TECHNICAL NOTES

U.S. DEPARTMENT OF AGRICULTURE Portland, Oregon SOIL CONSERVATION SERVICE

Forestry No. 16, Revised January 1987

APPROPRIATE SITE INDEX CURVES TO USE FOR DEVELOPING FOREST SITE AND YIELD DATA IN OREGON BY MLRA

SPECIES	MLRA	CURVE NUMBER	BASE AGE
Abies concolor (white fir) & Abies grandis (grand fir)	1,2,3,5	030	50
Abies concolor (white fir) & Abies grandis (grand fir)	6,21,43	035	50
Abies lasiocarpa (subalpine fir)	3,43	040	100
Abies magnifica var. shastinisis (shasta red fir)	3,5	050	50
Abies procera (noble fir)	1,3,5	060	100
Alnus rubra (red alder)	1,2,3	100	50
Juniperus occidentalis (western juniper)	6,10,21,23,43	210	50
Larix occidentalis (western larch)	6,43	265	50
Picea engelmannii (Engelmann spruce)	6,43	410	100
Picea sitchensis (Sitka spruce)	1	490	100
Pinus contorta (lodgepole pine)	6,43	520	100
Pinus contorta var. contorta (shore pine)	1	520	100
Pinus jeffreyi (Jeffrey pine)	5	600	100
Pinus lambertiana (sugar pine)	5	615	50
Pinus monticola (western white pine)	3,5,6,43	570	50
Pinus ponderosa (ponderosa pine)	1,2,5,6 10,21,43	600	100
Populus tricocarpa (black cottonwood)	1,2,3	740	50
Pseudotsuga menziesii (Douglas-fir)	1,2,3,5,21	790	100
Pseudotsuga menziesii var. glavca (Douglas-fir)	6,43	600	100
Pseudotsuga menziesii (Douglas-fir)	1,2,3,5	795	50
Pseudotsuga menziesii var. glavca (Douglas-fir)	6,21,43	765	50
Pseudotsuga menziesii (Douglas-fir)	Cryic Soils	780	100
Quercus garryana (Oregon white oak)	1,2,3,5,6,8	820	50
Quercus kelloggii (California black oak)	5	880	50
Sequoia sempervirens (redwood)	1	930	100
Tsuga heterophylla (western hemlock)	1,3	990	100
Tsuga heterophylla (western hemlock)	1,3	995	50

CURVE NUMBER	REFERENCE
030	Schumacher, F.X. 1926. Normal Yield Tables for White Fir. California Agricultural Experiment Station Bulletin No. 407.
035	Cochran, P.H. 1979. Site Index and Height Growth Curves For Management, Even-Aged Stands of White or Grand Fir East of the Cascades in Oregon and Washington. R.P. PNW-252.
040	Alexander, R.R. 1967. Site Indexes for Engelmann Spruce. R.P. RM-32.
050	Schumacher, F.X. 1928. Normal Yield Tables for Red Fir. California Agricultural Experiment Station Bulletin No. 456.

CURVE NUMBER	REFERENCE
060	Herman, F.R., R.O. Curtis, D.J. DeMars. 1978. Height Growth and Site Index Estimates for Noble Fir in High Elevation Forests of the Oregon-Washington Cascades. R.P. PNW-243.
100	Worthington, N.P., F.A. Johnson, G.R. Staebler, and W.J. Lloyd. 1960. Normal Yield Table for Red Alder. R.P. No 36.
210	Sauerwein, W.J. 1982. Western Juniper Site Index Curves. WNTC Tech. Note Forestry No. 14.
265	Schmidt, W.C. 1976. Ecology and Silviculture of Western Larch. Tech. Bulletin No. 1520.
410	Alexander, R.R. 1967. Site Index for Engelmann Spruce. R.P. RM-32.
490	Meyer, W.H. 1937. Yield of Even-Aged Stands of Sitka Spruce and Western Hemlock. Tech. Bulletin 544.
520	Alexander, R.R. 1967. Site Indexes for Lodgepole Pine With Correction for Stand Density; Instructions for Field Use. R.P. RM-24.
570	Haig, I.T. 1932. Second-growth Yield, Stand, and Volume Tables for the Western White Pine Type. Tech. Bulletin 323.
600	Meyer, W.H. 1938. Yield of Even-Aged Stands of Ponderosa Pine. Tech. Bulletin 630.
615	Biging, Greg S., L.C. Wensel. 1984. Site Index Equations for Young Growth Mixed Conifers of Northern California. Northern Calif. Forest Yield Cooperative, University of Calif. Berkeley Research Note No. 8.
740	British Columbia Forest Service. 1977. Inventory Div.
765	Cochran, P.H. 1979. Site Index and Height Growth Curves for Managed, Even-Aged Stands of Douglas-fir East of the Cascades in Oregon and Washington. R.P. PNW-251.
780	Curtis, R.O., F.R. Herman, D.J. DeMars. 1974. Height Growth and Site Index for Douglas-fir in High Elevation Forests of the Oregon - Washington Cascades. Forest Science. Vol. 20, No. 4.
790	McArdle, R.E., W.H. Meyer, D. Bruce. 1961. The Yield of Douglas-fir in the Pacific Northwest. Tech. Bulletin No. 201.
795	King, J.E. 1966. Site Curves for Douglas-fir in the Pacific Northwest. Weyerhaeuser Forestry Paper No. 8.
820	Schnur, Luther G. 1937. Yield, Stand and Volume Tables for Even-Aged Upland Oak Forests. Tech. Bulletin 560.
880	Powers, R.F. 1972. Site Index Curves for Unmanaged Stands of California Black Oak. Res. Note PSW-262.
930	Lindquist, J.L., M.N. Palley. 1963. Empirical Yield Tables for Young-growth Redwood. California Agricultural Experiment Station Bulletin 796.
990	Barnes, G.H. 1962. Yield of Even-Aged Stands of Western Hemlock. Tech Bulletin No. 1273.
995	Wiley, K.N. 1970. Site Index Curves for Western Hemlock in the Pacific Northwest. Weyerhaeuser Forestry Paper No. 17.