SUMMARIZING SELECT TREE RECORDS AND STATUS INFORMATION:

A PROGRESS REPORT

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Last year at the twenty-third NEFTIC, I presented a paper that described a system for summarizing select tree records and status information (Miller 1976). Because several people attending the meeting expressed an interest in the system, Clyde Hunt, Northeastern Area State and Private Forestry, USDA, Forest Service, and I canvassed 28 potential cooperators throughout the twenty state area extending from Maine to Minnesota, south to Missouri, and east to Maryland. The response was encouraging, so a decision was made to develop a Select Tree Register and Status Report for those who expressed an interest in the system.

Instructions and codes were developed to make the job of recording select tree data as simple as possible, and the computer programs were modified by changing several column headings. A sample coding sheet showing the format and actual data is shown in Figure 1. The resulting Register and Status Report is shown in Figures 2 and 3.

The instructions, codes, and coding sheets were sent to the 28 potential cooperators; completed coding sheets were received from six cooperators. The data was keypunched as submitted and then run through the computer. Each participant received a copy of the Register and Status Report showing the select tree data submitted by the six cooperators and the Forest Service, Region 9. The Agency and Forest Service Registers include 671 and 3,396 selections respectively. Selections are located in twenty-five states and three Canadian Provinces. The number of selections included in the Register is shown by species in Table 1.

The Register and Status Report will be updated during the first half of 1977. This will provide an opportunity for the present cooperators to update their existing data and to add new select tree information to the system. New participants will also be welcome to include their select tree data in the system at this time. We are pleased with the initial response and encourage you to participate in the future.

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Table 1. -- Number of selections by species

Conifers		Hardwoods	
Species	Number of Selections	Species	Number of Selections
White spruce	350	Black cherry	201
Black spruce	152	Yellow poplar	143
Red spruce	12	Black walnut	612
E. White pine	914	Yellow birch	236
Red pine	86	Paper birch	108
Jack pine	468	White ash	26
Shortleaf pine	65	Green ash	13
Scotch pine	14	Sugar maple	106
Balsam fir	176	Red maple	26
Himalayan white pine	14	Silver maple	12
Misc, five needle pines	13	Basswood	65
Misc, conifers	3	Red oak	75
	2,267	White oak	29
		Black oak	17
		Scarlet oak	15
		Populus spp.	116
			1,800

Total selections = 4,067 (3,396, R-9, F.S. - USDA; 671 Agencies)

LITERATURE CITED

Miller, R. G., 1976. A system for summarizing superior tree records and status information. In: Twenty-third Northeastern Forest Tree Improvement Conference Proceedings, pp. 143-149.

U.S. DEPARTMENT OF AGRICULTURE
FORTRAN CODING

PROGRAMMER: Kathy Hale/Dave Canavera

PROGRAM: Select Tree Register

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DATE 5/19/76

BLOCK PUNCH

Fields: 1 Accession Number; 2 STATE[a]; 3 AGENCY[a]; 4 COUNTY[b]; 5 RANGE DIST; 6 TREE NO[a]; 7 SPECIES[a]; 8 AGE AT DBH; 9 TOTAL HT; 10 HT TO 8" TOP; 11 DBH; 12 STEM VOL; 13 APICAL DOM; 14 % SUP. HT; 15 % SUP. HT TO 8" TOP; 16 % SUP. STEM VOL; 17 % SUP. APIC DOM; 18 SEL. OBJ. PRI / SEC; 19 LONGITUDE DEG; 20 LATITUDE DEG MIN; 21 STAND; 22 ORIGINATOR[a]; 23 SEED CROP/SEX; 24 ELEVATION; 25 DATE; 26 STATUS[a]; 27 CONTROL[a]

