

From 2010 Characterization USFS
Folder

2010

TRAN- SECT	TREE TAG #	PLOT ID	PARK	DIRECTIONS	LOCATION	CENTER TREE, DBH (cm)	Mortality Date	Densi Date	USFS Charact. Date
A	1	KENUPHD	Kensington Metro Park	Aspen trail across from Nature Ctr. Stay right, then right onto Tamarack Tr. Plot on left side. Fence uphill on left.	N 42 31' 57.5" W083 40' 14.9"	Prunus serotina, 21.6 cm	6.29.10	6.29.10	2008
A	2	KENUPHD2	Kensington Metro Park	Continue N from KENUPHD to flagged dead ash covered with Virginia creeper	N 42 32' 00.2" W083 40' 14.0"	Prunus spp. 7 cm	6.29.10	6.29.10	2009
A	3	KENUPHD3	Kensington Metro Park	Continue N from KENUPHD2 to flagged elm (center tree is NE of fenced area).	N 42 22' 41.8" W083 54' 16.0"	Ulmus rubra- healthy tree, no other choice, 32 cm	6.1.10	6.1.10	6.7.10
AA	4	HMHMD	Hudson Mills Metropark	Near pond.	N 42 22' 41.8" W083 54' 47.6"	Ostrya virginiana (two stems), 13.6 cm	6.1.10	6.1.10	2008
AA	5	HMHMD2	Hudson Mills Metropark	S of HMHD. Adjacent to the pond.	N 42 22' 40.4" W083 54' 46.9"	64-stemmed Quercus, 2 stems alive- 33.2 + 34.2 cm	7.16.10	7.16.10	2009
AA	6	HMHD3	Hudson Mills Metropark	West of HMMAT. Adjacent to low wet area to SE.	N 42 22' 41.3" W083 54' 48.5"	Prunus serotina, 16.5 cm	6.8.10 6.8.10 6.8.10 6.8.10 6.8.10 6.8.10	6.8.10 6.8.10 6.8.10 6.8.10 6.8.10 6.8.10	2008
B	7	KENDRY	Kensington Metro Park	Deer run to Marsh shortcut to Chickadee loop (shelter). Pass KENUP on right and continue to flagged American hornbeam on left. Walk NW to center. Left side of trail.	N 42 32' 08.0" W083 40' 02.3"	Carya ovata, 17.3 cm <i>dbh = 17.2</i>	6.30.10 6.30.10 6.30.10 6.30.10 6.30.10 6.30.10	6.30.10 6.30.10 6.30.10 6.30.10 6.30.10 6.30.10	2008
B	8	KENDRY2	Kensington Metro Park	Deer run to Marsh shortcut to Chickadee loop (shelter). Past KENDRY. Turn E into stand. Right side of trail.	N 42 32' 08.6" W083 39' 59.1"	Carya spp.- 2 stemmed, 31.3 + 11.9 cm	6.29.10 6.29.10 6.29.10 6.29.10 6.29.10 6.29.10	6.29.10 6.29.10 6.29.10 6.29.10 6.29.10 6.29.10	2009

Soil
moisture
Rating -5

					Mort	Dens.	
B	9	KENDRY2A	Kensington Metro Park	Left side of Chickadee trail. Enter stand at flagged cherry. NE from KENDRY.	N 42 32' 09.0" W083 40' 01.8"	Quercus, 14.9 cm	6.8.10 6.8.10 (1) 6.8.10 (2)
BB	10	HMDRY	Hudson Mills Metropark	Park at Nature Center. Take trail to the left toward point #12. Turn left before shortcut (see park trail map). Turn left (South) into stand just past point #11 (Life in Layers)	N 42 22' 30.2" W083 54' 50.4"	Quercus rubra, 27.7 cm	7.2.10 7.2.10 X 2008
BB	11	HMDRY2	Hudson Mills Metropark	SW of HMDRY	N 42 22' 29.2" W083 54' 51.5"	Tilia americana, 10.5 cm	7.2.10 7.2.10 (2)
BB	12	HMDRY3	Hudson Mills Metropark	S of HMDRY2. Down slight slope and past large rock pile.	N 42 22' 26.8" W083 54' 51.1"	Prunus, 27.5 cm	6.8.10 6.8.10 + 2008
C	13	KENUP	Kensington Metro Park	Deer run to Swamp shortcut to Chickadee loop (shelter). Turn right into stand at marked cherry. Four-stemmed ash at the edge of the trail.	N 42 32' 06.2" W083 40' 00.7"	Acer rubrum, 24.7 cm	6.30.10 6.30.10 X 2008
C	14	KENUP2	Kensington Metro Park	Enter Chickadee loop near shelter. Go right into stand at marked elm tree. On same side as KENUP.	N 42 32' 06.2" W083 39' 59.9"	Amelanchier, 9.1 cm	6.30.10 6.30.10 X 2009
C	15	KENUP3	Kensington Metro Park	First plot on right from Chickadee loop shelter. Turn into stand at flagged ironwood (Ostrya virginiana)	N 42 32' 03.09" W083 40' 02.1"	Ostrya, 7.8.2 cm	6.30.10 6.30.10 X 2009
CC	16	ILOPEN	Island Lake Recreation Area	Drive past railroad tressle. Park at open area to left. Cross road to gated path. Take path past wet area and enter stand at right where ground is dry.	N 42 29' 57.8" W083 43' 00.3"	Acer saccharum, 50.6 cm.	8.2.10 8.12.10 (2)
CC	17	ILOPEN2	Island Lake Recreation Area	N of ILOPEN	N 42 30' 00.5" W083 43' 01.0"	Tilia americana, 30.5 cm	6.8.10 6.8.10 X 2008

