sim
1990-75		willow,etc Type
1990-78		VERY HARD to break;breaks at joints;would put with 'C'
1990-83		'A'-root;growth rings: semi-ring p.
1		tang banded parenc; sol & dispersed pres; rad splits; crunchy
1	A	cactus;wide ray;sol.pores-few nested
1	B	cact;smllr sol. pores;wide rays
1	C	cact;nested-bunched pores;wide rays
1	D	cact;smllr pores;wide rays
2	A	med lg round pores s.times nested 2/1; tyloses; med wide 1/3 pore size [not= V57A-Cscr]
2	B	= V2Afl; parenc? not sure whether WH but very sim
2	A	diam
2	B	diam; black; = V2Cscr
2	C	diam; softer wood;see card(pink)
2	D	diam; cross btw 'Pk's
3		
3	A	single pore rows;pores sim to ray width;not much parenc;NICE PC
3	B	= V178Afl
4		shiny; smooth
4		approx 1.2cm diam; = V2Cscr
5		sm pc
5	A	tyloses common; crunchy-mushy; shiny; lg fibers; tang.banded parenc.around med.lg->sm pores
5	B	sparkles from tyloses; poss= BL, V5Ascr
6		lg, sol.pores, spread out;[sim to V5fl]
6		= V2Bscr
7		parenc around lgr sol&nest pores in circles; sim to V4scr except parenc; poss='T'
7		=V4scr
8		semi-ring porous; = V5Ascr
8		= V4scr; = V7scr; breaksinto squarish pcs
9		= V4scr; from lgr pc
9		= V4scr
9		= V4scr
10		monocot
11		
153	A	= V2Cscr; branch characteristics;diam; bumpy surf;tyloses
153	B	= V2Cscr; smooth surf break; tyloses;diam
205	A	cact;sol.pores;wide rays
205	B	cact;smllr,sol.few,nested pores;soft;narrow rays
205	C	cact;sqaushed/compressed pc;nested,bunched pores
205	D	cact;nested,lg pores;narrow rays;= V205Bfl
205	E	cact;prob= V205Dfl
205	F	cact;soft;smllr sol.pores;narrow rays
10	A	cact;bunched,nested w/sol. pores;narrow rays
10	B	cact;sol.(?) w/few nested pores
10	C	cact; = V10Ascr
11		few pores;fine rays;no parenc but like 'AA-2'
12		sm pores & smllr than rays;soft
12	A	partially uncharred
12	B	
13		
13		lgr pores; from a lgr pc
14		=? AA; lgr backgr cells; crunchy
14	A	round twig; 0.6cm diam; = V4scr

