

Chapter VI

Literature Cited

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

LITERATURE CITED

- Allen, R.L., and T.K. Meekin. 1973. An evaluation of the Priest Rapids Chinook salmon spawning channel, 1963-1971. Washington Department of Fisheries, Technical Report 11: 1-52. Olympia, Washington.
- Anderson, C.W., F.A., Rinella, and S.A. Rounds. 1996. Occurrence of Selected Trace Elements and Organic Compounds and Their Relation to Land Use in The Willamette River Basin, Oregon, 1992-94. U.S. Geological Survey, Portland, OR. Water-Resources Investigations Report 96-4234
- Anton, F.A., Laborda, E., DeAriz, M. 1994. Acute toxicity of the herbicide glyphosate to fish. *Chemosphere* 28:745-753.
- Asher, J and S. Dewey. 2006. Estimates of Annual Weed Spread Rate on Western Federal Lands
- Asher, J. 2001. Weed information for Leslie Allen, Writer for National Geographic. Unpublished notes.
- ATSDR (Agency for Toxic Substances and Disease Registry) US Dept. of HHS. 2004. Guidance Manual for the Assessment of Joint Toxic Action of Chemical Mixtures. U.S. Department of Health and Human Services, Public Health Service, ATSDR, Division of Toxicology. 62 + appendices.
- ATSDR (Agency for Toxic Substances and Disease Registry). 2004. Guidance manual for the assessment of joint toxic action of chemical mixtures. Available from U.S. Department of Health and Human Services, Public Health Service, ATSDR, Division of Toxicology.
- Bakke, D. 2003a. Analysis of issues surrounding the use of spray adjuvants with herbicides. Unpublished report by the Forest Service Pacific Southwest Regional Pesticide Use Specialist.
- Bakke, D. 2003b. Human and ecological risk assessments of nonylphenol polyethoxylate-based (NPE) surfactants in Forest Service herbicide applications. Unpublished report by the Forest Service Pacific Southwest Regional Pesticide Use Specialist.
- Balciunas, J.K., and Coombs, E.M. 2004. International Code of Best Practices for Classical Biological Control of Weeds 1st ed. Corvallis, Oregon USA: Oregon State University Press.
- Baldwin, C.T. and Brunsfeld, S.J. 1995. Preliminary genetic analysis of Silene spaldingii (Spalding's Catchfly), a candidate threatened species. Report prepared for Montana Natural Heritage Program, Helena, MT.
- Ballard, W.B, and P.S. Gipson. 2000. Wolf, pages 321-346 in Demarais, S. and P.R. Krausman edits, Ecology and Management of Large Mammals of North America. Prentice-Hall, Inc. Upper Saddle River, New Jersey. 196p.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Becker, D.C. 1970. Temperature, timing, and seaward migration of juvenile Chinook salmon from the central Columbia River. Battelle Northwest Laboratories, AEC Research and Development Report. Richland, Washington.
- Bedunah, D.; Carpenter, J. 1989. Plant community response following spotted knapweed (*Centaurea maculosa*) control on three elk winter ranges in western Montana. 1998 Knapweed Symposium; Bozeman, MT.: Plant & Soil Department and Extension Service, Montana State University.
- Bell, M.C. 1986. Fisheries Handbook of Engineering Requirements and Biological Criteria. U.S. Army Corps of Engineers, North Pacific Division. Portland, Oregon.
- Benefield, C.B., DiTomaso, J.M., Kyser, G.B., Orloff, S.B., Churches, K.R. and others. 1999. Success of mowing to control yellow starthistle depends on timing and plant's branching form. *California Agriculture*, University of California, Division of Agriculture and Natural Resources 53(2): p.17-21.
- Berrill, M., S., Bertram, L., McGillivray, M., Kolohon, and B., Pauli . 1994. Effects of low concentrations of forest-use pesticides on frog embryos and tadpoles. *Environmental Toxicology and Chemistry* 13(4): p.657-64.
- Berrill, M., S., Bertram, and B., Pauli. 1997. Effects of Pesticides on Amphibian Embryos and Larvae. *Herpetological Conservation* 1: p.233-45.
- Bevan D., J. Harville, P. Bergman, T. Bjornn, J. Crutchfield, P. Klingeman and J. Litchfield. 1994. Snake River Salmon Recovery Team: Final Recommendations to the National Marine Fisheries Service. Copies available from NOAA Fisheries, 525 NE Oregon Street, Suite 500, Portland, Oregon, 97232.
- Blossey, B., C Luke, J. Skinner and J. Taylor. 2001. Impact and management of purple loosestrife (*Lythrum salicaria*) in North America. *Biodiversity and Conservation* 10:1787-1807
- Bossard, C.C., Randall, J.M., Hoshovsky, M.C. 2000. *Invasive Plants of California's Wildlands*. University of California Press.
- Boyd, D.K. and D.H. Pletscher. 1999. Characteristics of Dispersal in a Colonizing Wolf Population in the Central Rocky Mountains. *Journal of Wildlife Management* 63(4): 1094-1108.
- Bridges, C.M. & Semlitsch, R.D. (2000) Variation in pesticide tolerance of tadpoles among and within species of Ranidae and patterns of amphibian decline. *Conservation Biology* 14: 1490-1499.
- Bridges, C.M. (1999a) The effects of a chemical stressor on amphibian larvae: individual, population and species level responses. Dissertation, University of Missouri, Columbia, Missouri, USA.
- Bridges, C.M. (1999b) Predator-prey interactions between two amphibian species: effects of insecticide exposure. *Aquatic Ecology* 33: 205-211.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Brooks, M.L., D'Antonio, C.M., Richardson, D.M., Grace, J.B., Keeley, J.E. and others. 2004. Effects of invasive alien plants on fire regimes. *BioScience* 54(7) p.77-88.
- Brown, M.L., Duncan, C.A., and Halstvedt, M.B. 2001. Cost and efficacy of spotted knapweed management and with integrated methods. *Techline* (May): p. 2-5.
- Brown, M.L., Duncan, C.A, and Halstvedt, M.B. 2001. Cost and efficacy of spotted knapweed management with integrated methods. *Techline* (May): p.2-5.
- Buchmann, S., and G. Nabhan, G.P. 1996. *The Forgotten Pollinators*. Washington. D.C. Island Press
- Bugert, R., P. LaRiviere, D. Marbach, S. Martin, L. Ross and D. Geist. 1990. Lower Snake River Compensation Plan Salmon Hatchery Evaluation Program. 1989 Annual Report to U.S. Fish and Wildlife Service (Cooperative Agreement 14-16-0001-89525).
- Bull, E. L., and M. P. Hayes. 2000. Livestock effects on the reproduction of the Columbia spotted frog. *Journal of Range Management* 53:291-294.
- Bull, E. L., J. W. Deal, and J. E. Hohmann. 2001. Avian and amphibian use of fenced and unfenced stock ponds in northeastern Oregon forests. Research Paper PNW-RP-539. USDA Forest Service, Pacific Northwest Research Station. Portland, OR. 9 pp.
- Busby, P.J., T.C. Wainwright, G.J. Bryant, L.J. Lierheimer, R.S. Waples, F.W. Waknitz and I.V. Lagomarsino. 1996. Status review of west coast steelhead from Washington, Idaho, Oregon, and California. National Marine Fisheries Service, Northwest Fisheries Science Center. Seattle, Washington.
- Cannamela, D.A. 1992. Potential impacts of releases of hatchery steelhead trout "smolts" on wild and natural juvenile Chinook and sockeye salmon. Idaho Department of Fish and Game, White Paper. Boise, Idaho.
- CBFWA (Columbia Basin Fish and Wildlife Authority). 1990. Snake River Subbasin (Mainstem from Mouth to Hells Canyon Dam) Salmon and Steelhead Production Plan. CBFWA, Northwest Power Planning Council, Portland, Oregon.
- Center, T.D., Frank, J.H., and Dray Jr., F.A. 1997. Biological Control. *Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida*. P.245-63.
- Chapman, D.W. 1986. Salmon and steelhead abundance in the Columbia River in the nineteenth century. *Transactions of the American Fisheries Society*. 115:662-670.
- Chilcote, M.W. 2001. Conservation assessment of steelhead populations in Oregon. Oregon Department of Fish and Wildlife. Portland, OR.
- Choudhury, H.; J. Cogliano; R. Hertzberg; D. Mukerjee; G. Rice; L. Teuschler; E. Doyle; and R. Schoeny. 2000. Supplementary guidance for conducting Health Risk Assessment of chemical mixtures. Risk Assessment Forum, U.S. Environmental Protection Agency, Washington, D.C. 143 pp. + appendices.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Collis, K., S. Adamany, D.D. Roby, D.P. Craig and D.E. Lyons. 1999. Avian predation on juvenile salmonids in the lower Columbia River. Report to Bonneville Power Administration and U.S. Army Corps of Engineers. Columbia River Inter-Tribal Fish Commission, Portland, Oregon and the Oregon Cooperative Fish and Wildlife Research Unit, Oregon State University, Corvallis. October 1999.
- Cooney, T.D. 2000. UCR steelhead and spring Chinook salmon quantitative analysis report. Part 1: Run reconstructions and preliminary assessment of extinction risk. NMFS, Hydro Program, Technical Review Draft, Portland, Oregon. August 15, 2000.
- Cooper, R. and T.H. Johnson. 1992. Trends in steelhead abundance in Washington and along the Pacific coast of North America. Washington Department of Fish and Wildlife, Fish Management Division. Report 92-20, 90 pp. Available from Washington Department of Fish and Wildlife. 600 Capital Way N., Olympia, WA 98501-1091.
- Corkran, C. C., and C. R. Thoms. 2006. Amphibians of Oregon, Washington, and British Columbia. Lone Pine Publishing, Auburn, WA.
- Cowman, D.F. and L.E. Mazanti. 2000. Ecotoxicology of “new generation” pesticides to amphibians. Pp. 233-268 In D.W. Sparling, G. Linder, and C.A. Bishop, eds. Ecotoxicology of Amphibians and Reptiles. Society of Environmental Toxicology and Chemistry. Pensacola, Florida. 904pp.
- Crawley, M. 1983. Herbivory: dynamics of plant-animal interactions. Oxford, UK: Blackwell Scientific Publications.
- Csuti, B., A. J. Kimerling, T. A. O’Neil, M. M. Shaughnessy, E. P. Gaines, and J. C. Hak 2001. Atlas of Oregon wildlife: distribution, habitat, and natural history. Oregon State University Press, Corvallis, OR. 492 pp.
- D'Antonio, C. M.; Vitousek, P. 1992. Biological invasions by exotic grasses, the grass/fire cycle, and global change. Annual Review of Ecological Systems. 23: 63-87.
- Davis, E.S., Fay, P.K., Chicoine, T.K., and Lacey, C.A. 1993. Persistence of spotted knapweed (*Centaurea maculosa*) seed in soil. Weed Science 41: p.57-61.
- DeLoach, C.J. 1991. Past successes and current prospects in biological control of weeds in the United States and Canada. Natural Areas Journal 11(3): p.1829-34.
- Dewey, S.A. 2003. Applying Fundamentals of Wildfire Management to Improve Noxious Weed Control Cooperative Extension Services, Utah State University//U.S. Department of Agriculture.
- DiTomaso, J. 2001. Yellow starthistle management possible with planning and integrated approach. Techline (May):6-8.
- DiTomaso, J.M., Lanini, W.T., Thomsen, C.D. Prather, T.S., Turner, C.E., Smith, M.J., Elmore, C.L., Vayssieres, M.P., Williams, W.A. 1999. Yellow starthistle. Weed Research and Information Center, University of California.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- DiTomaso, J.M. 2000. Invasive weeds in rangelands: species, impacts, and management. *Weed Science* 48: p.255-65.
- Doppelt, B., M. Scurlock, C. Frissell and J. Karr. 1993. *Entering the Watershed: A New Approach to Save America's River Ecosystems*. Island Press, Washington, D.C. 504pp.
- Duncan, C., Story, J., and Sheley, R. 2001. *Montana Knapweeds: Identification, Biology and Management*. Montana State University, Extension Service (Circular 311).
- Duncan, C. A., and J. K. Clark. eds. 2005. *Invasive Plants of Range and Wildlands and their Environmental, Economic, and Societal Impacts*. Lawrence, KS: Weed Science Society of America. In press.
- EPA (Environmental Protection Agency). 2004. *Overview of the Ecological Risk Assessment Process in the Office of Pesticide Programs – Endangered and Threatened Species Effects Determinations*. Office of Prevention, Pesticides, and Toxic Substances, Office of Pesticide Programs, Washington, D.C.
- Erickson, V. 2006. Genetecist, USDA Forest Service, Umatilla National Forest, Pendleton, OR. Personal communication
- Estok, D. B. Freeman, and D. Boyle. 1989. Effects of the herbicides 2,4-D, glyphosate, hexazinone, and triclopyr on the growth of three species of ectomycorrhizal fungi. *Bulletin of Environmental Contamination and Toxicology* 42:835-839.
- FEMAT (Forest Ecosystem Management Assessment Team). 1993. *Forest ecosystem management: an ecological, economic and social assessment*. Washington, DC: U.S. Forest Service and collaborating agencies.
- Flagg, T.A., F.W. Waknitz, D.J. Maynard, G.B. Milner and C.V.W. Mahnken. 1995. The effect of hatcheries on native coho salmon populations in the lower Columbia River. In: *Uses and Effects of Cultured Fishes in Aquatic Systems*. Transactions of the American Fisheries Society. 15:366-375.
- Flather, C.H. L.A. Joyce and C.A. Bloomgarden. 1994. *Species endangerment patterns in the United States*. Gen. Tech Rep. RM-241. Fort Collins, CO: U.S. Dept of Agriculture, Forest Service, Rocky Mountain Research Station.
- Fletcher, J.S., J.E. Nellessen, and T.G. Pflieger. 1994. Literature review and evaluation of the EPA food-chain (Kenaga) nomogram, and instrument for estimating pesticide residue on plants. *Environ. Toxicol. And Chemistry* 13(9):p.1383-91.
- Folmar, L.C., Sanders, H.O., Julin, A.M. 1979. Toxicity of the herbicide glyphosate and several of its formulations to fish and aquatic invertebrates. *Arch. Environ. Contam. Toxicol.* 8(3): p.269-78.
- Fowler, Pat, 2001. *Washington State Elk Herd Plan*, prepared for Washington Department of Fish and Wildlife, Olympia, WA. http://wdfw.wa.gov/wlm/game/elk/bluemtn_final.pdf
- FPC (Fish Passage Center). 2000. *Adult salmon passage counts*. FPC (Fish Passage Center) Home. <<http://www.fpc.org/adlthist/prdadult.htm>> (accessed October 10, 2000).

