

Measure / map / core DBH location

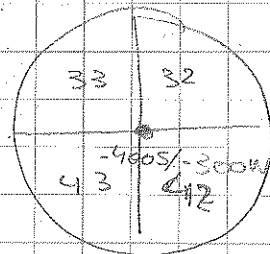
Monday, May 6th 2003

42,530.65 N, 72,183.16 W

1st 8.4m
249m elev.

Plot 1 - 400S/-300W

Lyford Plot

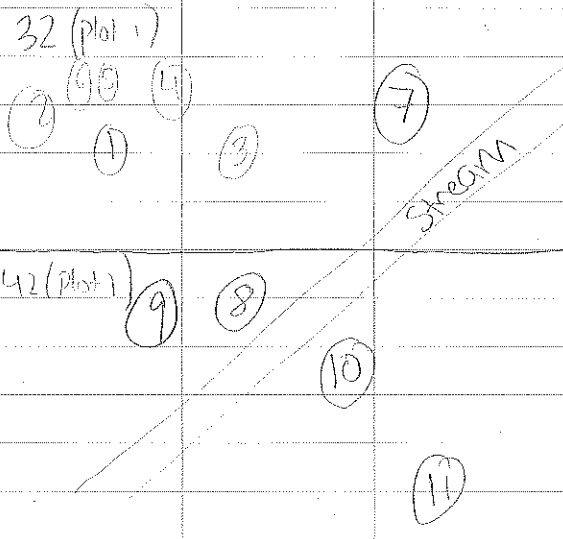


#	Species	Canopy	live/dead	DBH	Dist m	Altimuth	Plot	
123	1	TSCA	suppressed	live	18.1	7.6	20°	32
123	2	QURU	super dominant	live	66.0	7.2	36°	32 X
123	3	ACRU	suppressed	live	22.3	7.5	52°	32
123	4	ACRU	intermediate	live	30.4	10.6	48°	32 X
12	5	ACRU	suppressed	live	15.6	9.7	44°	32 X
	6	ACRU	suppressed	dead	12.0	9.7	44°	32
1	7	BIAL	intermediate	alive	22.1	11.9	78°	32
1234	8	TSCA	suppressed	alive	14.6	6.1	96°	42 X
123	9	FAGR	dominant	alive	33.9	3.3	112°	42 X
123	10	ACRU	dominant	alive	29.4	8.4	136°	42
123	11	ACRU	suppressed	alive	20.6	12.8	142°	42 X
123	12	QURU	dominant	alive	59.0	7.8	210°	42
123	13	QURU	intermediate	alive	43.0	4.3	190°	43
12	14	see comments	suppressed	dead	23.6	8.4	226°	43
12	15	QURU	intermediate	alive	49.4	12.4	234°	43 X
123	16	QURU	co-dominant	alive	41.9	12.0	218°	43 X
1234	17	FAGR	suppressed	alive	10.3	3.2	266°	43
12	18	ACRU	co-dominant	alive	26.0	3.4	346°	33
12	19	TSCA	suppressed	alive	10.4	6.4	294°	33 X
1234	20	QURU	super dominant	alive	69.0	9.5	276°	33 X
1234	21	BIAL	suppressed	alive	20.1	11.1	302°	33

Tussock May 7th 2003

Comments

- plot 1 tree 3 between suppressed & intermediat
- plot 1 tree 4 between intermediate & canopy - hollow
- plot 1 tree 6 dead & hollow
- plot 1 tree 7 wounds & cankers leaning towards suppressed, dying
- plot 1 tree 8 core ≈ 60 cm from the ground
- plot 1 tree 11 - liter s broken 12-15 feet from top, snapped; hollow



- plot 1 tree 14 - broken 12-15 meters above ground, very decayed species not identified - either poplar or alder, only 2 cores
- plot 1 tree 18 - rotten, only two cores
- plot 1 tree 19 - only two cores
- plot 1 tree 20 - rotten

