Appendix C – Tally Cards With Examples

National Forest Inventory Header Information

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Proje	ect ID	Pl	lot Sa	mple	#		Netv	vork L	abel	

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Plot Navigation				
Site Information				
Disturbance				
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Treatment				
Woody Debris				
Surface Substrate				
Shrub and Herb				
Forest Floor Organic				
Small Tree				
Large Tree				
Soil Pit Features				
Soil Pit Horizons				
Horizon Information				
Soil Bulk Density			die	
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National Forest Inventory Header Information

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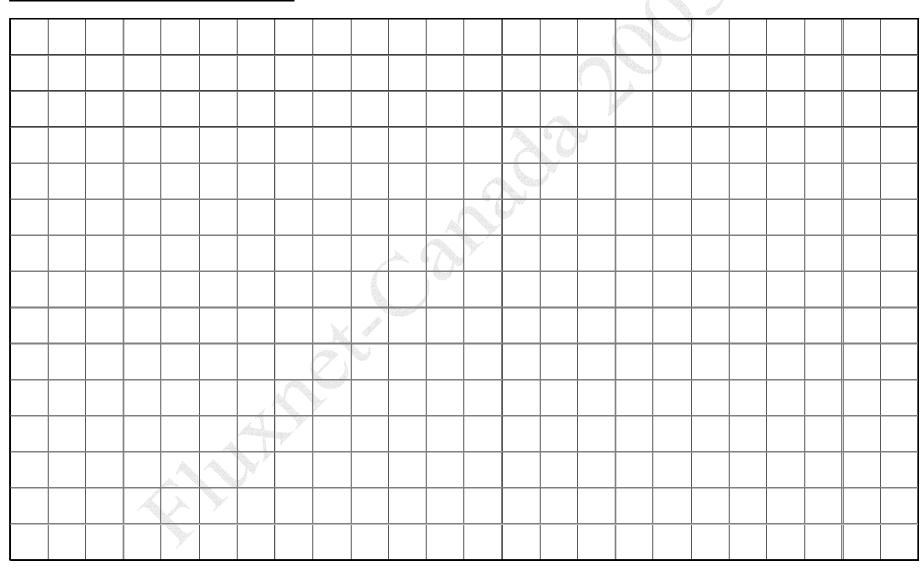
Access Notes (For example: "Start @ junction of hwy. 3 & 97, South 2.7 km on hwy. 3, Turn right, 10.6 km on East Main Road then turn left, etc.")	

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National Forest Inventory Compass Information

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National Forest Inventory Site Disturbance Information

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Specific Disturbance Agent (Comment)

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National Forest Inventory Woody Debris Transect 1

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	Data I	D
Project ID	Plot Sample #	Network Label

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	Crew (Initials)							
Person 1	Person 2	Person 3						

	Random		Horizontal Length								
	Azimuth	Observed									
700				m	Of				m		

							TRA	NSE	CT 1	-Rou	nd Pi	eces									
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National Forest Inventory Small Woody Debris Transect 1

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Project ID	Plot Sample #	Network Label							

TRANSECT 1 - Small Woody Debris												
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47	48	49	50	51	52	53	54	55	56	57	58	59

Small Woody	Debris, Dot Tally Total Nu	mber of Pieces
WORKSHEET ONLY - D	ATA WILL NOT BE KEY	PUNCHED
Class 1 (1.1 to 3.0 cm)	Class 2 (3.1 to 5.0 cm)	Class 3 (5.1 to 7.5 cm)
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National Forest Inventory Small Woody Debris Transect 2

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Small Woody I	Small Woody Debris, Dot Tally Total Number of Pieces								
WORKSHEET ONLY - D	ATA WILL NOT BE KEY	PUNCHED							
Class 1 (1.1 to 3.0 cm)	Class 2 (3.1 to 5.0 cm)	Class 3 (5.1 to 7.5 cm)							
	Avg. Decay Class of FWD								