Wood IDs.raw data

Vial	Pc	Comments
14	B	round twig; 0.7cm diam; = V4scr
15	A	breaks off in chunks; features not clear; tyloses
15	B	sim to V15Afl
15	C	sim to V53Cscr
15	A	like 'AA-2' but no parenc; = V11fl
15	B	tiny pores
15	C	tiny pores; pores in rays; = V15Bscr
15	D	pores in rays; = V15Bscr
16	A	wide rays;eroded; pores=ray width
16	B	=138fl;rays close&pract invis;parenc btw rows->wide spcd;pores wdr than rays
16	A	circular parenc; 1-celled ray
16	B	= V16scr
17		
17	A	occas.tyloses; evenly dispersed, med-lg pores; parenc
17	B	tiny pores surrounded by parenc; rays close together&straight
18		tiny pores
18		
19		
19		
20	A	poss 'AK','AS';poss=155fl; crisp break; flat surf; shiny
20	B	
21		lgr fibers; tyloses; parenc around pores; poss pcs in vial not=
22	A	sim to V1fl; lg pith center; almost everyth= rad splits;tiny to sm pores
22	B	tang banded parenc; very lg pores
206	A	poss= V4scr;also sim to 77scr
206	B	smooth; radial splits; sol&chain(up to 3); straight rays;shiny
29		
30		GOOD PC; soft/ crunchy; shiny surface
31		soft;black;semi-shiny surface
32		= V28fl
32		from very lg pc! clear tyloses;prob= V13scr('C')
33		very melted
33		not best pcs
34	A	not sure of type
34	B	lg pores;shiny silver;thin rays
34		a lot of tiny sol pores=ray width; no parenc;remind me slightly of maple
35		poss cact;pores in bunched clusters;rad.organiz;med wide rays
35		shiny crumbly; not well preserved but features there;parenc
36		
36		from lg pc; prob= V4scr
37	A	
37	B	lgr backgr cells
37	C	pith
37	D	poss banded parenc
37		banded parenc; bks tangentially
51	A	black;can see rays w/ eye;no parenc;ring porous;1/2twig pc
51	B	black;can see rays w/ eye;no parenc;ring porous;1/2twig pc
52	A	w/eye can see rings & rays; black;lg pc; no parenc
52	B	parenc;smooth;shiny surf;slightly wider rays
53	A	very flaky-crunchy; chained split rays; poss "JJ" categ; prob= V53Cscr
53	B	1 cm diam
53	C	1 cm diam; in some ways sim to "D"
54		= V51scr; many sim to AM but not!
54		1cm diam; = V58Afl
55		very young & tiny; sev rings of ring porous; ca. 1.5 mm diam
56	A	'L' Type;AL...Group
56	B	= V56Cfl; (?= V55Cfl)
56	C	= V56Bfl; many lg,sol.pores;few rad.chains
57		silvery
58	A	1.5 cm diam; softer; rounded when eroded; chunkier breaks
58	B	bks radially; lg splits; prob= V58Afl
59		= V4scr
60		
152	A	lg crunchy;rad breaks; poss R-2
152	B	very soft & mushy dark black; rows not always single; [= V16Ascr]
55	A	?= V55Bscr; = V55Cscr
55	B	NICE PIECE! = V95Dscr; crispy; breaks at rounded non-angles
55	C	banded parenc; very sim to WH; see 'C'Type card[brks hard;sim V57scr, crunchy]
55	D	= V55Bscr; crunchy

Wood IDs.raw data

Vial	Pc	Comments
55	E	prob= V55Bscr;parenc?
56		
57	A	crunchy, rough
57	B	prob= 55Bscr
57	C	prob= 57Bscr
58		cact; tang.nested bunched pores;lg fibers,no parenc
61	A	eroded ends;soft,rich black;many tyloses;bumpy looking but smooth surface;parenc around pores
61	B	rays; porb N size; wider rad row of parenc.
62	A	Salix? very light,soft; multiple chains; sparkly; occas tyloses
62	B	Salix? = V62Afl; NICE PIECE
63		monocot
64		
65		soft;sing.tang.pore rows;lg fibers;no parenc
66		NICE PC;very lg pc->lg,round pores oft.nested 2-3;semi-ring p.; rays detour pores; aspen,birch,willow
67		= V3scr & V80scr
68		tiny pores; from lgr pc;approx 1cm diam;fine rays(1-2cells);very lg pith;marg&banded parenc
59	A	= V59Dscr
59	B	= V59Dscr
59	C	= V59Dscr
59	D	1.2 cm diam; = 57Ascr
59	E	= V59Dscr; close together growth rings; rad splits; brittle
59	F	= V59Dscr
60		soft;blk;ringporous;vry lg backgr cells compared to pores;rays&pore width sim
61	A	= V61Bscr; lg pc; about 2 cm diam
61	B	= V151scr; lgr pc; about 1 cm diam; very dark when charred
69	A	has parenc.
69	B	has parenc.
69	C	= V96Afl
70	A	poss AL-sim
70	B	
70	C	crunchy; couple of tyloses; porb Al-sim
70	D	= V70Cfl
71		no parenc;tension/irreg;few/any?pores btw rings;ring porous;poss term.parenc
72		very much like V30scr
73		crunchy-soft
151		bks along ring; delicately crunchy; ring porous; ca. 2 cm diam
74		= V4scr; [= V59fl, V5fl]
75	A	diagonal arranged pores w/surrounding parenc
75	B	twisted growth; crunch; chaining rays
76		from med-lgr tree in area
77		= V17fl
78		parenc around ring porous (1-4 pores thick) pores; thicker rays, 1/2 pores
79		clear tyloses;simto 'H','C','&'T';too sm; parenc
80	A	ring porous; rad splits (sim to V110Afl)
80	B	=V5dryscr; 1 pore space btw rays; med, sol & 2/1 nested pores; parenc around pores
80	C	
62		looks like annual texture; sev. grouped pore rows;no parenc?
63	A	?= "D" or Al
63	B	
63	C	?="D" or Al/AJ
64		
65		prob= AS
66	A	
66	B	
67		too sm;poss 'C','G';sing row,med,pores along ring;parenc around ring
68		parenc around ring pores
69		cact;wide rays;nested-bunched pores
70	A	cact; = V205Cfl; narrow rays
70	B	cact;bunched&sol.pores;med rays
71	A	cact;prob= V70Bscr
71	B	cact;nested pores;soft
71	C	cactus;sm pores;med.rays;tang.chains,sol.&nested pores
71	D	cact;soft;prob= V71Cscr
71	E	cact;med.rays;radial,nested w/few sol.pores
72		monocot; twig;= V10fl; photos-#10&11:F-stop6,5; 11/20/91
73		monocot; very diagnost. twig;= V63fl; photos-#12-14:F-stop8,15,8; 11/20/91
81	A	cact;sol.w/nested pore bunches
81	B	cact;nested pore bunches;med rays
81	C	cact;nested pore bunches;wide rays;= V1Cscr

