

Volume 10 Author Index

- Acedo, J. R. 50
 Alkon, M. 118
 Allen, E. B., p. 56
 Allen, J.A. 155
 Allen, M.F. 140.2
 Allen, R. B. 72
 Allen-Diaz, B. H. 8
 Allison, H. D. 42
 Alverson, E.R. 219
 Anderson, M.R. 154
 Anderson, R.C. 125, 154
 Anthony, R. 48.1
 Armson, E. 66
 Armstrong, J.K. 126
 Asmussen, L. E. 42
 Aspinwall, N. 180
 Atkinson, R.B. 158
 Aultz, S. P., p. 127
 Baca, B.J. 178.1
 Bacchus, S. T. 28
 Baker, J.M. 170.3
 Ball, G.L. 140.1
 Ballou, T.G. 178.1
 Baskin, C. C. 7.3, 49
 Baskin, J. M. 7.3, 49
 Beavers, W.R. 179.2
 Becker, B.D. 149
 Becker, R. L. 69
 Bell, S. S. 43.1
 Berger, J. J. 110
 Bertness, M. 173
 Betts, V. 97.3
 Betz, R. F., p. 33
 Blanchard, S.W. 122.3
 Blazich, F. A. 50
 Blumler, M.A. 127
 Boerner, R.E.J. 128
 Bonta, M. 9
 Bossard, C. C. 64
 Bottom, D. L. 43.2
 Boudreau, D. 61
 Boumans R. 43.6
 Bowler, P.A., p. 144
 Bradley, N. 114
 Bragg, T.B. 122.1
 Brantley, C. G. 24
 Breininger, D.R. 142
 Brenchley-Jackson, J. L. 107
 Brizuela, M. A. 10
 Bronny, C. 4, 113
 Brooks, D.R. 211.1
 Brower, D. 216
 Brown, B.J. 145
 Buchanan, B.A. 211.3
 Bulthuis, D. A. 43.3
 Burke, R. L. 105
 Burkholder, J. M. 43.4
 Burton, P. J. 97.1
 Bush, J.K. 19, 123.1
 Cain, J. 37.1
 Cairns, Jr., J. 115, 116
 Caldwell, L. K. 111
 Caldwell, R.D. 156.1
 Christian, T. 180
 Christianson, K. M. 62.2
 Cid, M. S. 10
 Clark, P.A. 170.1
 Clarke, R. T. 17
 Clay, R. T. 66
 Clubine, S. 186
 Cochrane, K.E. 128
 Coe-Klopatek, C. 140.2
 Coleman, V. L. 43.4
 Collins, E.R. 193
 Conkling, P. 192
 Coombs, E. 67
 Corbeil, C. 117
 Cotts, N.R. 179.1
 Cox, C. 67
 Cox, J. R. 56
 Crank, E. 48.2
 Currin, C. A. 43.5
 Curtin, C. G. 47
 Danielson, R. M. 55
 Darroch, B. A. 97.2
 Davies, C.S. 146
 Davis, T. D. 51
 Dawes, L. 162
 Day, J. 43.6
 DeBano, L.F. 140.2
 De Diego, M.E. 170.3
 De Janon, L.R. 170.3
 Deloria, Jr., V., p. 48
 Denison, D.L. 153
 Dennison, W. C. 43.7
 Densmore, R. 167
 Denton, S.R. 157.1
 Deppe, E.R. 166
 Dhillon, S. S. 7.1
 Diamond, D.D. 123.1
 Dilger, M.L. 191
 DiPiero, S. J. 43.13
 Dodd, C. K. 104
 Doehne, H.A. 213
 Doren, R.F. 157.2
 Dowler, W. M. 62.3
 Duffy, D.C. 147
 Dunkle, N.B. 179.2
 Dunn, C. P. 15
 Dunwiddie, P., p. 116
 Duquesnel, J. 187
 Edson, J. L. 52
 Edwards, S. W. 11
 Engle, D.M. 122.2
 Evans, C. 39
 Feeback, D. 174
 Fenchel, G. 211.2
 Ferguson, B. K. 40
 Ferguson, R. L. 43.5
 Fifield-Murray, M. 2
 Fink, B. H. 43.8
 Fins, L. 52
 Foin, T. C. 107
 Fonseca, M. S. 43.9, 43.10, 43.13
 Francl, L. J. 62.2
 Frenkel, R. E. 45
 Fresh, K. L. 43.2
 Friese, C. 140.2
 Garbisch, E. W. 23
 Garrett, K. 129
 Garvine, R. W. 43.16
 George, S. W. 51
 Gibbons, S.T., p. 120
 Gibson, D. H. 12
 Gill, D. S. 73
 Gillespie, J. 60
 Gilliam, C. H. 76
 Glasgow, Jr., H. B. 43.4
 Glass, S. 181
 Glitzenstein, J.S. 141.2
 Good, B. 157.4
 Goodson, D.G. 179.3
 Goward, T. 130
 Grese, R. 182.1
 Griggs, T. 37.2
 Gross, K. L. 74
 Guertin, D.P. 140.1
 Guinon, M. 118
 Guntenspergen, G. R. 15
 Gustaitis, R. 188
 Haberstock, A.E., p. 158
 Hall, M. O. 43.1
 Halterman, M. D. 37.3, 37.4
 Harnett, D. C. 7.2, 7.4, 12, 13
 Harris, S. L. 34
 Hassell, W.G. 179.2
 Haworth-Brockman, M. J. 66
 Heck, Jr., K.L. 43.18
 Hermann, M. 53
 Hermesh, R. 97.2
 Hernandez, D., p. 14
 Heuberger, D. 148
 Hibbs, D.E. 219
 Hobbs, N. T. 14
 Hoeger, S. 161
 Hoffman, R. 110
 Hoffman, R. S. 43.11
 Hogan, M. E. 62.1
 Holland, K. 194
 Holloway, M. 100
 Houghton, J. P. 43.14
 House, F. p. 60
 Howard, R.J. 171
 Huffman, J.M. 122.3, 148
 Hull, J., p. 38
 Hunter, J. C. 103
 Jackson, L.L., p. 56, 214
 Jackson, J. R. 80
 Janzen, D. H. p. 8
 Johnson, C.B. 131
 Johnson, D. R. 62.3
 Johnson, M. S. 57
 Johnson, W. C. 31
 Jones, J. 213
 Jones, P.R. 213
 Jones, S.M. 140.3
 Jordahl, J. G. 62.2
 Jordan III, W. R., pp. 3, 111; 59
 Jordan IV, W.R., p. 132
 Juncosa, A. 103