Understory

Plot 32	Species	DBH	Comments
	FAGR	7.6 cm	
	TSCA	6.9 cm	Ing
	TSCA	6.6 cm	Ing
	HAVI	5.9 cm	Ing
	FAGR	3.1 cm	
	FAGR	6.4 cm	
	FAGR	7.9 cm	} from same stem
	FAGR	8.6 cm	
	BEAL	9.8 cm	

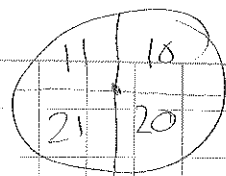
Plot 42	Species	DBH	Comments
	FAGR	4.3 cm	
	FAGR	4.6 cm	
	BEAL	6.2 cm	
	FAGR	6.5 cm	
	FAGR	3.5 cm	
	FAGR	7.0 cm	

Plot 43	Species	DBH	Comments
	FAGR	5.0 cm	
	BEAL	5.0 cm	
	HAVI	5.5 cm	Ing
	HAVI	6.2 cm	Ing
	HAVI	5.5 cm	Ing
	HAVI	4.9 cm	Ing
	CADE	6.4 cm	
	TSCA	9.2 cm	

Plot 23	Species	DBH	Comments
	FAGR	3.1 cm	
	HAVI	5.2 cm	Ing
	HAVI	6.3 cm	
	HAVI	6.3 cm	
	HAVI	6.7 cm	Ing
	HAVI	5.7 cm	Ing
	HAVI	5.6 cm	Ing
	TSCA	9.8 cm	

LF2 42.53128 N, 72.18271 W

± 7.3m, 342m elev.



-2005,
-100W

Plot 2

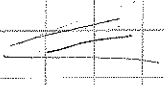
#	Species	Canopy	Age/Dead	DBH	Distance	Asym	Plot
1	ACRU	Intermediate	alive	19.4	8.4	48°	10 123
2	BEAL	Suppressed	alive	13.0	9.9	18°	10 X 123
3	ACRU	suppressed	dead	16.2	9.9	24°	10
4	ACRU	Intermediate	alive	21.6	12.1	50°	10 1234
5	BEAL	Suppressed	alive	11.0	12.1	54°	10 X 12
6	BEAL	Suppressed	alive	13.9	12.1	62°	10 X 1234
7	ACRU	Suppressed	dead	11.5	6.3	84°	10
8	QURU	Dominant	alive	53.8	3.8	110°	20 12
9	QURU	Intermediate	alive	31.2	4.3	112°	20 123
10	QURU	Dominant	alive	58.4	7.4	152°	20 123
11	QURU	Co-Dominant	alive	38.2	11.2	168°	20 123
12	ACRU	Suppressed	alive	12.2	7.3	182°	20 123
13	FAGR	suppressed	alive	13.1	9.4	178°	20 1234
14	ACRU	intermediate	alive	23.9	9.4	136°	20 123
15	BEAL	Suppressed	alive	13.7	8.0	186°	21 122
16	ACRU	suppressed	alive	15.7	8.1	206°	21 X 123
17	QURU	intermediate	alive	31.3	10.7	200°	21 X 123
18	ACRU	Suppressed	alive	16.3	12.1	238°	21 X 12
19	ACRU	Suppressed	alive	23.2	11.6	264°	21 123
20	QURU	dominant	alive	49.4	12.2	260°	21 X 123
21	QURU	intermediate	alive	36.1	11.7	268°	21 123
22	ACRU	intermediate	alive	21.2	4.6	316°	11 X 12
23	FAGR	Suppressed	alive	13.4	4.2	0°	11 12
24	ACRU	Suppressed	alive	15.2	7.5	350°	11
25	QURU	Co-dominant	alive	58.5	8.6	350°	11 X 123
26	QURU	Co-dominant	alive	50.9	8.4	332°	11 123
27	ACRU	Suppressed	dead	16.1	8.3	322°	11
28	ACRU	Intermediate	alive	22.2	11.8	300°	11 X
29	QURU	intermediate	alive	58.1	12.7	304°	11 123
30	ACRU	intermediate	alive	20.0	12.2	10°	11 X 123
31	ACRU	Suppressed	alive	10.8	12.3	242°	11 X 123

plot 2 comment
 plot 2 tree 3 - not cared, dead & rotten
 plot 2 tree 7 - hollow, break off at 1.5m
 plot 2 tree 8 - likely cared in 2003
 plot 2 tree 20 - rotten - south core is partial
 plot 2 tree 27 - dead / not cared