National Forest Inventory Woody Debris Transect 2

Page	Of	
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	Data ID								
Project ID	Plot Sample #	Network Label							

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	Crew (Initials)		
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National Forest Inventory Woody Debris Transect 1 - Surface Substrate Tally

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Project ID Plot Sample # Network Label													

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	TRANSECT 1 - Percent Surface Substrate																											
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Total									

National Forest Inventory Woody Debris Transect 1 - Surface Substrate Tally

	Data ID											
Proj	ect ID		Р	lot Sa	ample	#			Netv	vork L	abel	

Instructions: For every meter along woody debris transect (corrected to horizontal), to the edge of the large tree plot, check box applicable to surface substrate type. For organic and buried wood, measure and record depth in cm to the nearest 0.1 cm. Total the number of surface substrate occurrences and the depths in each category. For surface substrate definitions, see below.

Note 1: in plots where the organic layer is > 30 cm, depth measurements only need to be recorded every 2nd meter of transect.

Note 2: in plots where the organic layer is > 60 cm, record "depth of organic" value as > 60 cm.

Surface Substrate	Definition
Organic matter	Surficial accumulations of organic materials include the following: 1) organic layers >= 1 cm thick overlying mineral soil, cobbles, stones or bedrock 2) layers of decaying wood < 10 cm thick 3) large animal droppings 4) areas covered by mats of bunchgrasses (mats include L horizons)
Buried wood	The proportion of the ground surface covered by buried wood: 1) class 5 woody debris with > 50% below the surrounding surface 2) does not include freshly fallen material that has yet to decompose 3) may be covered by mosses, lichens, liverworts, or other plants 4) if an organic layer has developed over the wood, buried wood must be > 10 cm thick otherwise it is classed as "organic matter".
Decaying wood	Fallen trees, large branches on the ground surface, and partially buried stumps with an exposed edge: 1) does not include freshly fallen material that has not yet begun to decompose (e.g. decay class 1 and 2 logs). Note that if there is a recently fallen class 1 or class 2 log blocking measurement, move the sample point to just beside the log (see anomalous conditions) 2) may be covered with mosses, lichens, liverworts, or other plants 3) if an organic layer has developed over the wood, decaying wood must have > 50% of its thickness above the surrounding surface, otherwise it is classed as "buried wood".
Bedrock	Bedrock includes exposed consolidated mineral material: 1) may have a partial covering of mosses, lichens, liverworts, or other epilithic plants 2) does not qualify as bedrock if covered by unconsolidated mineral or organic material >= 1 cm in thickness.
Rock or cobbles and stones	Rock (cobbles and stones) include exposed unconsolidated rock fragments > 7.5 cm in diameter: 1) may be covered by mosses, lichens, liverworts, epilithic plants (plants attached to an inorganic substrate); or an organic layer < 1 cm in thickness 2) does not include gravels < 7.5 cm in diameter.
Mineral Soil	Unconsolidated mineral material of variable texture not covered by organic materials: 1) may have a partial cover of mosses, lichens, and liverworts 2) often associated with cultivation, tree tip-ups, active erosion or deposition, severe fires, trails, or late snow retention areas 3) includes small cobbles and gravel < 7.5 cm in diameter 4) areas of living grass or forb cover where mineral soil is visible between stems are classed as mineral soil, as are exposed Ah or Ae horizons.
Water	Streams or areas of open water in bogs or fens. Note: this does not include "casual" or non-permanent water. The sample point should be recorded to reflect the conditions at the time of sampling, e.g. a gravel or sandbar below the high water mark for a stream would be recorded as mineral soil.