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- FPC (Fish Passage Center). 2002. Adult salmon passage counts. FPC Internet Website. <<http://www.fpc.org/adult.html>> (accessed June 13, 2002).
- Frissell, C.A. 1993. A new strategy for watershed restoration and recovery of Pacific salmon in the Pacific Northwest. Prepared for Pacific Rivers Council. Eugene, Oregon.
- Fuller, T.C., and Barbe, G.D. 1985. The Bradley Method of Eliminating Exotic Plants from Natural Reserves.
- Fulton, L. A. 1968. Spawning areas and abundance of Chinook salmon (*Oncorhynchus tshawytscha*) in the Columbia River basin -- Past and present. Washington, D.C.,
- Fulton, L.A. 1970. Spawning areas and abundance of steelhead trout and coho, sockeye, and chum salmon in the Columbia River basin-- past and present. Special Scientific Report-- Fisheries 618.
- Goodwin, K.M., and Sheley, R.L. 2001. What To Do When Fires Fuel Weeds: A step-by-step guide for managing invasive plants after a wildfire. *Rangelands* 23(6): p.15-21.
- Hall, R.J. and P.F.P. Henry. 1992. Review: Assessing effects of pesticides on amphibians and reptiles: status and needs. *Herpetological J.* 2: 65-71.
- Hart, J.L. 1973. Pacific Fishes of Canada. Fisheries Research Board of Canada Bulletin 180.
- Hartt, A.C. and M.B. Dell. 1986. Early oceanic migrations and growth of juvenile Pacific salmon and steelhead trout. *International North Pacific Fisheries Commission Bulletin.* 46:1-105.
- Hasan, S., and Ayres, P.G. 1990. The control of weeds through fungi: principles and prospects. *Tansley Review* 23: p.201-22.
- Hayes, Marc, J.D. Engler, , R.D. Haycock, D.H. Knopp, W.P. Leonard, K.R. McAllister, and L.L. Todd. 1997. Status of the Oregon spotted frog (*Rana pretiosa*) across its geographical range. In *The Spotted Frog of Oregon*. Oregon Chapter of The Wildlife Society, Corvallis, OR. August 15.
- Healey, M.C. 1983. Coastwide distribution and ocean migration patterns of stream- and ocean-type Chinook salmon, *Oncorhynchus tshawytscha*. *Canadian Field-Naturalist.* 97:427-433.
- Henjum, M.G., J.R. Karr, D.L. Bottom, D.A. Peery, J.C. Bednarz, S.G. Wright, S.A. Beckwitt and E. Beckwitt. 1994. Interim protection for late-successional forests, fisheries, and watersheds: national forests east of the Cascade Crest, Oregon, and Washington. The Wildlife Society. Bethesda, Maryland.
- Henry, C. 2003. Successful Tamarisk and Purple Loosestrife Programs. TechLine .
- Henry, C. 2004. Hand-pulling project gains public involvement in weed control. TechLine: p.6-8.
- Hill, J.L. and K.L. Gray. 2004. Conservation Strategy for Spalding's Catchfly (*Silene spaldingii* Wats.) Conservation Data Center, Idaho Department of Fish and Game, Boise, Idaho pp661.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Howard, A., and J. C. Munger. 2000. Effects of livestock grazing on the invertebrate prey base and on the survival and growth of larvae of the Columbia spotted frog, *Rana luteiventris*. Final Report on Cooperative Research between the Bureau of Land Management and Boise State University. Department of Biology, Boise State University, Boise ID. 28 pp.
- Howell, P., K. Jones, D. Scarnecchia, L. LaVoy, W. Knedra and D. Orrman. 1985. Stock assessment of Columbia River anadromous salmonids. Vol: I. U.S. Dep. Energy, Bonneville Power Administration. Project No. 83-335, 558 pp.
- Idaho Cooperative Fish and Wildlife Research Unit, University of Idaho, Unpublished Report, Moscow, Idaho.
- IDFG (Idaho Department of Fish and Game). 2002. Written comments submitted to National Marine Fisheries Service regarding status review.
- Irving J. S. and T. Bjornn. 1991. A forecast of abundance of Snake River fall Chinook salmon. Prepared for U.S. Fish & Wildlife Service. Unpubl. MS. 55 p. Available from Idaho Cooperative Fishery Research Unit, Univ. of Idaho, Moscow, ID.
- Jenkins, J. J., Thomson, P., and D. Buchwalther. 1999. Pesticides and Groundwater Quality in Oregon. Report to the Oregon Department of Agriculture.
- Johnson, C.G., Jr. and S.A. Simon. 1987. Plant associations of the Wallowa-Snake Province., Wallowa Whitman National Forest R6-ECOL-TP-355A-86. U.S. Department of Agriculture, U. S. Forest Service, Pacific Northwest Region, Wallowa-Whitman National Forest, Baker City, Oregon. 399 pp.
- Johnson, D. H., and T. A. O'Neil, Managing Directors. 2001. Wildlife-habitat relationships in Oregon and Washington. Oregon State University Press, Corvallis, OR. 736 pp.
- Johnson, D.R., and Hansen, R.M. 1969. Effects of range treatment with 2,4-D on rodent populations. *Journal of Wildlife Management* 33: 1125-132.
- Johnson, K. H.; Olson, R. A.; Whitson, T. D.; Swearingen, R. J.; Jurz, G. L. 1994. Ecological implications of Russian knapweed infestation: small mammal and habitat associations. In: *Proceedings of the Western Society for Weed Science*. [Place of publication unknown.] 47: 98-101.
- Johnson, M. L. 1995. Reptiles in the state of Washington (1954). *Northwest Fauna* 3:5-80. The Society of Northwestern Vertebrate Biology, Olympia, WA.
- Kaminski, T. and J. Hansen. 1984. Wolves of central Idaho. *Mont. Coop. Wildl. Res. Unit. U.S. Fish and Wildl. Sev., Missoula, MT* 196p.
- Kearns, C, D.Inouye, and N. Waser. 1998. Endangered Mutualisms: The Conservation of Plant-Pollinator Interactions. *Annual Review of Ecology and Systematics*, Vol. 29: 83-112 [http://links.jstor.org/sici?sici=0066-4162\(1998\)29%3C83%3AEMTCOP%3E2.0.CO%3B2-6](http://links.jstor.org/sici?sici=0066-4162(1998)29%3C83%3AEMTCOP%3E2.0.CO%3B2-6) (accessed 12-2006)
- Keeley, J.E. 2001. Fire and Invasive Species in Mediterranean-climate Ecosystems of California.

