

Soil Bioengineering References
 Arranged by Title

Prepared 8/2001 WSDOT

Author	Year	Title	Publication	
Barley, A.D.	1994	A combination of multidisciplinary techniques - vegetation and soil nailing	Discussion, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Describes several case studies of combination projects.
Chatwin/Howe/Schwab/Swan son - Revised	1991	A Guide for Management of Landslide Prone Terrain in the Pacific Northwest	Land Management Handbook # 18 BC Ministry of Forests -	
U.S.D.A. Soil Conservation Service	1974	A guide for the design and layout of vegetative wave protection for earth dam embankments.	Technical Release No.56	
Brenner, R.P.	1973	A Hydrologic Model Study of a Forested and a Cut-over Slope	Bulletin Hydrologic Sciences, Vol.18, No.26, pp.125-143	
Anderson, Charles	1996	A Manual of Native Plant Communities for Urban Areas of the Pacific Northwest	Cascade Biomes, Inc. PO Box 22410, Seattle, WA 98122-0419 (206) 322-0528	
Natural Resources Conservation Service	1997	A Technical Glossary of Stream and River Stabilization, Restoration, and Bioengineering Terms	Natural Resources Conservation Service, Plant Materials Technical Note No.32	http://www.wsu.edu/pmc_nrsc/glossary/tn321ntr.htm
Gray D.H. and Maher, H.	1988	Admixture Stabilization of Sands with Random Fibers	Proceedings XII Intl. Conference on Soil Mechanics and Foundation Engineering, ICSMFE.	
Wright, Stoney	1989	Advances in plant material and revegetation technology in Alaska.	Reclamation, a global perspective : Proceedings of the conference; 1989 8/27-31; Calgary, AB. Rep. No. RRTAC 89-2 Vol. 1. Edmonton, AB: Alberta Land Conservation and Reclamation Council: 107-116 [14361]	
Fontaine, B.L. and Merritt, T.D.	1988	An Anchoring System for Fish Habitat Structures: Field Technique, Evaluation, and Application	Research Note PNW-RN481 Portland, OR: USDA USFS Pacific Northwest Research Station	
Lo, K.Y.	1972	An Approach to the Problem of Progressive Failure	Canadian Geotechnical Journal 9(4):407-429	
Madej, M.A., Kelsey, H. and Weaver, W.	1980	An evaluation of 1978 rehabilitation sites and erosion control techniques in Redwood National Park,	US National Park Service Arcata, CA Technical Rept. No.1, 113p.	
Goldsmith, W. and L. Bestmann	1992	An overview of bioengineering for shore protection.	Pro. Conf. XXIII, International Erosion Control Association. February 1992	
Reistenberg, M.M.	1994	Anchoring of thin colluvium on hillslopes by roots of sugar maple and white ash.	In Landslides in the Cincinnati Area, U.S. Geological Survey Bulletin No.7	
Northcutt, Ben	1994	Applications of soil bioengineering technology in the United States		
Bonham, A.J.	1980	Bank protection using emergent plants against boatwash in rivers and canals	Hydraulic Research, Wallingford Report #IT206	
FHWA	1995	Best Management Practices for Erosion and Sediment Control	FHWA-Eastern Federal Lands Highway Design, FHWA-FLP-94-005	Covers various erosion control techniques, their design and construction. Can be obtained from www.ntis.gov/
Grillmayer, Rick	2000	Best Management Practices for Soft Engineering of Shorelines	Nottawasaga Valley Conservation Authority (unpublished)	Good case study of 7y.o. cribwall with a example of rock retaining wall on opposite bank.
Hunter, Christopher	1991	Better Trout Habitat: A Guide to Stream Restoration and Management	Paperback 320 pages (November 1991) Island Press;ISBN:0933280777	
ELWd Systems	1999	Bibliography of Aquatic Habitat Enhancement Manuals and References	ELWd Systems Technical Note	A good source for further reading on habitat structures and in-stream structures.
U.S. Army Corps of Eng. Allen, H.H. and J.R.Leech		Bioengineering approaches to streambank stabilization - Do they work?	US Army Corps of Engineers, waterways experiment station, technical paper	Results of study of several treatments in streams all over the country, in response to flood events where fps ranged from 2.3 to 10.0 (max)
Scheuter, B.	1995	Bioengineering Construction Techniques at Problem Sites With and Without Inert Construction Materials	Poster 3, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720327	Slope stabilization methods and example projects, good costs section.