Deadwood

Transect #1 (Plot 0°)

Species	DBH	Decay	Distance	Length	Orientation	Comments
conifer	31 mm	class 3				
broadleaf	31 mm	class 2				
Oak	210 mm	class 4	6 meters from center	7m	perpendicular to transect	2 1/2 meters in Plot 10
Oak	32 mm	class 3				
broadleaf	66 mm	class 1				maybe maple?
broadleaf	31 mm	class 1				
Oak	64 mm	class 3				
Transect #2 (90°)						
maple	25 mm	class 1				
Oak	31 mm	class 1				
Oak	57 mm	class 2				
maple	83 mm	class 1				
maple	58 mm	class 4				
CADP	41 mm	class 1				
Transect #3 (110°)						
maple	120 mm	class 3		4m		
broadleaf	110 mm	class 5	perpend	2m	perpendicular	

Species	DBH	Decay	Distance	Length	Orientation
oak	180mm	class 3	-	8m	perpendicular
oak	55mm	class 2			
oak	270mm	class 5		5m	perpendicular
oak	27mm	class 2			
oak transect	4 (270°)				
maple	105mm	class 3			
oak	26mm	class 2			
unknown	159mm	class 5		4m	
oak	60mm	class 4			
oak	37mm	class 4			
oak	33mm	class 3			

Understory

plot 10 (1)

Species	DBH	Comments
CADE	2.5	
CADE	8.4	
CADE	3.5	
PIST	5.0	
ACRU	5.8	DEAD
CADE	5.1	

plot 20

CADE	2.5
CADE	7.2
BEAL	5.5
PIST	3.7
BEAL	7
ACRU	2.9
CADE	7.8
CADE	3
CADE	3.7
ACRU	7
ACRU	5.5
PAGR	4.3
BEAL	7.2
PIST	11.3

ing
Plot 21

nothing

Plot 3

4th rd Plot 3 LP3

42.53008N, 72.18246W
± 5.5m, 348m elev.

#	Species	Canopy	live/dead	DBH	Distance	Asym ⁵⁰	Plot
1	QURU	dominant	alive	37.9	10.0m	356°	S1
2	QURU *	intermediate	alive	19.8	11.2	16°	S112
3	FAGR?	suppressed	alive	20.9	7.4m	22°	S1123
4	QURU	co-dominant	alive	32.9	0.6m	58°	S1 X3
5	QURU	intermediate	alive	19.0	6.6m	70°	S112
6	QURU	dominant	alive	61.0	11.1m	70°	S1123
7	HAVI	suppressed	alive	10.2	9.1m	88°	S1 X3
8	QURU	intermediate	alive	24.5	12.4m	40°	S112
9	ACRU	dominant	alive	35.5	8.3m	180°	61123
10	FAGR	dominant	dead	46.3	9.7m	156°	6112 X3
11	ACRU	intermediate	alive	35.7	11.2m	124°	6112
12	PIST	suppressed	alive	25.6	12.2m	102°	61122
13	ACRU	suppressed	alive	15.8	8.5m	94°	61123
14	QURU	co-dominant	alive	35.8	1.7m	250°	60 X12
15	BEAL	suppressed	alive	10.8	2.6m	212°	60123
16	ACRU	suppressed	dead	13.3	4.3m	218°	60 X12
17	ACRU	dominant	alive	50.0	10.9m	186°	60 X123
18	QURU	intermediate	dead	22.2	7.3m	252°	601
19	QURU	dominant	alive	39.6	11.3m	268°	60123
20	BEAL	suppressed	alive	10.4	10.8m	236°	60 X123
21	QURU	dominant	alive	58.9	12.8m	310°	S01234
22	QURU	intermediate	alive	24.8	10.7m	298°	S0123
23	QURU	intermediate	alive	22.3	8.2m	318°	S01
24	ACRU	suppressed	alive	17.5	10.0m	318°	S0123
25	ACRU	suppressed	alive	15.4	9.8m	280°	S012
26	QURU	suppressed	alive	18.8	12.0m	272°	S0123
27	QURU	co-dominant	alive	36.1	12.2m	358°	S0123