- Jurik, T.W. 133
 Karle, K. 167
 Kazmaier, R. 7.4
 Kearney, M. S. 43.12
 Kearns, K. 110
 Keeley, J. 141.1
 Kenworthy, W. J. 43.9, 43.13
 Kilgen, K. 43.6
 Kimber, A. 36.1
 Klein, J. 152
 Kline, J. 35
 Kline, V. M., p. 36
 Klopatek, J.M. 140.2
 Knopf, F. L. 41
 Lalas, C. 213
 Lankford, T.E. 178.1
 Lasday, A.H. 170.3
 Lathrop, R.C. 166
 Laymon, S. A. 37.4
 Leach, P. 215
 Lehto, T. H. 54
 Leitner, L. A. 15
 Lent, T. 139
 Levin, L. A. 43.19
 Lewis III, R. R., p. 18
 Libby, W. J. 75
 Liberta, A.E. 125
 Lillestolen, T. 169
 Lindsay, M. 16
 Longenecker, K. 43.1
 Luken, J.O. 174
 Luque, E.L. 170.3
 Lym, R. G. 62.2
 Macyk, T. M. 97.3
 Magnuson, J. J., p. 29
 Malone, C. R. 99
 Mankiewicz, J. A., p. 14
 Mankiewicz, P. S., p. 14
 Manners, G. D. 62.1
 Marks, P. L. 73
 Martin, C. A. 76
 Mason, K. M. 43.4
 Matthies, M. 37.2
 Maun, M. A. 58
 McCormick, K. 29, 30
 McEvoy, P. 67
 McGee, L. 199
 McGrath, R. 188
 McNinch, S. 23
 McKenzie, T. P. 43.14
 Mech, L. D. 108
 Meeker, J.E. 163.1
 Mehlman, D. W. 21.1
 Meiner, A.J. 147
 Mendelson, Jon, p. 127
 Mendelson Judith, p. 127
 Mendelson, T.C. 145
 Mendelssohn, I.A. 171
 Menke, J.W. 132
 Merkel, K. W. 43.11
 Merrill, G. L. S. 12
 Mexal, J.G. 211.3
 Meyer, D. L. 43.9
 Meyer, S.M. 192
 Miller, R. M. 79
 Morales, R.A. 170.3
 Morgan, J. 100
 Morlan, J. C. 45
 Morrow, L. 215
 Mott, J. B. 101
 Muehlstein, L. K. 43.15
 Mulholland, R. 197
 Munro, J.W. 157.5
 Murkin, H. R. 66
 Murn, T. 60
 Nelson, L. 102
 Nelson, M., p. 167
 Newton, G. 217
 Niering, W. A., p. 24
 Nunnery, K. 139
 Oaks, W.R. 211.2
 Ojima, D. S. 14
 Olson, S.D. 176
 Ortiz, M. 211.3
 Owensby, C. E. 14
 Parker, P. E. 68
 Parkinson, D. 55
 Parsons, J. 51
 Paterson, C. 159
 Petersen, J., p. 158
 Pierce, G. 201
 Pierce, R.H. 170.3
 Plass, W. 96
 Platt, W. 141.2
 Platt, S. G. 24
 Pleasants, J.M. 133
 Podolsky, R. 192
 Poiani, K. A. 31
 Pollan, M. 119
 Pollowy, T.R. 210
 Polster, D. F. 97.4
 Ponder, H. G. 76
 Portnoy, J. W. 43.16
 Price, P.W. 168
 Prokes, J.A. 157.3
 Ray, G.J., p. 4, 145
 Reader, R.J. 149
 Redente, E.F. 179.1
 Reece, W. M. 50
 Rees, N. 65
 Reinert, M. K. 106
 Rieger, J. p. 52
 Roberts, T.H. 170.2
 Rochefort, R.M., p. 120
 Rodrigues, K. A. 75
 Rogers-Martinez, D., p. 64
 Rohlf, D. J. 120
 Roman, C. T. 43.16
 Rosenthal, M.W. 131
 Roundy, B.A. 56, 214
 Ruyle, G. 212.1
 Sacchi, C.F. 168
 Sauer, L. 150
 Sayen, J. 218
 Schimel, D. S. 14
 Schoenholtz, S. H. 98
 Schultz, K.M. 179.3
 Scott, B., p. 51
 Sedgwick, J. A. 41
 Seigel, R. A. 104
 Sharpe, D. M. 15
 Shear, T. 139
 Siccama, T.G., p. 158
 Simenstad, C. A. 43.2
 Skeet, W. 211.3
 Slagle, K. 20
 Smith, K.D. 1, 198
 Smith, S.C. 211.4
 Smith, R.B. 142
 Smith, R.E.N. 17
 Snyder, K. M. 7.3
 Snyder, T.A. 175
 Sollenberger, D. 3
 Sparks, Richard M., p. 39
 Sparks, Ruth M., p. 39
 Sprugel, D. G. 77
 Starr, D. 134
 Stearns, G. 15
 Steller, D. L. 43.17
 Stephenson, D.E. 195
 Steuter, A. A., p. 45
 Stevens, W. K. 32, 33
 Stevenson, J. C. 43.12
 Steyer, G.D. 157.4
 Stoltzfus, D.L. 157.5
 Stout, J. P. 43.18
 Streng, D.R. 141.2
 Stritzke, J.F. 122.2
 Sullivan, J. 48.3
 Sutter, G. 37.2
 Swanson, R.G. 160
 Swift, C.C. 135
 Sylvia, D. M. 44.1
 Tamborski, C. 189
 Tanner, M. J., p. 14
 Teas, H.J. 170.3
 Teresa, S. 112
 Thayer, G. W. 43.19
 Thom, R. M. 43.14, 46
 Thomas, J.M., p. 169
 Thomas, L. 18
 Thorpe, M. B. 97.5
 Thorsen, R. M. 34
 Tiller, R. L. 37.5
 Tiltan, D.L. 153
 Todd, J. 200
 Tollefson, R. E. 37.5
 Truman, C. C. 42
 Turner, F. p. 70
 Turner, R., p. 177
 Tusting, B.L., p. 158
 Tyser, R.W. 190
 Umbanhower, C.E. Jr. 136
 Upadhyaya, D. 51
 Van Auken, O.W. 19, 123.1
 van der Valk 36.1
 Visser, S. 55
 Vogt, D.J., p. 158
 Vogt, K.A., p. 158
 Vora, R.S., p. 150
 Waldrop, T.A. 140.3
 Ward, L. E. 7.4
 Warren, S. L. 50
 Webb, N. R. 17
 Wedin, D.A., p. 137
 Welling, C. H. 69
 Wenny, D. L. 52
 Wetstein, L. 194
 Whalen, C.J. 191
 Whicker, A. D. 10
 White, D.L. 140.3
 Whiteaker, L.D. 157.2
 Whitfield, P. E. 43.10
 Whitney, W.S. 5, 202
 Widtman, Z. W. 97.3
 Wilcox, D.A. 163.1
 Wilhelm, G. 194
 Wilkinson, B. 37.6
 Williams, E.D. 211.4
 Williams, M. C., p. 38
 Williams, P. L. 37.4
 Willson, G. 61
 Wilson, J. B. 72

Wilson, M. Griswold 20
 Wilson, M.V. 219
 Windus, J.L. 175
 Winkel, V. K. 56
 Wolter, P. B. 25
 Wood, M.K. 211.3
 Woodhouse, J. M. 57
 Woodliffe, A. 138
 Woodson, B.D. 193
 Worley, C.A. 190
 Yang, S. M. 62.3
 York, A. K. 78
 Youtie, B. A. 6
 Zahner, R. 151
 Zedler, J. B. 43.8
 Zentner, J., p. 113
 Zhang, J. 58
 Zuberer, D. A. 101

Alnus incana, pp. 134, 135
Alnus oregana, p. 69
Alnus sinuata 20
 alpine grasses, breeding of 98.2
 alpine plants, greenhouse propagation of, pp. 125-126
 alpine restoration, cost of, p. 126
 alpine restoration, use of helicopters in, p. 126
Altissima plantago 152
Amaranthus spp. 77
Ambrosia psilostachya, effect of bison activity on 7.4
 AMC Wetlands Centre 211.1
 American Society for Surface Mining and Reclamation 97
 Amerindians, use of native plants and animals, pp. 5, 65-66
Amorpha canescens 4, 7.4, 193
Ampelopsis arborea 178.1
 amphibians, relocation and translocation of 105, 106, 107
 amphibians, colonization of restored wetlands 153
 Amrine, James 110
An Evaluation of Historical Attempts to Establish Emergent Vegetation in Marine Wetlands in Florida 87
 Anderson, Roger, p. 128
 Andropogon Associates 29, 161
Andropogon gerardi 1, 4, 5, 14, 193
Andropogon scoparius 175, 176, 193
Andropogon tenarius 148
Andropogon virginicus 148
Anemone occidentalis, p. 121
 animals, role of in restoration of Rio Grande Valley, p. 156
 ant species diversity, effect of fire on 79
Antennaria microphylla 62.1
Anthus spinaletta 152
Anus discors 152
 aquatic macrophytes, sampling 166
Arctostaphylos spp., p. 66
Arctostaphylos spp. 141.1
Argusia gnaphalodes 187
 arid lands, desertification of, pp. 56-58
 arid lands, effects of farming on, p. 57
 arid lands, effects of mining on, p. 57
 arid land, rehabilitation of 89
 arid land, restoration of 100
Arisaema triphyllum 149
Aristida spiciformis 148
Aristida stricta 141.2, 148
 Army Corps of Engineers 161
Artemisia arbuscula 179.3
Artemisia tridentata 179.3
Arundinaria gigantea 24, 174
Aster alpigenus, p. 121
Aster ericoides, effect of bison activity on 7.4
Aster ledophyllus, p. 125
Aster patens 176
Aster shortii 176
Aster simplex 60
Aster spp. 5
Aster undulatus 176
Atriplex canescens 211.2, 214
Atriplex confertifolia 211.2
Atriplex polycarpa, p. 58
 Au Sable Institute of Environmental Studies, p. 173
 Augustine, Margaret, p. 167
 Australia, revegetation in 92
 autonomous consciousness, and value judgements, pp. 173-174
Avena spp., p. 57
Baccharis glutinosa 37.5

