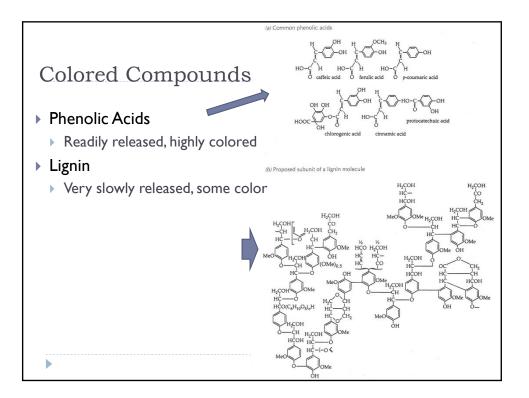
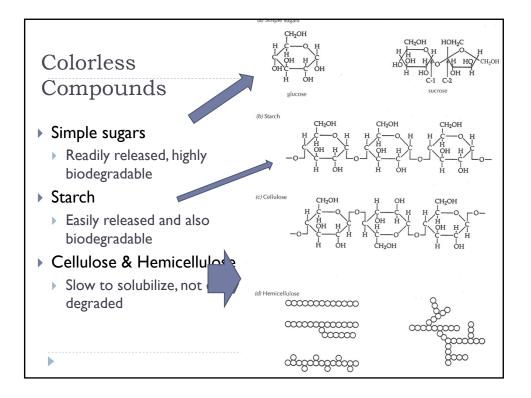
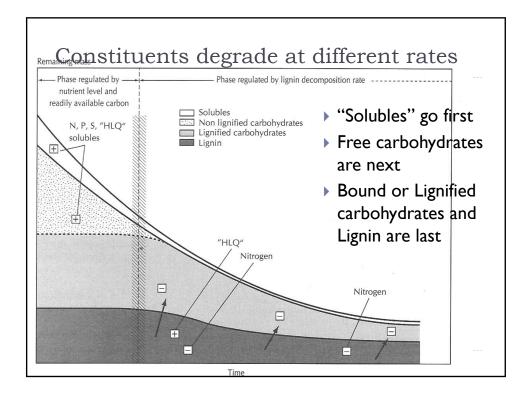
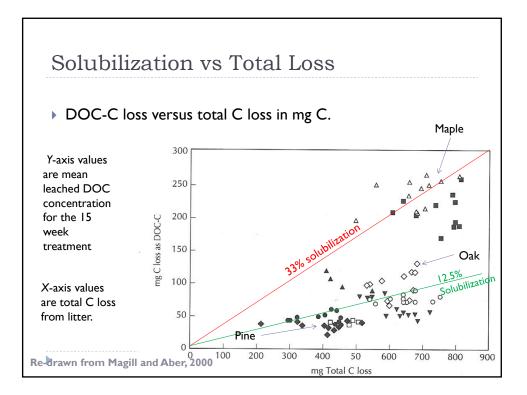


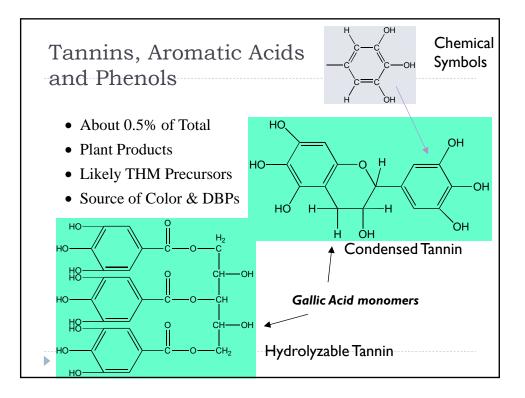
	Sugars and Starch (%)	Other Solubles (%)	Cellulose (%)	Variations		
Woody plants	There is a fee			Dased OI		
Foliage		<i>a</i> .				
Sugar maple	7.2	37.6	43.1			
Red oak	7.3	25.1	47.4			
White pine	5.7	27.1	44.7	22.5		
Fine roots	ę.			(Suberin)		
Sugar maple	3.9	14.6	47.7	33.8		
White pine	5.2	20.0	49.5	25.3		
Wood						
Red maple	1.1	5.9	80.5	12.5		
Hemlock bark	4.1	16.7	40.3	38.9		
erbaceous plants			Source:			
Foliage and stems						
Salt marsh grass				Terrestrial		
Tall-form, live	2	34.4	52.5	13.1		
Tall-form, dead		28.9	57.7	14.4 Ecosystems		
Tall-form, stems		30.3	56.0			
Ryegrass stems				3-9 Aber & Melillo		
Leaves				²⁻⁶ 2 nd edition		
Timothy stems				5-9		
Leaves				^{3–6} Harcourt		
Roots				Academic Press		
Salt marsh grass		36.2	41.6	12.2		
Mixed pasture grasses		20	58	22		

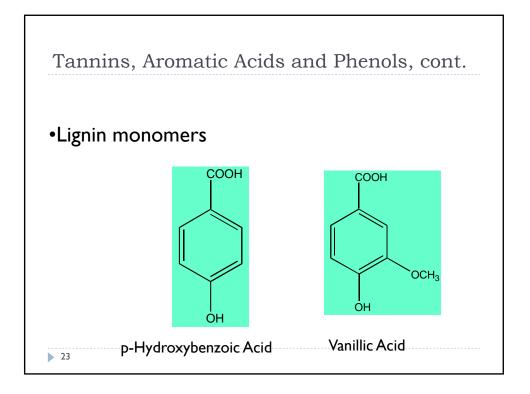












Lignin	100 tuesdesigned t	• • • • • • • • • • • • • • • • • • •		Mass		▲ S:V ■ C:V ◆ P:V
	contonnunon (i	ng 100 mg 00		tration (mg/		C)
	Lignin Phenol Group	Obs.	Range	Median	Mean	Std. Dev.
	Vanillyl ^a (V)	57	0.24 - 3.18	0.68	1.02	0.78
	Syringyl ^b (S)	55	0.02 - 2.88	0.36	0.50	0.50
	Cinnamyl ^c (C)	54	0.01 - 0.68	0.04	0.07	0.11
	p-Hydroxy ^d (P)	57	0.12 - 1.46	0.36	0.45	0.27
	Total Lignin Phenol ^e	55	0.59 - 6.66	1.41	2.06	1.47
			Mass Ratio (Relative to Vanillyl Content)			
	(Range	Median	Mean	Std. Dev.
	Syringyl (S:V)	68	0.03 - 1.75	0.43	0.50	0.32
	Cinnamyl (C:V)	68	0.02 - 0.86	0.06	0.11	0.13
	p-Hydroxy (P:V)	55	0.19 - 1.22	0.51	0.54	0.23
From:				Concentrat	ion	
Perdue & Ritchie, 2004		Obs.	Range	Median	Mean	Std. Dev.
24	Total Lignin ^e (µg L ⁻¹) % DOC as Lignin	55 55	0.42 - 39.4 0.24 - 3.12	9.7 0.6	10.7 1.0	9.8 0.7