Soil Bioengineering References
Arranged by Title

Prepared 8/2001 WSDOT

Franti, Thomas G.	1996	Bioengineering for hillslope, streambank and lakeshore erosion control.	Coop ext., Inst. of Ag. and Nat. Resources, U of Nebraska-Lincoln	
Schiechtl, H.	1980	Bioengineering for land reclamation and conservation.	The Univ. of Alberta Press, Edmonton, Canada	
U.S. Army Corps of Eng. Allen, H.H. and J.R.Leech	1997	Bioengineering for Streambank Erosion Control	US Army Corps of Engineers, waterways experiment station, technical report EL-97-8	Guidelines for using bioengineering treatments in a prudent manner, design suggestions to ensure successful in-stream projects.
U.S. Army Corps of Eng. Webb, J.W., Allen, H.H. and O.S. Shirley	1993	Bioengineering methods to establish salt marsh on dredged material	Coastlines of the Gulf of Mexico, Amer. Soc. Of Civil Eng. Publication (paper presented at Coastal Zone 93 conference, published in "Coastlines")	Continuing research on stabilization alternatives for dredged material disposal areas using salt marsh wetland plants
Biotec d.o.o.	1995	Bioengineering of Steep Slopes	Poster 4, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720327	Using vegetation strips system to revegetate steep slopes in Slovenia.
U.S. Army Corps of Eng. Allen, H.H.	1992	Bioengineering technique of reservoir shoreline erosion control in Germany	Repair, Eval. Maint., Rehab. (REMR) Technical Note GT-SE-1.5	Documentation of a low-cost bioengineering technique for reservoir and shoreline erosion control in Germany.
International Erosion Control Association (sponsor)	1992	Bioengineering techniques for streambank and lakeshore erosion control	Pro. Conf. XXIII, International Erosion Control Association. February 1992	
Leiser, Andrew T.	1994	Biogeotechnology for slope protection and erosion control		
Buckley, G.P.	1989	Biological Habitat Reconstruction	Belhaven Press, London	
Fridl, W.F. and P.E. Demetrious	1982	Biotechnical bank stabilization	Public Works	
Gray, D.H. and R. Sotir	1996	Biotechnical & soil bioengineering slope stabilization: a practical guide for erosion control.	John Wiley and Sons.	
Allen, H.H.	1990	Biotechnical reservoir shoreline stabilization	US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Information Exchange Bulletin Vol. 8 No.1.	
U.S. Army Corps of Engineers	1991	Biotechnical shoreline stabilization	Wildlife Resource Notes -Information Exchange Bulletin Vol.9 No.1 11/01/91 (prepared IAW AR 25-30)	Update on the continuing study of establishing vegetation on shorelines subject to varying water levels.
U.S. Army Corps of Engineers	1990	Biotechnical shoreline stabilization: update report	Wildlife Resource Notes -Information Exchange Bulletin Vol.8 No.1 03/31/90 (prepared IAW AR 310-2)	Continuing study of establishing vegetation on shorelines subject to varying water levels.
Gray, D.H. and A.T. Leiser	1982	Biotechnical slope protection and erosion control	Van Nostrand Reinhold, NewYork, NY	
Greenway, D. R.	1989	Biotechnical slope protection in Hong Kong	Proceeding of Conference XX, International Erosion Control Association. February, 1989. Vancouver, B.C. Canada	
Thomas, M.R., Kropp, A. and Lucas, A.	1989	Biotechnical stabilization of a debris flow scar	Proceedings, XX Intl. Erosion Control Assoc. Conf. Vancouver, BC pp 413-429	
Gray, D.H. and R. Sotir	1992	Biotechnical stabilization of a highway cut slope.	J. Geotechnical Eng. Amer. Assoc. Civil Eng. Vol 118, No. 9.2	
Gray, D.H. and R. Sotir	1992	Biotechnical stabilization of cut and fill slopes. Proceedings, ASCE-GT spec. conf. On slopes and embankments.	Berkeley, CA	
Gray, D.H. and Sotir, R.B.	1995	Biotechnical stabilization of steepened slopes.	Transportation Research Record. (1474) pp23-30	4photos, 7 fig, 17 Ref.
Sotir, R.	1998	Brushing up on erosion control.	American City and County. Vol.113 No 2	
Keller/Bauer/Aldana	1995	Caminos Rurales Con Impactos Minimos -		
Gullickson, D., Josiah S. and Flynn, P.	1999	Catching the Snow With Living Snow Fences	University of Minnesota Extension Service, St. Paul MN (612)625-6281	Forward, Chapters 1 and 2 are available online!
Coppin, N.J., Greenwood, J.R., R.Morgan, and D. Churcher	1994	CIRIA field evaluation and demonstration trials for bioengineering	Paper 8, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Describes the site conditions, geotech. problems, types of vegetation and the monitoring regime for FED trials.
Hambidge, G. , et al.	1949	Climate and Man	USDA Agricultural Yearbook, Washington, DC	

Soil Bioengineering References
Arranged by Title

Prepared 8/2001 WSDOT

Crowder, Wayne and Pullman PMC		Collecting Willow, Poplar, and Red Osier Dogwood Hardwood Cuttings for Riparian Site Plantings	Natural Resources Conservation Service	Plant material guide, planting methods, propagation techniques.
Gray, D.H., Leiser A.T. and C.A.White	1980	Combined vegetative-structural slope stabilization	Amer. Assoc. of Civil Engineering, Vol. 50 No.1, pp.82-85	
Keller, E.A. and Brookes, A.	1984	Considerations of Meandering in Channelization Projects: Selected Observations and Judgements	Proceedings, Conference on Rivers, 1983, pp.384-397	
MacLaughlin, W.T. and R.L. Brown	1942	Controlling coastal sand dunes in the Pacific Northwest.	U.S.D.A. Washington D.C., Circular 660, 46 pages	
Ecabert, R.M.	1993	Coppicing: A Management Program for Trees on Hillsides that Block Views	Cincinnati Urban Landscape Tree Care Specialists, 2pp	
Gostelow, T.P. and Gibson, J.R.	1995	Corine Land Cover Data: Its Application to Regional Landslide Susceptibility Mapping in Basilicata, Tialy Using GIS	Paper 13, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720322	GIS mapping of land use and correlation to landslide occurrences.
Lake, D.W. and J.A. Jackson	1989	Cost effective biotechnical slope protection trials in New York, Amer. Soc. Agric.Eng. Pap. No. 892654	1989 International. ASCE meeting New Orleans, LA	
Burroughs, E.R. [Jr.] and B.R. Thomas	1977	Declining root strength in Douglas-fir after felling as a factor in slope stability.	Paper INT-190. Ogden, UT: USDA Forest Service, Intermountain Forest and Range Experiment Station. 27 p.	
Shewbridge, S.E. and Sitar, N.	1989	Deformation Characteristics of Reinforced Sand in Direct Shear	Journal of Geotechnical Engineering (ASCE), Vol. 115, No. GT8, pp. 1134-1147	
Carlson, J.R., Conway, g.I. Gibbs, J.L., and J.C. Hoag	1991	Design criteria for revegetation in riparian zones of the intermountain area.	In: Proceedings - Symposium on Ecology and Management of Riparian Shrub Communities. USDA Forest Service Gen.Tech. Rep. RM-65	
FHWA	1987	Design of Roadside Channels with Flexible Linings	FHWA-IP-87-7 (HEC-15),	Covers the design of vegetated and riprap lined ditches and small channels Can be obtained from www.fhwa.dot.gov/bridge/hydpub.htm
Sotir, R.	1997	Designing soil bioengineering streambank protection for multiple objectives	Paper, Conference on Managmt. Of Landsc. Disturbed by Channel Incision (05/19-23/97 Oxford MS)	Case study describing how soil bioengineering systems can be used to meet aquatic and riparian habitat objectives.
Heath W. and B.McKinnon	1994	Earthwork monitoring: A project management system	Paper 4, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Outlines an inexpensive management tool for large-scale earthworks using aerial photography, a computer database and software.
Wood, D.M., Meadows,A., Murray, J.M.H. and P.S. Meadows.	1994	Effect of Fungal and bacterial colonies on slope stability	Paper 1, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Findings of slope stability experiments performed on water-saturated sand with and without the presence of fungus and bacteria. Both organisms were found to affect cohesive properties in the sand.
Gray, D.H.	1970	Effects of forest clear-cutting on the stability of natural slopes	Bulletin of the Association of Engineering Geologists vol.7, 45-66	
Sheilds, F.D. and Gray, D.H.	1993	Effects of Woody Vegetation on the Structural Integrity of Sand Levees	Water Resources Bulletin, Vol 28, No.5, pp. 917-932	
US Army Corps of Engineers	1997	Engineering and Design – Handbook for the Preparation of Stormwater Pollution Prevention Plans for Construction Activities	US Army Corps of Engineers, publication No. EP-1110-1-16	Covers various Best Management Practices, one can use to control erosion and streambank stabilization. Advantages, disadvantages, and design criteria is covered for each Best Management Practice. Can be viewed and downloaded from <a href="http://144.3.144.209/corpusdata/usace/inet/usace-
docs/eng-pamphlets/ep1110-1-16/toc.htm">144.3.144.209/corpusdata/usace/inet/usace- docs/eng-pamphlets/ep1110-1-16/toc.htm

