

References

- Anderson, P.B., D.D. Susong, S.R. Wold, V.M. Heilweil, and R.L. Baskin. 1994. *Hydrogeology of Recharge Areas and Water Quality of the Principal Aquifers Along the Wasatch Front and Adjacent Areas, Utah*. Water-Resources Investigations Report 93-4221. Report prepared for the U.S. Geological Survey and the Utah Department of Environmental Quality, Division of Water Quality.
- Anson, Ken. 2009. Personal communication between Ken Anson, UTA, and Robin Hutcheson, Fehr & Peers, via e-mail regarding reliability statistics for bus route 830. August.
- Baskin, Robert L., Kidd M. Waddell, Susan A. Thiros, Elise M. Giddings, Heidi K. Hadley, Doyle W. Stephens, and Steven J. Gerner. 2002. *Water-Quality Assessment of the Great Salt Lake Basins, Utah, Idaho, and Wyoming—Environmental Setting and Study Design*. Water-Resources Investigations Report 02-4115. Report prepared for the U.S. Department of the Interior, U.S. Geological Survey, and National Water-Quality Assessment Program.
- Burden, C.B. and others. 2003. *Ground-Water Conditions in Utah, Spring of 2003, Cooperative Investigations Report No. 44*. Report prepared for the U.S. Geological Survey and the Utah Department of Natural Resources, Division of Water Resources and Division of Water Rights.
- Bureau of Land Management. 1986. Visual Resource Contrast Rating. BLM Manual Handbook 8431-1.
- [BYU] Brigham Young University. 2008. Personal communication between Ole Smith, BYU facilities director, and Robin Hutcheson, Fehr & Peers, regarding BYU campus facilities.
- Cassel, Matthew D. and Richard King. 2005. Memorandum between Cassel and King, Psomas, and Dave Wham of the Utah Department of Water Quality. *Utah Lake TMDL Data Validation and Evaluation*. 15 July.
- Chace, Jameson F. and John J. Walsh. 2006. Urban Effects on Native Avifauna: A Review. *Landscape and Urban Planning*. Volume 74, Issue 1: 46-69.
- Christiansen, Gwen. 2008. E-mail communication between Gwen Christiansen, EPA, and Mallory Bateman of H.W. Lochner. 23 July.
- Clayton, Andrea. 2008a. Personal communication between Clayton, H.W. Lochner, and Greg Beckstrom of Provo City regarding Mill Race. 17 November.
- . 2008b. Personal communication between Clayton, H.W. Lochner, and Charles Williamson, Utah Division of Water Rights, regarding Mill Race and the Provo River. 6 October.

Clean Water Act of 1972, 33 USC 1251.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 USC 9601.

Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. U. S. Department of the Interior, Fish and Wildlife Service.

[DWQ] Department of Environmental Quality, Division of Water Quality. [No date]. *Utah Lake*. <http://www.waterquality.utah.gov/watersheds/lakes/UTAHLAKE.pdf> Accessed 3 October 2008.

———. 2006. *Utah's 2006 Integrated Report, Volume II—303(d) List of Impaired Waters*. 1 April.

Eagle Protection Act of 1940, 16 USC 668.

Edwards, Doug. 2008. Telephone communication between Doug Edwards, Orem City, and Mike Franz, H.W. Lochner, regarding public safety. 21 August.

Energy Information Administration, Department of Energy. 2008a. Transportation Sector Energy Consumption. <http://www.eia.doe.gov/oiaf/ieo/transportation.html>. Accessed 31 December.

———. 2008b. U.S. Primary Energy Consumption by Source and Sector. http://www.eia.doe.gov/emeu/aer/pecss_diagram.html. Accessed 31 December 2008.

Endangered Species Act of 1973, 16 USC 1531 to 1543.

[EPA] Environmental Protection Agency. 1992. Guideline for Modeling Carbon Monoxide from Roadway Intersections, EPA-454/R-92-005, Office of Air Quality Planning and Standards. November.

———. 1993. Estimating Idle Emission Factors Using MOBILE5, MOBILE5 Information Sheet #2, Office of Mobile Sources, NVFEL, AQAB. 30 July.

———. 1995. *User's Guide to CAL3QHC Version 2.0: A Modeling Methodology for Predicting Pollutant Concentrations Near Roadway Intersections, EPA-454/R-92-006 (Revised)*. Office of Air Quality Planning and Standards. September.

———. 2003. User's Guide to MOBILE6.1 and MOBILE6.2: Mobile Source Emission Factor Model, EPA-420-R-03-010, Assessment and Standards Division, Office of Transportation and Air Quality. August.

