

DATA * ref definitions below		Core data	Optional data	Forest/		i-Tree Streets	i-Tree Eco	Comments
				Natural areas				
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							