Soil Bioengineering References
 Arranged by Title

Prepared 8/2001 WSDOT

Tetteh-Wayoe, Helen	1992	Environment Friendly Solutions to Erosion Control in Alberta	Alberta Transportation and Utilities	
Mifkovic, C.S. and Petersen, M.S.	1975	Environmental aspects - Sacramento bank protection	Proceedings of the American Society of Civil Engineers 101(HY5), 543-55	
Henderson, J.E.	1986	Environmental designs for streambank protection projects.	Water Resources bulletin 22(4): 549-558	
Hynson, J.R. P.R. Adams, J.O. Elmer and T. Dewan	1983	Environmental features for levee projects.	U.S. Army Corps of Eng. Wash. D.C. Tech. Rept. E-83	
Hall, Pheobia	1998	Environmentally Friendly Alternatives to Concrete Drainage Ditches	University of South Alabama (unpublished study)	Basic study of literature, makes case for soil bioengineering to be part of solution (with greenways and wetlands)
Florineth, F.	1994	Erosion control above the timberline in South Tyrol, Italy	Keynote paper, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Case study of extensive revegetation in geologically unstable alpine regions.
Kraebel, C.J.	1936	Erosion control on mountain roads.	USDA Circ. No. 380, 43 pp.	
Kay B.L.	1974	Erosion control treatments on coarse decomposed granite.	Agronomy Program Report 60, 7 pages.	
Kay B.L. and R. Mearns	1973	Erosion control treatments on fine sands.	Agronomy Program Report 58, 8 pages.	
Blunt, S.M. and T.C. Dorken	1994	Erosion of highway slopes in upland Wales: problems and solutions	Paper 5, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Extensive case study of erosion processes in upland Wales, including a literature review, site surveys, and management review.
Bayfield, N.G. , Barker, G.H. & Yah, K.C.	1992	Erosion of Road Cuttings and the Use of Bioengineering to Improve Slope Stability	Singapore Journal of Tropical Geography, vol.13 pp.75-89	
Nolan, K.M., harden, D., and Janda, R.J.	1976	Erosional landform map of the Redwood Creek Basin, Humboldt County, CA	USGS Water Resources Investigation Open File Map 76-42	
Larson, Marit and Derek Booth		Evaluation of Large Wood in Urban Stream Restoration Projects	Center for Urban Water Resources Management http://depts.washington.edu/cssuw/Research/Projects/ulwd.html	Evaluation of the effectiveness of in-channel wood structures in rehabilitation projects on urban and sub-urban streams in degraded watersheds
Flessner, Theresa R.	1997	Factors Affecting Selection, Acquisition and Use of Plant Materials in a Soil Bioengineering Project	Natural Resources Conservation Service, Plant Materials Technical Note No. 18 Portland, OR	Information about plant materials for Soil Bioengineering, good reference section.
Hathaway R.L.	1973	Factors affecting the soil binding capacity of the root systems of some Populus and Salix clones.	M.Sc. Thesis in Botany, Massey University, Palmerston North N.Z.	
Brunsfeld, S.J. and F.D. Johnson	1985	Field Guide to the Willows of East-Central Idaho	University of Idaho. Forest, Wildlife and Range Experiment Station	
Sotir, R. and Gray, D.	1989	Fill Slope Repair Using Soil Bioengineering Systems	Public Works Magazine 120(13):37-45	
Rosgen, Dave and Brenda Fittante	1992	Fish habitat structures: a selection using stream classification.	Applied Fluvial Geomorph. Pp.C31 - C50 and E29 - E36. Wildland Hydrology Consult. Short Course, Sept 28-Oct 2, 1992 Pagosa Springs, CO	
BC Ministry of forests	1995	Forest Road Engineering guidebook		
Sutton, R.F.	1969	Form and Development of Conifer Root Systems	Technical Bulletin No. 7, Commonwealth Agricultural Bureau, Oxford	
Krukeberg, Arthur	1993	Gardening with Native Plants of the Pacific Northwest	University of Washington Press. Seattle, WA ISBN 0-295-96853-2	
Johnson, A.W. and J.M. Stypula, eds.	1993	Guidelines for Bank Stabilization Projects in the Riverine Environments of King County	King County Water & Land Resources, 700 5th Ave. Ste. 2200, Seattle, WA 98104 (206) 296-6519; 68p. \$3.50 Illstr. 22 Refs. In Print	The Guidelines document is a practical guide for all steps of a bank stabilization project
US Army Corps of Engineers	1990	Guidelines for vegetative erosion control on wave-impacted coastal dredged material sites	US Army Corps of Engineers, technical report D-90-13	Evaluation of vegetative stabilization alternatives for dredged material disposal areas using salt marsh wetland plants
Goldsmith, W., Franklin, C. and Alminana, J.	1994	Healing public streambanks	Erosion Control, March/April 1994	

