



## LOGGING DATA COLLECTION INSTRUMENT

**Case ID:** \_\_\_ \_\_ MI \_\_\_ \_\_ \_\_

**Respondent** \_\_\_

**Date of Investigation** \_\_\_ / \_\_\_ / \_\_\_

<b>General Logging Information</b>		
1. Type of logging	01. Sawtimber 02. Pulpwood	03. Both 9. Unknown
2. Type of forest composition	01. Hardwood 02. Conifer	03. Mixed 9. Unknown
3. Type of Timber stand layout	01. Naturally occurring 02. Plantation	9. Unknown
4. Was timber stand marked?	01. Yes 02. No	9. Unknown
5. Type of Harvesting conducted at worksite	01. Clearcut 02. Selective/Partial cut 03. Salvage logging	04. Other (specify) _____ 9. Unknown
6. Type of operator	01. Commercial 02. Self-employed	03. Other (Specify) _____ 9. Unknown
7. Land ownership at incident site	01. Federal 02. American Indian 03. State 04. Industrial	05. Private 06. Other (specify) _____ 9. Unknown
<b>Victim Information</b>		
8. Was the victim performing a task that was not a part of their normal work duties/tasks?	01. Yes 02. No	9. Unknown
9. Was anyone within direct visual or verbal contact with victim at the time of the incident?	01. Yes 02. No (Go to Q11)	9. Unknown (Go to Q11)
10. Was this direct contact maintained for safety purposes?	01. Yes 02. No	9. Unknown
11. How familiar was the victim with the task being performed at the time of the incident?	01. Not familiar 02. Somewhat familiar	03. Very familiar 9. Unknown
12. How often did victim do this task? (if variable amounts, ask about the month prior to the incident)	01. First time ever? 02. Less than once per week 03. About once per month 04. Sporadically (during a month)	05. One or more times per week 06. Daily or almost daily 9. Unknown
13. How long had it been since the task was last performed by the victim?	01. < 1 week before incident 02. < 1 week before incident 03. 1 month before incident	04. 6 months to 1 year before incident 05. 1 year before incident 9. Unknown

14. How long had victim been working on day of incident?	01. Less than 1 hour 02. 1-4 hours 03. 5-8 hours	04. 9-10 hours 05. More than 10 hours 9. Unknown
<b>Incident Information</b>		
15. The victim's work area at the time of the incident was: (Circle all that apply)	01. Usual work area 02. Unfamiliar work area 03. Limited Access work area 04. Restricted work area	05. Unauthorized work area 06. Authorized work area 9. Unknown
16. Ground conditions at incident site (Circle primary and secondary conditions)	01. Clear 02. Moderate to Heavy Brush 03. Moderate to heavy slash 04. Rocky ground 05. Swamp/bog	06. Mud 07. Ice covered 08. Snow covered 09. Other (specify) _____ 99. Unknown
17. Were there adverse weather conditions at the time of the incident?	01. Yes 02. No (Go to Q19)	03. NA (Go to Q19) 9. Unknown (Go to Q19)
18. Adverse weather conditions which affected incident (List primary and secondary conditions)	01. Visibility 02. Electrical Storms 03. High winds 04. Rain 05. Snow	06. Fog 07. Darkness 08. Other (specify) _____ 9. Unknown
19. Location where incident occurred	01. Cutting site 02. Yard 03. Landing 04. Skid trail 05. Employer-built road	06. City/State/Federal road 07. Other (Specify) _____ 9. Unknown
20. Estimate Angle or percent grade of land where incident occurred	01. d 9. Unknown	
21. Type of work or work phase being performed by victim	01. Felling 02. Bucking 03. Limbing 04. Brushing 05. Chasing/Choker setting 06. Bunching/rigging 07. Skidding	08. Scaling/sorting 09. Loading 10. Hauling 11. Transporting 12. Other (specify) _____ 99. Unknown
22. Was first aid training provided to foreman, supervisors and persons in charge of crews	01. Yes 02. No	9. Unknown
23. Were there first aid kits available at worksite?	01. Yes 02. No	9. Unknown
24. Were there first aid kits available in the transport vehicle?	01. Yes 02. No	9. Unknown
25. Was logging operation on schedule?	01. Yes 02. No	9. Unknown
26. Type of payment for work	01. By the cord, load or other piecework 02. By the hour or week 03. Other (Specify) _____ 9. Unknown	