- . 2006. Transportation Conformity Guidance for Qualitative Hot-Spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas, EPA420-B-06-902, Office of Transportation and Air Quality in conjunction with the Office of Natural and Human Environment (FHWA). March.
- . 2008a. CERCLA – The Hazardous Waste Cleanup Program. *RCRA Orientation Manual 2008*.
- . 2008b. National Primary and Secondary Ambient Air Quality Standards, 40 CFR 50. May 27.
- . 2009. Fine Particle (PM_{2.5}) Designations. <http://www.epa.gov/pmdesignations/>.
- [ERA] Economics Research Associates. 2006. Downtown Real Estate Market Analysis. Prepared for City of Provo. 30 November.
- Executive Order (EO) 11988 Floodplain Management. 24 May 1977.
- Executive Order (EO) 11990 Protection of Wetlands. 24 May 1977.
- Executive Order (EO) 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations. 1994.
- Executive Order (EO) 13112 Invasive Species. 3 February 1999.
- Federal Law, 23 CFR 771.
- Federal Law, 36 CFR 60.4.
- Federal Law, 36 CFR 800.
- Federal Law 40 CFR 1500 to 1508.
- Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, amended July 2008.
- Fehr & Peers. 2010a. Parking Saved Calculation Memorandum. 16 October.
- . 2010b. Traffic Analysis Memorandums. 22 November.
- [FEMA] Federal Emergency Management Agency. Flood Insurance Rate Maps, panels 490216 0005A, 49015 0006E, 490159 0016C.
- [FHWA] Federal Highway Administration. 1987. Guidance for Preparing and Processing Environmental and Section 4(f) Documents. Section 21, Visual Impacts. <http://www.environment.fhwa.dot.gov/projdev/impTA6640.asp#vis>. Accessed 6 October 2008.

- . 2005a. Section 4(f) Policy Paper. 1 March.
- . 2005b. Guidance for Determining *De Minimis* Impacts to Section 4(f) Resources. 13 December.
- Fish and Wildlife Conservation Act of 1958, 16 USC 2901 to 2911.
- [FTA] Federal Transit Administration. 1995. *Federal Transit Administration Design and Art in Transit Projects*. 9 June.
- . 2006. *Transit Noise and Vibration Impact Assessment*. May.
- . 2010. Utah Transit Authority Provo–Orem Bus Rapid Transit Project, Utah County, Utah, Determinations of Eligibility, Findings of Effect, and Notification of Section 4(f) *De Minimis* Impact Findings. 15 October.
- Goodrich, Paul. 2010. E-mail communication between Paul Goodrich, City of Orem Transportation Engineer, and Saffron Capson, H.W. Lochner, regarding TOD zones surrounding the future Orem Intermodal Center. 11 August.
- Governor’s Office of Planning and Budget. [No date]a. State of Utah Subcounty Population Projections (Total Population). Prepared by the Demographic and Economic Analysis Section. <http://governor.utah.gov/dea/popprojections.html>. Accessed 27 August 2008.
- . [No date]b. Population Estimates: The State of Utah and Counties 1940-2008. <http://www.governor.utah.gov/dea/popestimates.html>. Accessed 4 October 2008.
- Great Salt Lake Basin Hydrologic Observatory. [No date]a. *Great Salt Lake Basin Watershed Description*. <http://greatsaltlake.utah.edu/description/>. Accessed 1 October 2008.
- . [No date]b. *Utah Lake Watershed*. <http://greatsaltlake.utah.edu/description/>. Accessed 1 October 2008.
- Hansen, Allen & Luce, Inc. 1998a. *Drinking Water Source Protection Plan, City of Orem, Well No. 1*. Prepared for Orem City. October.
- . 1998b. *City of Orem Storm Drainage Master Plan*. Prepared for City of Orem. December.
- Holzapfel, Richard N. 1999. *A History of Utah County*. Utah County Commission.
- Horns, Daniel. 2005. *Utah Lake Comprehensive Management Plan Resource Document*. Report prepared for Department of Earth Science, Utah Valley State College. May.
- Kallas, Rob. 2009. Personal communication between Rob Kallas, University Mall manager, and Robin Hutcheson, Fehr & Peers. 24 December.
- Lochner. 2010a. Provo–Orem Bus Rapid Transit Concept Design.

- . 2010b. Provo-Orem Bus Rapid Transit Compiled Cost Estimates. August.
- . 2010c. University Avenue Tree and Parking Analysis. October.
- . 2010d. Provo-Orem Bus Rapid Transit Public Involvement Summary. December.
- [MAG] Mountainland Association of Governments. [No date]. Major Employers in Utah Valley (2005). http://www.mountainland.org/Economic_Development/Business/Employers.pdf. Accessed February 2008.
- . . 2005. *Provo-Orem Rapid Transit Corridor Feasibility Study*.
- . 2007. Regional Transportation Plan 2007 – 2030. June.
- . 2009a. Central Utah Valley Bicycle and Pedestrian Connectivity Map. Produced by Kory Iman. July.
- . 2009b. Regional Travel Demand Model. Version 6.1
- . 2010. Revised Resolution of the Mountainland Association of Governments Regional Planning Committee Endorsing the Locally Preferred Alternative as Identified in the Alternatives Screening Process for the Provo/Orem Rapid Transit Project. 2 September.
- Mead, Elwood, H.P. Stover, A.F. Doremus, J.D. Stannard, Frank Adams, and G.L. Swenden. 1904. *Report of Irrigation Investigations in Utah*. Report prepared for the U.S. Department of Agriculture.
- Migratory Bird Treaty Act of 1918, 16 USC 701 to 715s.
- Mountainland Association of Governments, Utah Department of Transportation, Utah Transit Authority, and Wasatch Front Regional Council. 1999. *Inter-Regional Corridor Alternatives Analysis*.
- National Historic Preservation Act of 1966, 16 USC 470 et seq.
- Olsen, Darren, Melissa Stamp, Ed Oborny, and Craig Addley. 2003. *Deer Creek Reservoir to Utah Lake, Provo River Flow Study, Flow-Habitat and Flow-Ecological Relationships within the Riverine Ecosystem: Aquatic Habitat, Riparian Vegetation, Recreational Uses, Fluvial Processes*. Report prepared by BIO-WEST, Inc., for the Utah Reclamation Mitigation and Conservation Commission. March.
- Orem City. [No date]. Orem Neighborhood Boundaries. <http://gis.orem.org/WILMap/WhereILiveMap.isa?layer=Comm> – Orem Neighborhood Boundaries. Accessed 10 August 2009.
- . 1990. *Flood Damage Prevention*, §10-1-1.