- Kiesecker, J. M., and Blaustein, A. R. (1995). "Synergism between UV-B radiation and a pathogen magnifies amphibian embryo mortality in nature." Proceedings of the National Academy of Sciences of the United States of America, 92(24), 11049-11052.
- Kostow, K. (editor). 1995. Biennial Report on the Status of Wild Fish in Oregon. OR. Dep. Fish Wildl. Rep., 217 p. + app. December 1995. (Available at: http://www.dfw.state.or.us/ODFWhtml/Research_percent26Reports/WildFishRead.html)
- Lacey, J. R., Olson, B. E. 1991. Environmental and economic impacts of noxious range weeds. In: James, L. F.; Evans, J. O.; Ralphs, M. H.; Child, R. D., eds. Noxious range weeds. Boulder, CO: Westview Press.
- Lacey, J.R., Marlow, C.B., and Lane, J.R. 1989. Influence of spotted knapweed (*Centaurea maculosa*) on surface runoff and sediment yield. Volume 3. p.627-31.
- Larimore, R. W., and P. W. Smith. 1963. The fishes of Champaign County, Illinois, as affected by 60 years of stream changes. Illinois Natural History Survey Bulletin 28:299-382.
- Lefcort, H., R. A. Meguire, L. H. Wilson, W. F. Ettinger. 1998. Heavy metals alter the survival, growth, metamorphosis, and antipredatory behavior of Columbia spotted frog (*Rana luteiventris*) tadpoles. Archives of Environmental Contamination and Toxicology 15:447-456.
- Lesica, P. 1987. A technique for monitoring nonrhizomatous perennial plant species in permanent belt transects. Natural Areas Journal 7 : 65-68.
- Lesica, P. 1988. A preliminary study of the pollination biology of Spalding's Catchfly in the Tobacco Valley, Lincoln County, Montana. Report prepared for The Nature Conservancy, Helena, MT
- Lesica, P. 1988. Germination requirements and seedling biology of Spalding's catchfly (*Silene spaldingii*). Report prepared for The Nature Conservancy, Helena, MT.
- Lesica, P. 1993. Loss of fitness resulting from pollinator exclusion in *Silene spaldingii* (CARYOPHYLLACEAE). Madroño 40: 193-201.
- Lesica, P. 1995. The effects of fire on *Silene spaldingii*: At Dancing Prairie Preserve 1995 Progress Report . Supported in part by USDA Forest service, Intermountain Research Station.
- Lesica, P. 1997. Demography of the endangered plant, *Silene spaldingii* (CARYOPHYLLACEAE) in northwest Montana. Madroño 44: 347-358.
- Lesica, P. 2004. Monitoring population trends of *Silene spaldingii* on Dancing Prairie Preserve: 2003 Progress Report. Prepared for The Nature Conservancy, Helena MT 1-5 .
- Lesica, P. and B. Heidel 1996. Pollination Biology of *Silene spaldingii*. A final report for the Nature Conservancy Montana Field Office, by the Montana Natural Heritage Program. Helena MT.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Lesica, P. and Steele, B.M. 1994. Prolonged dormancy in vascular plants and implications for monitoring studies. *Natural Areas Journal* 14: 209-212.
- Levine, J. M. Vila, C. D'Antonio, J. Duke, K. Grigulis and S. Lavorel. 2004. Review Paper: Mechanisms underlying the impacts of exotic plant invasions. *Ecology Letters*. 7:975-989.
- Lukan, J.O. 1990. *Directing Ecological Succession*. London: Chapman and Hall.
- Mack, R. N. 1981. Invasion of *Bromus tectorum* L. into western North America: an ecological chronicle. *Agro-Ecosystems*. 7: 145-165.
- Mallet, J. 1974. Inventory of salmon and steelhead resources, habitats, use and demands. Job Performance Report. Proj. F-58-R-1. Idaho Department of Fish and Game. Boise, Idaho.
- Mann, R.M. and J.R. Bidwell. 1999. The toxicity of glyphosate and several glyphosate formulations to four species of southwestern Australian frogs. *Arch. Environ. Contam. Toxicol.* 36: 193-199.
- Mann, R.M. and J.R. Bidwell. 2000. Application of the FETAX protocol to assess the developmental toxicity of nonylphenol ethoxylate to *Xenopus laevis* and two Australian frogs. *Aquatic Toxicology* 51: 19-29.
- Mann, R.M. and J.R. Bidwell. 2001. The acute toxicity of agricultural surfactants to the tadpoles of four Australian and two exotic frogs. *Environmental Pollution* 114: 195-205.
- Marco, A., C. Quilchano, and A. R. Blaustein. 1999. Sensitivity to nitrate and nitrite in pondbreeding amphibians from the Pacific Northwest, USA. *Environmental Toxicology and Chemistry* 18:2836-2839.
- Marr, J.C. 1943. Age, length, and weight studies of three species of Columbia River salmon (*Oncorhynchus keta*, *O. gorbuscha* and *O. kisutch*). *Stanford Ichthyological Bulletin*. 2:157-197.
- Marrs, R.J., C.T. Williams, A.J. Frost, and R.A. Plant. 1989. Assessment of the Effects of Herbicide Spray Drift on a Range of Plant Species of Conservation Interest. *Environmental Pollution* 59:71-86
- Marshall, A. R., C. Smith, R. Brix, W. Dammers, J. Hymer and L. LaVoy. 1995. Genetic diversity units and major ancestral lineages for Chinook salmon in Washington. Pages 111-173 in C. Busack and J. B. Shaklee, eds. *Genetic diversity units and major ancestral lineages of salmonid fishes in Washington*. Washington Department of Fish and Wildlife Tech. Rep. RAD 95-02.
- Marshall, D. B., M. G. Hunter, and A. L. Contreras, Eds. 2003. *Birds of Oregon: a general reference*. Oregon State University Press, Corvallis, OR. 768 pp.
- Marshall, J.S., and L.W. Vandruff. 2002. Impact of Selective Herbicide Right-of-Way Vegetation on Birds. *Environmental Management* 30(6): p. 801-6.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Masters, R.A., and Sheley, R.L. 2001. Invited synthesis paper: principles and practices for managing rangeland invasive plants. *Journal Range Management* 54: p.502-17.
- Masters, R.A., Nissen, S.J., Gaussoin, R.E., Beran, D.D., Stougaard R.N. 1996. Imidazolinone herbicides improve restoration of Great Plains grasslands. *Weed Technology* 10: p.392-403.
- Matthews, G.M. and R.S. Waples. 1991. Status review for Snake River spring and summer Chinook salmon. U.S. Department Commerce, NOAA Tech. Memo. NMFS-F/NWC-200, 75 pp.
- McAllister, K. R., and W. P. Leonard. 1997. Washington state status report for the Oregon Spotted Frog. Washington
- McClure, M. M., and Stein, J. 2004. Evaluating the Potential for Improvements to Habitat Condition to improve Population Status for Eight Salmon and Steelhead ESUs in the Columbia Basin. Unpublished discussion draft, NOAA Fisheries NW Fisheries Science Center, Seattle, WA.
- McClure, M. M., E. E. Holmes, B. L. Sanderson, and C. E. Jordan. (2003). A large-scale, multi-species status assessment: anadromous salmonids in the Columbia River Basin. *Ecological Applications*, 13(4): 964-989.
- McElhany, P., Backman, T., Busack, C., Heppell, S., Kolmes, S., Maule, A. Myers, J., Rawding, D., Shiveley, D., Steel, A., Steward, C., Whitesel, T. 2003. "Interim Report on Viability Criteria for Willamette and Lower Columbia Basin Pacific Salmonids." Willamette/Lower Columbia
- McElhany, P., M. H. Ruckelshaus, M. J. Ford, T. C. Wainwright, and E. P. Bjorkstedt. 2000. Viable salmonid populations and the recovery of evolutionarily significant units, United States Department of Commerce, National Oceanic and Atmospheric Administration: 156.
- McIntosh, B.A., J.R. Sedell, J.E. Smith, R.C. Wissmar, S.E. Clarke, G.H. Reeves, and L.A. Brown. 1994. Management history of eastside ecosystems: Changes in fish habitat over 50 years, 1935 to 1992. U.S. Forest Service, Pacific Northwest Research Station, General Technical Report. PNW-GTR 321.
- Mealy, S.P. 1997. Letter re: State of Idaho's comments on the proposed listing of Snake River steelhead for protection under the Federal Endangered Species Act. Idaho Department of Fish and Game. February 11, 1997.
- Mech, L.D., S.H. Fritts, G.L. Radde and W.J. Paul. 1988. Wolf Distribution and Road Density in Minnesota. *Wildl. Soc. Bull.* 16: 85-87.
- Mech, L.D. 1989. Wolf Population Survival in an Area of High Road Density. *American Midland Naturalist* 121(2): 387-389.
- Meehan, W. R., and T. C. Bjornn. 1991. Salmonid distributions and life histories. *American Fisheries Society Special Publication* 19: 47-82.