27. Cause of incident?	01. Falling tree, limb, etc. (Go to Q28) 02. Logs, downed tree, etc. (Go to Q52) 03. Chain saw (Go to Q59) 04. Transportation related (Go to Q63) 05. Fall related (Complete Fall Collection Data Instrument) 06. Machinery related (Complete Machine-related Data Collection Instrument) 07. Electrocution (Complete Electrocution Data Collection Instrument) 08. Other (specify) _____ 09. Unknown	
<b>Falling Tree, Limb Incident</b>		
28. Was victim a feller or bystander?	01. Feller (Continue) 02. Bystander (Go to Q49)	
29. Type of undercut	01. None 02. Standard 03. Humbolt	04. Swedish 9. Unknown
30. Was the back cut made properly?	01. Yes 02. No	9. Unknown
31. Species of felled tree (Be specific eg yellow poplar, dutch elm, noble fir, etc)	01. _____ 9. Unknown	
32. Diameter of stump of felled tree (inches)	01. _____ inches 9. Unknown	
33. Height of felled tree (feet)	01. _____ feet 9. Unknown	
34. Was escape path prepared?	01. Yes 02. No	9. Unknown
35. Did felled tree lodge/hang up into other tree?	01. Yes 02. No (Go to Q40)	9. Unknown (Go to Q40)
36. Was victim attempting to extricate lodged/hung up tree by felling standing tree?	01. Yes 02. No	9. Unknown
37. Distance from stump of felled tree to standing tree (feet)	01. _____ Feet 9. Unknown	
38. Was victim struck by dislodged tree?	01. Yes (Go to Q69) 02. No	9. Unknown
39. Was victim struck by tree that was being felled?	01. Yes (Go to Q69) 02. No	9. Unknown
40. Was victim struck by tree top, branch or snag?	01. No (Go to Q45) 02. Tree top 03. Branch	04. Snag 9. Unknown (Go to Q45)
41. What was length (ft) and diameter (in) of tree top, snag or branch that struck victim?	01. _____ feet 02. _____ inches	9. Unknown
42. Was tree top, branch or snag that struck victim from tree that was being felled or from another tree?	01. Tree being felled ( Go to Q45) 02. Other tree 9. Unknown (Go to Q45)	
43. If tree top, branch or snag was from another tree, what was the distance (ft) from stump of felled tree to base of tree from which tree top, branch or snag fell	01. _____ feet 9. Unknown	
44. What was diameter at base height (inches) of tree from which tree top, branch or snag fell?	01. _____ inches 9. Unknown	
45. Did incident involve butt rebound?	01. Yes 02. No	9. Unknown
46. Was decay present in the butt?	01. Yes 02. No	9. Unknown

47. Was the incident due to tree kicking/twisting off the hinge?	01. Yes (Go to Q69) 02. No	9. Unknown (Go to Q69)
48. Was the incident due to "barber chairing"?	01. Yes (Go to Q69) 02. No (Go to Q69)	9. Unknown (Go to Q69)
49. Activity of the bystander	01. Spotter/shoveler 02. Limber/bucker 03. Other feller 04. Equipment operator	05. Supervisor 06. Other (Specify) _____ 9. Unknown
50. Was a warning system used to let workers know felling operation was occurring?	01. Yes 02. No (Go to Q69)	9. Unknown (Go to Q69)
51. What type of warning system was used?	01. Hand signals (Go to Q69) 02. Vocal signals (Go to Q69) 03. Radio (Go to Q69) 04. Cellular communication (Go to Q69) 05. Other (specify) _____ (Go to Q69) 9. Unknown (Go to Q69)	
<b>Log/Downed Tree Incident</b>		
52. Type of activity	01. Bucking, limbing 02. Skidding, Cabling	03. Loading, sorting
53. Type of bucking/limbing incident	01. Sprung sapling/limb whip 02. Log roll/sprung log	03. Other (specify) _____ 9. Unknown
54. Type of skidding/cabling incident	01. Struck by moving logs 02. Caught under moving logs 03. Struck by falling logs 04. Other (specify) _____ 9. Unknown	
55. Type of equipment involved	01. Cable logger 02. Skidder/yarder	03. Other (specify) _____ 9. Unknown
56. Type of loading/sorting incident	01. Caught under/between logs, victim of shifting pile 02. Caught under/between logs, victim near shifting pile 03. Caught under/between logs being sorted 04. Struck by log during loading 05. Other (specify) _____ 9. Unknown	
57. Victim struck by logs falling from truck?	01. Yes 02. No (Go to Q69)	9. Unknown (Go to Q69)
58. Method of securing logs on truck bed (list up to 2 methods of securing) (After Completion, Go to Q69)	01. None 02. Stakes 03. Binders/chains 04. Binders/ropes	05. Binders/cables 06. Other (specify) _____ 9. Unknown
<b>Chain Saw Incident</b>		
59. Incident involved	01. Kickback 02. Broken chain 03. off-hand cut 04. Operating saw one-handed	05. Kickback while using saw one-handed 06. Other (specify) _____ 9. Unknown
60. Type of chain saw	01. One man 02. Two man	9. Unknown
61. Bar length	01. _____ Inches 9. Unknown	