Wood IDs.raw data

Vial	Pc	Comments
81	D	cact;sm,sol. pores;wide rays;= V1Bscr
81	E	cact;prob= V81Cscr
82		monocot; twig; = V72scr; photos-#8,9:F-stop4; 11/20/91
83	A	more obvious rays;rad.chains of tiny pores/lgr cells?
83	B	= V83Afl; more obvious rays;rad.chains of pores
83	C	= V83Afl; more obvious rays;rad.chains of tiny pores/lgr cells?
84		think bark/outside of 'AO' Type but poss not
85	A	cact;almost no pores=rad.nested pairs&sol
85	B	cact;very narrow rays?-slightly compressed
86	A	soft; brown-black; sm to tiny pores
86	B	has parenc?
87		poss= V136scr; lgr trans pores
88		= V190fl;med-sm,nested pairs & few sol.pores;parenc
89	A	fine rays
89	B	GOOD COMPARISON!has parenc;fine rays;= V89Afl
89	C	has parenc;fine rays;= V89Afl;ring porous
90	A	monocot
74	A	
74	B	
75		
76		cact;tang,nested pores&sol.pores;med rays
77	A	= 57Ascr
77	B	= 77Ascr
77	C	= 77Ascr
77	D	= 77Ascr
77	E	= 77Ascr
78		poss thorned
91	A	rad splits; parenc around smllr sol & nested pores; crunchy-crumby
91	B	banded parenc; fine(1 celled) & close together rays; sm pores
92		GOOD EX.; = 1990-8;shiny;single pore row along ring;lgr fibers;nested pore groups
93	A	
93	B	
93	C	
94		[= V77scr]
95		too sm; ring porous-2 growth rings;pores in bunches as radiates out;wider rays
96		= V61Bscr
97		rings very close together; [= V67fl]
79		ca. 1.5 cm diam; [= V70Bfl]
80		no parenc; [= V151scr]
81		softer; =? V58Afl
82	A	from lgr pc
82	B	very sm, but from lgr pc; clear tyloses
82	C	= V82Bscr
82	D	colored tyloses; sim to 'T' & 'Pk-1'
83		smllr pores; rad splits; sim to V22Afl
84		
85		[= V102fl, V74fl]
98	A	= V115Bfl
98	B	very "light" wood:sim to monocot
99		wide rays;clustered pores; parenc around pores along ring=ring porous; [= V16Afl]
100		= V103fl, V11fl; sim BF?
101		
102		lg band of term.parenc--doesn't look nat!; [= V74fl] = V85scr
103		= V100fl
104		
105		
106		black
86	A	slightly melted; 1.5 cm diam
86	B	very lg pc: 4cm long X 1.5 cm diam; = V86Ascr
87		split along rays; ca. 1 cm diam
88		= V64fl
89		= V133scr; sim to V3dryscr
90		= V105fl
91	A	= V91Bscr;lots of pores;very fine rays;med fibers
91	B	= V91Ascr;crunchy
92		very sim to V62scr; parenc? [= V67fl & V97fl]
93		very lg pc; various # of characteristics; crunchy, rad splits; smllr branch; [= V32scr]
107	A	combo of R-1&-2 ray charact& parenc;pith with inverse U shapes, forms star
107	B	[= V29scr]