Baccharis halimifolia 178.1
Baccharis neglecta, establishment of 19
Baileya multiradiata 48.3
 Baines, Chris 86
 Bakhtin, Mikhail, p. 179
 Bakker, Jan, pp. 140-141
 Baldcypress, development of salt-tolerant seedlings 155
Balsamorhiza careyana, transplanting of 6
Baptisia leucantha 1, 4, 176
Baptisia leucophea 193
Baptisia tinctoria, p. 25
 barrens 176
 Bass, Edward P., p. 167
 batha, p. 148
 Bauder, Ellen T. 89
 Bellah, Robert, and the idea of "civil religion", pp. 171-172
 Bengson, Stuart 214
 benign neglect management, Appalachian forests and 151
 Berendse, Frank, p. 141
 Berger, John 201
 Best, Chris, pp. 150, 155
Betula pubescens, p. 135
 Betz, Robert 9
 Biblical tradition, restoration and, p. 172
 Big Open Project, pp. 51-52
 bioengineering, methods of 29, 35, 43.17, 161
Bioengineering for Land Reclamation and Conservation 201
Biological Diversity on Federal Lands: Report of a Keystone Policy Dialogue 85
 Biological Pollution Conference 110
Biological Habitat Reconstruction 81
 biosphere level function, p. 161
 Biosphere 2, pp. 158-168; 200
 biotechnological techniques 201
 birds, extirpation of 190
 biscuit scabland 6
 Bivin, Mignonne, p. 121
Bothriochloa spp., p. 56
 bottomland hardwood ecosystems 82, 139
Bouteloua curtipendula 4, 56, 175
Bouteloua eripoda 211.2
Bouteloua gracilis, p. 58
Bouteloua regidiseta 53
 Boyce, Mark S. 84
 Boyle, Robert, p. 139
 Braaten, Anne, p. 122
 Bradshaw, Anthony, p. 160
 branch layering 161
 Brandt, Karla 88
Brassica nigra, p. 145
 Brecksville Nature Center 198
 British Institute of Grassland and Environmental Research, p. 142
Brodiaea spp., p. 66
Bromus carinatus 103, 179.3
Bromus inermis 182.1
Bromus inermis spp. *inermis* 190
Bromus rubens 100
Bromus spp., p. 57; 4
Bromus tectorum, p. 57
 Bronx Council for Environmental Quality, p. 15
 Bronx River, restoration of, pp. 14-16
 brood parasitism 162
 Brown, Becky, p. 7
 Brown, James 84
 Brown, Jerry, p. 61
 Brown, Val, p. 139

Volume 10 Subject Index

A Landowner's Guide: Conservation of Canadian Prairie Grasslands 94
A Guide to Habitat Creation 86
A Pattern Language, p. 115
 Abbey, Ed, p. 111
Abies alba, p. 148
Abies balsamea, p. 24
Abies lasiocarpa, p. 120
 Abstracts of the 43rd Annual Meeting of Botanical Society of America, p. 181
 Abstracts of California Riparian Systems III: Progress in Protection and Restoration, p. 75
 Abstracts of the 11th International Estuarine Research Conference, p. 75
 Abstracts of the Annual Meeting of the American Institute of Biological Sciences with other affiliated societies and the Sociedad Botanica de Mexico, p. 75
Acacia rigidula, p. 152
Acacia smallii, p. 151
Acacia wrightii, p. 152
Acer negundo 193
Acer platanoides, p. 25
Acer rubrum 23, 176, 178.1, 198
Acer saccharum, pp. 24, 128; 198
Acer saccharinum 143
Achillea lanulosa 47
 acid scarification, use of 48.1, 51
 Adamus, Paul R. 88
Adenostoma fasciculatum 141.1
 Adey, Walter 200
Agropyron repens, p. 142
Agropyron spicatum 6
Agropyron spp., p. 56
Agropyron trachycaulum 98.2, 179.3
Agropyron smithii 211.2
Agrostis alba, p. 22
Agrostis spp., p. 68; 4
 Aguilar, Richard 196
 Alexander, Chris, p. 115
Alisma plantago-aquatica 25
Allaria petiolata 110
 Allen, John, p. 167
 Allen, Michael 80
Allium spp., p. 66
Alnus crispa 167
Alnus glutinosa, pp. 134, 135

- Buchloe dactyloides* 53
 Buckley, G. P. 81
 Budd, Karen 84
 Buehler, Doug, pp. 121, 123
 Buffalo Commons, p. 45; 202
 Cairns, John, Jr. 47
Calamagrostis nootkanensis, p. 68
 Caledon, forest of, pp. 132-136
 California clapper rail 172
 California Coastal Conservancy, p. 54; 172
 California Environmental Quality Act, p. 146
 California Department of Parks and Recreation, p. 67
 California Department of Transportation, p. 54
 California Department of Water Resources, pp. 54-55
 California grasslands, grazing and, 11, 127, 132
 California rivers, effects of European settlement on, p. 53
Calluna vulgaris, p. 141
Calochortus spp., p. 66
 Campbell, Faith 110
 campsites, reconstruction and revegetation of 20
 Cap Sauer's Holding, pp. 127-130
 Cape Cod, coastal grasslands of, p. 117
 Cape Cod National Seashore 43.16
Capella gallinago 152
 capillary beds, storage of woody plants in 20
Carex augustata, effect of water table levels on 8
Carex barbara, p. 66
Carex lacustris 161
Carex lyngbyei, p. 22
Carex nebrascensis, effect of water table levels on 8
Carex nigricans, pp. 121, 125
Carex rostrata 161
Carex spectabilis, pp. 121, 125
Carex spp., p. 125; 152, 176, 213
Carex trichocarpa 25
 Caribbean Conservation Association, p. 7
 Caribbean forests, pp. 4-13
 Carney, Mike, p. 121
Carya spp. 4
 Cascade Head Scenic-Research Area, p. 21
 Cascades National Park, p. 124
Cassia fasciculata 4
Cassia obtusifolia 77
Cassiope mertensiana, pp. 120, 125
Castanea dentata, p. 25
Castilleja indivisa 48.2
Castilleja spp., p. 121
 Caucasian bluestem, concern about 186
Ceanothus americanus 4
Ceanothus spp., pp. 66, 68; 141.1
Cedrus atlantica, p. 148
Celastrus orbiculatus, p. 25
Celastrus scandens, p. 25
Celtis laevigata, p. 152
Celtis pallida, p. 151
Cenchrus ciliaris, p. 156
Centaurea maculosa, p. 52, 190
 Center for Agrobiological Research, p. 141
 Center for Natural Lands Management 113
 Center for Plant Conservation 177, 208
 Central Arizona Project Canal 214
Cephalanthus occidentalis 178.1
Cerastium spp., p. 139
Cercidium texanum, p. 152
 Cevenne, chestnut forests of, p. 144
 chalk grasslands, loss of in Britain, p. 139
Chamaecyparis thyoides, p. 27; 24
 Champion International Corporation 152
 chaparral shrub species 141.1
 chaparral annual species 135
 chaparral, p. 148
 Charles Sauriol Carolinian Forest 143
 Chase, Alton 84
 Chesapeake Bay, effect of sea-level rise on 43.12
 chestnut blight, p. 25
 Chicago 95
 Chicago Botanical Garden 3, 199
Cirsium dissectum, p. 137
Cirsium edule, p. 125
 Civilian Conservation Corps, p. 121; 218
 clearcutting, argument against 151
 Clebasch, Edward 22
 coastal sage scrub, pp. 148, 149
 coastal sage shrub, relationship between fire and bird density in 142
 Coastal Wetlands Conservation and Restoration Plan in Louisiana 157.4
 Coastal Wetlands Planning, Protection and Restoration Act 169
Coccyzus americanus, habitat size required for 37.3
 Columbia River Gorge National Scenic Area 6
 Columbia Gorge Commission 6
 Columbus, Christopher pp. 3, 4-5, 72-74
 comunidades, p. 178
 community, restoration and p. 112
 community, as defined in an ecojustice system, p. 174
 computer programs 192, 194
 Conkling, Philip 192
 Connecticut College Arboretum, p. 25
 Conover, Dr. Denis 152
 constructing ecosystems, heuristic value of, p. 160
Convolvulus arvensis 181
Coposma spp. 213
Cordylanthus maritimus, requirements of 43.8
Cordylanthus palmatus, identifying reintroduction sites for 104
Cordyline spp. 213
Coreopsis tripteris 4
Cornus amomum 35
Cornus canadensis, p. 125
Cornus florida 176
Cornus spp., p. 129
Cornus stolonifera 35
Cortaderia jubata 103
Cortaderia selloana, p. 66
Corylus avellana, p. 135
 Costa Rica National Biodiversity Institute, p. 10
Cotula coronopifolia, p. 22
 cowbirds, trapping of 162
 Cowles, Henry, p. 128
 Cox, Dr. Jerry 214
 Coyote Valley Reservation, p. 67
Crataegus monogyna, p. 135
Crataegus spp., p. 129
 creek restoration, funding of 38, 164
 Crewz, David W. 87
 Crisman, Tom 110
 Croal, Dianne, p. 123
 crofters, agricultural economy of, p. 134
 Cronon, William 95
 Crow Tribe, p. 48
Cupaniopsis anacardioides 63
 Curtis, John, p. 128; 137
 Curtiss Prairie, soil studies on, p. 37
Cynara cardunculus, p. 146
Cyndon datylon 77
Cyperus esculentus 77
 cypress-tupelo swamp 155
Cypripedium spp. 22
Cystisus scoparius 65
Dactylis glomeratus 81
Dactylorhiza majalis, p. 141
 Dadey, Ed 5
Dalea leporina 5
Danthonia pilosa, p. 68
Danthonia spp., p. 68
 Darby, John T. 213
 Davis, Christopher, p. 125
Daylighting the Woods 59
Delphinium spp. 47
 Denali National Park 167
 Dengler, Bill, p. 123
Deschampsia atropurpurea, p. 125
Deschampsia caespitosa, effect of water table levels on 8
 Desert Restoration Group, meeting of 214
Desmanthus spp. 5
 DeWitt, Calvin, p. 131
 Diamonds Oaks Vocational High School 152
Diospyros texana, p. 155
Dipsacus laciniatus 110
Dipsacus sylvestris 110
Distichlis spicata, p. 22; 104
 disturbed lands, value of, pp. 146-147
 diversity and similarity indices, use and value 156.1
 Downing, Fred "Coyote", p. 66
 Drea, John 110
 dredge material, use of 43.14
Drosera rotundifolia 175
 dry forests of Virgin Islands National Park 145
 Duartbeg Tree Nursery, p. 136
 Dutch Agricultural University at Wageningen, p. 137
 Dvorak, Dave 1
Dynamic Aquaria: Building Living Ecosystems 200
 earthen mounds in a mixed prairie, revegetation of 136
 Earthkeeping, pp. 7, 74
 Eastern Caribbean Natural Areas Management Program, p. 7
 eastern deciduous forest 150
Echinacea angustifolia 7.3
Echinacea pallida 4, 7.3
Echinacea tennesseensis 7.3
Echinoclea crus-galli 152
 ecojustice, as a matter of stewardship, pp. 173-175
Ecological Processes and Cumulative Impacts Illustrated by Bottomland Hardwood Wetland Ecosystems 82
Ecological Economics: The Journal of the International Society for Ecological Economics 90
 Ecological Society of America 203
 Ecologic Limited 195
 ecology and Native American culture, integration of, p. 69
 ecosystem variability, disturbance and equilibrium and 78
 ecosystem construction, criteria for evaluation of, pp. 161-167
Ecotones: The Role of Landscape Boundaries in the Management and Restoration of Changing Environments 203
 ecotourism, pp. 7, 9, 12
 ecotypes, consideration of, 114
Ehretia anacua, p. 155
 Eiseley, Loren, p. 111
Elaeagnus commutata, mycorrhizal fungi and 55
Elaeagnus umbellata, p. 25; 182.1