~~38 X 18~~

HF GAS 0522

Plot 3 comments

plot 3 tree 1 - two stems, only one visible

plot 3 tree 4 - large knot west facing

general - Stone wall on edge of Plot 51

Plot 3 tree 9 - crown broken, dead branches possible release

plot 3 tree 10 - dead but took 3 cores, when mixed appeared not dead for long

plot 3 tree 11 - alive but entirely rotten, only two cores

plot 3 tree 9 - rotten in 2 directions

Plot 3 tree 16 - only two cores, tree is dead & rotten

plot 3 tree 18 - only two cores, tree is dead & rotten

plot 3 tree 25 - tree is rotten, west & east are missing center, north core is rotten as well

plot 3 tree 27 - rotten

pit 2 round & irregular

Deadwood

Transect 1 (0°)						
Species	DBH	Decay class	Distance	Length	Orientation	Comments
Oak	129	class 1		10m		
Oak	34	class 2				
Oak	27	class 2				
BEAL	26	class 2				
Transect 2 (90°)						
Oak	123	class 3	4 meters from plot center	9m	perpendicular	
Oak	124	class 3				
Oak	92	class 3				
Oak	152	class 3		4m	angled out of plot	
Transect 3 (180°)						
Oak	58	class 2				
Oak	74	class 3				
Transect 4 (270°)						
Oak	115	class 3		7m		
Oak	200	class 3		13m		
Oak	55	class 3				
Maple	100	class 2		12m		
Oak	174	class 3		17m		
Oak	110	class 3		9.5		perpendicular

Canopy

Plot 51 (1)		
Species	DBH	Comments
CADE	6.8	
PIST	3.2	barely alive
BEAL	9.5	
CADE	4.0	
FAGR	3.2	
FAGR	6.8	ing ing }
EAGR	6.0	
FAGR	9.3	
FAGR	6.3	
Plot 60 (3)		
FAGR	7.4	
BEAL	4.2	
HAM	4.7	

Plot 50 (4)		
Species	DBH	Comments
CADE	7.5	
FAGR	7.4	

Plot 61 (2)

LF1: 20m extension

Lyford, Harvard Forest MA

11/3/14

#	Sp	Canopy	LI/Dead	DBH	Dist	Az.	Notes
22	QURU	Dom	L	67.5	13.3	10°	W-E
23	ALST	Supp	L	26.9	19.8	16°	W-E
24	TSCA	Supp	L	23.4	18.3	31°	W-E
25	BEAL	Co	L	34.0	20.0	39°	E, W Not
26	TSCA	Supp	L	23.7	13.3	45°	E-W
27	TSCA	Supp	L	20.1	17.4	77°	E-W
EW 28	TSCA	Int	L	21.4	13.3	85°	Large dead Bird nest
EW 29	BEAL	Co	L	26.5	16.4	98°	Small
NE 30	QURU	Co	L	44.6	18.1	131°	
31	QURU	Supp	L	28.6	16.3	138°	
32	QURU	Dom	L	63.2	12.3	148°	
33	QURU	Co	L	50.6	19.7	143°	
34	BEAL	Supp	L	27.4	19.7	164°	
35	ACRU	Supp	L	28.1	12.8	201°	
36	QURU	Co	L	27.5	18.6	199°	
37	QURU	Co	L	29.5	15.0	222°	
38	FAGR	Supp	L	22.8	14.8	261°	Antennae
39	ACRU	Supp	L	21.7	10.6	274°	
40	QURU	Co	L	52.9	17.2	275°	
41	QURU	Co	L	42.7	15.4	282°	
42	QURU	Co	L	53.4	17.8	296°	
43	ACRU	Supp	L	21.0	13.4	315°	
44							