Soil Bioengineering References

Prepared 8/2001 WSDOT

Arranged by Title

U.S. Army Corps of Engineers		Help yourself - A discussion of erosion problems on the Great Lakes and alt. Methods of shore protection.	A General Information Pamphlet	
Washington Department of Transportation	2000	Highway Runoff Manual	Washington Department of Transportation	BMP's advantages, disadvantages, and design criteria for each. Can be downloaded from www.wsdot.wa.gov/fasc/EngineeringPublications
U.S. Department of Transportation	1975	Highways in the river environment - hydraulic and environmental design considerations.	Training and Design Manual	
Reid, G.	1969	How to hold up a bank.	A.S. Barnes and Co. New York, NY	
Natural Resources Conservation Service	1989	How to Plant Willows and Poplars for Riparian Restoration	Plant Materials Technical Note #23	Wattling for Hard-to-stabilize slopes
Oregon Department of Transportation	1999	Hydraulics Manual - Volume 2 - Erosion and Sediment Control Manual	Oregon Department of Transportation	BMP's advantages, disadvantages, and design criteria for each. Available by calling 503/986-3720
Natural Resources Conservation Service	1990	Identification of Ten Willows Used for Streambanks (revision)	Natural Resources Conservation Service, Plant Materials Technical Note No.18	http://www.wsu.edu/pmc_nrcs/technotes/tnotes.htm
Sidele, R.C.	1980	Impacts of Forest Practices on Surface Erosion	Pacific Northwest Extension Publication #195	
Yoon, P.K.	1995	Important Biological Considerations in Use of Vetiver Grass Hedgerows (VGHR) for Slope Protection and Stabilisation	Paper 14, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94 published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720321	VGHR use, comments on producing quality planting materials, establishment and maintenance.
Nilaweera, N.S.	1994	Influence of Hardwood Roots on Soil Shear Strength and Slope Stability in Southern Thailand	Ph.D. Dissertation, Asian Institute of Technology, Bangkok	
Greenway, D.R., Anderson, M.G. and Brian-Boys K.C.	1984	Influence of vegetation on slope stability in Hong Kong	Proc. 4th International Symposium on Landslides. Conclusion Geotechnical Society, Toronto	
Wu, T.H. et al.	1988	In-situ Shear Test of Soil-root Systems	Journal of Geotechnical Engineering (ASCE), Vol. 16, No. 1, pp. 19-33	
Gellatley, M.J. McGinnity, B.T., Barker, D.H. and W.J. Rankin	1994	Interaction of vegetation with the LUL surface railway system	Paper 3, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94 published in Vegetation and Slopes - Stabilisation, protection and ecology	Assesses the interaction of vegetation with LUL earthworks slopes and structures within the corridor.
Hayes, D.W. and G.A. Garrison	1960	Key to Important Woody Plants of Eastern Oregon and Washington	Agricultural Handbook No.148 USDA Forest Service	
Natural Resources Conservation Service	1940	Lake bluff erosion control	Rept. Prepared by US Soil Conservation Service, Lansing, MI	
Goldsmith, W., Franklin, C. and Alminana, J.	1993	Lakeside bioengineering	Land and Water, 37. March/April 1993	
Harker, D., Evans, S., Evans, M., Harker, K.	1993	Landscape Restoration Handbook	Lewis Publishers United States Golf Association	Describes the dominant ecological communities of continental US, with principles and guidelines for "naturalization" programs.
Bishop, D.M. and Stevens, M.E.	1964	Landslips on logged areas in Southeast Alaska.	USDA Forest Service Research Paper NOR-1,18	
U.S. Army Corps of Engineers Keown, M.P.	1977	Literature survey and preliminary evaluation of streambank protection methods	US Army Corps of Engineers, waterways experiment station, technical report H-77-9	****Available on loan, U.S. Army Vicksburg Research Library Gateway (WebCat) http://134.164.46.9/uhtbin/cgiisirs/5AkRI6HB6h/0/49
Kauffman, H.B. and W.C. Krueger	1984	Livestock impacts on riparian ecosystems and streamside management implications	Journal of Range Management. 37:430-438	
Smolczyk, U. and K. Malcharek	1983	Living sheets on steep slopes.	Proceedings, 2nd Intl. Conf. On Geotextiles Vol2 Las Vegas, NV pp. 253-257	
Skempton, A.S.	1964	Long-Term Stability of Clay Slopes	Geotechnique, 14, 75-101	