- Menke, C. 2003. Relationships of exotic species and wildfire to the threatened plant *Silene spaldingii*. M.S. Thesis. Department of Botany and Plant Pathology, Oregon State University, Corvallis, Oregon. 73 pp.
- Menke, C.A. and Muir, P.S. 2004. Patterns and influences of exotic species invasion into the grassland habitat of the threatened plant *Silene spaldingii*. *Natural Areas Journal* **24**: 119-128.
- Meyers, J.H., Risley, C., and Eng, R. 1989. The Ability of Plants to Compensate for Insect Attack: why biological control of weeds and insects is so difficult.
- Michael, Jerry Lee. 2002. Impact of herbicides on the forest ecosystem, aquatic ecosystems, and wildlife. *The US Experience Special Issue* 6: 593-608.
- Moody, M.E., and Mack, R.N. 1988. Controlling the spread of plant invasions: the importance of nascent foci. *Journal of Applied Ecology* 25: p.1009-21.
- Morse, L.E., Randall, J.M., Benton, N., Hiebert, R., Lu, Stephanie. 2004. An Invasive Species Assessment Protocol: NatureServe.
- Morse L. , J. Kartesz and L. Kutner 2006. Native Vascular Plants. <http://biology.usgs.gov/s+t/noframe/j085.htm>. accessed 12/2006.
- Mosely, J.C. 1996. Prescribed Sheep Grazing to Suppress Cheatgrass: A Review. *Sheep & Goat Research Journal* 12(2): p.74-81.
- Mullan, J.W., K.R. Williams, G. Rhodus, T.W. Hillman and J.D. McIntyre. 1992. Production and habitat of salmonids in mid-Columbia River tributary streams. U.S. Fish and Wildlife Service Monograph 1.
- Mullin, B.H., Anderson, L.W., DiTomaso, J.M., Eplee, R.E., and Getsinger, K.D. 2000. Invasive Plant Species. Issue Paper (13): p.1-18.
- Myers, J. M., R. G. Kope, G. J. Bryant, D. Teel, L. J. Lierheimer, T. C. Wainwright, W. S. Grant, F. W. Waknitz, K. Neely, S. T. Lindley, and R. S. Waples. (1998). Status review of Chinook salmon from Washington, Idaho, Oregon, and California, United States Department of Commerce, National Oceanic and Atmospheric Administration: 443.
- NatureServe Explorer: An online encyclopedia of life [web application]. 2006. Version 1.6. Arlington, VA, USA: NatureServe. Available: <http://www.natureserve.org/explorer/>.
- Newmaster, S.G., F. W. Bell, and D. H. Vitt 1999. The effects of glyphosate and triclopyr on common bryophytes and lichens in northwestern Ontario *Canadian Journal of Forest Research* 29:1101-1111.
- NMFS (National Marine Fisheries Service). 1991. Factors for decline: A supplement to the notice of determination for Snake River spring/summer Chinook salmon under the Endangered Species Act. NMFS, Protected Resources Division. Portland, Oregon.
- NMFS (National Marine Fisheries Service). 1996. Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Watershed Scale. The