- Eleocharis macrostachya* 171
Eleocharis rostellata 194
 Elmore, Bob, p. 121
Elodea canadensis 161
Elymus glaucus, p. 125; 103
 Emerson, Ralph Waldo, p. 111
Emmenanthe penduliflora 135
Empetrum nigrum, p. 125
 Endangered Species Act, failings of 121
Energy, Power, and Society 200
 Environmental Concern, Inc. 23, 30
 Environmental Management Program for the Upper Mississippi System, pp. 43-44
 Environmental Research Lab—University of Arizona, p. 167
Epicrates monensis, reintroduction of p. 7
Equisetum arvense 195
Equisetum x ferrisii 195
Equisetum laevigatum 195
Equisetum x trachydion 195
Eragrostis lehmanniana x E. trichophora 56
Eragrostis spp., p. 56
Erechtites arguta, p. 66
Erechtites hieracifolia 176
Erica tetralix, p. 141
Erigeron spp. 4
Eriogonum latifolium 103
Eriophyllum lanatum 6
 erosion control blankets 72
Eryngium yuccifolium 4, 176
Erythronium spp., p. 125
Eschscholtzia californica 48.3
Eschscholtzia californica spp. *mexicana* 48.3
 estuary habitat mitigation, politics of 43.2
Eupatorium fistulosum 152
Eupatorium maculatum 25
Eupatorium rugosum 176
Euphorbia esula, control of, p. 36; 62.1, 62.2, 62.3, 66, 69, 181
 European & North American grasslands, comparison of, pp. 137-143
 Everglades National Park 157.2
 evolution and insularity, question of, p. 12
 Ewel, John, p. 161
 exotic plant species, arid grasslands and, p. 57
 exotic plant species, control of, pp. 25-26
 exotic plant species 182.1-191
 exotic plants, as back-up habitat for wildlife, p. 146
Exotica 110
 exotics species, Great Lakes and, pp. 31-32
Experience of Place, pp. 113-115
 Exxon Valdez oil spill clean-up, agency assessment of 101
Fagus grandifolia p. 24; 198
Farming in Nature's Image: An Ecological Approach to Agriculture 96
 fascines 161
 federal legislation, restoration and 111
Felis pardalis, p. 151
Felis yagouaroundi, p. 151
 fen prairie, construction of 3
 fens 175
 Fermilab, p. 34
 Ferren, Wayne 165
 festival, elements of, p. 178
Festuca idahoensis 6
Festuca ovina, p. 139
Festuca spp., p. 68; 4
Festuca viridula, pp. 121, 125
 Fiber-Schines 161
Filipendula rubra 152, 175, 180
 fire management 129, 132
 fire, role of in Rio Grande Valley ecosystems, p. 156
 fire breaks, clearing with leaf blowers 197
Fire and the Environment: Ecological and Cultural Perspectives: Proceedings of an International Symposium, p. 181
 FIREMAP 140.1
 fish, colonization of restored wetlands 153
Florida Aquatic Plant Locator 205
 Florida Department of Agriculture and Consumer Services 205
 Floristic Quality Index 194
 Fordyce, Ann 177
 forest herbs, response to partial canopy removal 149
 Forest Preserve District of Cook County, p. 127; 199
 Forest Preserve District of DuPage County 194
 fosamine 181
 Fowles, John, p. 131
Frankenia grandiflora var. *campestris* 104
Fraxinus americana, p. 129; 176
Fraxinus berlandierana, p. 152
Fraxinus caroliniana 178.1
Fraxinus excelsior, p. 135
Fraxinus pennsylvanica 23
 Frenzel, Richard, p. 123
 freshwater wetland creation, p. 27
 Fries, Mary, p. 125
 Fritzke, Sue, pp. 121, 123
 Frost, Robert, p. 111
 fynbos, p. 149
 Gaia Institute, p. 15
 GAIA (Geographic Access and Image Analysis) 192
Gaillardia pulchella 48.3
 Garbisch, Ed 30
 garrigue, p. 144
Gathering the Desert, p. 179
 gel-forming polymers, use of in droughty soils 57, 214
Gelsemium sempervirens 178.1
 genetic engineering, restoration of neotropics and, p. 11
Gentiana puberulenta 4
 geographic information systems, p. 122
Geranium bicknellii 199
Geranium purpureum 152
 Gibbons, Steve, p. 121
 Gibson, Charlie, p. 139
 Gienger, Richard, p. 66
 Giere, Meredith 1
 Gillespie, JoAnn 25
 Glacier National Park 190
 Gleason, Henry, pp. 127, 131
 global warming, planning response to 119
Gnaphalium purpureum, p. 117
 Golden Gate National Recreation Area 103
 Gosselink, James G. 82
 Governor Tom McCall Preserve 6
 Grand Randonee trail system, p. 148
 Grand Teton National Park 179.1, 179.3
Gratiola virginiana 152
 gravel hill prairie, construction of 3
 grazing, grasslands and 124, 129, 132
 Great Lakes, management of 163.1
 Great Lakes, remedial action plans for, pp. 30-32
 Great Lakes Fishery Commission, p. 31
 Great Plains, pp. 45-52
 Green Bay rehabilitation plan, pp. 31-32
 Greene Prairie, pp. 36-37
 Greene, Henry, p. 36
 Greenhouse Handbook, p. 125
 Griffin, Pam, pp. 124, 125
 ground-penetrating radar, use of in lake restoration 42
 Growback '91 92
Grus canadensis 152
 Guse, Neal G., p. 121
Gutierrezia spp. 196
 habitat buffers, p. 146
 habitat corridors, p. 146
 habitat restoration 81, 212.1
 Hackensack Meadowlands, p. 27
 Haggard, Richard, p. 142
Halodule spp. 43.5
Halodule wrightii 43.9
 Hamilton County Park District 152
 Hamilton County Soil and Water Conservation District 152
 Hanbey, Russell 204
 "Hands-on Science Along the Bronx River", p. 16
 hardwood cuttings, propagation of 20
 Hargrove, Eugene, p. 127
 Harmel, Donnie 124
 Harty, Fran 110
 heather, fire management of, p. 134
 heathland, air pollution and, p. 141
 heathland, establishment of 17
Hebe spp. 213
Helenium autumnale 60
Helianthus spp. 5
Helianthus divaricatus 176
 Hempstead Plains, reintroduction of fire to, p. 25
 herbaceous plant rolls 161
 herbaceous understories, recovery of after clearcutting 147
Heterostera tasmanica, effects of nutrients on 43.3
Hibiscus grandiflorus 178.1
Hibiscus moscheutos 178.1
Hierchloe odorata, ceremonial use of, p. 39
 Higgs, Eric p. 115
 high-altitude meadows, pp. 120-126
 Hight, Stephen 110
Hilaria jamesii 211.2
 Hiss, Tony, pp. 113-115
 historical restoration, critique of, p. 131
 Hodges, Carl 200
Holcus lanatus, pp. 22, 68
 Holland, Majorie M. 203
 Holland, plant species loss in, pp. 137-138
Holodiscus discolor 6
 Hoosier National Forest 176
Hordeum brachyantherum, p. 68; 103
Hordeum geniculatum 104
Hordeum spp., p. 57
 horse grazing, effects on prairie of 1
 horses, damage to alpine meadow trails by, p. 121
 Hunter, Charles D. 206
 Hunter, Priscilla, p. 67
 hydroseeding 214
Hyla crucifer crucifer 152
Ilex aquifolium, p. 135
 Illinois, program to control exotics in, 110
Impacts on Quality of Inland Wetlands of the United States: A Survey of Indicators, Techniques, and Applications of Community Level Biomonitoring Data 88
Imperata cylindrica 185
 Indian River Lagoon System 26
 Indiana Department of Natural Resources 176
 individualism, nature and, p. 111
 Institute of Grassland and Environmental Research, p. 138