#20 NE =
Tall Skunkie SE = 0
SW = 1 - B.S. = 11

NW = 1
B.S. = 1

CC	18	ILOPEN3 cc ds ✓	Island Lake Recreation Area	NW of ILOPEN	N 42° 29' 58.9" W083 43' 02.4"	Quercus bicolor, 20.7 cm (N of large red maple)	Mort 8.12.10	Dens. 8.12.10	2009
D	19	KENDRY3 Farthest back transect on right cc side. ✓	Kensington Metro Park	Continue on Chickadee loop from KENDRY2. Look for flagged elm at right. Flagged center will be visible from trail. <i>Oriental</i>	N 42° 32' 16.4" W083 39' 59.6"	Acer rubrum, 25 cm	8.12.10	8.12.10 X	2008
D	20	KENDRY3A cc ds ✓	Kensington Metro Park	Continue E from KENDRY3 to marked cherry. Entance tree deeply grooved.	N 42° 32" 16.3" W083 39' 57.6"	Prunus serotina, 22 cm	7.1.10	7.1.10 X	2009
D	21	KENDRY3B cc ds ✓	Kensington Metro Park	Before KENDRY3 on right side of Chickadee trail. 1st plot, closest to trail. Turn into stand at marked beech.	N 42° 32' 14.0" W083 39' 59.2"	Moved center to Acer 13.9 cm.	6.8.10	6.8.10 6.8.10	1-2 Stand
DD	22	ILLOW cc ds ✓	Island Lake Recreation Area	NE of ILOPEN	N 42° 29' 59.1" W083 42' 58.8"	Tilia americana, 31.5 cm	8.12.10	8.12.10 X	2008
DD	23	ILLOW2 cc ds ✓	Island Lake Recreation Area	N of ILOPEN2, 5 m away from a huge cottonwood	N 42° 30' 03.2" W083 43' 00.4"	Acer saccharinum, 51.2 cm (just S of record cottonwood)	6.8.10	6.8.10 6.8.10 X	2009
DD	24	ILLOW3 cc ds ✓	Island Lake Recreation Area	Walk left up park road and look for flagged red maple sapling right side of road. Turn right at flagged tree. Plot is ~40 m from road.	N 42° 29' 52.5" W083 43' 04.0"	Acer saccharinum, 17.8 cm	8.11.10	8.11.10 8.11.10 X	2009
E	25	PLINT1 cc ds ✓	Proud Lake Rec. Area	Off of Bass Lake Rd. then onto boat launch road. Plot is down hill in low area before foot bridge.	N 42° 34' 33.3" W083 31' 15.8"	Prunus serotina, 20 cm	8.10.10	8.10.10 X	2008
E	26	PLINT2 cc ds ✓	Proud Lake Rec. Area	First of 2 plots on top of hill/ridge. Head NE off trail before trail takes left (W) turn.	N 42° 34' 33.6" W083 31' 14.3"	Quercus spp., 10.1 cm	8.10.10	8.10.10 X	2009
E	27	PLINT3 cc ds ✓	Proud Lake Rec. Area	Plot is North of parking lot. (before bridge). Go approx. 320 ft into woods. Plot is very close to parking lot.	N 42° 34' 35.3" W083 31' 12.9"	Prunus serotina, 10 cm	6.8.10	6.8.10 X	2009

Y	88	HLUP	Highland Recreation Area	Park at Haven Hill. Take nature trail at N end of parking lot. Go past marker 14 on CC ski trail. Plot is on hill to left of trail. Enter stand opposite large dead debarked tree on right of path (next to white oak with large canker about 15ft up). Before HLMATFR on left hillside.	N 42 38' 49.8" W083 33' 06.7"	Acer rubrum, 16.8 cm	Mort. Dens.	2008
Y	89	HLUP2	Highland Recreation Area	SW of HLUP3, on hillside facing the lake	N 42 38' 49.0" W083 33' 14.4"	Quercus alba, 47.0 cm	6.10 6.10 X	10 10 10 10 10
Y	90	HLUP3	Highland Recreation Area	NW of HLUP, NE of HLUP2	N 42 38' 51.5" W083 33' 13.9"	Fagus grandifolia, 16.7 cm.	6.10 6.10 X	2009
Z	91	HMMAT	Hudson Mills Metropark	Park at Nature Center. Take Nature Trail to the left. Pass picnic area and disc golf course. Take deer trail at right into stand. There is a poplar stand just before the deer trail. Head NE.	N 42 22' 41.5" W083 54' 41.6"	Quercus rubra, 48.2 cm	7.10 7.10 2008	2008
Z	92	HMMAT2	Hudson Mills Metropark	NW of HMMAT.	N 42 22' 41.8" W083 54' 42.9"	Carya glabra, 27.0 cm	7.10 7.10 X	2009
Z	93	HMMAT3	Hudson Mills Metropark	NE of HMMAT2	N 42 22' 43.6" W083 54' 44.8"	Quercus alba, 2-stemmed, 25.3 cm	7.10 7.10 X	2009
ZA	94	PONNEW	Pontiac Recreation Area	Gale Rd. trail -- right side. Enter stand few meters away from entrance and head east. On left side of marsh.	N 42 34' 24.5" W083 33' 02.2"	Acer rubrum, 11.3 cm	10.8.10 10.8.10 20.8.10 X	2008
ZA	95	PONNEW2	Pontiac Recreation Area	Parallel to trail and further N from PONNEW	N 42 40' 34.3" W083 28' 58.3"	Acer spp., 5.5 + 12.3 cm, 2-trunk	10.8.10 10.8.10 X	2009
ZA	96	PONNEW3	Pontiac Recreation Area	Towards the marsh from PONNEW2	N 42 40' 33.8" W083 28' 57.1"	Tilia or Populus, 14.2 cm	6.10 6.10 X	2009

