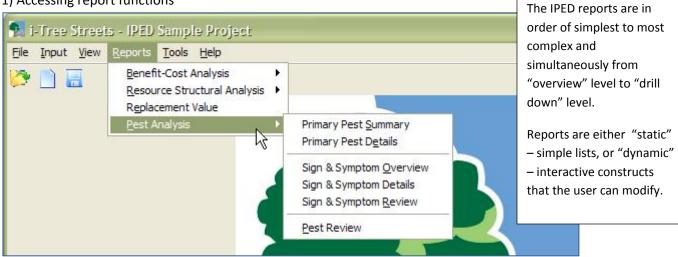
# IPED Reporting as implemented in i-Tree Streets v4

## 1) Accessing report functions



# 2) Primary Pest Summary – static report

Syracuse Primary Pest Sumn	nary of All Tr	ees for All	Zone	5		Page 1 of 1	Primary Pests that can actually be selected out in
4/13/2011	,						the field – those pests the
Primary Pest		pulation Standard Estimate Error	% of All Zones	% of All Trees	% of Pest Affected Trees		data collector felt confider
gypsy moth	2	N/A (N/A)	2.47	2.47	2.53		in identifying there and
bacterial leaf scorch	1	N/A (N/A)	1.23	1.23	1.27		then. A quick way to
bronze birch borer	1	N/A (N/A)	1.23	1.23	1.27		then. A quick way to
Leptographium root disease	1	N/A (N/A)	1.23	1.23	1.27		identify potential problem
Unknown	74	N/A (N/A)	91.36	91.36	93.67		identify potential problem
Total	79	N/A (N/A)	97.53	97.53	100.00		

## 3) Primary Pest Details – dynamic report

3) Primary Pest Details	– dynamic r	eport						This is an	interactiv	/e renort
🐁 i-Tree Streets - IPED	Sample Droje								ne user ca	
		555								
<u>File Input View Reports</u>	Tools <u>H</u> elp							the detai	ls of those	e records
🖄 🗋 🔚								identified	l above in	the
								Primary F	Pest Sumn	nary
Report By	Public Private	All						report. L	Jseful for	follow up
<ul> <li>Species (Citywide)</li> </ul>			Pri	marv P	est De	tails t	fo	tree inspe		ionon up
🔿 Zone	Pests							tree insp	ection.	
◯ Street			-							
U Street		ld Species	Zone	Street Seg	Street No.	Street	Loc	Loc. Site	Land Use	
Zone	🗄 - Unknown									
Al	bacterial le	af scorch [1 Trees]								
	3	Pin oak	3	1	55	frame	1	Front	Single fami	
Export	😑 bronze biro	ch borer [1 Trees]								
	45	Paper birch	2	0	1015	Jervis		Not Entere	Not Entere	
Print	🖃 gypsy moth	n [2 Trees]								
	2	American basswood	2	1	44	main	2	Front	Single fami	
	64	Oak	3	0	602	Court		Not Entere	Not Entere	
		nium root disease [1 Trees]								
	K 6	Horsechestnut	3	0	55	main	2	Front	Single fami	

#### 4) Signs and Symptoms Overview – static report

Syracuse     Page 1 of 1       Pest Sign & Symptom Overview by Species for All Trees       4/13/2011							
4/13/2011							
Species	Trees Affected	Population Standard Estimate Error	% of Species	% of All Trees	% of Pes Affected Trees		
American basswood	1	N/A (N/A)	100.00	1.23	1.27		
American beech	1	N/A (N/A)	100.00	1.23	1.27		
American holly	1	N/A (N/A)	100.00	1.23	1.27		
American sycamore	2	N/A (N/A)	100.00	2.47	2.53		
Apple	1	N/A (N/A)	100.00	1.23	1.27		
Ash	7	N/A (N/A)	87.50	8.64	8.86		
Black ash	1	N/A (N/A)	100.00	1.23	1.27		
Boxelder	1	N/A (N/A)	100.00	1.23	1.27		

This report lists all trees in the inventory that have some type of IPED data captured along with them. Data are broken down by species with number and percent of affected trees. A "State of the Forest" in terms of the IPED protocol.

#### 5) Signs and Symptom Details – static report

Page 1 of 13 Pest Sign & Symptom Details Summary of All Trees for All Species											
4/13/2011											
Species	Sign/Symptom Type/Location	Sign/Symptom	Tree Count	Population S Estimate 1		% of Species	% of All Trees	% of Pe Affected Tre			
American basswood	Tree Stress	Dieback	0	N/A (	(N/A)	0.00	0.00	0.			
		Epicormic Sprouts	0	N/A (	(N/A)	0.00	0.00	0.0			
		Wilted Foliage	0	N/A (	(N/A)	0.00	0.00	0.0			
		Environmental Stress	0	N/A (	(N/A)	0.00	0.00	0.0			
		Human-caused Stress	0	N/A (	N/A)	0.00	0.00	0.0			
		Notes Present	0	N/A (	N/A)	0.00	0.00	0.0			
		Trees Affected	0	N/A (	N/A)	0.00	0.00	0.0			
	Foliage/Twigs	Defoliation	1	N/A (	N/A)	100.00	1.23	1.3			
		Discolored Foliage		N/A (		0.00	0.00	0.0			

This report provides more detail than the Overview in #4 above – down to the specific sign or symptom with counts and percentages. It is broken down by species, then by the three main IPED categories, and then listed by sign or symptom.

