

DATA * ref definitions below	Core data	Optional data	Forest/		i-Tree		Comments
			Natural areas		Streets	i-Tree Eco	
INVENTORY FEATURE CLASS							
** (iR) i-STREET required for minimal assessment report - use for existing inventories (iFA) i-STREET will produce a full analysis of the tree resource - new inventories							
Community Name	domain	X					standard code
Date of measurement	dd/mo/yyyy	X					
Type of inventory	domain	X					sample/complete
Data collector	format TBD		X				First and Last initials
Plot ID	format TBD			X		X	auto generated-UFORE
Plot size	format TBD			X		X	
Number of trees	integer			X			
Total street miles in community	miles				X	X	for random sampling
Total land area within community	acres				X	X	for random sampling
Shrub Information	format TBD					X	
Reference objects	format TBD					X	permanent plots - objects to assist re-location
Distance to reference object	feet					X	permanent plots - objects to assist re-location
Direction to reference object	azimuth					X	permanent plots - objects to assist re-location
Tree Measurement Point	format TBD					X	permanent plots - fixed point from where trees are measured if plot center is inaccessible
Measurement unit	domain					X	standard or metric
Percent measured	percentage					X	
Percent in	percentage					X	nearest 5%
Plot Tree Cover	percentage					X	nearest 5%
Plot Shrub Cover	percentage					X	nearest 5%
Plantable Space	percentage					X	nearest 5%
Ground Cover Information	percentage					X	nearest 5%
Plot Address	format TBD					X	descriptive notes on location
Percent measured	domain					X	UFORE required data
Percent in	domain					X	UFORE required data
Plot tree cover	domain					X	UFORE required data
Plot shrub cover	domain					X	UFORE required data
FIELD LOCATION							
Unique Identifier/Tree ID	auto-gen	X					(iR) auto generated with city code prefix
Actual Land Use	domain	X					residential/commercial/public/industrial
Lat/Long coordinates	format TBD	X					required for integration w/ GIS - & park trees
Location rating	domain		X				CTLA based rating system
Tree Address	format TBD		X				adjacent home address, if collecting hard copy
Street Name	format TBD		X				associated with house or lot address, if collecting hard copy
Location site	domain				X		(iFA) numeric address descriptors, front/side/rear/median
Street segment	format TBD				X		(iFA) for random sampling inventories - TIGER protocol
Zone	format TBD				X		(iFA) mngmnt zone, area, or neighborhood - city specific
TREE INFORMATION							
City Managed	domain	X					(iFA) private vs. publicly managed
Species common/botanic	domain	X					(iR) including code for available planting sites
DBH	inches	X					(iR) actual measurement to 1/10th in
Condition	domain	X					(iFA) structural & functional health
Age Class	domain		X				class/range
Insect & Disease	domain		X				presence
Height	domain		X			X	class/range
Height to base of live crown	domain					X	UFORE required - class/range
Canopy Width	feet		X			X	amount of ground area covered by tree canopy
Number Stems	integer		X				multistemmed trees - yes/no
Assessed Value	\$\$		X				generated by spp/location/condition/size
Planting Year	mo/yyyy		X				
Percent Canopy missing	percentage					X	% not occupied by leaves
Crown Dieback	percentage					X	within crown area
Crown light exposure	domain					X	# sides of tree receiving sunlight from above
Direction to building	azimuth					X	w/in 60' of residence ≤ 3 stories
Distance to building	feet					X	ref. Above
SHRUB & HERBACEOUS INFORMATION							
Species common/botanic	domain			X			List dominant native and all non-native species
Percent Cover for each species	percentage			X			
SITE DESCRIPTORS							
Wire Conflict	domain		X				describe presence/interference
Infrastructure - signs, hydrants, poles	domain		X				presence/conflict
Growspace size (measure)	feet		X				for planting trees
Soils	domain		X				community specific
MAINTENANCE MANAGEMENT							
Hazard Rating	number		X				CTLA standard
Visibility concerns	domain		X				level of interference
Maintenance recommendation	domain		X		X	X	(iFA) routine/immediate/critical
Priority Task	domain				X	X	(iFA) specific: prune/stake/remove, etc.
Sidewalk Damage	domain				X	X	(iFA) presence/absence and level
Other							
Comments	field		X				
Noteworthy	domain		X				Heritage, noteworthy
DEFINITIONS							
Essential data	Pertinent to trees managed individually; street trees, individual park trees. Minimum for development of management plan.						
Optional data	Data that may be included for local program management requirements						
Forest/natural areas	Trees managed as a group along with associated vegetation						
i-Tree Streets	Analysis of street trees - not all data listed is required; depends on reports desired						
i-Tree Eco	Analysis of entire urban forest populations - not all data listed is required; depends on reports desired						