

CONFIDENTIAL

Mill/Yard Logistics Study

The survey attempts to understand the infrastructure, capacity, and operational characteristics of specific mills .
Please complete those questions on the survey, you feel comfortable answering. Thank you for your time and valuable feedback! (Contact: sangpilk@mtu.edu for any questions)

Mill Consolidation Site/Facility:					
Category	Subcategory 1	Subcategory 2		Questions	Answers
Origin (Landing)		Loading Time at the Logging Site	1	Average loading time per truck?	
	Basic Information	Demand Capacity	2	Quantity of log (Tons / Year) needed? (Demand for our data year)	
		Storage Capacity	3	Storage capacity (maximum tonnage) of the log at the storage facility of mill?	
		Processing Capacity	4	Average tonnage of logs used/processed per day?	
		Truck Transportation	Current Number of Inbound Trucks	5	Average and Maximum number of inbound trucks per a day?
	Unloading equipment		6	Unloading capacity at the mill/yard (trucks/hour or tons/hour)?	
	Waiting Time at the Mill		7	Average waiting time at the mill, if known (outside the gates)?	
	Unloading Time		8	Average turn-around time at the mill (time inside the gates, unloading, wait, etc.)?	
	Rail Transportation	Single / Multi Modal	9	Is rail transportation currently used for log movements?	
		Rail Operation	10	Service provider and service days per week (number and which days)	
		Type of Rail Car	11	Ownership of rail cars (size of fleet, if owned by the company)(?)	
		Number of Cars in a Train	12	Average and Maximum number of rail cars per train?	
		Unloading Capacity of Rail at the Mill	13	Unloading capacity at the mill/yard (rail cars/hour or tons/hour)?	
		Maximum Rail Car Capacity	14	Maximum rail car capacity on site (amount of track for empty/loaded cars)	
		"Trackmobile"	15	Do you own equipment to move rail cars within the mill?	
Intermediate Consolidation Sites (including satellite yards using truck or/and rail)	Basic Information	Location for Log Consolidation	16	Location of facility (address/coordinates)	
		Capacity of Consolidation Site	17	What is the storage capacity (maximum tonnage) of the log consolidation site?	
		Storage Cost at Consolidation Site	18	Average cost for storing logs (\$ / ton / month)?	
	Truck Transportation	Loading/Unloading Equipment	19	Loading/unloading equipment at the site? (self-loader??)	
		Loading / Unloading Cost	20	How is loading and unloading included in the cost?	
	Rail Transportation	Rail Operation at Consolidation Site	21	Service provider and service days per week (number and which days)	
		Rail Capacity at Consolidation Site	22	Average and Maximum number of rail cars per train?	
		Capacity Restrictions	24	Maximum rail car capacity on site (amount of track for empty/loaded cars)	
		Loading Cost	25	How is loading included in the cost (especially important, if there is multimodal transportation).	

NOTE: Spreadsheet contains separate worksheets for each Mill/Facility