National Forest Inventory Woody Debris Transect 2 - Surface Substrate Tally

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١	Data ID													
		Proje	ect ID		Р	lot Sa	mple	#			Netv	vork l	abel	

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(Organ	ic	A۱	g. De	epth (cm)	Buri	ied W	/ood	A۷	g. De	pth (cm)	Dec	ay W	ood	В	edro	ck	Perd	cent f	Rock	Mir	eral	Soil	١	Vater	٢
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88
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National Forest Inventory Woody Debris Transect 2 - Surface Substrate Tally

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Proje	ect ID	Pl	ot Sa	mple	#			Netv	vork l	abel	

Instructions: For every meter along woody debris transect (corrected to horizontal), to the edge of the large tree plot, check box applicable to surface substrate type. For organic and buried wood, measure and record depth in cm to the nearest 0.1 cm. Total the number of surface substrate occurrences and the depths in each category. For surface substrate definitions, see below.

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Organic matter	Surficial accumulations of organic materials include the following: 1) organic layers >= 1 cm thick overlying mineral soil, cobbles, stones or bedrock 2) layers of decaying wood < 10 cm thick 3) large animal droppings 4) areas covered by mats of bunchgrasses (mats include L horizons)
Buried wood	The proportion of the ground surface covered by buried wood: 1) class 5 woody debris with > 50% below the surrounding surface 2) does not include freshly fallen material that has yet to decompose 3) may be covered by mosses, lichens, liverworts, or other plants 4) if an organic layer has developed over the wood, buried wood must be > 10 cm thick otherwise it is classed as "organic matter".
Decaying wood	Fallen trees, large branches on the ground surface, and partially buried stumps with an exposed edge: 1) does not include freshly fallen material that has not yet begun to decompose (e.g. decay class 1 and 2 logs). Note that if there is a recently fallen class 1 or class 2 log blocking measurement, move the sample point to just beside the log (see anomalous conditions) 2) may be covered with mosses, lichens, liverworts, or other plants 3) if an organic layer has developed over the wood, decaying wood must have > 50% of its thickness above the surrounding surface, otherwise it is classed as "buried wood".
Bedrock	Bedrock includes exposed consolidated mineral material: 1) may have a partial covering of mosses, lichens, liverworts, or other epilithic plants 2) does not qualify as bedrock if covered by unconsolidated mineral or organic material >= 1 cm in thickness.
Rock or cobbles and stones	Rock (cobbles and stones) include exposed unconsolidated rock fragments > 7.5 cm in diameter: 1) may be covered by mosses, lichens, liverworts, epilithic plants (plants attached to an inorganic substrate); or an organic layer < 1 cm in thickness 2) does not include gravels < 7.5 cm in diameter.
Mineral Soil	Unconsolidated mineral material of variable texture not covered by organic materials: 1) may have a partial cover of mosses, lichens, and liverworts 2) often associated with cultivation, tree tip-ups, active erosion or deposition, severe fires, trails, or late snow retention areas 3) includes small cobbles and gravel < 7.5 cm in diameter 4) areas of living grass or forb cover where mineral soil is visible between stems are classed as mineral soil, as are exposed Ah or Ae horizons.
Water	Streams or areas of open water in bogs or fens. Note: this does not include "casual" or non-permanent water. The sample point should be recorded to reflect the conditions at the time of sampling, e.g. a gravel or sandbar below the high water mark for a stream would be recorded as mineral soil.

National Forest Inventory Microplot and Shrub and Herb Species List

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		Data ID				
Project ID	Plot Sample #	Network Label	Micro Plot No.			
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Crew (Initials)										
Person 1	Person 2	Person 3								

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Plot Size (ha)	Full	Half	Qua

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Shrubs	Herbs and Grasses	Mosses and Lichens	Fine WD (<=1.0 cm)
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Ecological Plot (V	egeta	tion S	pecie	es
		Plot		
Fixed Area Plot			Quarter	
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National Forest Inventory Soil Header Information

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National Forest Inventory Small Tree Information

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National Forest Inventory Large Tree Information

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National Forest Inventory Stump Plot

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	Crew (Initials)	Part
Person 1	Person 2	Person 3

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Stumps >= 4.0 cm @DIB and length <= 1.3 m

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Stump Number					Spring	Spilled			Species			Freq.			DI	В			(m) 4to 00	rengin (m)			
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National Forest Inventory Height and Age Information

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	Height and Age Ir													ators										_]
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