

Chainsaw Field Guide		Risk
<b>Objective</b> <ul style="list-style-type: none"> <li>How do I get home safely?</li> <li>What needs to be done?</li> <li>What is your desired lay?</li> <li>What obstacles exist and are their values high?</li> </ul>	Fall tree to any lay	Low
	Bucking or Limbing Only	Low
	Fall tree within 45 degrees of specific lay	Moderate
	Fall tree within 5 degrees of specific lay	High
<b>Hazards</b> <ul style="list-style-type: none"> <li>Overhead hazards</li> <li>Other Tree hazards in cutting area</li> <li>Environmental Hazards</li> <li>Cutting area hazards</li> <li>Wood Hazards – rot, cracks, live, dead, fire weakened</li> <li>Human factor Hazards</li> <li>Hung/jack straw trees</li> </ul>	Static Hazards	Low
	Dynamic Hazards	High
	No Escape from Hazards	STOP Reevaluate
	<30% Fiber at Hinge	STOP Reevaluate
	Base won't support stem if cut	STOP Reevaluate
<b>Leans (Falling)</b> <ul style="list-style-type: none"> <li>Side to Side</li> <li>Head or Back</li> <li>Risk of barber chair?</li> </ul>	<b>Side</b>	
	< 3 feet	Low
	3 ft. -5 ft.	Moderate
	>5 ft.	High
	<b>Head</b>	
	<3 ft.	Low
	>3 ft.	Moderate
	<b>Back</b>	
	1-2" lift to overcome	Moderate
	>2" lift to overcome	High
<b>Binds (Bucking)</b> <ul style="list-style-type: none"> <li>Top/Bottom</li> <li>Side to side</li> <li>End to end</li> <li>Combinations</li> </ul>	<b>Binds</b>	
	Known Low release of energy	Low
	Release of energy know but may require a series of cuts	Moderate
	High release of energy expected or unknown	High
<b>Escape paths</b>	<b>Angle</b>	
	Diagonal both clear	Low
	Only 1 escape path	Moderate
	<b>Distance from Tree</b>	
	15ft	Low
	10ft-15ft	Moderate
Cover <10 ft	Moderate	
No Escape Path	STOP Reevaluate	
<b>Cutting Plan</b> <ul style="list-style-type: none"> <li>Hinge design (80/10)</li> <li>Undercut</li> <li>Back cut</li> <li>Sequence of cuts</li> <li>Type of bucking cut</li> <li>Slope steepness</li> </ul>	<b>Undercut/Hinge</b>	
	Single cut undercut	Low
	Sound Fiber	Low
	Compromised Fiber	Moderate
	Double cut undercut	Moderate
	<b>Sequence of cuts</b>	
	All from 1 side, escape to same side	Low
	Requires moving from side to side of tree.	Moderate
	<b>Backcut</b>	
	Single backcut	Low
	Double cut backcut	Moderate
	Tree diameter > 2x bar length	High
	Cutting plan does not meet objective and needs to be changed	STOP Reevaluate
	Cutting plan does not meet sawyers ability and qualifications	STOP Reevaluate

Crosscut and Axe Field Guide		Risk
<b>Objective</b> <ul style="list-style-type: none"> <li>How do I get home safely?</li> <li>What needs to be done?</li> <li>What is your desired lay?</li> <li>What obstacles exist and are their values high?</li> </ul>	Fall tree in any direction	Low
	Fall tree in specific lay	Moderate
	Buck small bole where piece can be easily lifted and moved.	Low
	Buck large bole with pre-plan of how to move piece	Moderate
<b>Hazards</b> <ul style="list-style-type: none"> <li>Overhead hazards</li> <li>Other Tree hazards in cutting area</li> <li>Environmental Hazards</li> <li>Cutting area hazards</li> <li>Wood Hazards – rot, cracks, live, dead, fire weakened</li> <li>Human Factor Hazards</li> <li>Leaners and jack straws</li> </ul>	No safe lay	STOP Reevaluate
	0-2 Individual Hazards	Low
	3-5 Individual Hazards	Moderate
	>5 Individual Hazards	High
	No Escape from Hazards	STOP Reevaluate
	<30% Fiber at Hinge	STOP Reevaluate
<b>Leans (Falling)</b> <ul style="list-style-type: none"> <li>Side to Side</li> <li>Head or Back</li> <li>Risk of barber chair?</li> </ul>	Base won't support stem if cut	STOP Reevaluate
	<b>Side</b>	
	< 3 feet	Low
	3 ft. -5 ft.	Moderate
	>5 ft.	High
	<b>Head</b>	
	<3 ft.	Low
	3ft-6ft	Moderate
	>6 ft.	High
	<b>Back</b>	
<1" lift to overcome	Moderate	
>1" lift to overcome	High	
Back lean on tree <12" DBH	High	
<b>Binds (Bucking)</b> <ul style="list-style-type: none"> <li>Top/Bottom</li> <li>Side to side</li> <li>End to end</li> <li>Combinations</li> </ul>	<b>Binds</b>	
	Known low release of energy	Low
	Release of energy know but may require a series of cuts	Moderate
	High release of energy expected or unknown	High
<b>Escape paths</b>	<b>Angle</b>	
	45 degree both clear	Low
	Only 1 escape path	High
	<b>Distance</b>	
	15ft	Low
	10ft-15ft	Moderate
No escape path	STOP Reevaluate	
<b>Cutting Plan</b> <ul style="list-style-type: none"> <li>Hinge design (80/10)</li> <li>Undercut</li> <li>Back cut</li> <li>Type and sequence of cuts</li> <li>Wedging Plan</li> <li>Chopping</li> </ul>	<b>Undercut/Hinge</b>	
	Conventional undercut	Low
	Sound Fiber	Low
	Compromised fiber	Moderate
	Weak side vertical chopping	Moderate
	Undercut-other	High
	<b>Backcut</b>	
	Double sawyer	Low
	Single sawyer	Moderate
	<b>Bucking</b>	
	Double sawyer	Low
	Single sawyer - underbucking	Moderate
	Cutting height above shoulders	High
	<b>Wedging</b>	
Cutting plan does not meet objective	STOP Reevaluate	
Cutting plan needs to be changed	STOP Reevaluate	