Arranged by Title

Lawrance, C.J.	1994	Low cost engineering and vegetative measures for stabilizing roadside slopes in Nepal	Keynote, Proceedings of the internet. Confr., University Museum, Oxford 09/29-30/94 published in Vegetation and Slopes - Stabilisation, protection and ecology	Describes challenges of search for stabilization methods using vegetation in Nepal, including little scientific knowledge of native plant species and the difficulty of monsoon-type storms.
Bayfield, N.G. and Aitken, R.	1992	Managing the Impacts of Recreation on Vegetation and soils	Institute of Terrestrial Ecology, Banchory	
U.S. Army Corps of Eng. Allen, H.H. and J.W.Webb	1984	Marsh transplant establishment analysis along the northwest shoreline of Theodore Island, Mobile Bay, AL	Paper, 11th Annual Hillsborough Community College Symposium	Continuing research on stabilization alternatives for dredged material disposal areas using salt marsh wetland plants
Harden, D., et al.	1978	Mass movement in the drainage basin of Redwood Creek, Humboldt County, CA - A Progress Report	USGS Open File Report 76-486, 161p.	
Gray D.H. and Ohashi H.	1983	Mechanics of Fiber Reinforcement in Sand	Journal of Geotechnical Engineering (ASCE) Vol. 112 No. GT3, p. 335-353	
US Environmental Protection Agency	1975	Methods of quickly revegetating soils of low productivity, construction activities,	EPA - 440/9-75-006, U. S. EPA, Washington, D.C.	
Bohm, W.	1979	Methods of studying root systems.	Springer-Verlag (publishing)	
Meadows, A., Meadows, P.S., Muir Wood, D. and Murray, J.H.M.	1994	Microbiological effects on slope stability: an experimental analysis.	Sedimentology 41	
USDA Forest Service	2001	Minimum Impact Low-Volume Roads	USDA Forest Service	Chapter 17 will cover erosion and sediment control techniques
Natural Resources Conservation Service	1995	Native plants recommended for wetland/riparian plantings in the Pacific Northwest	Natural Resources Conservation Service, Plant Materials Technical Note No. 28	Available online, click here.
Darris, D.C. and S.M. Lambert	1993	Native Willow Varieties for the Pacific Northwest	Corvallis Plant Materials Center. USDA Soil Conservation Service	
Boe, K.N.	1975	Natural seedlings and sprouts after regeneration cuttings in old-growth redwood	Pacific Southwest and Range Experimentation Station, Research Paper PSW-111, Berkeley, California	
Franklin, Jerry and Dyrness, C.T.	1988	Natural Vegetation of Oregon and Washington	OSU Press	A generalized account of the major vegetation types within OR and WA. Provide bibliographic reference to specific information.
Maia, Eric		Northwest Native Plants: Identification & Propagation for Revegetation and Restoration Projects. with supplemental sections Noxious Weeds and Aquatic Plants	King County Water & Land Resources, 700 5th Ave. Ste. 2200, Seattle, WA 98104 (206) 296-6519; 68p. \$3.50 Illstr. 22 Refs. In Print	
Leiser, Andrew T.	1994	Obtaining and handling plant materials		
Darris, D.C., Flessner, J.R. and J.D.C. Trindle	1994	Plant Materials for Streambank Stabilization 1980 - 1992	Natural Resources Conservation Service, Portland, OR 172 pp. Corvallis Plant Materials Center Technical Report	
Grime	1979	Plant Strategies and Vegetation Process	Wiley, Chichester	
Pojar, J. and MacKinnon, A.	1994	Plants of the Pacific Northwest	Lone Pine Publishing, Redmond, WA. ISBN 1-55105-040-4	Must-have guide to Pacific Northwest Native Plants
Natural Resources Conservation Service	1978	Predicting Rainfall Erosion Losses: a Guide to Conservation Planning	USDA Agricultural Handbook #537, Washington, DC	
Gray, D.H.	1991	Proceedings: Workshop on biotechnical stabilization.	The University of Michigan	
Crowder, W. and Darris, D.	1999	Producing Pacific Northwest Native Trees and Shrubs in Hardwood Cutting Blocks or Stooling Beds	Natural Resources Conservation Service, Plant Materials Technical Note No. 38 Pullman, WA	Creating your own cutting source for restoration projects.
Sotir, R.	1991	Project evaluation of fill slope repair using soil bioengineering systems: NC 126, Burke-Mcdowel counties, NC	Prepared by Geotechnical Unit, NCDOT and Soil Bioengineering Corporation, Marietta, GA	

Arranged by Title

Rose, R., Chachulski C., and Haase D.	1996	Propagation of Pacific Northwest Native Plants Vol.s I and II	Oregon State University Press 101 Waldo Hall Corvallis, OR 97331-6407 (541) 737-3166	Order at: http://www.orst.edu/dept/press/proplants.htm
Burroughs, E. and J. King	1989	Reduction of Soil Erosion on Forest Roads	USDA – Forest Service Intermountain Research Station, INT-264	Covers various techniques to reduce erosion on road cuts and road surfaces
Bayfield, N.G. and McGowan, G.M.	1990	Re-establishment of Mountain and Moorland Vegetation	Laboratory screening trails 1988-9. Institute of Terrestrial Ecology, Banchory.	
Brown, N.	1994	Rehabilitation of natural forests in the humid tropics	Keynote, Proceedings of the internet. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Addresses the acute problem of land restoration and erosion control, and examines the potential of the natural vegetation for providing solutions.
U.S. Army Corps of Engineers	1986	Reservoir shoreline revegetation guidelines		Feasibility study of establishing vegetation on shorelines subject to varying water levels.
Lee, C.R. et. Al.	1985	Restoration of problem soil materials at Corps of Engineers construction sites	Environmental Laboratory, US Army Corps of Engineers Waterways Experimentation Station. Environmental Impact Research Program Instruction Report EL-85-2. Vicksburg, MI	
Washington Dept. of Fish and Wildlife		Restoring the Watershed : A citizen's Guide to Riparian Restoration in Western Washington	Washington Dept. of Fish and Wildlife, Habitat Division (360) 902-2534	Native vegetation of Western Washington for use in restoration projects.
Leister A.T., J.J. Nussbaum, Kay B., Paul J. and W. Thornhill	1974	Revegetation of disturbed soils in the Tahoe Basin.	Dept. Environ., Horticult., Agron., and Range Sci. U of Calif., Davis Final Rept. 71pages.	
Kay B.L.	1973	Revegetation of mountain sites above 3,000 ft. in California	Agronomy Program Report 53, 6 pages.	
Clark, J., Foy, T., and Hellin, J.	1995	Review of the Natural Resources Institute's Bio-Engineering Research in the Caribbean.	Paper 12, Proceedings of the internet. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720320	
Washington Department of Transportation	1999	Roadside Manual, - Chapter 700	Washington Department of Transportation	Covers various erosion control techniques and practices. Can be downloaded from www.wsdot.wa.gov/fasc/EngineeringPublications
Gray, D.H.	1978	Role of woody vegetation in reinforcing soils and stabilizing slopes	Proceedings of the symposium on soil reinforcing and stabilization techniques in engineering practice. Sydney, Australia	
Kochenderfer, J.N.	1972	Root Distribution Under Some Forest Types Native to West Virginia	Ecology, 54:45-448	
Thien, H.W., Reistenberg, M.M. and A. Fledge	1994	Root properties for design of slope stabilization	Paper 2, Proceedings of the internet. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Summarizes requirements for slope stability and presents data on root properties of black locust (Robinia pseudoacacia).
Natural Resources Conservation Service	1999	Rooting Characteristics of Black Cottonwood and Pacific Willow	Natural Resources Conservation Service, Plant Materials Technical Note No.39	http://www.wsu.edu/pmc_nr/cs/technotes/plant_materials/tntpm39.htm
Nord E.C. and J.R. Goodin	1970	Rooting cuttings of shrub species for plantings in California wildlands	U.S.D.A. Forest Service Res. Note PSW-213, 1-3	
Helliwell, D.R.	1995	Rooting Habits and Moisture Requirements of Trees and Other Vegetation	Poster 1, Proceedings of the internet. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720325	Discourse on rooting habits and moisture content of soil types and the movement of moisture in soils.
Ziemer, R.R.	1981	Roots and Shallow Stability of Forested Slopes	International Association of Hydrological Sciences, Publ. No. 132, p.343-361	
Sotir, R.	34213	Route 146/Massachusetts turnpike interchange project potential soil bioengineering applications in comments on the draft EIS	Prepared by the Massachusetts Turnpike Authority by Robbin B. Sotir and Associates, Soil Bioengineering Consultants, Marietta	
Duddles, R.E. and Landgren, C.G.	1993	Selecting and Buying Quality Seedlings	Oregon State University Extension Service Circular 1196	Guide to reforestation: tree seedling selection, quality and installation.