- Intermediate School 167, pp. 15-17
 International Indian Treaty Council, p. 67
 International Joint Commission, pp. 31-32
 Intertribal Wilderness Council, pp. 64-69
 invertebrates, colonization of restored wetlands 153
Investigations Into Midwest Native Plants: A Directory of Academic Research and Expertise 207
 Island Institute 192
 Island Resources Foundation, p. 7
 Isle Martin, Scotland, p. 132
Jacquemontia tamnifolia 77
 James, Dan 214
 Johnson, Darryl, p. 122
 Johnson, Sharon 93
 Joliet, Louise, pp. 33, 40
 Jordan III, William, p. 158
Juglans cinerea 144
Juncus effusus, p. 134
Juncus spp., p. 141
Juniperus ashei 122.2
Juniperus osteosperma, transplanting of 211.3
Juniperus virginiana 122.2
 Katz, Eric, pp. 113-114, 171, 173
 Keiter, Robert B. 84
 Keller, Edward 165
 Kentucky Transportation Cabinet 174
 Kentula, Mary, p. 19
 Kern River Preserve, p. 54
 Kirschner, Rick, pp. 121, 123
 Krenite 181
 Kusler, Jon, p. 19
 Laguna Atascosa National Wildlife Refuge, p. 151
 lake acidification, p. 27
 Lalas, Chris 213
 Lampa, Wayne 194
 land imprinting 89
 land development, mitigation of 113
 Land Institute p. 177; 96
Land and Water: The Magazine of Natural Resource Management and Restoration 209
 Landsat 192
 landscape architects, exotic plants and 182.1
 landscape fabrics, evaluation of 77
 Langis, Rene p. 114
Lapidium virginicum 194
 large-scale prairie restoration 5
 Larigauderie, Anne 89
Larix decidua, p. 148
Larix occidentalis 52
Larrea tridentata, p. 58
Learning to Listen to the Land 83
 least Bell's vireo, restoration of habitat for, p. 54; 212.1
 Lee, Lyndon C. 82
 Lee Vining Creek 37.1
 Leopold, Aldo, p. 111, 115
 Leopold Report, problems with, p. 116
Lepomis macrochirus 153
Lespedeza intermedia 176
Lespedeza repens 176
Lespedeza virginica 176
Lesquerella gordonii 48.3
 Lester, Bill, p. 125
Leucaena pulverulenta, p. 152
Leucothoe racemosa 178.1
 Lewis, Roy R., III, p. 114; 87
Liatis aspera 4, 176
Liatis spicata 152, 176
Liatis squarrosa 176
 lichens, and British Columbia grasslands 130
 light-footed clapper rail, 108
Ligustrum sinense 178.1
Linaria vulgaris 190
Linum lewisii 47
Liquidambar styraciflua 178.1
Liriodendron tulipifera 178.1
 Little, Charles, p. 45
 live stakes 161
 Living Machine 200
 Lockhart, William 84
Lolium perenne, p. 139
Long Walks in France, p. 148
 longleaf pine forest, groundcover of 148
 longleaf pine savannas, evaluating pyrogenicity of 141.2
Lonicera japonica, p. 25
Lonicera mackii 175
Lonicera morrowii 175
Lonicera spp., p. 25
Lonicera tatarica 193
 Los Angeles River, p. 55
Lotus corniculatus 190
 Loveland, Karen 200
 Lower Rio Grande Valley, pp. 150-157
Ludwigia peruviana 178.1
Luetkea pectinata, p. 125
 Luken, James 110
 Luper, Lloyd 110
Lupinus albifrons 103
Lupinus argenteus 47
Lupinus formosus 103
Lupinus latifolius, pp. 121, 125; 6
Lupinus sparsiflorus 48.1
Lupinus Texensis 51
Lupinus variicolor 103
 Luquillo National Forest, p. 7
Lygodium japonicum 184, 185
Lygopodium microphyllum 189
Lyonia ligustrina 178.1
Lyonia lucida 178.1
Lythrum salicaria 67, 70, 110, 182.1, 195
 Mack, Richard 110
Maclura pomifera 18
Maianthemum canadense 149
 maintenance, as ethical framework for restoration, p. 114
 Manne, Rob 214
 maquis, p. 144
 Marquette, Father Jacques, pp. 33, 40
 Martha's Vineyard, coastal grasslands of, p. 117
 Massachusetts Audubon Society, pp. 116-118
 Matthews, Anne 202
 Mattole watershed restoration, pp. 60-63
 matorial, p. 148
 McHenry County Conservation District 193
 McKibben, Bill, p. 149
 McLarney, William 200
 Mech, David 84
 Mediterranean basin, ecological degradation of, p. 148
 Mediterranean Europe and California shrublands, comparison of, pp. 144-149
Megadyptes antipodes 213
Melaleuca quinquenervia 64
Melica spectabilis 179.3
Melilotus alba 176, 181
Melilotus officinalis 176, 190
Mesembryanthemum crystallinum, p. 146
 Miller, Joseph, p. 125
 Miller, Margaret, p. 125
 Milwaukee River 35
Mimosa pigra, p. 152
 mine reclamation 98.1, 98.3, 98.4, 98.5, 99
 mine reclamation database 97
 mine spoils, microbial recovery in 102
 Minello, Tom, p. 20
 Ministry of Agriculture and Fisheries 213
 Minnesota Department of Natural Resources 183
 Mississippi River, pp. 39-44
 Mitchell, Diane, p. 22
 mixed-grass prairie, effect of bison and prairie dogs on 10
 Moeraki Penguin Sanctuary 213
Molathrus ater 162
Molinia caerulea, p. 137
Monarda spp. 4
 Mono Lake 37.1
 Morison, Samuel Eliot, p. 3
 Morton Arboretum 131, 194
Morus rubra 178.1
 Mountain Rainer National Park, p. 120
 Muick, Pamela C. 93
 Muir, John, p. 111
 Muir, Thomas A. 82
 multi-successional landscapes, value of, p. 146
Mustela nigrans, p. 51
 mycorrhizae, effect of fire on patch dynamics of 140.2
 mycorrhizal associations, ecology of 80
 mycorrhizal inoculum potential, effect of burning on 7.1
Myoporum leatum 213
 myths of origin, restoration and, p. 171
 Nabhan, Gary Paul, p. 179
 Naiman, Robert J. 203
 Nantucket Island, coastal grasslands of, p. 117
 National Association of Conservation Districts 27
 National Environmental Policy Act, p. 146
 National Marine Fisheries Service 169
 National Oceanic and Atmospheric Administration 43.12, 169
 National Research Council 33
 Native Americans, ecological restoration and, pp. 48-50, 64-69
 Native American hierarchy of life, p. 49
 Native Plant Project, p. 151
 Native Seeds/SEARCH, p. 177
 native, meaning of 219
 natural fire barriers, effects on pre-settlement vegetation 15
 natural, definition of, pp. 113-114, 149
 natural forest regeneration, pp. 135-136, 151
 Natural Resources Defense Council 110
 natural succession, in Rio Grande Valley ecosystems, pp. 155-156
Nature's Metropolis: Chicago and the Great West 95
 Nellis, David, p. 7
 Nelson, Mark, p. 167
 neotropics, restoration biology in, pp. 9-12
 nesting sites, creation of 213
 New Alchemy Institute 200
 New England, forests of, pp. 24-26
 New World preservationists, philosophy of public land use, p. 146
 New York Botanical Gardens, p. 167
 New York City, ecological restoration in, pp. 14-17
 New York Zoological and Botanical Gardens, pp. 15, 26
 New Zealand Department of Conservation 213
News from Native California, p. 67
 Niobrara Valley, p. 46