back

							Mort.	Dens!
W	28	HLMAT	Highland Recreation Area	Turn rt. from Duck Lake Rd. onto Livingston Rd. 1st pkg. area on rt. Trail across rd - stay left until T intersection. Trail goes under road. Turn left on seldom used trail w/8 on trail marker. It faces the opposite way as you walk in. Turn right to find 1st plot.	N 42° 38' 42.1" W 083 34' 01.0"	Acer saccharum, 22.0 cm		2008
E	29	HLMAT2	Highland Recreation Area	Continue on cc-ski trail from HLMAT. On right side look for small flagged beech tree near area with lots of coarse woody debris. Enter stand and go up hill to the right. Stream is just to the N of the plot	N 42° 38' 45.2" W 083 34' 00.5"	Acer saccharum, 40.2 cm	6.7.10 6.7.10 X	2009
E	30	HLMAT3	Highland Recreation Area	Continue of cc-ski trail past HLMAT and HLMAT2. Pass point #9 of cc-ski trail. Cross small bridge over stream and turn left into stand up the hill at carved beech tree. Total distance hiked from parking lot is ~1.4 mi.	N 42° 38' 48.3" W 083 34' 09.1"	Quercus rubra, 43.5 cm	6.7.10 6.7.10 X	2010
F	31	PLDRYMAT	Proud Lake Rec. Area	Park at top of Boat Launch road (off Bass Lake Road). Take trail in past wet area & cross bridge over stream. Enter woods at flagged Cherry on right.	N42 34' 32.0" W083 31' 23.1"	Acer rubrum, 8.0 cm	6.7.10 6.7.10 X	2009
F	32	PLDRYMAT	Proud Lake Rec. Area	Park at top of Boat Launch road (off Bass Lake Road). Take trail in past wet area & cross bridge over stream. Go past flagged hickory. Turn N into stand at flagged maple seedling at right. Before powerline.	N42 34' 32.6" W083 31' 26.1"	2-stem Prunus, 38+ cm	6.8.10 6.8.10 X	2010

20 x 3 = 60

N.E. = B.S. =
S.E. = D.E. S.S. =
S.W. = N.W. =
W.S. = E.S. =
N.W. B.S. =

F	33	PLDRYMAT 2A CdS	Proud Lake Rec. Area	Cross stream and go uphill to deer (flagged hickory). Follow deer trail, large flagged ash to L of trail (uphill) is center. Middle plot.	N 42 34' 34.5" W083 31' 18.7"	<i>Prunus serotina</i> , 18 cm	Wort. Jensel	Wort. Jensel	2008
G	34	PLCONF X CdS	Proud Lake Rec. Area	Park at top of Boat Launch road. Follow trail past 4 other sites (pass stream, powerlines). Turn right (north) into stand at flagged red maple seedling.	N 42 34' 32.6" W083 31' 41.2"	2-stem <i>Acer rubrum</i> , 4.4 + 5.4 cm	8.10.10 8.10. X	8.10. X	2008
G	35	PLDRYMAT 3 CdS X	Proud Lake Rec. Area	Park at top of Boat Launch road (off Bass Lake Rd). Trail crosses bridge over stream. Go past flagged hickory and maple. Go N into stand at flagged American hornbeam at right (two flags).	N 42 34' 32.7" W083 31' 38.5"	3-stem <i>Acer rubrum</i> , 2.2 + 10 + 16.4 cm	6.8.10 6.8. X	6.8. X	2008
G	36	PLDRYMAT 3A CdS	Proud Lake Rec. Area	Take trail past powerlines. Go right at flagged American hornbeam (single flag).	N 42 34' 33.8" W083 31' 36.4"	<i>Quercus velutina</i> , 19.2 cm	7.2.10 7.2.10 X	7.2.10 X	2009
H	37	PLWET X CdS	Proud Lake Rec. Area	Trail head near park office at Wixom Rd. Take River trail to Yellow Birch sign. Enter wet area at left at last section of boardwalk.	N 42 34' 29.3" W083 32' 45.7"	Move to NW <i>Carpinus</i> 6.0 cm.	7.2.10 7.2.10 X	7.2.10 X	2008
H	38	PLWET2 X CdS	Proud Lake Rec. Area	Take River trail. Turn N (L) into stand at small flagged cherry. Middle plot after 2nd boardwalk.	N 42 34' 28.7" W083 32' 47.2"	<i>Acer</i> , 5.8 cm	6.8.10 6.8. X	6.8.10 X	2008
H	39	PLWET3 X poison sumac your face	Proud Lake Rec. Area	Take River trail. Enter trail at beginning of first board walk.	N 42 34' 27.1 W083 32' 48.9"	<i>Larix</i> , 21.7 cm	7.2.10 7.2.10 X	7.2.10 X	2009
I	40	KENWET X CdS	Kensington Metro Park	Park at NC, take Deer Run trail ~100 ft. 1st plot closest to NC on left side of trail.	N 42 31' 49.2" W083 40' 13.6"	<i>Quercus macrocarpa</i> , (bur) 22 cm	6.30.10 6.30.10 X	6.30.10 X	2008