Wood IDs.raw data

Vial	Pc	Comments
108		round; 0.6cm diam [= V134fl]
109	A	= V109Bfl
109	B	= V109Afl; poss= 'AT'
110	A	chained rays
110	B	crumbly; rad split;ring porous;sm,sol pores;wider rays; prob= V110Afl
111		"= V88scr&V1dryscr
112		rad splits; nested-clumy pores?
113		7+cm diam;NICE PC;parenc round pores encircled& tang bands;sol&chained->4pores=>2/1 & = to rays; hvier wood;occas tylos.
94	A	cact; narrow rays; 4sol&rad chain pores
94	B	cact;wider rays;nested,bunched&solitary
95	A	grouped & sol.pores; many tyloses
95	B	med.pores; tyloses; semi-ring porous; 1 cell width ray
95	C	diffuse porous;chained lg pores; parenc around pores--tree
95	D	rays both M&N;marginal parenc;diam-almost no pith;crumbles;many med-sm pores;diffuse porous
96		crunchier; = 1990-47
97	A	=? V40scr; sim to V24fl
97	B	=? V40scr; sim to V24fl
98		
114	A	vry crumbly; mushy black; parenc?; ring porous; [= V95scr; not= V114Bfl]
114	B	shiny, smooth breaks; radial splits; sol.& sol-nested, round,med-sized pores; not= V114Afl
114	C	soft black; med->lgr pores; semi-ring->ring porous
114	D	obvious parenc; sm pores; poss= V5dryscr
114	E	lg fibers; smooth; radial mult pores
115	A	= V4fl; shinyish; (=? V93fl)
115	B	ring porousness more like 'AS-1'but shiny = V4fl;(=? V115Afl)
116		monocot;(= V62fl recheck)
117		med rays; med-sm pores in chains and round groups;rays1/2 pore size;no parenc
118		cross btw V136scr & "BE" & "U"; = V132Cfl
119	A	
119	B	= V30scr
120	A	
120	B	poss= V120Afl
121	A	melted; rad splits
121	B	melted & rad split to death
121	C	melted & rad split to death
121	D	3 lg cell wide rays; parenc? AL-Type
121	E	sim= V121B&Cfl
121	F	sm,nested bunched pores; parenc arounddpores; breaks into chunks
122	A	ca. 1.5 cm diam; = V119Bfl
122	B	= V122Afl
123	A	
123	B	sm pc; = V123Afl
123	C	poss= V123Afl; crumbly; bks at ring
123	D	prob=123Cfl; crumbly: poss "R-2"?
124		soft;rings very close together
125	A	1-2 sol r nested pores togeth; parenc around pores; = V125Bfl
125	B	= V125Afl; parenc
126		prob cact;huge all-nested pores;2-3cell ray;very delicate--crumbles when touch
99	A	sol,round pores;parenc; 1 celled rays btw wider ones; rad spl & melted; crumbles when broken
99	B	melted rad splits; =? V99Ascr
100		1+ cm diam; softer
101		
102		= V113fl; from lg pc;thus, pc is "tiny" in comparison
103	A	poss= V138fl
103	B	believe= V103Ascr
104		1 cell/fine rays; many pores sm to med lg
105		
106		twisted branching; at growth division
127	A	
127	B	ca. 0.8 cm diam; = V127Afl
127	C	very narrow, mult tangential rows of parenc btw rings
128	A	[= V99scr; rad splits]
128	B	
128	C	=? V99Ascr
129	A	Tyloses; soft,brownish wood; rad splits as "bubbles"; many pores;[prob= V127Cfl]
129	B	tiny, melted; [prob= V128fl; crumbly]
129	C	melted; crunchy; rad splits
130		sim to 'C','G';tang.parenc;lgr pores;lg fibers
107	A	