- nitrogen, species composition of wet meadows and, pp. 140-141
- nitrogen utilization strategies of 135
- Noah's ark, as symbol of renewal and restoration, p. 172
- North Branch Prairie Project 199
- Northern Cascades National Park Restoration Program, p. 125
- Norway, forest ecosystems of, p. 134
- Noss, Reed, p. 131
- Nothoscordum bivalve* 175
- Nutrilink, use of 48.2
- Nuzzo, Vicki 110
- Nyssa sylvatica* 24, 143, 176
- Nyssa* spp. 155
- O'Toole, Randal 84
- oak openings, information sought about 2
- oak wilt disease, environmental management of 146
- oak-hickory forest 175
- Oaks of California* 93
- Oakland-Berkeley Hills fire, 76
- Ocean Arks International 200
- Odum, H. T. 200
- Oenothera speciosa* 48.2
- off-trail hikers, sociological studies of, pp. 122-123
- Ohio Department of Natural Resources-Division of Wildlife 152
- Ojibway Tribe, p. 38
- old field, colonization of 74
- Oleria* spp. 213
- Oloff, Han, pp. 140-141
- Olson, Garry, pp. 121, 123
- Olympic National Park, p. 124
- On-Site Restoration Methods for Mountainous Areas of the West* 204
- Onosmodium molle* 49
- Oplopanax horridum* 20
- Opuntia lindheimeri*, p. 151
- Orchis mascula*, p. 139
- Oregon Road Council 6
- Oregon State Parks 6
- origin-bound consciousness, value judgements and, pp. 173-174
- Orthocarpus purpurascens* 48.1, 48.3
- Oryzopsis hymenoides* 211.2
- Ottawa Tribe, p. 38
- Ouray Ute Tribe, p. 48
- Ovis canadensis*, p. 51
- Oxalis stricta* 154
- Oxalis violacea* 199
- Pacific Estuarine Laboratory, p. 114
- Packard, Steve, pp. 113, 127, 131, 149
- Pakula, Lisa, p. 121
- Palos/Sag Project, p. 127
- palustrine forested wetland, creation 158
- Panicum antidotaleana* 56
- Panicum hemitomon* 171
- Panicum* spp. 5
- Panicum virgatum* 7.2, 14, 58, 193
- Panzer, Ron 9
- Paradise Meadows, pp. 120-121
- Parkinsonia aculeata*, p. 151
- Paspalum plicatulum* 123.1
- Pavlik, Bruce M. 93
- Pedicularis canadensis* 4
- Penstemon baccharifolius* 48.2
- Penstemon digitalis* 1
- Penstemon strictus* 211.2
- performance art, restoration as, pp. 177-180; 59
- Persea borbonia* 178.1
- Petalostemum candidum* 4, 193
- Petalostemum purpureum* 4, 193
- Phacelia brachyloba* 135
- Phacelia californica* 103
- Phacelia campanularia* 48.1, 48.3
- Phacelia minor* 135
- Phalaris arundinacea*, p. 36; 25, 60, 182.1
- Philadelphus lewisii* 6
- Phleum alpinum*, p. 125
- Phleum pratense* 190
- Phlox diffusa*, p. 125
- Phlox divaricata* 199
- Phlox pilosa* 4
- Phormium tenax* 213
- Phragmites australis*, p. 27
- phygana, p. 148
- Phylodoce empetriformes*, pp. 120, 125
- Phylodoce glanduliflora*, pp. 120, 125
- Phylloscopus trochilus*, p. 135
- Picea abies*, p. 148
- Picea rubens*, p. 24
- Picea sitchensis*, mycorrhizal fungi and 54
- pinyon and juniper trees, transplanting of 211.3
- Pinephales notatus* 153
- Pinephales promelas* 153
- Pinus edulis*, transplanting 211.3
- Pinus laricio*, p. 148
- Pinus palustris* 141.2, 148
- Pinus pinaster*, p. 148
- Pinus strobus*, p. 24; 176
- Pinus sylvestris*, pp. 133, 135, 136, 148
- Pinus uncinata*, p. 148
- Piper, Jon K. 96
- Pipestone National Monument 61
- Pisonia aculeata*, p. 152
- Pithecellobium flexicaule*, p. 151
- Plantago insularis* 214
- Planterose, Bernard, pp. 132-136
- Planterose, Emma, pp. 132-136
- Planterose, Sam, p. 135
- Plants of the Chicago Region* 194
- Platte River 5
- Platte River Whooping Crane Trust 5
- Plebejus icarioides missionensis*, habitat establishment for 103
- Poa alpina* 98.2
- Poa compressa* 190
- Poa pratensis*, p. 142; 8, 190
- Poa Sandbergii* 6
- Poa* spp., p. 68; 4, 213
- Podolsky, Richard 192
- Polygonatum pubescens* 149
- Polygonum* spp. 25
- Polytaenia nuttallii* 176
- Pontederia cordata* 153
- Popper, Deborah, p. 45; 202
- Popper, Frank, p. 45; 202
- Popper, Majorie 93
- Populus Fremontii* 37.2, 37.5
- Populus* spp. 20
- Potawatomi Tribe, p. 38
- Potentilla arguta* 4
- Potentilla flabellifolia*, p. 125
- Potentilla fructicosa* 175
- Potentilla pacifica*, p. 22
- prairie grass sod, creating a 53
- prairie continuum, reanalysis of 137
- prairies, mowing of, p. 142
- prairies, soil characteristics of 128
- prescribed burning 12, 21.1, 140.3, 193
- prescribed burning, Amerindian practice of pp. 38-39
- Primula veris*, p. 139
- Proceedings of the 8th National Meeting of the American Society of Surface Mine Reclamation, p. 181
- Proceedings of the 15th Annual British Columbia Mine Reclamation Symposium and the 16th Annual Canadian Land Reclamation Meeting, p. 75
- Proceedings of the 16th Annual Conference on Wetland Restoration and Creation, p. 181
- Proceedings of the 17th Annual Conference on Wetland Restoration and Creation, p. 181
- Proceedings of the 17th Tall Timbers Fire Ecology Conference, p. 181
- Proceedings of the Annual Meeting of the Leafy Spurge Task Force, p. 75
- Proceedings of the American Society of Landscape Architects Open Committee on Reclamation: Reclamation Visions and Realities, p. 181
- Proceedings of the American Society of Landscape Architects Open Committee on Recl: Reclamation Diversity, p. 181
- Proceedings of the Conference: Landscaping with Wildflowers and Native Plants, p. 75
- Prosopis glandulosa*, p. 151
- Prosopis juliflora*, p. 57
- Prunus avium*, p. 135
- Prunus ilicifolia* 141.1
- Prunus padus*, p. 135
- Prunus serotina*, p. 129, 193
- Prunus spinosa*, p. 135
- Pseudotsuga menziesii*, p. 148
- Psoralea psoraloides* 176
- Pteridium aquilinum*, p. 134; 181
- Public Brand Software 194
- public education 118
- Public Law 101-618 160
- public policy, restoration as 112
- Puccinellia pumila*, p. 22
- Puerto Rican parrot, reintroduction of p. 7
- Puritanism, p. 111
- Puuuhia tridentata* 179.3
- Quapaw Tribe, p. 40
- Quercus alba*, p. 25
- Quercus agrifolia*, p. 66
- Quercus dumosa* 141.1
- Quercus lobata* 37.2
- Quercus marilandica* 176
- Quercus nigra* 143
- Quercus petraea*, p. 135
- Quercus phellos* 178.1
- Quercus rubra*, pp. 25, 128
- Quercus* spp. 4
- Quercus stellata* 176
- Quercus velutina*, p. 25; 176
- Quercus wislizenii*, p. 66
- Ragins, Alan, p. 121
- Rainwater Basin Joint Venture 5
- Randall, John 110
- rangeland, use of sewage sludge on 196
- Rannunculus fascicularis* 175
- Ratibida columnifera*, effects of fire on 13
- Ratibida pinnata* 4
- Raup, Hugh, fire in New England forests, p. 24
- redwood, problems with regeneration of, pp. 68-69
- reed roll 161
- Reforesting Scotland, p. 136
- Regional Municipality of Waterloo 195
- Rehabilitation Success and Potential of Mojave and Colorado Desert Sites* 89
- rehabilitation of fire suppression impacts 211.4
- Report and Recommendations of the Interagency Exotic Species Task Force* 183