						Wort	Densi	
I	41	KENWET2 cc S	Kensington Metro Park	5th Kenwet plot. on Deer Run trail. Cross boardwalk over marsh. Enter at small stream walk up hill to plot ctr.	N 42 31' 52.0" W083 40' 02.7"	2-stem <i>Carpinus caroliniana</i> , 6.6 cm 8.1 + 6.9 cm	6.30.10	6.30.10
J	42	KENWET4 laterals CC S Hes sign - please cut	Kensington Metro Park	6th Kenwet plot. Deer run trail, cross boardwalk over marsh. Go in on rt. side not straight in. Before squirrel sign. Last plot on left where Kamal got stuck.	N 42 31' 52.0" W083 39' 59.3"	Tamarack, 26.3 cm <i>Dead</i>	6.7.10	6.7.10
J	43	KENWET3 cc S	Kensington Metro Park	3rd Kenwet plot. Deer run trail. Turn left into stand at flagged oak, just before bridge.	N 42 31' 52.5" W083 40' 08.3"	Moved to 9.0 cm. 177° az. from old ctr. Dist. To new ctr. 2.25 m.	6.30.10	6.30.10
J	44	KENWET3A cc S	Kensington Metro Park	2nd Kenwet plot. Deer run trail to flagged 2-stemmed ash at left. Uphill to flagged ash which marks center.	N 42 31' 51.7" W083 40' 10.1"	+8.5 + 11.2 + 7.5 cm 4-stem <i>Carpinus</i> , 8.2	6.30.10	6.30.10
J	45	KENWET3B cc S	Kensington Metro Park	4th Kenwet plot. From KENWET3 go further back into stand (45 degrees) away from boardwalk.	N 42 31' 53.2" W083 40' 06.7"	<i>Acer</i> spp., 9.2 cm	6.7.10	6.7.10
K	46	BRINT2 mo ash	Brighton Rec. Area	Park at Bishop Lake Complex at right side of parking lot (large white pine). Cross picnic area toward lake and go downhill at "no dogs" sign. Enter stand at flagged honeylocust (?).	N 42 30' 01.6" W083 50' 09.7"	Honey locust, 10.5 cm Flagged honey locust is center	6.7.10	6.7.10
K	47	BRINT2A cc S	Brighton Rec. Area	From BRINT2, continue down slope toward lake to large flagged ash.	N 42 30' 01.8" W083 50' 11.1"	<i>Tilia</i> , 16.9 cm	6.8.10	6.8.10
K	48	BRINT2B cc S	Brighton Rec. Area	Park at Bishop Lake complex. Enter woods at trail opposite outhouse (NW side of pk'g lot). Go SW (left) to marked elm and enter stand by turning right	N 42 30' 04.2" W083 50' 11.6"	<i>Robinia pseudoacacia</i> , locust, 10.5 cm	6.8.10	6.8.10

							More	Densi	
L Mixed	49	PONUP	Pontiac Recreation Area	Park at Gale Rd. trail head. Hike in ~50m. Turn left into stand at flagged red maple seedling (leaning) ~3m from trail edge. Bear slightly to left to find center tree.	N 42 40' 33.4" W083 29' 01.4"	Acer rubrum, 15.5 cm cm	7.27.10 7.27.10	10 X	2008 ②
L	50	PONUP2	Pontiac Recreation Area	Park at Gale Rd. trail head. Look for flagged elm sapling on left ~2m from edge of trail. Turn left into stand. Something buried at plot ctr.-stone ring.	N 42 40' 35.3" W083 29' 00.8"	Acer, 28.4 cm cm	7.27.10 7.27.10	10 ②	2009
L	51	PONUP3	Pontiac Recreation Area	Continue N on trail from PONUP2. Flagged elm sapling on L. Enter stand and head SW to flagged white oak.	N 42 40' 36.7" W083 29' 01.4"	Quercus alba, 30.6 cm cm	6.8.10 6.8.10	10 X	2008 ②
M Grove	52	PONHD	Pontiac Recreation Area	Go directly West from PONUP3. Farthest back on hump beneath ridge.	N 42 40' 38.0" W083 29' 03.0"	Quercus rubra, 24 cm cm	7.21.10 7.22.10	10 X	2009 ②
M	53	PONHD2	Pontiac Recreation Area	Gale Rd. trail to T intersection (~.15mi), go left around the bend and up hill. Go L (SW) into stand at flag. On top of ridge.	N 42 40' 40.1" W083 29' 05.6"	Quercus rubra, 16 cm cm	7.27.10 7.27.10	10 X	2009 ②
M	54	PONHD3	Pontiac Recreation Area	South of PONHD2. Chair plot beneath ridge.	N 42 40' 34.0" W083 29' 06.0"	Quercus rubra, 39 cm cm	6.8.10 6.8.10	10 X	2010 ②
N Grove	55	PONEAST	Pontiac Recreation Area	Gale Rd. trail to flagged elm on right. Use GPS to navigate to plot (3rd plot in). Pond to S. of plot ~80m. Farthest back plot.	N 42 40' 34.7" W083 28' 54.1"	Carya ovata, 28.0 cm cm	7.14.10 7.14.10	10 X	2008 ②
N	56	PONEAST2	Pontiac Recreation Area	Gale Rd. to flagged elm. Go east (R) into stand.	N 42 40' 35.2" W083 28' 55.0"	Sassafras albidum, 12.2 cm cm	7.14.10 7.14.10	10 ②	2009 ②
N	57	PONEAST3	Pontiac Recreation Area	Gale Rd. to flagged elm. Go east (R) into stand.	N 42 40' 35.3" W083 28' 58.1"	Quercus rubra, 29.4 cm cm	6.7.10 6.7.10	10 X	2010 ②