Wood IDs.raw data

Via	Pc	Comments
107	B	no parenc; soft; dk
107	C	soft;narrow growth rings
108	A	1.5 cm diam; placed in "AJ" due to sm rays and sing. pores -not parenc
108	B	placed in "AJ" due to sm rays and sing. pores -not parenc
108	C	bks off in squarish chunks; round; 0.6cm diam
109		round; 0.75 cm diam
110		from lgr pc; ca. 2 cm diam; cross of BE& V-2; lg fibers; ring-p.; sm pores
111		tyloses?; crunchy/brittle; rad splits
112		dk black;soft;sol,2/1,&3/1 nesayed pores 2x wider than rays;=Salix?Populus?
131		(?= V115scr?); = V100fl, V103fl
132	A	= V132Cfl
132	B	melted;narrow rays; tang splits;frequent&med-sm pores
132	C	soft;black;ring porous;1-3 rows at ring; silver rays; = V118fl; ca. 1 cm diam
133	A	= V133Cfl; pore size differs sm to lg
133	B	crunchy;rad splits
133	C	wider rays= pore width; 1->2 btw rays
134		poss JJ/AJ???.too sm of pc
135		med sol&most bubble nested pores;often tang &rad chains; thin parenc around pores;from lgr pc[= V80Cfl]
136		breaks transversally;poss sim to 'AN'
1	A	twig; = V111fl;
1	B	(=? V93Ascr & V1Adryscr)
2		parenc;lgr pc;ring porous; = V52Ascr
3		
4		VERY NICE; round pc:1 cm diam; crunchy; smooth transv. break;
5		few,med.pores btw ring porous,lg ones-approx 6x lgr than rays;banded parenc; [poss= V114Dfl] NICE
6		= V65fl
7		poss= V66A&Bscr
8		lg pc;sq.breaks;rad spl;lg sol&nested 2/1 pores;sim 'AQ'
9		'T','H', or 'C';too tiny;clear tyloses;parenc [= V77scr; poss= V79fl]
113		
114		round; 0.6cm diam
115		not well preserved
116		
117	A	sim to 56Afl; from very lg pc
117	B	=? V117Ascr
118		poss Type U
119	A	= V113fl; sim to'H'but smllr pores, blacker & parenc btw pore rows
119	B	= V119Ascr
120		chunky-squarish bks;sing.row ring-p.;pores= ray width; 1 pore btw rays;parenc not vis but prob pres; prob AL-sim
137	A	slight diff texture:not as 'soft'as other 'W's
137	B	
137	C	
138		rays very close together; parenc; [= V121Ascr]
139		friable; tang parenc, sm & lg pores/sol&nested; rays approx sm pores
140	A	breaks hard then crumbles; melted
140	B	hard as rock; melted; =? V140Afl
140	C	prob= V140Afl
141		poss= V139fl;very sim to V16scr
142		sim'AK','AS';tiny most often sol.pores;can barely see rays;very 'soft'
143		
144	A	med pores;wiggly rays-sing cell;clear tyloses;black
144	B	obv.banded parenc around pores;wider rays;med pores;ring/semi-ring porous;crumbly;[= V119Ascr]
144	C	lgr backgr cells; BL-like; many med sized pores
144	D	lg fibers; obvious parenc around btw more spread out, lgr pores; chains 3+; [prob= V145fl]
144	E	too sm of a pc; lg fibers; med-lg pores; not V144A-Dfl; [no parenc]
144	F	too sm of a pc; lots of tyloses; = V144Efl; wider rays
145		= V113fl, V119Bscr
146		
147		tiny pc; looks sim to'G' card
148		poss 'C' or V145fl('E'); breaks hard->crumbles
149		softer
150	A	approx 1.5mm diam; lg fibers; no pores visible;very soft
150	B	tyloses; med->lg, close together pores
151		
152	A	dk clr, smooth; breaks rad&tang;poss not 'AM' due to size
152	B	very tiny; poss M-Type
153	A	parenc only narrowly around pores; shiny;some clear tyloses
153	B	too sm;round sol.med->sm pores;lgr fibers;tang pore rows;poss parenc
154		poss 'H','K','C','T';too sm; huge pores; smllr rays;obvious parenc around pores