- reptiles, colonization of restored wetlands 153
 reptiles, relocation and translocation of 105, 106, 107
 restoration, compositional 193
 restoration, structural 193
 restoration biospherics, definition of, p. 161
 Restoration Ecology Program, North Carolina State University's 139
 restoration education, pp. 14-17
 restoration materials in alpine sites, transportation of, pp. 125-126
 restoration projects, visitor response to 198
 restoration success, assessment of 117
Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy 201
 restored Florida coastal marshes, habitat value 170.2
 restored landscapes, judging authenticity of p. 114
Rhamnus californica 141.1
Rhamnus cathartica 61
Rhamnus crocea 141.1
Rhamnus spp. 193
Rhizophora mangle, replanting after an oil spill 170.3
Rhododendron catawbiense 50
Rhododendron macrophyllum 20
Rhododendron maximum 50
Rhynchospora spp. 154
 Rieger, John, p. 114
 Rio Grande Valley National Wildlife Refuge, p. 150
 Rio Grande Valley, restoration cost of, pp. 152, 155
 Rio Grande River Valley plant species, proportion of, pp. 152-159
 riparian ecosystems, grazing and 41
 riparian ecosystems, birds and 37.4
 riparian restoration 161, 162, 203
 Ripple, William, p. 123
 Risser, Paul G. 203
 ritual tradition, pp. 177-180
 road and trail corridors, adjacent alien flora and 190
 road disturbances, restoration techniques for 179.1
 Roberts, Tom p. 20
 Rochefort, Regina, pp. 121, 123
 Rocky Mountain Biological Laboratory 47
Rorippa sessiliflora 152
Rosa canina, p. 135
Rosa multiflora, p. 25; 110, 193
Rosa nutkana 6
 Royal Botanical Gardens at Kew, p. 167
 Royal Society for the Protection of Birds, p. 135
Rudbeckia hirta 4
 Rulifson, Roger, p. 20
Sabal texana, p. 152
 sacrificial ritual, ecological restoration as, pp. 70-74
Sagittaria lancifolia 171
Sagittaria latifolia 25, 153
Salicornia subterminalis 104
Salicornia virginica, p. 22
 Salisbury Plain, p. 139
Salix alaxsensis 167
Salix caprea, p. 135
Salix caroliniana 178.1
Salix cinerea, p. 135
Salix exigua 35
Salix Hindsiana p. 66
Salix laevigata 37.5
Salix lasiolepis, survival of 168
Salix myricoides 175
Salix nigra, p. 152; 178.1, 210
Salix spp. 20, 154, 162
 Salmon River estuary, pp. 21-23
 Salt marsh harvest mouse 172
Sambucus canadensis 178.1
 San Jose Creek 165
 Sanctuary Reserve at Monastery Lake 25, 60
 sand prairie, construction of 3
Sanguisorba canadensis 152
 Santa Ana National Wildlife Refuge, p. 151
Sapindus drummondii, p. 156
Sapium sebiferum 63
Sassafras albidum 176
Sassafras spp. 143
 satellite imagery 192
 savanna, pp. 127-131, 175
 Sax, Joseph 84
Scaevola taccada var. *sericea* 187
Scaevola plumieri 187
 Schiechtel, Hugo 201
Schinus terebinthifolius 157.2
Schizachyrium scoparium, pp. 25, 142, 156; 4, 5, 7.1, 7.3, 123.1, 125, 148
 Schulenberg, Ray 9
 Schullery, Paul 84
 Schumacher, Robert, p. 151
 Schutt, Kathy 6
 Schwegman, John 144
Scirpus atrovirens 60
Scirpus fluviatilis 154
Scirpus lineatus 60
Scirpus olneyi 171
Scirpus validus 153
Scleria reticularis 148
Scleria spp. 176
 Scotland, reforestation of 91
 sea level rise, technical responses to, pp. 18, 20
 seagrass meadows, pp. 18-19
 seagrass restoration, functional assessment of 43.1, 43.9
 seagrass restoration, effect of current speed and fetch on 43.10
 seagrass restoration 170.1
 seaweed, use of as a fertilizer, p. 134
 sediment fences, use of 43.6, 43.17
 seed harvesting prototype, testing of 5
 seed bank studies, wetland mitigation and 154
 seedbanks, methods for seed inventories 75
Senecio jacobaea 68
 SERCAL 217
 serpentine grassland, California 126
 shame, human condition of, pp. 70-74
Shepherdia canadensis, mycorrhizal fungi and 55
 Sierra Nevada meadows 8
Silene virginica 199
Silphium integrifolium 176
Silphium lanciniatum 4, 133
Silphium terebinthinaceum 4
Silphium trifoliatum 176
 Silvertown, Jonathan, p. 140
 Sinkyone Indians, interaction with landscape by, pp. 65-67
 Sinkyone Intertribal Park Project, pp. 64-69
Sitanion hystrix, p. 125
 Slagle, Kevin 204
 slash pine flatwoods, prescribed burning and bird density in, 142
 Smart, Jane 81, 86
Smilacina racemosa 149
 Smithsonian Institution 200
 Smithsonian Marine Systems Laboratory, p. 167
 Society for Ecological Restoration pp. 7, 49, 65
 Soil Conservation Service Plant Materials Center, p. 125
 Soil Conservation Service Plant Materials Program 179.2, 179.3
 soil restoration, importance of, p. 134
 Solecki, Mary Kay 110
Solidago odora p. 25
Solidago ohioensis 152
Solidago rigida 4
Solidago speciosa 4
Solidago spp. 5
Sophora secundiflora, p. 156
Sorbus aucuparia, p. 135
Sorghastrum nutans 4, 5, 14, 148, 175, 176, 193
Sorghum halepense 77
Sorgium intermedia, p. 134
 Soule, Judith D. 96
 South Padre Island, p. 151
 Space Biosphere Ventures, p. 167
Spartina alterniflora 26, 43.19, 157.4, 170.2, 173
Spartina foliosa 108
Spartina pectinata 5, 60
Spartina spp., p. 27
Spergularia marina, p. 22
 Sphagnum wetland, artificial model 157.5
Sporobolus airoides 211.2
Sporobolus asper 5
Sporobolus cryptandrus 211.2
Sporobolus heterolepis 4
Sporobolus spp. 193
 SPOT 192
 St. Johns River Water Management District 26
 Stanely, Stephen 165
 Steinke, Tom, p. 27
Stellaria spp., p. 139
Stipa lemmonii, propagation of 6
Stipa pulchra, p. 68; 103, 127, 132
Stipa spp., p. 68
 Stoeltje, Beverly, p. 178
 stream and floodplain restoration 167
 streambanks, restoration of 35, 37.5, 37.6
 Stritch, Larry, p. 118
Suaeda fruticosa 104
 subalpine plant community, response of transplanting 47
 subalpine plants, greenhouse propagation of, pp. 125-126
 subalpine communities, p. 120
 successional restoration 4
Suppliers of Beneficial Organisms in North America 206
 sustainable agriculture, "naturalness" and, p. 142
 sustainable forestry, pp. 135-136
 Swearingen, Thomas, p. 122
 Swink, Floyd 9
Sylvia communis, p. 135
 synthetic ecology, p. 158
Syringodium filiforme 43.9
Syringodium spp. 43.5
 Taino Tribe p. 4
 tallgrass prairie pp. 33-39
 tallgrass prairies, seasonal burning of Loess Hills and 122.1
 tallgrass prairie, threats to, pp. 141-142
 Tallwin, Jerry, p. 138
 Tapia, Ricardo, p. 67
Taxodium distichum 23, 155, 157.1
 Teale, Edwin Way 34
 technology, appropriate use of 116
 technology, moral implications of, pp. 170-171, 174
 Tennessee Valley Authority 139
 terrestrial eutrophication, p. 139
Terrestrial Vegetation of California p. 68
 Texas Parks and Wildlife, p. 150
 Thacker, Gary 214