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

National Marine Fisheries Service Environmental and Technical Services Division
Habitat Conservation Branch.

- NMFS (National Marine Fisheries Service). 1996b. Status review update for coho salmon from Washington, Oregon, and California. Draft document prepared by the West Coast Coho salmon Biological Review Team, 20 December 1996, 47 p. plus tables, figures and appendices.
- NMFS (National Marine Fisheries Service). 1997a. Status Review Update for West Coast Steelhead from Washington, Idaho, Oregon, and California. Memorandum from the Biological Review Team to the NMFS Northwest Regional Office. July 7, 1997, 72pp.
- NMFS (National Marine Fisheries Service). 2000a. Endangered Species Act - Section 7 Consultation Programmatic Biological Opinion on Corps of Engineers' Issuance of a Regional General Permit for Stream Restoration Activities in Oregon Involving Large Wood and Boulder Placement. NOAA Fisheries Northwest Region. June 22, 2000. (OSB2000-0076).
- NMFS (National Marine Fisheries Service). 2000b. Unpublished salmonid population database.
- NMFS (National Marine Fisheries Service). 2002. Memorandum for Frank L. Cassidy, Jr. (Northwest Power Planning Council) from Bob Lohn (NMFS), April 2002. (Available at <http://www.nwr.noaa.gov/occd/InterimTargets.pdf>)
- NOAA Fisheries. 1998. Final Rule, Threatened Species: Threatened status for two ESUs of steelhead in Washington, Oregon and California. March 19, 1998. Federal Register. 63(53):13351-13362.
- NOAA Fisheries. 2002. Endangered Species Act Section 7 Consultation and Magnuson-Stevens Act Essential Fish Habitat Consultation Programmatic Biological Opinion Standard Local Operating Procedures for Endangered Species (SLOPES) for Certain Activities Requiring Department of the Army Permits in Oregon and the North Shore of the Columbia River. NOAA Fisheries Northwest Region, Portland, OR. June 14, 2002. (OHB2001-0016 PEC).
- NOAA Fisheries. 2003. Preliminary conclusions regarding the updated status of listed ESUs of West Coast salmon and steelhead. West Coast Salmon Biological Review Team. Northwest Fisheries Science Center; Southwest Fisheries Science Center. Co-manager Review Draft. February 2003.
- NOAA Fisheries. 2004. "Endangered and Threatened Species; Designation of Critical Habitat for 13 Evolutionarily Significant Units of Pacific Salmon (*Oncorhynchus* spp.) and Steelhead (*O. mykiss*) in Washington, Oregon, and Idaho." Federal Register 69:239: page 74572.
- Norris, L.A., Lorz, H.W., and S.V. Gregory. 1991. Forest Chemicals. American Fisheries Society Special Publication 19:139-179.
- Nussbaum, R. A., E. D. Brodie, Jr. and R. M. Storm. 1983. Amphibians and Reptiles of the Pacific Northwest. The University Press of Idaho, Moscow, ID, 332 p.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- NWPPC (Northwest Power Planning Council). 1992. Information on water quality and quantity contained in the salmon and steelhead subbasin plans above Bonneville Dam. Document #93-8. Portland, Oregon.
- ODFW (Oregon Department of Fish and Wildlife) and WDFW (Washington Department of Fish and Wildlife). 1998. Status report, Columbia River fish runs and fisheries, 1938-1997. ODFW, Portland, Oregon, and WDFW, Olympia, Washington.
- ODFW (Oregon Department of Fish and Wildlife) and WDFW (Washington Department of Fish and Wildlife). 1999. Status report, Columbia River fish runs and fisheries, 1938-1998. ODFW, Portland and WDFW, Olympia.
- ODFW (Oregon Department of Fish and Wildlife). 1991. Grand Ronde River subbasin salmon and steelhead plan. Prepared for Northwest Power Planning Council. 129 pp.
- Olson, B.E., Wallander, R.T., and Lacey, J.R. 1997. Effects of sheep grazing on a spotted knapweed-infested Idaho fescue community. *Journal of Range Management* 50(4):386-91.
- Olson, B.E. 1999. Impacts of noxious weeds on ecologic and economic systems. in: Sheley, R.L., Petroff, J.K. editors. *Biology and management of noxious rangeland weeds*. Corvallis, Oregon: OSU Press. p.4-18.
- Olson, B.E. 1999. Impacts of noxious weeds on ecologic and economic systems. In: Sheley, R.L.; Petroff, J.K., eds. *Biology and management of noxious rangeland weeds*. Corvallis, Oregon: Oregon State Univ. Press. p. 4-18.
- Oregon Department of Environmental Quality. 2002. Water Quality Streams 303(d) List. Available at: <http://www.deq.state.or.us/wq/303dlist/303dpage.htm>
- Oregon Department of Environmental Quality. 1995. Oregon Water Quality Index Report for the Grand Ronde Basin. <http://www.deq.state.or.us/lab/wqm/wqi/gronde/gronde4.htm>
- Oregon Plan for Salmon and Watersheds. 1997. Oregon Plan for Salmon and Watersheds (consisting of the Oregon Coastal Salmon Restoration Initiative, March 10, 1997 and as amended with the steelhead Supplement, December 1997). Governor's Natural Resources Office, State of Oregon, Salem.
- Oregon State University. 2002. Pacific Northwest Weed Management Handbook. WSU, OSU, UI: Extension of WSU, OSU, UI.
- OWRD (Oregon Water Resources Department). 1993. Memorandum re: weak stocks and water supply conflicts, to D. Moscovitz et al. from T. Kline and B. Fuji, OWRD, Salem. September 17, 1993.
- Parker, I.M. 2001. Safe site and seed limitation in *Cytisus scoparius* (Scotch broom): invasibility, disturbance, and the role of cryptogams in a glacial outwash prairie. *Biological Invasions* 3: p.323-32.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Pauli, B.D., and S. Money. 2000. Ecotoxicology of pesticides in reptiles. pp. 269-324 In D.W. Sparling, G. Linder, and C.A. Bishop, eds. *Ecotoxicology of Amphibians and Reptiles*. Society of Environmental Toxicology and Chemistry. Pensacola, Florida. 904pp.
- Peery, C.A. and T.C. Bjornn. 1991. Examination of the extent and factors affecting downstream emigration of Chinook salmon fry from spawning grounds in the upper Salmon River.
- Perkins, Peggy J., Boermans, Jerman H., Stephenson, Gerald R. 2000. Toxicity of Glyphosate and Triclopyr using the frog embryo. *Teratogenesis Assay-Xenopus*. *Environmental Toxicol and Chemistry* 19(4): p.940-5.
- Pfleeger, T.G., A. Fong, R. Hayes, H. Ratsch, and C. Wickliff. 1996. Field evaluation of the EPA (Kenaga) nomogram, a method for estimating wildlife exposure to pesticide residue on plants. *Environmental Toxicology and Chemistry* 15(4): p. 535-43.
- PFMC (Pacific Fisheries Management Council). 1998. The coastal pelagic species fishery management plan. Pacific Fishery Management Council, Portland, Oregon.
- PFMC. 2003. Fishery management plan for commercial and recreational salmon fisheries off the coasts of Washington, Oregon, and California, as revised through Amendment 14. Pacific Fishery Management Council, Portland, Oregon.
- Pope, J. 2006. Pesticide applicator and Valley Helicopter Service, Clarkston, ID. Personal communication via telephone.