Wood IDs.raw data

Vial	Pc	Comments
121	A	soft, dk black, diam; = V121Bscr
121	B	= V121Ascr
122	A	diam ca. 1 cm; round
122	B	crunchy; rad splits; = V122Ascr
123		crunchy;ring porous;sm to tiny pores;fibers tang arranged in rows;bks sim to chert;dense;fwr pores than 'AS'
124	A	brks rad&tang; friable
124	B	= V124Ascr; crumbly; prob not= 'AS-1'-lg/many pores, M502breaks in chunks; [poss=V8dryscr]
125		GOOD COMPARISON!!
126		too sm,from lgr pc;breaks hard; rad splits;lg pores;poss 'C'or other'N'-type
127		dk black,smudgy-soft;tang parenc;'C','G'
155		crisp break; NICE PC; sol pores; flat surf; shiny
156		looks as tho ring porous w/parenc around clustered/nested sm pores btw rings[sim V122Bscr?, gritty]
157		ring porous; sim to V203fl, V135fl
158	A	lgr fibers;banded parenc;irreg pores
158	B	prob= V158Afl
159		lgr pores
160		
161		
162	A	
162	B	= V162Afl
163	A	'T','G'; tang paren; 2/1&3/1 pores
163	B	too sm; V163Afl
164	A	=V48Bscr
164	B	prob V164Afl
165		cact;nested bunched pores
166		monocot
167	A	too erode; med.fibers; couldn't make out any pores; =? V15Bscr
167	B	believe = V167Afl;very fine rays -barely visible; = V15Bscr
167	C	believe = V167Afl & V15Bscr
167	D	tiny, hard to distinguish pores; rays visible?; = V167Afl & V15Bscr
168	A	soft;narrow-med rays;sol&chained pores;silvery reflects;silver rays;no parenc
168	B	= V168Afl; breaks hard
168	C	= V168A&Bfl
169		
170	A	prob= V4scr, but from lgr pc that 4scr
170	B	= 170Afl
170	C	= 170Afl
170	D	very tiny; looks= to 170Afl
171		
172		too small
173		(photo?); twig part
174		lg cact pc; narrow rays;sol.pores
175		crunchier/crumbles&breaks in long narrow pcs--rad&tang
176		
177	A	
177	B	poss= V177Afl
177	C	prob= V177Afl
178	A	= V3Bscr;black;smooth;parenc;from lg pc
178	B	prob= V4scr; from lgr pc
179		crunchy-shiny
180		crunchy-crumbly
181	A	poss= V31fl and/or V17scr
181	B	poss=AW;fiber&pores differ slight from 'W';parenc; =?181Afl
181	C	really 'W'?
182	A	lg fibers; round sol & s.times nested, med-sm pores; ring porous
182	B	tyloses;smllr pores; diffuse porous; melted; crunchy
182	C	sol,round pores=rays width; rays approx 1 pore apart;softer than V155fl;mushy
182	D	very lg pores; lots of tyloses
183		too young; diam approx. 2mm; ring porous; pores approx same width as rays
184		category 'M'or'N';too sm;from lgr pc/tree;brittle;rad&tang breaks
10	A	AL/N-Type;photo
10	B	AL/N-Type
10	C	AL/N-Type
10	D	AL/N-Type
10	E	AL/N-Type
11	A	AL/N-Type
11	B	AL/N-Type
11	C	AL/N-Type
11	D	AL/N-Type