① NC = 144
 SE = 1
 SW = 1
 NW = 0

② B.S. = 11

							Ward.	Densi.	
O	58	PONRT	Pontiac Recreation Area	Gale Rd. trail to second flagged tree on right side of trail. Enter stand and head east. Follow GPS to PONRT. Before farthest back plot in middle.	N 42 40' 36.6" W083 28' 55.9"	Quercus rubra, 27.5 cm	7.11.10	7.14.10	2008
O	59	PONRT2	Pontiac Recreation Area	Gale Rd. path to T-intersection. Take path to right. Flagged hickory 3-4 m from trail on right marks entrance to plot. Annie's	N 42 40' 42.4" W083 28' 55.9	Acer rubrum (2 fused trunks), 19.2 cm	7.14.10	7.14.10	2009
O	60	PONRT3	Pontiac Recreation Area	Gale Rd. trail to flagged red maple on right side of trail. Turn right into stand at large forked red oak. Annie's	N 42 40' 39.6" W083 29' 00.8"	Hickory, 28.5 cm	6.8.10	6.8.10	2010
P	61	ILRIP	Island Lake Recreation Area	Park at Riverbend picnic area and take yellow path. Riparian area is on right before you come to bridge over Huron River. Last plot in back.	N 42 30' 18.1" W083 42' 41.7	Acer rubrum (5 stems), 3.9 + 2.2 + 1.5 + 1.5 + 1.5 cm	7.3.10	7.29.10	2010
P	62	ILRIP2	Island Lake Recreation Area	Go SE from ILRIP. Mid right plot.	N 42 30' 20.0" W083 42' 41.8"	Acer rubra, 10 cm, 2-stemmed	8.11.10	8.11.10	2008
P	63	ILRIP3	Island Lake Recreation Area	South of ILRIP2. Closest to trail toward bridge.	N 42 30' 18.5" W083 42' 39.6"	Quercus spp., 11.7 cm	7.30.10	7.30.10	2009
Q	64	ILCC (Canoe camp)	Island Lake Recreation Area	Park across from road leading to canoe camp. Hike in towards river on gated dirt road. Take trail to the left at outhouse. At camp #2 enter woods heading SE to flagged black ash tree	N 42 29' 55.4" W083 43' 08.1"	Quercus, 11.7 cm	8.11.10	8.11.10	2009
Q	65	ILCC2	Island Lake Recreation Area	Continue S from ILCC.	N 42 29' 53.8" W083 43' 09.1"	Quercus bicolor, 28.3 cm	6.8.10	6.8.10	2010