Soil Bioengineering References

Prepared 8/2001 WSDOT

Arranged by Title

Carlson, J.R.	1992	Selection, production and use of riparian plant materials for the Western United States	In: Proceedings - Intermountain Forest Nursery Association. USDA FS Gen. Tech. Rep. RM-211. Fort Collins, Co.	Not available online. To order, click here.
Gray, D.H.	1997	Selection/Design of Biotechnical Groundcover Systems	National Short Course on Applied Biogeotechnology, San Francisco, CA 08/11-13/97 Copyrighted 1997	
Tobias, S.	1995	Shear Strength of the Soil Root Bond System	Poster 5, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720328	Study quantifies root strength of species of prairie grasses in Switzerland.
U.S. Army Corps of Engineers	1971	Shore Protection Guidelines, National Shoreline Study,	Rept. Prepared by U.S. Corps of Engineers, Dept. of the Army, Washington, D.C., 39 pp.	
U.S. Army Coastal Engineering Research Center	1975	Shore Protection Manual, volumes I and II		
Canning, Douglas J.	1991	Shoreline bluff and slope stability: Management options	Washington Dept. of Ecology . Shorelines technical assistance paper No. 2.	
Howell, R. J.	1971	Slope erosion transects, Lake Tahoe Basin	Interim Report No. M&R 657078-1, Materials and Research Dept., Division of Highways, State of California, Sacramento, CA	
Nordin, A.R.	1995	Slope Instability Problems, The Malaysian Experience	Poster 2, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720326	The rapid urbanization of Malaysian landscape is leading to devegetation and soil stability and erosion problems. Comments on the potential of soil bioengineering to combat these problems.
Side, R.C.	1980	Slope Stability on Forest Land	Pacific Northwest Extension Publication #209	
Swanston, D.N.	1974	Slope Stability Problems Associated with Timber Harvesting in Mountainous Regions of the Western United States	USDA Forest Service General Technical Report PNW-21, 14pp.	
Myers, Rian; Washington Dept. of Ecology	1993	Slope Stabilization Erosion Control Using Vegetation: A Manual of Practice for Coastal Bluff	Washington Dept. of Ecology . Shorelines technical assistance publication 93-30	
Wu, T.H.	1994	Slope Stabilization, in Use of Vegetation in Erosion Control and Slope Stabilization	R.P.C. Morgan and R.J. Rickson, eds., Chapman and Hall, London, in press	
Sotir, R.	1997	Soil Bioengineering - Applied biotechnology - Sensible solutions for our built environment	University of Wisconsin, Madison Course Notes (08/11-13/97 san Francisco, CA)	Guide to soil bioengineering techniques, design, and construction for riparian and upland applications.
Lewis, Lisa	2000	Soil Bioengineering an Alternative for Roadside Managers - A Practical Guide	USDA Forest Service San Diams Technology and Development Center	Covers bioengineering applications for erosion control, slope stabilization, and eroded gullies. Can be viewed and downloaded from fsweb.sdtcd.wo.fs.fed.us/
Tetteh-Wayoe, Helen	1994	Soil Bioengineering Demonstration Project in Alberta	Alberta Transportation and Utilities http://www.tu.gov.ab.ca/Content/doctype255/production/RR9420.pdf	Summary of a research project aimed at introducing soil bioengineering to Alberta Transportation and Utilities
Sotir, Robbin B.	1995	Soil Bioengineering Experiences in North America	Paper 10, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720318	Case studies from N. America
U.S.D.A. Soil Conservation Service	1992	Soil bioengineering for upland slope protection and erosion control.	Engineering Field Handbook (210-EFH, 10/92), Ch. 18	
United States Navy	1991	Soil bioengineering major gully washout repair, Silverhill Airfield, Baldwin City. AL	Naval Civil Eng. Lab., Port Hueneme, CA	
Sotir, R.	1998	Soil Bioengineering Takes Root	Civil Engineering. 1998/07 68(7) pp50-53 abstract: http://www.pubs.asce.org/ceonline/julyabs.html#soilbio	(2 Phot., 2 Fig)
Simon, Katrina and Steinmann, Anne	2000	Soil Bioengineering: Challenges for Planning and Engineering	Journal of Urban Planning and Development June 2000, Volume 126, issue 2 pp89-102	Available online at: http://www.pubs.asce.org/journals/up.html
Bayfield, N.G.	1994	Species selection and management for slope protection	Keynote paper, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Emphasizes strategy in selection and maintenance of vegetation. Factors include: site characteristics, range of species and management.