62. Was chain saw equipped with a chain brake?	01. Yes (Go to Q69) 02. No (Go to Q69) 9. Unknown (Go to Q69)	
<b>Transportation Incident</b> (Transportation incident = people, logs, chips transported on recognized roadway "off the landing")		
63. Did vehicle have current legal inspection?	01. Yes 02. No	9. Unknown
64. Did vehicle: (Enter up to 3 choices in chronological order)	01. Overturn 02. Brake failure 03. Hit by other vehicle 04. Hit other vehicle	05. Tire Blowout 06. Load shift 07. Other (specify) _____ 9. Unknown
65. Was driver wearing a safety belt?	01. Yes 02. No	9. Unknown
66. Were passengers wearing a safety belt?	01. Yes 02. No	9. Unknown
67. Was vehicle	01. Hauling logs 02. Hauling chips 03. Hauling equipment	04. Transporting personnel 05. Other (specify) _____ 9. Unknown
68. Was the victim certified or licensed to operate vehicle involved in the incident?	01. Yes (Go to Q69) 02. No (Go to Q69)	9. Unknown (Go to Q69)
<b>Company Safety Program</b>		
69. Were safety issues discussed with victim prior to starting the day's work?	01. Yes 02. No	03. NA 9. Unknown
70. Were safety issues discussed during the planning and design phases of the project?	01. Yes 02. No	03. NA 9. Unknown
<b>Personal Protective Equipment</b>		
71. What types of PPE does the company require employees to use while performing the task: (Circle all that apply)	01. None 02. Hard Hat 03. Safety boots 04. Gloves 05. Chaps or Saw Pants 06. Eye protection 07. Face protection 08. Hearing Protection 09. Other (specify) _____ 99. Unknown	
72. Was victim using PPE?	01. Yes 02. No (Go to Q78)	9. Unknown (Go to Q78)
73. What types of PPE was victim using: (Circle all that apply)	01. Hard Hat 02. Safety boots 03. Gloves 04. Chaps or Saw pants 05. Eye protection 06. Face protection 07. Hearing Protection 08. Other (specify) _____ 9. Unknown	
74. Was PPE used in accordance with its design and function?	01. Yes 02. No	9. Unknown
75. Was the type of PPE used sufficient to protect him/her?	01. Yes 02. No	9. Unknown
76. Did PPE malfunction?	01. Yes 02. No (Go to Q78)	9. Unknown (Go to 78)

77. If yes, briefly describe PPE malfunction:		
78. Did employer maintain and inspect PPE on a regular basis?	01. Yes	03. NA (END)
	02. No (END)	9. Unknown (END)
79. Date of last PPE inspection:	01. __/__/__ Hard Hat	
	02. __/__/__ Safety boots	
	03. __/__/__ Gloves	
	04. __/__/__ Chaps or Saw pants	
	05. __/__/__ Eye protection	
	06. __/__/__ Face protection	
	07. __/__/__ Hearing Protection	
	08. __/__/__ Other (specify) _____	

# NOTES/ SKETCHES/ PICTURES

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