Q	66	ILCC3 ccdsy	Island Lake Recreation Area	Continue S from ILCC2. Last plot of the three-- often under H20.	N 42° 29' 51.3" W 083 43' 09.5"	Acer saccharinum, 12.1 cm	Mort. 8.11.10	Dens. 8.11.10	2008
R	67	ISMATDRY whitex	Indian Springs Metropark	Park at Nature Center. Take Nature Trail through construction area, meadow, stay to left. Enter woods on left before reaching old stove landmark on trail.	N 42° 42' 09.0" W 083 29' 47.5"	Acer saccharinum (2 stems), 12.0 and 13.5 cm	7.6.10	7.6.10	2008
R	68	ISMATDRY2 ccdsy	Indian Springs Metropark	SE of ISMATDRY.	N 42° 42' 07.1" W 083 29' 46.4"	Acer saccharinum, 8.3 cm	6.8.10	6.8.10	2010
R	69	ISMATDRY3 ccdsy	Indian Springs Metropark	Park at Nature Center. Take Nature Trail to old stove, go left into plot past ISDRYMAT. Use GPS to navigate to plot. Old wire fence runs across SE quadrant of plot.	N 42° 42' 07.1" W 083 29' 45.6"	Tilia americana (2 stems), 5 and 14.5 cm	7.7.10	7.7.10	2009
S	70	ISLD (low ash density) Wet plots	Indian Springs Metropark	West of ISMATDRY2. Enter stand past old stove landmark, head S .	N 42° 42' 05.9" W 083 29' 50.6"	Carpinus caroliniana (6 stems, 3 primary); 2.3 + 1.6 + 9.1 + 10.0 + 3.0 + 11.2.	7.8.10	7.8.10	2008
S	71	ISLD2 ccdsy	Indian Springs Metropark	East of ISLD and ISLD2, closest to road	N 42° 42' 04.6" W 083 29' 50.5"	Acer rubrum, 34.4 cm circumference	6.8.10	6.8.10	2010
S	72	ISLD3 ccdsy	Indian Springs Metropark	Directly west of ISLD just NW of 3 . Farthest back close to road.	N 42° 42' 04.6" W 083 29' 52.6"	Tamarack, 34.3 cm	7.2.10	7.2.10	2009
T	73	ISMATDE (Deer exclosure)	Indian Springs Metropark	Take path to second deer exclosure (in wooded area). Go SE into stand (left) to flagged red oak (past triplet ash tree).	N 42° 42' 12.7" W 083 29' 40.3"	Quercus rubra, 20.3 cm	7.6.10	7.6.10	2008
T	74	ISMATDE2 ccdsy	Indian Springs Metropark	NE of ISMATDE. Short distance from trail. Take nature trail, turn left (SE) into woods at very large tripod beech about 4 m from trail edge.	N 42° 42' 13.7" W 083 29' 38.5"	Quercus bicolor, 35.8 cm	7.6.10	7.6.10	2009

T	75	ISMATDE3	Indian Springs Metropark	SE of ISMATDE2. Cross low, wet area, beware of wire fence that runs through W side of stand.	N 42 42' 10.4" W083 29' 36.9"	Prunus serotina (2 stems) 13 and 17.1 cm,	6.8.10	6.8.10	2008	(2)
U	76	ISRIP	Indian Springs Metropark	Take trail to 2nd deer exclosure in wooded area. Go right into woods (N) at 4 ft tall stump. Go to the left to get over the wire fence. Go north to plot which is just N of uprooted tree.	N 42 42' 16.5" W083 29' 44.3"	Acer rubra, 13.3 cm	7.1.10	7.1.10	2008	(5)
U	77	ISRIP2	Indian Springs Metropark	Enter woods near 4 ft tall stump (see above). Go left to get over fence. Go N to small stream. Plot is E and slightly N of ISRIP. Just past remains of old bridge over stream.	N 42 42' 17.1" W083 29' 41.0"	Acer spp., 23.4 cm	7.1.10	7.1.10	2008	(5)
U	78	ISRIP3	Indian Springs Metropark	NE of ISRIP2 and E of stream. Take trail, turn left into stand at tilting bench on right side of trail. Center tree visible from bench.	N 42 42' 17.6" W083 29' 38.9"	Acer rubrum, 16.6 cm	7.1.10	7.1.10	2009	(5)
V	79	ISOPEN	Indian Springs Metropark	Take trail past stove, bridge etc. to fork in trail. Take path to right. Turn right (E) into stand about 25 feet before reaching large beech tree with J + A carved into it. Plot is NE of ISOPEN3.	N 42 42' 17.3" W083 29' 49.6"	Quercus rubra, 31.7 cm	7.3.10	7.3.10	2008	(5)
V	80	ISOPEN2	Indian Springs Metropark	Take trail past stove, bridge. Bench in open area on L side of trail is a landmark to enter the stand at right (E). If you come to fork in the trail you've gone too far. Before Fairy Tale Forest.	N 42 42' 13.8" W083 29' 56.6"	Quercus rubra, 11.7 cm	7.8.10	7.8.10	2009	(2)

V	81	ISOPEN3	Indian Springs Metropark	Take trail past stove, bridge. Take right trail at fork past 2nd shelter. Turn into stand at right (SE) at Y-shaped beech tree with hollow at base which sits ~9m from trail edge. Plot is 1.11 mi from Nature Ctr.	N 42° 42' 16.2" W 083 29' 52.3"	(2 stems), 5.3 and 2.2 cm	Wlght. Densit.	3 2010
W	82	HLMATFR Farthest back transect @ Haven Hill area.	Highland Recreation Area	Park at Haven Hill Lake parking lot. Take nature trail at N end of parking lot. Cross dam. Stay to right 1st fork in trail (white & yellow foot trail). Stay left at 2nd fork (shubby oak on right and tall grass at left). Stay to right, stream on left, wetland on right.	N 42° 28' 55.9" W 083 33' 22.8"	Acer saccharum, 8.2 cm	6' 8" 10' 8" 10' X	2008 2008
W	83	HLMATFR2	Highland Recreation Area	See directions above. Directly SE of HLMATFR. Behind HLMATFR.	N 42° 38' 54.9" W 083 33' 24.9"	Acer saccharum, 13.3 cm	6' 10" 10' 10' X	2009 2009
W	84	HLMATFR3	Highland Recreation Area	See directions above. Last plot on Baby deer ins.	N 42° 38' 58.3" W 083 33' 27.0"	Ostrya virginiana (2 stems), 15.4 and 17.9 cm	6' 10" 10' 10' 10' X	2008 2008
X	85	HLRIP	Highland Recreation Area	Park at Haven Hill. Take nature trail at N end of parking lot. Plot is on R side of trail (E) on hill between trail and park road. Enter at meteor rock.	N 42° 38' 44.7" W 083 33' 03.4"	Populus grandidentata, 14.8 cm	6' 17" 10' 15" 10' X	2008
X	86	HLRIP2	Highland Recreation Area	Park at Haven Hill. Enter stand at right at "meteor" (large porous rock) on the right side of trail. Plot is just SE of HLRIP	N 42° 38' 43.0" W 083 33' 02.6"	Populus grandidentata, 35.9 cm	6' 15" 10' 15" 10' X	2009 3 book back
X	87	HLRIP3	Highland Recreation Area	NE of HLRIP	N 42° 38' 46.7" W 083 33' 02.0"	Tilia americana 9.3 cm.	6' 10' 10' 10' X	2009 2-3 @ back