Soil Bioengineering References

Prepared 8/2001 WSDOT

Arranged by Title

Huang, Y.H.	1983	Stability Analysis of Earth Slopes	VonNostrand Reinhold Co. New York, NY	
Wu, T.H., Randolph, B.W., and Huang, C.S.	1993	Stability of Shale Embankments	Journal of Geotechnical Engineering, 119 (1):127-146	
Sotir, R. and M.A. McCaffery	1997	Stabilization of high soil and rock cut slope by soil bioengineering and conventional engineering.	Transportation Research Record. (1589) pp92-98	7photos, 5 fig,
Brown R.L. and A.L. Hafenrichter	1962	Stabilizing sand dunes on the Pacific Coast.	U.S.D.A. Soil Conservation Service Publ. 892. 18 pages	
Maher, M and Gray, D.H.	1990	Static Response of Sands Reinforced with Randomly Distributed Fibers	Journal of Geotechnical Engineering (ASCE) Vol. 116 No. 11, p. 1661-77	
Federal Interagency Stream Restoration Working Group	36069	Stream Corridor Restoration: Principles, Processes, and Practices	FISRWG (10/1998). Stream Corridor Restoration: Principles, Processes, and Practices. By the Federal Interagency Stream Restoration Working Group (FISRWG)(15 Federal agencies of the US gov't). GPO Item No. 0120-A; SuDocs No. A 57.6/2:EN3/PT.653. ISBN-0-934213-59-3.	Available in PDF online.
Orsborn, J.F. and Anderson, J.W.	1986	Stream improvements and fish response: a bio-engineering assessment.	Water Resources Bulletin. June 1986. Vol. 22, No. 3. Pp. 381-388	
U.S.D.A. Soil Conservation Service	1992	Streambank and shoreline protection.	Engineering Field Handbook (210-EFH, 10/92), Ch. 16	
Edminster, F.C., W.S. Atkinson and A.C. McIntyre	1949	Streambank erosion control on the Winooski River, Vermont	USDA Circular No. 837, 54 pp.	
U.S. Army Corps of Engineers	1983	Streambank protection guidelines	A General Information Pamphlet	
Natural Resources Conservation Service	1990	Streambank Rehabilitation in Washington Using Willow Species and Hybrid Cottonwoods	Natural Resources Conservation Service, Plant Materials Technical Note No.21	http://www.wsu.edu/pmc_nr/cs/technotes/plant_materials/tntpm21.htm
Natural Resources Conservation Service		Streambank Revegetation	Natural Resources Conservation Service, Plant Materials Technical Note No.12	Not available on line, to order see: http://www.wsu.edu/pmc_nr/cs/technotes/tnotes.htm
Wu T.H., McKinell, W.P. and Swanton, D.N.	1979	Strength of Tree Roots and Landslides on Prince of Wales Island, Alaska	Canadian Geotechnical Journal	
Wu, T.H. et al.	1988	Study of Soil-Root Interactions	Journal of Geotechnical Engineering (ASCE), Vol. 114, No. GT12, pp. 1376-1394	
Cheng C.C.	1972	Study on the tensile strength of introduced grass root system.	J. Chinese Soil and Water Conserv. Taiwan. 3, 2, pp. 159 - 178	
Juelson, Tom C.	1980	Suggestion for Streambank Revegetation in Western Washington	Washington State Department of Game Applied Research Information Report No.13	
Goodrich, Sherel	1992	Summary flora of riparian shrub communities of the Intermountain region with emphasis on willows.	Proceedings - symposium on ecology and management of riparian shrub communities; USDA Gen. Tech. Rep. INT-289 Ogden, UT	Not available online. To order, click here.
Margolin, Malcom	1982	The Earth Manual	Hunt & Mifflin. The United States Bureau of Land Reclamation	The Earth Manual comprehensively covers the engineering of earthen structures. Extensive bibliographies supplement each chapter. An exhaustive index references and cross-references hundreds of terms in the book.
Perry, T.O.	1982	The Ecology of Tree Roots and the Practical Significance Thereof	Journal of Arboriculture, 8:197-211	
O'Loughlin, C.L.	1974	The Effects of Timber Removal on the Stability of Forest Soils	Journal of Hydrology (NZ) Vol 13, pp121-134	
Barker, D.H.	1988	The enhancement of slope stability by vegetation.	Ground Engineering, April 11-15	
Well, T.C.E.	1987	The Establishment of Floral Grasslands.	Acta Horticulture. 195 , 59-69	
Helliwell, D.R.	1990	The Extent of Tree Roots	Aboricultural Journal Volume 10, 341-347	
Stankey, G.H., Cole, D.N., Lucas, R.C., Petersen, M.E. and Frissell, S.S.	1985	The Limits of Acceptable Change (LAC) System for Wilderness Planning	USDA Forest Service General Technical Report INT-176, Ogden	

