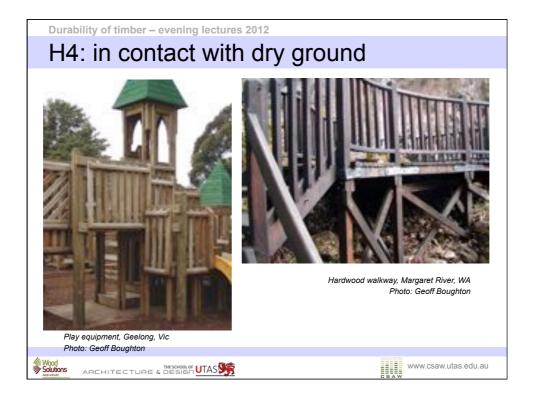


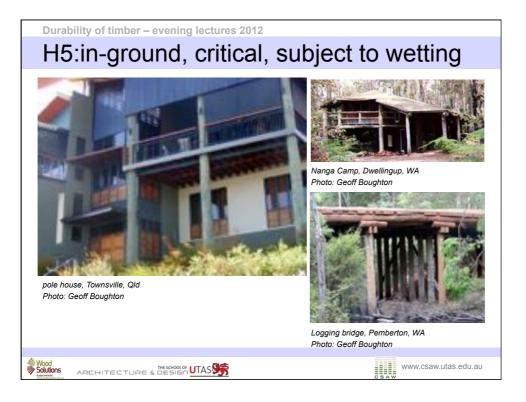
Hazard Class	Exposure	Service Conditions	Biological Hazard
H1	Inside above ground	Fully Protected, Well ventilated	Borers Only
H2	Inside above ground	Protected from Wetting, Nil leaching	Borers and termites
H3	Outside above ground	Moderate wetting and leaching	Decay borers& termites
H4	Outside in ground	Severe wetting & leaching	Severe decay, borers & termites
H5	Ground contact	Extreme wetting, leaching &/or critical use	Very severe decay, borers and termites
H6	Marine waters Nth & Sth	Prolonged immersion in Marine woo sea water and de	