- Quigley, T.M., and S.J. Arbelbide. Tech Eds., 1997. *An Assessment of Ecosystem Components in the Interior Columbia Basin and Portions of the Klamath and Great Basins*. Gen. Tech. Rep. PNW-GTR-405. Portland, OR. USDA, Forest Service, Pacific Northwest Research Station. Vol. 4.
- Quigley, T.M., R.W. Haynes, and R.T. Graham. Tech. Eds. 1996. *Integrated Scientific Assessment for Ecosystem Management in the Interior Columbia Basin and Portions of the Klamath and Great Basins*. Gen. Tech. Rep. PNW-GTR-382. Portland, OR. USDA, Forest Service, Pacific Northwest Research Station.
- Quigley, T.M. and S.J. Arbelbide. 1997. *An assessment of ecosystem components in the Interior Columbia River Basin and portions of the Klamath and Great Basins*. Volume 3. In: T.M. Quigley (editor). *The Interior Columbia Basin Ecosystem Management Project: Scientific Assessment*, 4 volumes. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, General Technical Report PNW-GTR-405, Portland, Oregon.
- Randall, J.M. 1996. Weed control for the preservation of biological diversity. *Weed Technology*. 10: 370-383.
- Rawinski T. J. 1982. *The ecology and management of purple loosestrife (Lythrum salicaria L.) in central New York*. Ithaca, N.Y.: Cornell University, ix: 88.
- Reimers, P.E. and R.E. Loeffel. 1967. The length of residence of juvenile fall Chinook salmon in selected Columbia River tributaries. *Fish Commission of Oregon*. 13:5-19.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Relyea, R.A. 2005. The impact of insecticides and herbicides on the biodiversity and productivity of aquatic communities. *Ecological Applications* 15(2): p. 618-27.
- Rice, P. M.; Toney, C.; Bedunah, D. J.; Carlson, C. E. 1997. Plant community diversity and growth form responses to herbicide applications for control of *Centaurea maculosa*. *Journal of Applied Ecology*. 34: 1397-1412.
- Rich, W.H. 1942. The salmon runs of the Columbia River in 1938. *Fisheries Bulletin*. 50:103-47.
- Ricker, W.E. 1959. Evidence for environmental and genetic influence on certain characters which distinguish stocks of the Pacific salmon and steelhead trout. Fisheries Research Board of Canada, Biological Station, Nanaimo, British Columbia.
- Rinella, M.J., and Sheley, R.L. (Montana State University Extension Service). 2002. University of Montana Publications. MT1998 AG .
- Roby, D.D., D.P. Craig, K. Collis, and S.L. Adamany. 1998. Avian predation on juvenile salmonids in the lower Columbia River. Report to the Bonneville Power Administration and the U.S. Army Corps of Engineers. Oregon Cooperative Fish and Wildlife Research Unit, Corvallis, Oregon, and the Columbia River Inter-Tribal Fish Commission, Portland, Oregon. September 1998 revision.
- Rosenshield, M.L., Jofre, M.B., and W.H. Karasov. 1999. Effects of polychlorinated biphenyl 126 on green frog (*Rana clamitans*) and leopard frog (*Rana pipiens*) hatching success, development, and metamorphosis. *Environmental Toxicology and Chemistry* 18:2478-2486.
- Roshon, R.D., Mccann, J.H., Thompson, D.G., Stephenson, G.R. 1999. Effects of seven forestry management herbicides on *Myriophyllum sibiricum*, as compared with other nontarget aquatic organisms. *Can. J. Forest Res.* 29:1158-1169.
- Ross, D., J. K. Reaser, P. Kleeman, and D. L. Drake. 1999. *Rana luteiventris* (Columbia spotted frog). Mortality and site fidelity. *Herpetological Review* 30:163.
- Selleck, G.W., Coupland, R.T., and Franklin, C. 1962. Leafy spurge in Saskatchewan. *Ecological Monographs* 32: p1-29.
- SERA (Syracuse Environmental Research Associated, Inc.) 2003. All risk assessments associated with herbicides can be found in the Regional FEIS USDA 2005b Pacific Northwest Regions Invasive Plant Program, Preventing and Managing Invasive Plants Final Environmental Impact Statement and appendices <http://www.fs.fed.us/r6/invasiveplant-eis/Region-6-Inv-Plant-Toolbox/#link12> accessed 11/2006.
- SERA (Syracuse Environmental Research Associates, Inc.). 1999. Clopyralid (Transline)- Final Report. SERA TR 99-21-11/12-01c. February 27, 1999.
- SERA (Syracuse Environmental Research Associates, Inc.). 1999. Imazapyr - Human Health and Ecological Risk Assessment Priliminary Draft - Program Description. SERA TR 98-21-14-01b. May 6, 1999.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- SERA (Syracuse Environmental Research Associates, Inc.). 2001. Impazapic [Plateau and Plateau DG] - Human Health and Ecological Risk Assessment Final Report. SERA TR 00-21-28-01e. January 28, 2001.
- SERA (Syracuse Environmental Research Associates, Inc.). 2001. Sethoxydim [Poast] - Human Health and Ecological Risk Assessment Final Report. SERA TR 01-43-01-01c. October 31, 2001.
- SERA (Syracuse Environmental Research Associates, Inc.). 2003. Chlorsulfuron - Human Health and Ecological Risk Assessment Preliminary Draft - Introduction and Program Description. SERA TR 02-43-18-01a. April 10, 2003.
- SERA (Syracuse Environmental Research Associates, Inc.). 2003. Metsulfuron methyl - Human Health and Ecological Risk Assessment Preliminary Draft - Introduction and Program Description. SERA TR 02-43-17-01a. April 14, 2003.
- SERA (Syracuse Environmental Research Associates, Inc.). 2003. Picloram - Revised Human Health and Ecological Risk Assessment Final Report. SERA TR 03-43-26-01b. June 30, 2003.
- SERA (Syracuse Environmental Research Associates, Inc.). 2003. Sulfometuron methyl - Human Health and Ecological Risk Assessment Preliminary Draft - Introduction and Program Description. SERA TR 02-43-17-02a. October 16, 2003.
- SERA (Syracuse Environmental Research Associates, Inc.). 2003. Triclopyr - Revised Human Health and Ecological Risk Assessments Final Report. SERA TR 02-43-13-03b. March 15, 2003.
- SERA (Syracuse Environmental Research Associates I. 2003. Glyphosate- Human Health and Ecological Risk Assessment Final Report.
- Sheley, R.L., and Petroff, J.K. , eds. 1999. Biology and management of noxious rangeland weeds. Corvallis OR: Oregon State University Press. 438p.
- Sheley, R.L., and Petroff, J.K., eds. 1999. Biology and management of noxious rangeland weeds. Corvallis OR: Oregon State University Press. 438p.
- Sheley, R.L., Svejcar, T.J., Maxwell, B.D. 1996. A Theoretical Framework for Developing Successional Weed Management Strategies on Rangeland. Weed Technology 10(4):766-73.
- Sheley, R.L., T.J. Svejcar, B.D. Maxwell, and J.S. Jacobs. 1996. Successional Rangeland Weed Management. Rangelands. 18:155-159
- Smith, G.R. 2001. Effects of acute exposure to a commercial formulation of glyphosate on the tadpoles of two species of Anurans. Bull. Environ. Contam. Toxicol. 67: 483-488. 107
- Spence, B.C., G.A. Lomnický, R.M. Hughes and R.P. Novitzki. 1996. An ecosystem approach to salmonid conservation. ManTech Environmental Research Services, Inc., Corvallis, Oregon, to NMFS, Habitat Conservation Division, Portland, Oregon (Project TR-4501-96-6057).