LF2: 20m extension

EW 32	ACRU	Supp	L	24.5	18.3	28°	
EW 33	QURU	Co	L	42.8	20.0	48°	
34	QURU	Co	L	55.9	14.1	39°	Rope on side falling out
35	BEAL	Supp	L	28.8	17.0	52°	
36	QURU	Dom	L	76.5	19.2	86°	
37	ACRU	Int	L	25.2	20.0	102°	
38	QURU	Co	L	53.1	18.1	181°	
39	QURU	Co	L	43.4	13.6	196°	
40	ACRU	Supp	L	23.6	18.4	198°	
41	QUVE	Co	L	46.3	16.0	208°	
42	QURU	Co	L	50.5	12.9	213°	
43	ACRU	Int	L	25.7	18.5	234°	Tap-up all sides
44	ACRU	Co	L	23.9	17.1	248°	

#	Sp	Canopy	L/Dead	DBH	Dist.	Az.	Notes
45	ACRU	Supp	SN	25.7	17.5	266°	4m tall
46	QUVU	Co	LI	39.8	15.5	294°	
47	QUVU	Int	LI	33.5	18.7	306°	
48	ACRU	Int	LI	29.4	18.2	320°	
49	QUVU	Co	LI	44.6	18.2	339°	
50	QUVU	Co	LI	49.6	17.2	349°	

LF3: 20m extension

28	QUVU	Supp	LI	26.0	13.7	20°	
29	QUVU	Co	LI	36.1	15.8	28°	
30	QUVU	Int?	SN	27.7	17.4	60°	near stone wall
31	QUVU	Dom	LI	51.0	15.5	56°	
32	QUVU	Co	LI	48.8	18.9	83°	
33	QUVU	Co	LI	34.4	15.1	92°	
34	QUVU	Co	LI	35.1	19.2	21°	
35	ACRU	Int	LI	27.7	19.8	28°	
36	ACRU	Co	LI	29.6	16.0	46°	
37	QUVU	Co	LI	46.5	17.9	71°	
38	QUVU	Co	LI	46.7	17.7	74°	
39	QUVU	Co	LI	36.8	15.5	72°	
40	QUVU	Co	LI	41.9	17.2	197°	
41	QUVU	Co	LI	25.4	14.8	220°	
42	QUVU	Int	LI	32.0	14.0	227°	
43	QUVU	Co	LI	54.8	15.4	246°	
44	QUVU	Int	LI	27.7	18.4	282°	
45	QUVU	Dom	LI	42.2	16.2	298°	
46	ACRU	Supp	LI	22.7	15.4	310°	
47	QUVE?	Co	LI	31.3	20.0	315°	
48	QUVE?	Int	LI	24.5	13.4	321°	
49	ACRU	Supp	LI	21.1	17.1	332°	
50	QUVU	Co	LI	33.7	19.6	359°	
51	QUVU	Co	LI	46.4	18.9	255°	
52	QUVU	Supp	SN	20.1	16.2	5°	
53	QUVU	Supp	LI	25.9	16.0	358°	
54	TAGR	Int	LI	23.6	17.0	354°	