Wood IDs.raw data

Vial	Pc	Comments
11	E	AL/N-Type
128	A	crunchy; lots of ray splits
128	B	very hard;poss JJ/AD
128	C	shiny melted; prob "AI"-Type; crunchy-crumblly
128	D	rad brks; very few pores; prob "JJ" category
129	A	= V107Ascr; soft dk black
129	B	= V129Ascr; [= V115Afl]
130	A	
130	B	both 'AS-1' & 'AS-2' characteristics; = V115Bfl
131		soft,sgle pore row; no parenc?
132		many med to sm pores; breaks in chunks as well as radially [sim AI?]
185	A	semi-crunchy;rad split
185	B	= V185Afl
185	C	= V185Afl; flat,tiny pores;wider rays;almost no parenc
185	D	= V185Afl; very light & soft feeling
185	E	= V185Afl; has wider rays
185	F	= V185Afl; prob BE/X
185	G	= V125fl; parenc in tang blobs;rings wide apart;
185	H	
186		round twiglet;0.15cm diam;too young;ring-p.;photo
187		not JJ gr more sim to BA-Type; crispy and crisp bks
133		rock hard; = V89scr, V137scr; GOOD COMPARISON
134		hard;distinct parenc
135		rock hard; melted-shiny;looks as if sev. multiple chains, sol.& med.sm pores [prob=138scr]
136		'W'-type w/lgr pores;twig; GREAT PC!! 0.7 cm diam
137		lg pores; = V191fl; very charred
138	A	= V137Ascr,V191fl
138	B	= V137Ascr,V191fl
139		cact; sol.med.sm pores evenly distributed; med->wide rays
140		ring-p.1-3 rows;parenc around med pores&encircles smllr pores btw rings;med pc; bks trans
141		fairly good pres.--why chose 'AA-3' for other P26
188	A	cact; prob= V139scr
188	B	cact; prob=138Cscr
188	C	cact;tiny,sol,pores;narrow rays,even fibers
189	A	many lgr pores; few tyloses? crisp planar breaks
189	B	pores slightly lgr than other AA-3s; crunchy; irreg & chunky breaks; [sim to V138scr,V140scr]
189	C	= V189Bfl
190		= V57fl
191		= V137scr,V138scr
192		parenc around many pores; crumblly
193		too sm;interesting pc;poss='H','C';from lgr pc;huge pores about= ray width; parenc
142		round twig;NICE PC;diam approx 0.5cm;crisp,smooth twig;tang bks;photo
143		hard but bks easily tang;nested,sm pores
144	A	ligt wt;sim to 'V'&'W'
144	B	melted; intersting pc; sim to "R-2"?; "annual";spongy soft
145		very sm pores;scattered lgr&arched rows btw rays
146		= V148scr;obvious parenc;soft;bks in chunks;semi-ring p;sm,round pores;rays wdr than pores
147		poss= V144scr
148		= V146scr;obvious parenc
149		lg pc;2cm diam;bks off in sq chunks;very sm pith;banded parenc?;tyloses;sol pores= or lgr than rays
150		= V146scr
194	A	round twig
194	B	= V194Afl
195	A	ca. 2 cm diam; chained->evn spaced,widr ray; tang pores; little/no parenc; crunchy; poss= V200Afl
195	B	2+ cm diam; single row of pores
196	A	great EXAMPLE; = V145scr
196	B	round twig; 0.4cm diam
196	C	prob=196Bfl;lg pores
197		sim to V144Ascr
198		lg pithy center;very obvious tang rows of parenc-marginal parenc?; woody stem; melted
199		text sim to annual
200	A	parenc around smllr clustered pores;when rad split->chains; diam; AL-type
200	B	almost ring porous; diam about 1cm; rad spl; prob= V200Afl
200	C	= V200Afl; rays about 2 cells wide, <1/3 width of pores
200	D	prob= V200Afl
201	A	from lgr pc;see'H'card;=V201Bfl;lg fibers;sol&nest pores;poss parenc;wider rays
201	B	= V201Afl; sim to 'C'
202		monocot
203		poss= V135fl