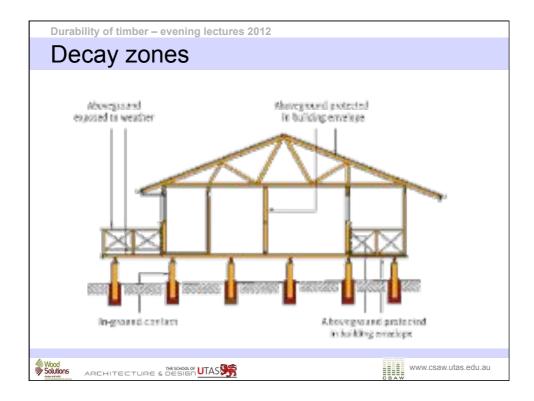


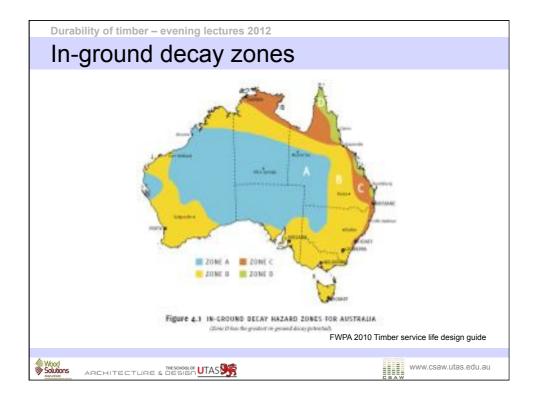


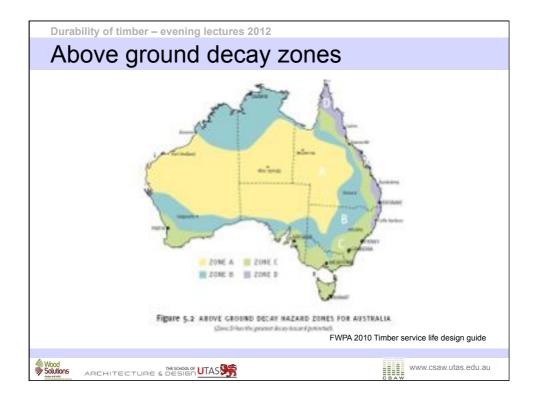


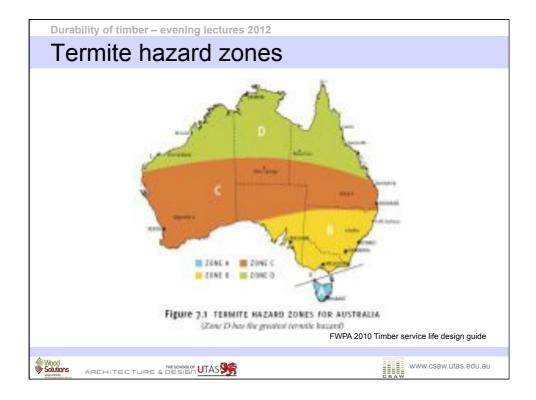




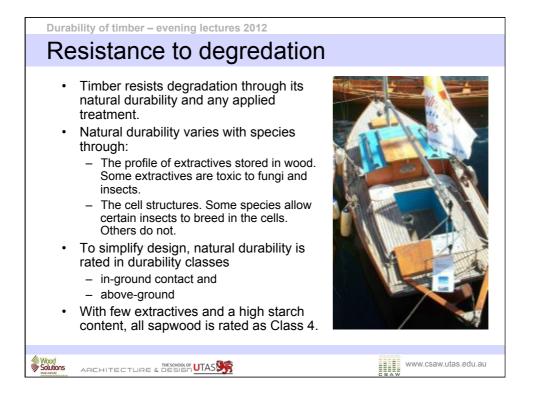






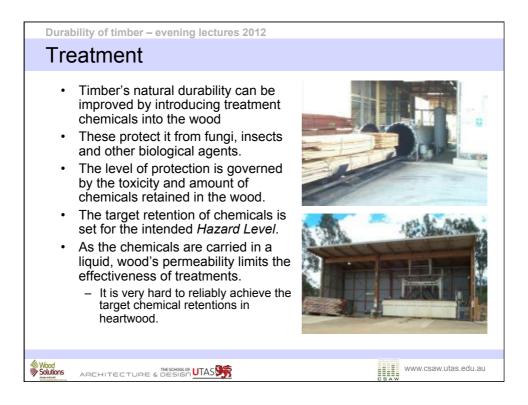


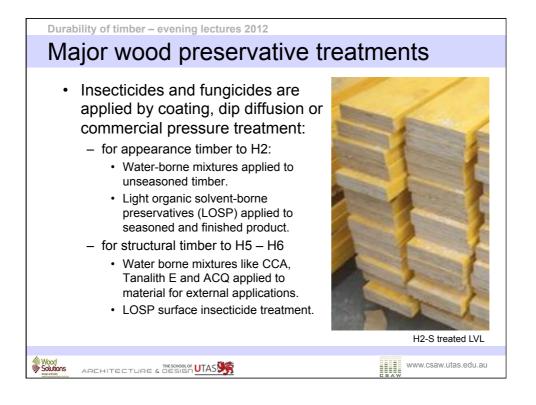




1Greater than 25Greater than 40Ironbark, Tallow215 to 2515 to 40Spotted gu Blackbutt, W35 to 157 to 15Brush box, So blue gum, Mes40 to 50 to 7Vic ash, Radiat Douglas to	owwood				
Image: State of the state of					
4 0 to 5 0 to 7 Vic ash, Radiat Douglas f					
Douglas 1					
The ratings in this table are based on expert opinions and the performanc					
 The ratings in this table are based on expert opinions and the performance of the following test specimens: (a) In-ground: 50 × 50 mm test specimens at four sites around Australia. (b) Above-ground: 35 × 35 mm test specimens at eleven sites around Australia. 					

Durability of timber – evening lectures 2012						
_ife expectancy – Marine						
Class	s Probable marine-borer-resistance life expectancy in southern waters (years)					
1	Greater than 60					
2	41 to 60					
3	21 to 40					
4	0 to 20, usually less than 5					
the wes Only class	 * NOTE: Marine borer resistance is based on natural round piles containing 350 mm diameter of heartwood in southern seas reaching from Perth in the west to Batemans Bay in the east. Only class 1 timbers can be expected to give reasonable service life (12 to 30 years) in northern waters. 					
ood outions ARCHITE						

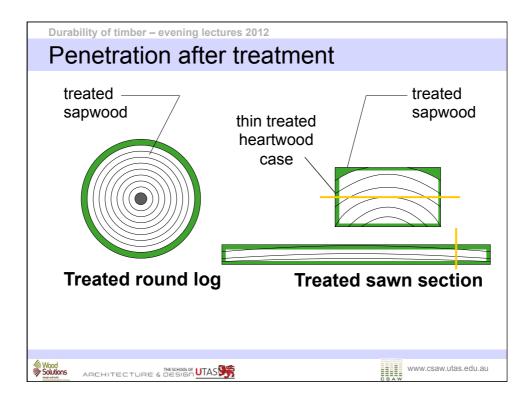




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Class	Suitability	Biological hazard
H1	suitable for H1 hazard environments – indoors, protected	Borers Only
H2	suitable for H2 hazard environments – suitable for all internal use	Borers and termites
H3	suitable for H3 hazard environments – up to above ground external use	Decay borers& termites
H4	suitable for H4 hazard environments – up to in contact with dry ground	Severe decay, borers & termites
H5	suitable for H5 hazard environments – up to all in-ground uses	Very severe decay, borers and termites
H6	suitable for H6 hazard environments –up to marine uses	Marine wood borers and decay

TYPE		HAZARD LEVEL					
		H1	H2	H3	H4	H5	H6
Water	Boron	\odot	0				
	CCA	\odot	0	\odot	\odot	\odot	(1)
	Copper Azole	\odot	0	\odot	\odot	:	
	ACQ	\odot	\odot	\odot	\odot	\odot	
Solvent	LOSP	\odot	\odot	\odot			
Double	CCA + Creosote						\odot













Durabil	lity of timber – evening lectures 2012	
Sur	nmary	
• • • - • - • - • -	The major forms of timber degr weathering, decay, attack by in organisms and fire. Hazards are defined in classes (A–D). Timber's natural durability abov contact is defined in classes (1 Timber's treated durability is de retention sufficient to resist haz Fire resistance is directly relate Associated material deteriorate vulnerabilities.	sects and similar (1-6) and zones ve and in-ground -4). efined by chemical ard classes (1-6). ed to density.
Wood Solutions		www.csaw.utas.edu.au