#### 6) Sign and Symptom Review – dynamic report

6) Sign and Sympto	om Review – dynamic report	After reviewing the above
🔁 i-Tree Streets - IPE	D Sample Project	signs and symptoms
<u>File Input View Reports</u>	s <u>T</u> ools <u>H</u> elp	reports, the user may wish
🔭 🗎 🔚		to explore on their own.
C Report By	Public Private All	to explore on their own.
<ul> <li>Species (Citywide)</li> </ul>		This report acts like a
○ Zone	Pest Sign/Symptom Review of All Trees	•
○ Street	Pest Signs/Symptoms	"query builder" in that the
	1 2 * Select Description	user may check/uncheck
Export	⊕ Foliage / Twigs	multiple signs and
Print	Branches / Bole	symptoms at will to see
	Insect Signs	which tree records are
	Frass only Sawdust	
	Pitch/resin exudation	returned.
	D-shaped exit holes	
	Pencil round/oval exit holes >=2mm	In addition, the bottom
	Shot holes <2mm	third of the report shows
	Other holes	other signs and symptoms
	Matching Trees	• • •
	1 2 * Treeld Zone Street Seg Street No. Street Loc. No. Loc. Site Land Use Site Type I	the returned tree records
	Trees Match the Selected Sign/Symptom Categories [8.64% of All Trees]	possess, but that were NOT
	Ash [2 Trees, 2.47% of All Trees]     Green ash [1 Trees, 1.23% of All Trees]	checked above.
	Horthern red oak [1 Trees, 1.23% of All Trees]     Horthern red oak [1 Trees, 1.23% of All Trees]	
	• • • Oak [1 Trees, 1.23% of All Trees]	
	Additional Signs/Symptoms (Not Selected Above) of Matching Trees	
	1 2 * Sign/Symptom Count	
	* Tree Stress	
	Foliage/Twigs	
	Solution State Affected	

#### 7a) Pest Review – dynamic report

🔧 i-Tree Streets - IPEL	Sample Project
<u>File Input View R</u> eports	Tools Help
🏷 🗋 层	
Report By	Public Private All
Species (Citywide)	Pest Review for emerald ash borer of All Trees
🔿 Zone	Pest Signs/Symptoms
<ul> <li>Street</li> </ul>	1 2 Value
Pest Common Name	📮 Branches / Bole
emerald ash borer	😑 Loose Bark
Pest Scientific Name	Loose bark only
T est obientine Manie	Insect boring or galleries
Agrilus planipennis	Beetles
Export	
	D-shaped exit holes
Print	Problem Location
	Branches
	Bole and/or root collar
	Both
	Foliage / Twigs
	Discolored Foliage
	Matching Records - Primary Hosts
	1 2 3 * Treeld Zone Street Seg Street No. Street Loc. No. Loc. Site Land Use Site Type Latitude Longitude
	Ash [6 Trees, 7.41% of All Trees]
	Black ash [1 Trees, 1.23% of All Trees]     Green ash [4 Trees, 4.94% of All Trees]
	± Creen dsn[4 rrees, 4.34% or Air rrees]
	Matching Records - Other Hosts
	1 2 3 * Treeld Zone Street Seg Street No. Street Loc. No. Loc. Site Land Use Site Type Latitude Longitude
	American beech [1 Trees, 1.23% of All Trees]

#### 7b) Pest Review, expanded – dynamic report

1 2 *	Value													
Branch	es / Bole													
	D-refe													
Matching	Records	s - Prin	nary Host	5										
123*	Treeld	Zone	Street Se	,	Street	No.	Street	Loc. No.	Loc. Site	Land Use	Site Type	Latit		
Ash [6 T	rees, 7	.41%o	f Public Tr	æs]										
⊫ 1 of tł	ne 6 Tree	es Exa	ctly Matc	h 3	of 10 S	bign/	Sympto	orn Catego	nies [1.23%	of Public Tr	ees]			
🗆 🗆 1 o	fthe 1 Ti	rees H	ave 3 Add	itio	onal S	igns	/Sympto	ms (1.23%	of Public T	rees]				
Ξ	31	1		0	679		allen					0N		
	1 2 *	Sig	n/Sympton	1		Valu	Je							
	🖳 Matc	hing S	igns/Symp	ton	15									
	ka Tr	ee Stre	<del>3</del> 55											
		Dieback				Pervasive twig dieback								
	Fo	liage/1	wigs											
		%	Foliage Affe	ecte	d	>30% but not the whole crown								
	🖂 🛛 Bra													
			blem Loca			Brar	nches							
			Signs/Sym	pto	ns									
	- 🗉 Tr													
			man-cause	d S	tress	Тор	ping/Poo	or pruning						
	- 🖃 Fo	-	-											
			normal Foli	age	•	Foli	age/twig	s distorted	l or galls					
	🖂 🖻 Bra													
		Loc	ose Bark			Oth	er							

This reporting function examines the IPED tree records to find those that match on some or all of the known signs and symptoms of critical pests. It is not a diagnosis, but rather brings to the forefront tree records that should be examined more thoroughly.

Signs and symptoms of the critical pest in question are listed in the top third for review. Trees with at least one of these signs or symptoms on the primary host species are in the middle third. Records with matching signs and symptoms on OTHER hosts are in the bottom third.

This is the same report as in 7b above, however the first grouping has been expanded to show more detail. In this case, six Ash trees have one or more of the ten EAB signs and symptoms.

One tree of those six actually matches three of the ten signs and symptoms. The tree record is expanded and they are shown along with any additional, non-EAB signs and symptoms.

Two of the six trees match on two of the ten signs and symptoms.

This pattern continues for the other three of the six trees, depending on how many signs and symptoms they match, down to one sign or symptom.