LF1	-400s, -300W		DBH	Distance		Azimuth		Co. Hrs. In. Supp	Lo. Fr. St	Status	Notes
	\$	Spd.		Decay	Base	Top	Base				
44	ACRU	1	25.8	3.5	6.7	322	160	CO	LO	Core Rotten	
45	conn?	3	42.1	17	4.8	350	290	CO	LO		
46	-	5	37.2	9.6	-	262	-	-	SH		
47	-	5	53.7	7.9	-	264	-	-	SH		
48	ACRU	2	10.6	9.9	11.2	40	22	SUPP	LO	Rotten	
49	-	5	45.2	19.1	-	57	-	-	SH		
50	-	5	33.5	14.3	-	62	-	-	SH		
51	-	5	58.5	3.9	-	97	-	-	SH		
52	QURU	1	23.7	2.5	13.7	242	282	CO	LO	Core Rotten	
53	-	4	53.9	14.4	-	282	-	-	ST		
54	-	5	43.2	10.7	-	244	-	-	SH		
55	-	5	51.7	15.9	-	244	-	-	SH		
56	QURU	5	34	14.1	-	184	-	-	SH		
57	QURU	3	14.6	6.1	8.2	258	172	SUPP	LO	Core rotten	
58	-	5	34.3	15.6	-	147	-	-	SH		
59	-	5	23.5	18.8	-	150	-	-	SH		
60	-	5	34.6	16.3	-	126	-	-	SH		
61	BEAL	2	17.3	14.9	17.4	95	106	CO	LO	BEAL or dead	
62	-	5	42.6	15.1	-	84	-	-	SH		
63	-	5	33.3	17.6	-	100	-	-	SH		
64	-	5	52.8	4.3	-	100	-	-	SH		

LF2 -200s, -100W

51	-	5	16.2	1.9	-	324	-	-	ST	
52	QURU	4	24.7	6.5	14.4	326	326	CO	LO	Core rotten
53	ACRU	3	13.5	8.8	10	330	322	CO	LO	No Core
54	QURU	3	20	19.2	-	324	-	CO	SN	No core Tube on 17
55	ACRU	2	13.5	10.2	9.7	34	6	SUPP	LO	No core
56	QURU	4	20.8	14.2	16.1	70	90	CO	LO	
57	conn	5	33.7	8.2	6	104	124	CO	LO	Top too decayed to see
58	ACRU	4	10.2	6.3	-	310	-	SUPP	SN	
59	ACRU	1	10	11.3	16.2	316	292	SUP	LO	core rotten
60	-	5	46.1	14.1	-	324	-	-	SH	
61	-	5	48.3	8.5	-	253	-	-	SH	
62	ACRU	3	31.3	2.0	32.1	250	225	CO	LO	N-S
63	QURU	3	28.8	17.9	22.8	279	256	CO	SN	w/ log
64	QURU	5	17.7	4.2	7.8	178	192	SUPP	LO	

LF1: 44
LF2: 51LF3: 55
IF1: 46

IF2: 87

Rotten in the Rain

LF2: -200s, -100W
LF3: -600s, 0W

LF2 cont.

K-class

#	SPP	Decay	DBH	Distance		Azimuth		CAMP	STATUS	NOTES
				B	T	B	T			
65	Unknown	5	20	70.5	10.9	190	220	CO	LO	
66	-	5	40.2	17	-	204	-	-	SH	
67	QU RU	3	34.9	18.5	18.2	150	184	CO	LO	W
68	-	5	27.7	16.2	-	142	-	-	SH	
69	-	5	42.7	10.9	-	158	-	-	SH	
70	-	5	52.5	8.8	-	150	-	-	SH	
71	-	5	48.7	1.8	-	156	-	-	SH	
LF3 - 600 S, 0 W										
55	QURU	3	13	1.3	9.2	350	268	SP	LO	
56	QURU	3	21	5.6	18.6	292	242	CO	LO	
57	QURU	3	22.7	10.2	-	276	-	CO	SN	
58	QURU	3	21.6	8.7	12.5	220	302	CO	LO	E-W
59	QURU	3	13.6	8.6	7.8	269	230	supp	LO	
60	QURU	4	13.4	10.3	15.5	254	232	supp	LO	
61	QURU	4	19.3	3	11.6	312	352	supp	LO	E-W
62	-	5	53.6	19.3	-	300	-	-	SH	
63	-	5	56.8	18.3	-	302	-	-	SH	
64	QU RU	4	17	12.2	27.3	287	302	SUPP	LO	
65	-	5	38.1	19.8	-	290	-	-	ST	
66	-	5	52.4	16.4	-	256	-	-	SH	
67	-	5	47	13.3	-	220	-	-	SH	
68	QU RU	3	14.4	4.8	9.6	358	158	CO DOM	LO	
69	QU RU	3	15.2	7.5	18.1	151	92	supp	LO	
70	ACRU	2	12.1	6.8	8.2	96	140	supp	LO	
71	QURU	3	11.9	5.7	10.6	20	156	CO DOM	LO	
72	QURU	3	16.2	8.6	-	347	-	supp	SN	E-W
73	-	5	39.4	17.8	-	348	-	-	ST	
74	-	5	39.8	18.9	-	342	-	-	SH	
75	-	5	48.9	17.1	-	18	-	-	SH	
76	-	5	45.3	16.2	-	346	-	-	SH	
77	-	5	39.6	14.3	-	44	-	-	SH	
78	-	5	53	12.9	-	62	-	-	SH	
79	-	5	27.6	18.2	-	78	-	-	ST	
80	QU RU	3	20.5	18.3	14.7	78	122	CO DOM	LO	
81	-	5	46	19.8	-	120	-	-	SH	
82	-	5	49.8	19.8	-	118	-	-	SH	