6 12 5	23	2	10	25	1	09	4	02	9	07	0	1	4	50	32	0	4	01	2	99	4	07	5	00	76	7	19	9	99	1
6 12 6	23	2	10	25	2	09	4	02	4	05	4	1	2	40	19	0	4	01	2	99	4	08	5	00	76	7	52	9	99	1
6 12 7	23	2	10	25	3	09	4	02	5	05	6	1	2	60	20	0	4	01	2	99	4	08	0	00	76	7	12	9	99	1
6 12 8	33	2	10	09	4	09	4	03	3	06	9	1	3	00	27	0	4	01	2	56	2	05	5	00	86	7	12	9	99	1
6 12 9	33	2	10	09	5	09	4	03	2	06	4	1	3	80	27	0	4	01	2	56	2			0	86	7	12	9	99	1
6 13 0	33	2	10	09	6	09	4	03	2	06	7	1	2	00	23	0	4	01	2	56	1	12	5	00	86	7	12	9	99	1
6 13 1	33	2	10	09	7	09	4	03	2	06	2	1	1	90	20	0	4	01	2	56				0	86	7	12	9	99	1
6 13 2	33	2	10	09	8	09	4	03	3	06	7	1	2	80	27	0	4	01	2	56				0	86	7	12	9	99	1

Figure 1.--Coding sheet showing format and actual data.

[a] These items must be completed.

[b] Agency code 21 = University of Maine.

FORM AD-635 (5-74)

SELECT TREE REGISTER BY AGENCY, SPECIES, AND ACCESSION NUMBER

ACCESS NO.	R E C	ST= CTY= AGENCY= DIST=	AGENCY TREE NO.	A G E	HEIGHT TOT=FT (FEET)	D H	SIB VOL (CU FT)	SEC 1 & SUPERIORITY 1 HEIGHT TOT=FT (3)	CF VOL	ARC DOM	SELECT OBJECTV PRI=SEC	LONGI TUDE DEG	LATI TUDE DEG=MIN	TYPE ST AND	ORIG IN ATION	SEED CROP SEX	ELEVA TION (FT)	DATE MO/YR
6125	94	23- 25-21-0	1	29	70	0	14.5	32	0	0	0	0	0	4 1	.00	0	0	2	99	4	750	7/67
6126	94	23- 25-21-0	2	24	54	0	12.4	19	0	0	0	0	0	4 1	.00	0	0	2	99	4	850	7/67
6127	94	23- 25-21-0	3	25	58	0	12.6	20	0	0	0	0	0	4 1	.00	0	0	2	99	4	800	7/67
6128	94	33- 9-21-0	4	33	69	0	15.0	27	0	0	0	0	0	4 1	.00	0	0	2	56	2	550	8/67
6129	94	33- 9-21-0	5	32	64	0	13.8	27	0	0	0	0	0	4 1	.00	0	0	2	56	2	0	8/67
6130	94	33- 9-21-0	6	32	67	0	12.0	23	0	0	0	0	0	4 1	.00	0	0	2	56	1	1250	8/67
6131	94	33- 9-21-0	7	32	62	0	11.9	20	0	0	0	0	0	4 1	.00	0	0	2	56	0	0	8/67
6132	94	33- 9-21-0	8	33	67	0	12.8	27	0	0	0	0	0	4 1	.00	0	0	2	56	0	0	8/67
6133	94	33- 9-21-0	9	35	67	0	12.1	23	0	0	0	0	0	4 1	.00	0	0	2	56	0	0	8/67
6134	94	23- 19-21-0	10	33	61	0	10.5	17	0	0	0	0	0	4 1	.00	0	0	2	21	4	100	9/67
6135	94	23- 19-21-0	11	33	56	0	11.5	20	0	0	0	0	0	4 1	.00	0	0	2	21	4	100	9/67
6136	94	23- 19-21-0	15	80	84	1	22.0	49	0	0	0	0	0	4 1	.00	0	0	1	99	4	600	11/67
6137	94	23- 19-21-0	16	68	82	0	16.4	47	0	0	0	0	0	4 1	.00	0	0	1	99	4	600	11/67
6138	94	23- 19-21-0	17	80	85	1	14.9	31	0	0	0	0	0	4 1	.00	0	0	1	99	4	250	1/68
6139	94	23- 0-21-0	18	47	59	1	11.3	17	0	0	0	0	0	4 1	.00	0	0	1	99	4	0	0/ 0
6140	94	23- 0-21-0	19	75	87	1	21.4	91	0	0	0	0	0	4 1	.00	0	0	1	99	4	0	0/ 0
6141	94	23- 0-21-0	20	45	52	1	15.0	20	0	0	0	0	0	4 1	.00	0	0	1	99	4	0	0/ 0
6142	94	23- 0-21-0	22	85	82	0	16.9	40	0	0	0	0	0	4 1	.00	0	0	1	99	4	0	0/ 0
6143	94	23- 17-21-0	24	78	94	0	20.1	85	0	0	0	0	0	4 1	.00	0	0	1	99	4	650	4/68
6144	94	23- 17-21-0	25	58	56	0	11.1	17	0	0	0	0	0	4 1	.00	0	0	2	99	4	650	2/68
6145	94	23- 19-21-0	27	56	69	1	16.6	49	1	0	0	0	0	4 1	.00	0	0	1	99	4	600	7/68
6146	94	23- 25-21-0	35	25	52	0	8.4	7	0	0	1	0	0	4 1	.00	0	0	2	99	4	350	10/68
6147	94	23- 25-21-0	36	51	72	0	12.1	23	0	0	0	0	0	4 1	.00	0	0	2	99	4	600	11/68
6148	94	23- 25-21-0	37	48	72	1	15.5	41	1	0	0	0	0	4 1	.00	0	0	1	99	4	1150	7/66
6149	94	23- 25-21-0	38	50	51	0	13.2	20	0	0	0	0	0	4 1	.00	0	0	2	99	4	500	8/66