							Wort.	Dens.	
ZB	97	PONRD CCS	Pontiac Recreation Area	Towards the marsh from PONNEW3. Kamal's	N 42 40' 31.9" W083 28' 55.6"	<i>Tilia americana</i> , 24.5 cm	6.18.10	6.18.10	(2)
ZB	98	PONRD2 CCS	Pontiac Recreation Area	Around the marsh and N from PONRD. Kamal's	N 42 40' 33.1" W083 28' 54.2"	<i>Tilia spp.</i> , 3-stemmed, 19.1 + 13.1 + 9.5 cm	1.13.10	1.13.10	2009
ZB	99	PONRD3 CCS	Pontiac Recreation Area	On road side of marsh and W from PONRD2, close to road, N of swamp. Kamal's	N 42 40' 33.4" W083 28' 56.5"	<i>Quercus spp.</i> , 23 cm	1.1.10	6.7.10	(3) 2010
ZC	100	PONWH CCS	Pontiac Recreation Area	Left side of PONRD2	N 42 40' 35.7" W083 28' 54.7"	<i>Quercus alba</i> , 30.4 cm	1.1.10	1.1.10	2008
ZC	101	PONWH2 CCS	Pontiac Recreation Area	Close to a large marsh	N 42 40' 36.9" W083 28' 51.8"	<i>Acer spp.</i> , 21.3 cm	1.1.10	1.1.10	(2) 2008
ZC	102	PONWH3 CCS	Pontiac Recreation Area	Opposite of another large marsh from PONWH2	N 42 40' 36.0" W083 28' 49.0"	<i>Tilia spp.</i> , 34 cm	1.1.10	6.7.10	(2) 2010
ZD	103	ISBR CCS	Indian Springs Metropark	Park at Nature Center. Take Nature Trail through construction area, meadow, stay to left, then turn right from the gazebo, cross bridge, plot on right side just after the bridge	N 42 42' 23.4" W083 29' 36.4"	<i>Acer saccharinum</i> , 8.5 cm	6.1.10	6.7.10	2008
ZD	104	ISBR2 CCS	Indian Springs Metropark	Into the forest at a triangle from ISBR and ISBR3	N 42 42' 22.8" W083 29' 37.2"	<i>Acer spp.</i> , 29 cm	1.2.10	7.2.10	(5)
ZD	105	ISBR3 CCS	Indian Springs Metropark	Along the creek from ISBR	N 42 42' 23.9" W083 29' 36.6"	<i>Quercus spp.</i> , 35.5 cm	1.1.10	6.7.10	2008
ZE	106	ISBR3 CCS	Indian Springs Metropark	Plot on left side of trail just after the bridge. Across trail from ISBR.	N 42 42' 20.1" W083 29' 37.5"	<i>Acer saccharinum</i> , 34 cm, 3-stemmed	1.1.10	7.7.10	(5)
ZE	107	ISBR3 CCS	Indian Springs Metropark	Further along the creek from ISBR	N 42 42' 19.2" W083 29' 38.7"	<i>Acer spp.</i> , 30 cm, 2-stemmed	1.1.10	1.7.10	2009

Distance
200 meters
in increasing
posterior
position.

ZE	108	ISBRS3 ccds C	Indian Springs Metropark	From ISBRS, cross a small creek on right side, and go straight towards the big creek on left side. From 107 walk into dry woods, then parallel big creek, watch for lge. trees.	N 42 42' 18.3" W083 29' 41.7"	Acer spp., 36.7 cm, 4-stemmed	Mort.	Densi	5 2010
ZF	109	ISWH GT ccds	Indian Springs Metropark	Park at Nature Center. Take Nature Trail, enter woods on left after a marsh and before reaching old stove landmark on trail. Transect on the left side of ISMATDRY	N 42 42' 08.5" W083 29' 46.5"	Acer saccharum, 6.9 cm	6.7.10 X	6.7.10 X	2008
ZF	110	ISWH2 ccds	Indian Springs Metropark	Go straight into the stand from ISWH	N 42 42' 09.1" W083 29' 44.5"	Quercus spp., 26 cm, 2-stemmed	7.7.10 X	7.7.10 X	2009
ZF	111	ISWH3 ccds	Indian Springs Metropark	Go straight into the stand from ISWH2	N 42 42' 09.7" W083 29' 42.9"	Acer spp., 33.8 cm	7.7.10 X	7.7.10 X	2010
ZG	112	KENNEW ccds	Kensington Metro Park	Uphill from KENUPHD. Go past KENUPHD3, plot is on the left side, NW from it.	N 42 32' 00.7" W083 40' 15.2"	Ulmus, 18.2 cm	6.29.10 X	6.29.10 X	2008
ZG	113	KENNEW2 ccds	Kensington Metro Park	Go past KENNEW towards the dirt road and fence in the back of the stand, more NW.	N 42 32' 02.2" W083 40' 17.6"	Quercus spp., 50.9 cm	6.29.10 X	6.29.10 X	2009
ZG	114	KENNEW3 ccds CVX	Kensington Metro Park	Go past KENNEW towards the dirt road and fence in the back of the stand, more NW.	N 42 32' 03.8" W083 40' 17.3"	Walnut, 81 cm	6.29.10 X	6.29.10 X	2010