#	Species	K-C	DBH	Dist.		AZ		CAN	ST	NOTE
				B	T	B	T			
83	—	S	38.3	—	16.6	—	160	—	—	ST
84	—	S	56.2	—	13.4	—	150	—	—	SH
85	—	S	55.2	—	10.2	—	74	—	—	SH
86	—	S	19.7	—	2.3	—	60	—	—	ST
TP1 ← up hill — red PVC										
76	—	S	60.7	—	5.8	3.9	328	12	DOM	LO
77	—	S	44.9	—	12.1	—	338	—	—	ST
78	—	S	26.7	—	12	—	340	—	—	ST
79	—	S	39.8	—	16	—	2	—	—	SH
80	—	S	26.8	—	15.1	—	2	—	—	SH
81	QURU	4	21.2	—	19.1	17	329	353	CO DOM	LO
82	AcRU	2	18.5	—	8.2	—	305	—	—	SN #151452
82	—	S	29.9	—	3.4	—	184	—	—	SH
83	comm TSCA	2	10.6	—	7.6	—	206	—	SUPP	SN #151495
84	QURU	3	24.6	—	8.3	—	206	—	CO DOM	SN #151496
84	—	S	52.3	—	16.3	—	208	—	—	SH
85	—	S	20.5	—	15.8	22.2	230	222	CO	LO
88	—	S	45.1	—	17.1	—	243	—	—	SH
87	—	S	36.1	—	17.3	—	223	—	—	SH
88	—	S	10.1	—	8.3	—	280	—	—	SH
91	AcRU	3	13.6	—	3.6	3.8	341	64	SUPP	LO #151438
92	AcRU QURU	1	3.2	—	8.5	—	162	—	CO	SN #161729
89	comm TSCA	4	13.8	—	7.1	4	124	119	SUPP	LO #161733
90	BeLe	2	12.1	—	11.4	10.4	69	44	SUPP	LO
91	QURU	3	24.5	—	17.1	23.1	168	100	CO DOM	LO
TP2 NP-HF-TP2										
87	QURU	3	11.1	—	0.7	7.5	167	136	SUPP	LO
88	AcRU	3	13.2	—	10.3	7.8	150	70	SUPP	LO
89	AcRU	2	15.3	—	10.9	14.8	122	110	SUPP	LO #171284
90	—	S	14.7	—	7.6	6.6	90	56	SUPP	LO
91	—	S	36.1	—	16.3	—	141	—	—	SH
92	—	S	20.5	—	15.6	11.8	125	130	—	LO
93	—	S	16.9	—	12.2	—	130	—	—	SH
94	—	S	23.1	—	17	—	130	—	—	SH