Figure 2.--Sample page from select tree register showing data from Figure 1.

SELECT TREE STATUS REPORT - JUN 29, 1976

ACC NO	SPEC	ST-CTY-AGEN-DIST-	TREE NO	TREE AL IVE	VEGETATIV PROPAGAT, GRAFT CUT	SEED ORCHARD CLO NAL	1/2 SIB	FULL SIB	HRED ARB	RES- ERVE	SEED 1/2 SIB	STON FULL SIB	EVAL 1/2 SIB	PLAN FULL SIB	ALIAS NO.
6125	94	23- 25-21-0	1	YES											
6126	94	23- 25-21-0	2	NO			x								
6127	94	23- 25-21-0	3	YES			x								
6128	94	33- 9-21-0	4	YES			x								
6129	94	33- 9-21-0	5	YES			x								
6130	94	33- 9-21-0	6	YES			x								
6131	94	33- 9-21-0	7	YES			x								
6132	94	33- 9-21-0	8	YES			x								
6133	94	33- 9-21-0	9	YES			x								
6134	94	23- 19-21-0	10	YES			x								
6135	94	23- 19-21-0	11	YES			x								
6136	94	23- 19-21-0	15	NO											
6137	94	23- 19-21-0	16	YES							x				
6138	94	23- 19-21-0	17	YES							xx				
6139	94	23- 0-21-0	18	NO			x								
6140	94	23- 0-21-0	19	NO			x								
6141	94	23- 0-21-0	20	YES			x								
6142	94	23- 0-21-0	22	YES											
6143	94	23- 17-21-0	24	NO			x								
6144	94	23- 17-21-0	25	YES			x				xx				
6145	94	23- 19-21-0	27	YES			x								
6146	94	23- 25-21-0	35	YES			x								
6147	94	23- 25-21-0	36	NO			x								
6148	94	23- 25-21-0	39	YES			x				xx				
6149	94	23- 25-21-0	43	YES			x								
6150	94	23- 3-21-0	45	NO			x								
6151	94	23- 25-21-0	64	YES											
6152	94	23- 7-21-0	66	YES			x								
6153	94	23- 19-21-0	68	YES							x				
6154	94	23- 29-21-0	73	NO											
6155	94	23- 25-21-0	80	NO							x				
6156	94	23- 25-21-0	81	NO			x								
6157	94	23- 25-21-0	82	NO			x								
6158	94	23- 25-21-0	83	YES											
6159	94	23- 25-21-0	84	YES											
6160	94	23- 25-21-0	85	NO			x								
6161	94	23- 25-21-0	86	YES											
6162	94	23- 3-21-0	87	YES			x								
6163	94	23- 3-21-0	90	YES			x								
6164	94	23- 3-21-0	92	YES			x								
6165	94	23- 3-21-0	94	YES											
6166	94	23- 3-21-0	97	YES											
6167	94	23- 3-21-0	107	YES			x								
6168	94	23- 3-21-0	110	YES											
6169	94	23- 3-21-0	112	YES			x								
6170	94	23- 3-21-0	123	YES							xx				
6171	94	23- 3-21-0	125	YES			x				xx				
6172	94	23- 25-21-0	130	YES			x				xx				

Figure 3.--Sample page from select tree status report showing data from Figure 1.