2008 Non Ash Plots

ZH	115	HLNAC ccds	Highland Recreation Area	Go past HLRIP and turn right onto trail across from HLUP on the left. Plot is straight up the hill.	N 42 38' 50.4" W083 33' 23.6"	Acer rubrum, 40.5 cm. Quercus alba 41.0	6.16.10 ✓	6.16.10 X	2009
ZH	116	HLNAC2 ccds	Highland Recreation Area	East of HLNAC.	N 42 38' 50.5" W083 33' 25.6"	Carya spp. 28.5 cm.	6.16.10 ✓	6.16.10 X	2009
ZH	117	HLNAC3 ccds	Highland Recreation Area	SE of HLNAC2.	N 42 38' 48.4" W083 33' 29.4"	Quercus spp. 55.3 alba 54.3	6.16.10 ✓	6.16.10 X	2009

plot 21 Mike 4.37 dist. L = 296
 L = 50 from ctr. to where we think your
 2nd flag = $3.69 + \frac{23}{299} <$ Sample was.

							Wort. Dens.	2009		
ZI	118	HLNAE ccds	Highland Recreation Area	East of HLUP plots on hillside facing lake. no ash	N 42 38' 53.4" W083 33' 09.4"	Carya spp. 16.0	6-17-10	6-17-10	X	(2)
ZI	119	HLNAE2 ccds	Highland Recreation Area	SE of HLNAE. no ash	N 42 38' 51.4" W083 33' 10.3"	Fagus grandifolia, 37.9 + 74	6-16-10	6-16-10	X	(1)
ZI	120	HLNAE3 ccds	Highland Recreation Area	Slightly north of HLNAE2. no ash	N 42 38' 53.3" W083 33' 10.6"	Acer rubrum, 40.8 cm.	6-17-10	6-17-10	X	(3)
ZJ	121	PONNAE ccds	Pontiac Recreation Area	NE on north side of trail of PONRT2.	N42 40' 47.8" W083 28' 48.1"	Quercus alba, 34.9 cm.	7-15-10	7-15-10	X	(2)
ZJ	122	PONNAE2 bees in NE base sass. 16.7 dbh cc ds	Pontiac Recreation Area	NW of PONNAE.	N42 40' 50.0" W083 28' 48.9"	Acer saccharum, 7.8 cm.	7-15-10	7-15-10	X	(2)
ZJ	123	PONNAE3 ccds	Pontiac Recreation Area	Slightly NE of PONNAE2	N42 40' 51.7" W083 28' 45.6"	Quercus velutina, 58.0 cm.	7-15-10	7-15-10	X	(2)
ZK	124	PLNA ds-cs	Proud Lake Rec. Area	Continue west on trail from PLCONF. As trail turns north plot in NW corner.	N 42 34' 29.5" W083 32' 00.7"	Acer saccharum, 42.6 cm.	7-29-10	7-29-10	X	(2)
ZK	125	PLNA2 ds-cs	Proud Lake Rec. Area	Contine west from PLNA. no ash	N42 34' 28.1" W083 31' 56.9"	Acer saccharum, 10.0 cm.	7-29-10	7-29-10	X	(2)
ZK	126	PLNA3 ds-cs	Proud Lake Rec. Area	Slightly east of PLNA2. no ash	N42 34' 28.1" W083 31' 55.1"	Acer saccharum, 47.9 cm.	7-29-10	7-29-10	X	(2)
ZL	127	KENNA ✓ ds-cs	Kensington Metro Park	On left side of trail behind (NW) of KENDRY. no ash	N42 32' 05.0" W083 40' 08.2"	Quercus velutina, 41.5	7-1-10	7-1-10	X	(1)
ZL	128	KENNA2 ✓ ds-cs	Kensington Metro Park	Slightly NE of KENNA.	N42 32' 07.5" W083 40' 05.1"	Carya spp., 17.6 cm.	7-1-10	7-1-10	X	(1)
ZL	129	KENNA3 ✓ ds-cs	Kensington Metro Park	NE of KENNA2 no ash	N42 32' 09.7" W083 40' 04.9"	Quercus alba, 33.6 cm.	7-1-10	7-1-10	X	(1)
Black-Annie's descriptions										
Red-Dan's changes										

Blue-2006 changes, Kamal's new plots						
Green-2008 changes						
Orange 2008 Non-ash plots Sept.						
2008 Changes						

6 Thurs
 11 Wed.
6 Tues
 23