Soil Bioengineering References

Prepared 8/2001 WSDOT

Arranged by Title

Bonham, A.J.	1983	The management of wave-spreading vegetation as bank protection against boat wash	Landscape Planning, 10, 15-30	
Reistenberg, M.H. and Sovonick-Dunford, S.	1983	The Role of Woody Vegetation on Stabilizing Slopes in the Cincinnati Area	Geologic Society of America Bulletin, Vol.94, p.504-518	
Bishop, A.W.	1955	The use of slip circle in the stability of earth slopes.	Geotechnique, 5, 7-17	
Barker, D.H.	1995	The Way Ahead - Continuing and Future Developments in Vegetative Slope Engineering or Ecoengineering	Keynote Paper, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720323	Describes important continuing and future developments in the interaction of vegetation and slope processes as seen by civil-geotechnical engineers.
Brown, F and Clark, J	1995	The West Coast Road in St. Lucia, An Approach to Slope Stabilization	Paper 11, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720319	Case study of soil bioengineering in conjunction with a widening project in the Caribbean. Provides species identification.
DOT	1993	The Wild Flower Handbook	Department of Transport, London	
Kadlec; Robert H. Knight; Robert L.	1995	Treatment Wetlands	CRC Press, Published: 12/13/1995 ISBN/ISSN: 0873719301	
Tschantz, B.A. and Weaver, J.D.	1988	Tree Growth on Earthen Dams: A Survey of State Policy and Practice	Civil Engineering Department, University of Tennessee, 36 p.	
Watson, A, Marsden, M, and Rowan, D	1995	Tree Species Performance and Slope Stability	Paper 9, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology, ISBN:0727720317	Study of root mass, morphology and strength of Pinus radiata and Kunzia ericoides.
Horton, J.S.	1949	Trees and shrubs for erosion control in Southern California mountains		
U.S. Department of Transportation		Use of riprap for bank protection.		
Natural Resources Conservation Service		Use of Vegetation for Streambank Erosion Control	Natural Resources Conservation Service, Plant Materials Technical Note No.9	Not available on line, to order see: http://www.wsu.edu/pmc_nrsc/technotes/tnotes.htm
Coppin, N.J., Barker, D.L. and I. Richards	1990	Use of vegetation in civil engineering	CIRIA, Butterworths (Sevenoaks, Kent, England)	
Hoag, J.C. and H. Short	1993	Use of Willow and Cottonwood Pole Cuttings for Vegetating Shorelines and Riparian Areas	Natural Resources Conservation Service, Aberdeen Plant Materials Center, Aberdeen, ID	Popular report of the Aberdeen Plant Materials Center
Hoag, J.Chris		Using Dormant Cuttings to Revegetat Riparian Areas	Natural Resources Conservation Service Publication	Available online.
Greenway, D.R.	1987	Vegetation and Slope Stability	Slope Stability, edited by Anderson and Richards, John Wiley & Sons, N.Y.	
Barker, D.H. ed.	1995	Vegetation and slopes - stabilisation, protection and ecology	American Society of Civil Engineers, Publications Sales Department, New York, NY (in U.K. Redwood Books, Trowbridge, Wiltshire)	Proceedings of the international conference, University Museum, Oxford 09/29-30/94 Many papers presented.
Gray, D.H.	1994	Vegetation and Slopes: Influence of vegetation on the stability of slopes	Keynote address, Proceedings of the internat. Confr. , University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Outlines different hydro-mechanical mechanisms that explain the protective role of vegetation (mechanical reinforcement, hydrological changes).
U.S.D.A. Soil Conservation Service		Vegetation for tidal shoreline stabilization in the Mid-Atlantic States	U.S. Gov. Printing Office S/N001-007-00906-5	
Bache, D.H. and MacAskill	1984	Vegetation in Civil and Landscape Engineering	Grenada Publishing, London	
Bache, D.H. and MacAskill	1987	Vegetation in coastal and stream-bank protection	Landscape Planning, 8, 363-385	
Menashe, Elliott.	1993	Vegetation Management: A guide for Puget Sound Bluff Property Owners	Washington State Department of Ecology, Pub. 93-31	A guide for using vegetation to stabilize bluff property.
Wright, P.E. and N.P. Daniels	1994	Vegetation of reclaimed colliery tips	Paper 6, Proceedings of the internat. Confr., University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Outlines the techniques used by the Land Reclamation Unit in establishing vegetation on steep slopes, 23, 15 and 5 years ago.

Soil Bioengineering References
 Arranged by Title

Prepared 8/2001 WSDOT

Nolan, M.F.	1981	Vegetation on Corps of Engineers Project Levees in the Sacramento-San Joaquin Valley, CA	In California Riparian Systems Conference, edited by Warner, R.E. and Hendrix, K.M. University of California, Davis	
Parsons, D.A.		Vegetative control of streambank erosion.	U.S.D.A. Sedimentation Lab., Soil and Water Conserv., Research Division, Ag. Research Serv. Paper 20, 130-136	
Tsukamoto, Y. and Kusakaba O.	1984	Vegetative Influence on Debris Slide Occurrences on Steep Slopes in Japan	Proceedings, Symposium on Effects of Forest Land Use on Erosion and Slope Stability, Envl. Policy Institute, Honolulu, HI	
Heyer, Teri		Vegetative Measures for Streambank Stabilization	USDA Forest Service, N.E. Area State & Private Forestry Program. http://willow.ncfes.umn.edu/Stream/str_cov.htm	Four projects, all streams exhibited severe streambank erosion, lack of riparian forest, and excessive stream bedload. Treatments: tree revetments and/or dormant woody plantings.
Grimshaw, R.G.	1994	Vetiver grass - Its use for slope and structure stabilization under tropical and semi tropical conditions	Keynote paper, Proceedings of the internat. Confr. , University Museum, Oxford 09/29-30/94published in Vegetation and Slopes - Stabilisation, protection and ecology	Describes the unique characteristics of vetiver grass <i>Vetiveria zizanioides</i> , and its potential use for stabilising slopes and cut and fill structures.
Natural Resources Conservation Service	2001	Waterjet Stinger: A Tool to Plant Dormant Unrooted Cutting of Willows, Cottonwoods, Dogwood, and Other Species.	Natural Resources Conservation Service, Plant Materials Technical Note No.44	http://www.wsu.edu/pmc_nr/cs/technotes/plant_materials/tntpm44.htm
Janda, R.J.	1975	Watershed conditions in the drainage basin of Redwood Creek, Humbolt County, CA, as of 1973	USGS Open File Report75-568, 267p.	
Natural Resources Conservation Service	1989	Wattling for Hard-to-Stabilize slopes	Natural Resources Conservation Service, Plant Materials Technical Note No. 5	Wattling for Hard-to-stabilize slopes
Hewsholme, Christopher	1992	Willows: The genus Salix.	Portland, OR: Timber Press, Inc. 224p.	
Sheilds, F.D.	1991	Woody Vegetation and Riprap Stability along the Sacramento River Mile 84.5 to 119	Water Resources Bulletin, Vol 27, No.3, pp. 527-536	