- Thalassia* spp. 43.5
Thalassia testudinum 43.15
 The 1992 Plant Conservation Directory 208
 The Desert Smells Like Rain, p. 179
 The Ecology of Mycorrhizae 80
 The Greater Yellowstone Ecosystem: Redefining America's Wilderness Heritage 84
 The Nature Conservancy, pp. 25, 54, 58, 118, 127; 6
 The Plant Association and Management Guide for the Pacific Silver Fir Zone 20
 The Tree Planters Guide to the Galaxy: The Journal of Reforesting Scotland 91
 Thoreau, Henry David p. 111
 Thorn Creek Woods, p. 130
Thuja occidentalis 195
Tiarella unifoliata 20
 tidal marshes, pp. 19-20, 21-23, 27
 tidal flushing, wetland recovery and, pp. 22-23, 27
Tilia americana, p. 128
 Tillich, Paul, pp. 171, 173
 Tolson, Peter, p. 7
 tomillares, p. 148
 topsoil dressing, effects of 211.2
 Toronto Metropolitan Waterfront Plan 215
Tragopogon dubius 190
Trifolium macrocephalum, propagation of 6
Trifolium repens 190
Trifolium spp., p. 124
Triglochin martimum 175
Trillium erectum 149
Trillium grandiflorum 149
Trillium spp. 22
 tropical dry forest, restoration of, pp. 6-8, 8-13
 Trottier, Garry C. 94
 Trust for Public Lands, p. 67
Tsuga canadensis, p. 24
Tsuga mertensiana, p. 120
 Tucker Hollow Savanna 4
 Turner, Frederick, p. 119
 Turner, Victor, p. 178
Typha angustifolia, p. 27; 152
Typha latifolia 152
Typha latifolia, control of 25
Typha spp. 154
 U. S. Army Corps of Engineers 43.14, 169
 U. S. Bureau of Indian Affairs p. 48
 U. S. Bureau of Land Management, pp. 51, 53-54, 68, 146
 U. S. Bureau of Reclamation, p. 53
 U. S. Department of Agriculture Insect Biocontrol Lab 110
 U. S. Environmental Protection Agency, p. 22; 82
 U. S. Environmental Protection Agency, Region 5 194
 U. S. Fish and Wildlife Service, pp. 7, 18, 43, 150; 5, 27, 152, 162
 U. S. Fish & Wildlife Service Land Protection Plan, p. 151
 U. S. Forest Service, pp. 54, 58, 68; 6, 20, 84, 196
 U. S. National Park Service, pp. 7, 58, 120-126; 84, 103, 110, 179.2, 179.3
 U. S. Soil Conservation Service p. 54; 27, 211.2, 214
Ulex Europeus, p. 134
Ulmus rubra, p. 128
Ulmus spp. 175
 UNESCO, p. 118
 UNESCO-Man and the Biosphere Program, p. 7, 203
Uniola paniculata, mycorrhizae and 44.14
 University of Wisconsin-Madison Arboretum, pp. 7, 65; 2
 Upper Colorado Environmental Plant Center 179.3
 urban stream restoration 38, 39, 40
 Urice, Maria 207
Vaccinium alaskense 20
Vaccinium deliciosum, p. 121
Vaccinium ovalifolium 20
Vallisneria americana 36.1, 43.18
 Van Dragt, Randall, p. 173
 Van Gennep, Arnold, p. 177
 van Groenendael, Jan, pp. 137, 138
 Varley, John 84
 Vegetation of Wisconsin 137
Veratrum sitchensis, p. 121
Verbena spp. 4
Verbesina helianthoides 176
Vernonia baldwini, effect of bison activity on 7.4
Veronia spp. 4
Veronicastrum virginicum 4, 152
 vesicular-arbuscular mycorrhizae 140.2, 214
Viburnum lentago 35
Viburnum rafinesquianum, p. 129
 Village Voice, p. 159
Vireo bellii pusillus 162, 212.1
 Virgin Islands National Park, p. 5
Vitis labrusca 178.1
 Volunteer Earth Restorers 198
 volunteers, pp. 135, 151; 6, 16, 152, 198
 Wagner, Herb 110
 Wahpepan, Bill p. 67
 Wallach, Bret p. 45
 Walpole Island First Nation, pp. 38-39; 138
 Warfield, Ron, p. 123
 Washington Native Plant Society, p. 125
 Waterfront Stewardship Program 215
 wattles 161
 Weed Wrench 71
 Western religio-cultural tradition, restoration and, pp. 169-176
 Westinghouse Environmental Management of Ohio 152
 wet meadows and prairies, pp. 140-141; 5, 175
 wetland assessment, difficulty of 28
 wetland, creation of 211.1
 wetland functions, monitoring of 88
 wetland mitigation, seed bank studies and 154
 wetland mitigation practices, status and trends 157.3
 wetland plant species, propagation of 23
 wetland protection and restoration, video of 27
 wetland restoration 87, 152
 wetlands, global warming and 31
 wetlands, "naturalness" of 34
 Wetstein, Linda 194
Where the Buffalo Roam: The Storm Over the Revolutionary Plan to Restore America's Great Plains 202
 White, Jr., Lynn, p. 172
 Whitman, Bob p. 20
Whole Earth Review, p. 159
 Wild Garden Project 199
 Wilderness Society, p. 49
 Wilhelm, Gerould 9, 110, 194
 Willers, Bill 83
 Williams, Roger, p. 111
 Wilson Creek National Battlefield 18
 Wilson, Mark Griswold 204
 Wind Cave National Park 10
 Wolcott, Alfred 198
 wolf restoration, public support for 109
 Wolverton, Bill 200
 woody wetland vegetation, propagation of 178.1
 work, relation to culture and environment, pp. 179-189
 Working Weekends on Organic Farms, p. 135
 World Wildlife Fund 94
Wyethia amplexicaulus 47
 Wyle Down Preserve, p. 139
 Wytham Woods, p. 139
Xylosma flexuosa, p. 152
 Yale School of Forestry and Environmental Studies, p. 159
 Yellowstone National Park 84, 211.4
 Yucca Mountain 100
 Zedler, Joy, pp. 20, 114
 Zimmerman, James 3
 Zimmerman, Michelle 6
 Zinke, Paul, p. 68
Zizia aptera 176
Zostera marina 43.4, 43.5, 43.7, 43.11, 43.13, 46

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Sample Typescript

Experiments with Seed-Grown Prairie Forb Sod
(Massachusetts)

Douglas L. Airhart, School of Agriculture, Tennessee Technological University, Cookeville, TN 38505 615-372-3019; and Kathleen M. Falls, 100 Main St., Concord, MA 01235

We used a modified sodding technique to determine the necessary seeding rates to produce satisfactory prairie forb sods from seeds. Initially, we sowed seeds onto the surface of a soilless substrate, internally layered with cheesecloth as a root binder, allowing them to germinate under an intermittent mist. After 10 weeks, we evaluated sod stability (percent cover, plant quality and root growth). From the plants tested we determined that the seed rates required to establish satisfactory sods were as follows: butterfly weed (*Asclepias tuberosa*) [88.0 kg/ha]; purple coneflower (*Echinacea purpurea*) [107.0]; dense blazingstar (*Liatris spicata*) [214.0]; prairie coneflower (*Ratibida columnaris*) [27.0]; and black-eyed Susan (*Rudbeckia hirta*) [3.6].

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