- Spencer, N.R., and Prevost, A.D. 1993. Leafy spurge control--release of aphthona lacertosa beetle in Custer County, Montana. Environmental Assessment. U.S. Department of Agriculture. 16p.
- Stanford, J.A. and J.V. Ward. 1992. Management of aquatic resources in large catchments: recognizing interactions between ecosystem connectivity and environmental disturbance. Pages 91-124 In: R.J. Naiman (editor). Watershed Management: Balancing Sustainability and Environmental Change. Springer-Verlag, publisher, New York. 542pp.
- The Nature Conservancy, 2006. Starthistle Control Using Helicopter Application of Transline and Tordon.--Aerial Monitoring and Application of Herbicide to Control Yellow Starthistle in Rugged Range and Large Landscapes. Unpublished report.
- The Nature Conservancy 2005. The Global Invasive Species Initiative.
<http://tncweeds.ucdavis.edu/> accessed 11/2006.
- Theil, R.P. 1985. The relationship between road densities and wolf habitat suitability in Wisconsin. Am. Midl. Nat. 113:404-407.
- Thomas, J. W.; Maser, C.; Rodiek, J. E. 1979. Wildlife habitats in managed rangelands - the Great Basin of southeastern Oregon: riparian zones. Portland, OR.: USDA Forest Service. Gen. Tech. Rep. PNW-80. 18 p.
- Thompson, D. Q., Stuckey, R. L.; Thompson, E. B. 1987. Spread, impact, and control of purple loosestrife (*Lythrum salicaria*) in North American wetlands. Washington, D.C.: USDI Fish and Wildlife Service; Research Report No. 2. 55 p.
- Timchalk C; Finco DR; Quast JF. 1997. Evaluation of renal function in rhesus monkeys and comparison to beagle dogs following oral administration of the organic acid triclopyr (3,5,6-trichloro-2-pyridinyloxyacetic acid). Fundam Appl Toxicol. 36(1): 47-53.
- Timchalk C; Nolan RJ. 1997. Pharmacokinetics of triclopyr (3,5,6-trichloro-2-pyridinyloxyacetic acid) in the beagle dog and rhesus monkey: perspective on the reduced capacity of dogs to excrete this organic acid relative to the rat, monkey, and human. Toxicology and Applied Pharmacology. 144 (2): 268-278.
- Tisdale, E.W. 1983. Grasslands of western North America: The PacificNorthwest Bunchgrass. Pages 223-245 in A.C. Nicholson, A. McLean, and T.E. Baker (editors), Grassland ecology and classification symposium proceedings, Ministry of Forest, Province of British Columbia, Victoria, British Columbia, Canada.
- Tu, M., C. Hurd, and J.M Randall. 2001. Weed Control Methods Handbook: Tools and Techniques for Use in Natural Areas. <http://tncweeds.ucdavis.edu/handbook.html>. April 2001 revision.
- Tu, M., C.Hurd and J.M. Randall. 2001. Weed Control Methods Handbook: Tools and Techniques for Use in Natural Areas, Version date: April 2001. The Nature Conservancy, University of California, Davis, California. Available online at:
<http://tncweeds.ucdavis.edu/handbook.html>

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Tu, M., Rice, B., TNC/WIST. 2002. Eco-Weeder (Puzzy Boy) [Web Page]. Located at: <http://tncweeds.ucdavis.edu/tools/puzzy.html>. Accessed 2005 Feb 23.
- U.S. Department of Agriculture, Forest Service. 1999. Stemming the invasive tide: Forest Service strategy for noxious and nonnative invasive plant management. Washington Office. Washington, D.C.
- U.S. Department of Agriculture, Forest Service. 2001. Guide to Noxious Weed Prevention Practices. Washington Office. Washington, D.C.
- U.S. Department of Agriculture, Forest Service. 2001. Invasive Plant Management Decisions and Environmental Analyses.
- U.S. Department of Agriculture, Forest Service. 2004. National Strategy and Implementation Plan for Invasive Species.
- U.S. Fish and Wildlife Service. 1986. Recovery Plan for the Pacific Bald Eagle. U.S. Department of the Interior, Fish and Wildlife Service. Portland, OR. 160 pp.
- U.S. Forest Service. 1990. Land and Resource Management Plan, Umatilla National Forest. USDA, Forest Service, Pacific Northwest Region (6), Wallowa-Whitman National Forest.
- Upper Grand Ronde Subbasin Water Quality Management Plan. 2000. Grand Ronde Water Quality Committee. <http://www.deq.state.or.us/wq/tmdls/UprGR/UprGRWQMP.pdf>
- USDA 2005a Pacific Northwest Regions Invasive Plant Program, Preventing and Managing Invasive Plants Record of Decision. R6-NR-FHP-PR-02-05.
- USDA 2005b Pacific Northwest Regions Invasive Plant Program, Preventing and Managing Invasive Plants Final Environmental Impact Statement and appendices.
- USDA Forest Service, 1995 Environmental Assessment for the Management of Noxious Weeds. Umatilla National Forest. 92pp.
- USDA Forest Service, 2004. National Strategy and Implementation Plan for Invasive Species Management FS-805. http://www.fs.fed.us/invasivespecies/documents/Final_National_Strategy_100804.pdf accessed 11/06.
- USDA Forest Service, 2006. Pacific Northwest Region Six White Paper NEPA for Invasive Plant Biological Controls and Compliance with Standard 14.
- USDA Forest Service, 2006b. Weed management, Custer National Forest Draft EIS , Appendix N. Drift Model Results. http://www.fs.fed.us/r1/custer/projects/Planning/weed_eis/
- USDA Forest Service 1999a. Invasive Species Executive Order 13112. <http://www.fs.fed.us/r6/weeds/execorder.htm>, accessed 11/06.
- USDA Forest Service. 1998. Stemming the Invasive Tide: Forest Service Strategy for Noxious and Nonnative Invasive Plant Management. National Office, Washington, D.C.