Wood IDs.raw data

Vial	Pc	Comments
204	A	
204	B	single line of pores along ring porous; sol., round pores; pores about= ray width
20		dk black;soft looking but crunchy;marginal parenc;sm to med pores
21		prob not= V16scr
22	A	crunchy; prob not= V18scr
22	B	THE COMPARISON!!!
23		
23		seems "smllr tree/lgr bush" type
24		
24		breaks in chunks ...& NOT tangentially; sim to 'AF' only lgr pores
25		NICE PC
25		
26		from lgr tree; HUGE pores; parenc thinly around sol&nested pores that are 4/1 rays
26		tang elongated/flattened,lgr pores;parenc around pores;silver/sparkly
27		seem to be from pc much lgr in diam than 2cm;4+times more
27		semi-ring porous;crunchy;mostly nested 2/1 pores; thin parenc around pores
28		ray width=lgr round pores-sol,chains,&grouped;no parenc;lgr fibers
28		lgr pc but at growth division; crunch-crumbly
29	A	
29	B	
30		= V51fl
31		strange pc; lg fibers; no rays; twisted arrangmt; no pores?; strange cut splits => part of pc?
38		
38	A	had nested & sol.pores; melted-crunchy-shiny
38	B	shiny-crunchy-melted-rad. split; totally unidentifiable
39		lots of pores in rings; lgr fibers
39		many,many pores-lgr to tiny;can't see rays;in some ways sim to AG
40		very lg & close together pores;can't see rays; related to Salix? [=Sissels#283?rubus robustus]
40	A	silver; very, very hard; tyloses; pores in chains and some sol.
40	B	silver; very, very hard; tyloses; pores in chains and some sol.; very sm
41		lgr backgr cells; med-sm pores; parenc
41	A	silver;tyloses;sol&nested pores;fine rays;parenc around pores;very difficult to break
41	B	bumpy-crumbly-crunchy; melted; tyloses
42		diffuse porous;round,med pores;med wide short looking rays;no parenc
42		
43		shiny; melted; sim to M, F-Types
43	A	total mush and dust
43	B	shiny-crunchy-melted; totally unidentifiable
44		too tiny; from lgr tree
45		shiny-crunchy-melted; totally unidentifiable
46	A	totally melted but lg pores visible (M/N-Type)
46	B	sol. pores; med lg fibers; soft
44		
45		spread out pores; (? V115Bfl)
46		sim to V113fl;from lg pc; thus, pc is "tiny" in comparison
47	A	sparkly; from very lg pc, i.e. tree
47	B	= V47Afl; parenc in bands
47	C	= V47Afl; parenc in bands
47	A	parenc in bands; poss 'C'
47	B	smooth,silver-gray surface;parenc in thin bands
48		rays close together-1 pore width apart;sol&nested (3-5),med pores;semi-ring pores
48	A	
48	B	
49		ID from pore organization, breakage, & rays; melted
49		sm pores; fine fibers; from lgr tree
50		sm eroded pc
50	A	crunchy,shiny, melted; lgr pores than others that are 'destroyed'; also soft-crunchy
50	B	crunchy, shiny, melted; part of growth division
51	A	poss= "BE"? more like ZX, too!
51	B	NICE PC! silver; many very close together growth rings; ring porous; sm pores btw rings;= V30fl
52		poss= 'AS-2'
53		soft; reminds me of AA-Type fibers->lgr; noID because part of growth tissue