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- USDA Forest Service. 1999b. Noxious Weed Strategy. Pacific Northwest Region, Portland, Oregon.
- USDA Forest Service. 2005a. Biological Assessment for the USDA Forest Service, Pacific Northwest Region, Invasive Plant Program. USDA Forest Service, Pacific Northwest Region, Portland, OR. June 17, 2005. 452pp + appendices.
- USDA Forest Service. 2005b. Pacific Northwest Region Invasive Plant Program Record of Decision. USDA Forest Service, Pacific Northwest Region, Portland, OR. October 2005, R6-NR-FHP-PR-02-05. 39 pp. + appendices.
- USDA Forest Service. 2005c. Fisheries Biological Assessment for USDA Forest Service, Pacific Northwest Region, Invasive Plant Program, Environmental Impact Statement. USDA Forest Service, Pacific Northwest Region, Portland, OR. 221pp.
- USDA Forest Service. 2001. Guide to Noxious Weed Prevention Practices. U.S. Department of Agriculture, Forest Service, Washington, D.C.
- USDA Forest Service. 2003. Human and Ecological Risk Assessment of NPE Surfactants in Forest Service Herbicide Applications, 2003. David Bakke. Pacific Southwest Region. Vellego, California.
- USDI Fish and Wildlife Service. 1987. Northern Rocky Mountain Wolf Recovery Plan. U.S. Fish and Wildlife Service, Denver, Colorado. 119 pp.
- USDI Fish and Wildlife Service. 2003. Biological Opinion and Letter of Concurrence for Effects to Bald Eagles, Marbled Murrelets, Northern Spotted Owls, Bull Trout, and Designated Critical Habitat for Marbled Murrelets and Northern Spotted Owls from Gifford Pinchot National Forest and Columbia River Gorge National Scenic Area (Washington side) Program of Activities for August 5, 2003, to December 31, 2008. Lacey, WA: U.S. Fish and Wildlife Service, Western Washington Fish and Wildlife Office.
- USDI Fish and Wildlife Service. 1986. Recovery plan for the Pacific Bald Eagle. Portland, OR: U.S. Fish and Wildlife Service.
- USDI Fish and Wildlife Service. 1996. Endangered and Threatened Wildlife and Plants: Review of Plant and Animal Taxa that are Candidates for Listing as Endangered or Threatened Species. Federal Register 61(40):7596-7613.
- USDI. 2000. Determination of Threatened status for the contiguous United States distinct population segment of the Canada Lynx and related rule; final rule. USDI, Fish and Wildlife Service, Federal Register 65 (58) 16052-16086.
- USDI. 2003. Endangered and threatened wildlife and plants; notice of remanded determination of status for the contiguous United States distinct population segment of the Canada lynx; clarification of findings; final rule. U.S. Fish and Wildlife Service. Federal Register 50 Code of Federal Regulations, Part 17, Volume 68(128):6840076-6840101.
<http://a257.g.akamaitech.net/7/257/2422/14mar20010800/edocket.access.gpo.gov/2003/pdf/03-16664.pdf>

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- USDI. 2003. Rocky Mountain Wolf Recovery 2002 Annual Report.
<http://www.fws.gov/mountain-prairie/species/mammals/wolf/annualrpt03/>
- USDI. 2003. Final rule to reclassify and remove the gray wolf from the list of endangered and threatened wildlife in portions of the conterminous United States. Federal Register 68 (62):15804-15882, 50CFR Part 17, April 1, 2003.
- USFWS, 2005b- Ref No 1-07-05-7-0653. <http://www.fs.fed.us/r6/invasiveplant-eis/Region-6-Inv-Plant-Toolbox/#link01> accessed 1/07
- USFWS. 2007. Recovery Plan for *Silene spaldingii* (Spalding's Catchfly). U.S. Fish and Wildlife Service, Portland, Oregon. 186 pp.
- Utah State University, Launchbaugh//K. 2004 BEHAVE:Behavioral Education for Human, Animal, Vegetation, & Ecosystem Management: Noxious Weeds: Cleaning up the rangeland plate: Teaching livestock noxious weeds [Web Page]. Located at:
<http://www.behave.net/projects/range-weeds2003.html>. Accessed 2005 Jan 25.
- Utter, F., G. Milner, G. Staahl, and D. Teel. 1989. Genetic population structure of Chinook salmon, *Oncorhynchus tshawytscha*, in the Pacific Northwest. Fishery Bulletin 87(2): 239-264.
- Valdez, R. and P.R. Krausman. 1999. Description, distribution and abundance of mountain sheep in North America. Pages 3 - 22 in Mountain sheep of North American, eds. R. Valdez and P.R. Krausman. The University of Arizona Press, Tucson, AZ.
- Waples, R. S., O. W. Johnson, P. B. Aebersold, C. K. Shiflett, D. M. VanDoornik, D. J. Teel, and A. E. Cook 1993. A genetic monitoring and evaluation program for supplemented populations of salmon and steelhead in the Snake River basin, Bonneville Power Administration: 159.
- Waples, R.S., R.P. Jones, Jr., B.R. Beckman and G.A. Swan. 1991. Status review for Snake River fall Chinook salmon. U.S. Department of Commerce, NOAA Technical Memo. NMFS-F/NWC-201, 73pp.
- Washington Department of Agriculture. 2003. Crop data for the state of Washington.
- Washington Department of Ecology. 1998. Impaired and Threatened Water Bodies.
<http://www.ecy.wa.gov/services/gis/maps/wria/303d/303d.pdf.htm>
- Washington Department of Fish and Wildlife. 2003. Game Management Plan: July 2003-June 2009.
- Washington Herp Atlas. 2005. Washington Natural Heritage Program, Washington Dept. of Fish & Wildlife, and U.S.D.I. Bureau of Land Management.
<http://www.dnr.wa.gov/nhp/refdesk/herp/>
- Washington Natural Heritage Program, Washington Dept. of Fish & Wildlife, and U.S.D.I. Bureau of Land Management. 2005. Washington Herp Atlas. [Online]. Available: <http://www.dnr.wa.gov/nhp/refdesk/herp/>. [Access date unknown.]

INVASIVE PLANT BIOLOGICAL ASSESSMENT
Umatilla and Wallowa-Whitman National Forests
9/8/2008

- Watson, A.K., and Renney, A.J. 1974. The biology of Canadian weeds, *Centaurea diffusa* and *C. maculosa*. *Canadian Journal of Plant Science* 54: p.678-701.
- Watson, J. W., K.R. Allister, and D. J. Pierce. 2003. Home Ranges, Movements, and Habitat Selection of Oregon Spotted Frogs (*Rana pretiosa*). *Journal of Herpetology* Vol. 37, Issue 2 pp. 292-300.
- WDF (Washington Department of Fisheries), Washington Department of Wildlife (WDW), and Western Washington Treaty Indian Tribes (WWTIT). 1993. 1992 Washington State salmon and steelhead stock inventory (SASSI). Washington Department of Fish and Wildlife, Olympia, Washington. 212 pp. and 5 regional volumes.
- Weihe, P. E.; Neely, R. K. 1997. The effects of shading on competition between purple loosestrife and broad-leaved cattail. *Aquatic Botany*. 59:127-138.
- Weiher, E., I.C. Wisheu, P.A. Keddy, and D.R.J. Moore. 1996. Establishment, persistence, and management implications of experimental wetland plant communities. *Wetlands*. 16(2):208-18.
- Welch, L. J. 1994. Contaminant burdens and reproductive rates of bald eagles in Maine. MS Thesis, University of Maine, Orono, Maine, 87 pp.
- Whisenant, S.G. 1990. Changing fire frequencies on Idaho's Snake river plains: ecological and management implications. In: McArthur, E.D.; Romney, E. M.; Smith, S. D.; Tueller, P. T. eds. *Proceedings of a Symposium on Cheatgrass Invasion, Shrub Die-off, and Other Aspects of Shrub Biology and Management*. U.S. Forest Service Gen. Tech. Rep. INT-276. Ogden, UT.: Intermountain Forest and Range Experiment Station: 4-10.
- Wilcove, D.S., D. Rothstein, J. Duboe, A. Phillips and E. Losos. 1998. Quantifying threats to imperiled species in the United States: assessing the relative importance of habitat destruction, alien species, pollution, overexploitation, and disease. *Bioscience* 48:607-615.
- Wilde, S. B., S. deKozlowski, and T. Murphy. 2004. Invasive Weeds, Blue-Green Algae, Coots, and Bald Eagles: a deadly trophic cascade. *Aquatic Nuisance Species Digest*, Vol. 5, No. 2.
- Wisdom, M.J., R.S. Holthausen, B.C. Wales, C.D. Hargis, V.A. Saab, D.C. Lee, W.J. Hann, T.D. Rich, M.M. Rowland, W.J. Murphy and M.R. Earnes. 2000. Source habitats for terrestrial vertebrates of focus in the Interior Columbia Basin: Broad-scale trends and management implications, Volume 2 – Group level results. Gen. Tech. Rep. Threatened and Endangered Species, Sensitive Species and Management Indicator Species and the level of analysis required. PNW-GTR-485. pp. 181-190; 199-208; 219-223; 237-241; 242-248; 258-265; 293-297.