- . 2002. *The City of Orem Storm Water Management Plan*.
- . 2008a. *Orem City General Plan 2001*. Amended January.
- . 2008b. Resolution R-08-0021: A Resolution of the City Council of Orem, Utah, Adopting a Plan for Future Center Running Bus Rapid Transit Improvements on University Parkway as part of the City Transportation Master Plan. 12 August.
- . 2010a. Draft TOD Ordinance. Section 22-11-44. PD-31 Zone (Intermodal Center – 1350 West 900 South).
- Parrish, J. R., F. P. Howe, and R. E. Norvell. 2002. *Utah Partners in Flight Avian Conservation Strategy Version 2.0*. Utah Division of Wildlife Resources, Utah Partners in Flight Program, Salt Lake City, UT.
- Plant Protection Act, 7 USC 7701.
- Provo City. [No date]. *Provo City Code: Title 14, Chapter 14.33 Flood Plain Zone*.
- . 2009a. *Provo City General Plan*. Amended August 11.
- . 2009b. Provo City Code. Chapter 14.23. Interim Transit Oriented Development Zone.
- . 2010. Resolution 2010-39: A Joint Resolution Supporting Further Evaluation of a Center-Running Bus Rapid Transit Alignment within the University Avenue Right-of-Way between 700 North and the Future Provo Intermodal Center in Provo, Utah. 5 May.
- Provo City Community Development Department. 2009. Provo City Neighborhoods Map. 7 May.
- Psomas & SWCA. 2007. *Utah Lake TMDL: Pollutant Loading Assessment & Designated Beneficial Use Impairment Assessment, Final Draft*. Prepared for the State of Utah Division of Water Quality. August.
- Reese, Paul. 2009. E-mail communication between Paul Reese, BYU, and Laynee Jones, H.W. Lochner, regarding BYU employment numbers. August.
- Riley, Kristen. 2008. Telephone communication between Kristen Riley, Provo City, and Mike Franz, H.W. Lochner, regarding public safety. 21 August.
- Safe Drinking Water Act, 40 CFR 141 to 142. 1974.
- [SAFETEA-LU] Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, Sections 6002 and 6009. 10 August 2005.
- Stamp, Melissa, Darren Olsen, and Tyler Allred. 2008. *Lower Provo River Ecosystem Flow Recommendations Final Report*. Report prepared by BIO-WEST, Inc., for the Utah Reclamation Mitigation and Conservation Commission. September.

- SWCA Environmental Consultants. 2009a. Historic Buildings Assessment for the Proposed Bus Rapid Transit Project in Orem and Provo, Utah County. December.
- . 2009b. Provo-Orem Bus Rapid Transit Project, Archaeological and Linear Resources Assessment. December.
- . 2010a. Addendum to: Historic Buildings Assessment for the Proposed Bus Rapid Transit Project in Orem and Provo, Utah County. September.
- . 2010b. Provo to Orem Bus Rapid Transit Biological Resources Technical Report. September.
- . 2010c. Wetland Delineation of Provo Orem Bus Rapid Transit Study Area. October.
- Transportation Research Board. 2000. *Highway Capacity Manual: 2000*.
- [UDAQ] Utah Division of Air Quality. 2008. Division of Air Quality 2007 Annual Report. http://www.airquality.utah.gov/Public-Interest/annualreport/2007_Annual%20Report%20Final.pdf. Accessed 3 March 2008.
- [UDOT] Utah Department of Transportation. 2003. *Air Quality Hot Spot Manual*. Salt Lake City. May.
- . 2008a. *Noise Abatement Policy*.
- . 2008b. *Final I-15 Corridor Utah County to Salt Lake County Environmental Impact Statement and Final Section 4(f) Evaluation*. June.
- . 2010. Statewide Transportation Improvement Program 2010 – 2015. June.
- [UDWR] Utah Division of Wildlife Resources, Utah Department of Natural Resources. 2007. County Lists of Utah's Federally Listed Threatened(T), Endangered(E), and Candidate(C) Species.
- [UDWR] Utah Division of Wildlife Resources. 2008. Utah's Sensitive Species List.
- [UGS] Utah Geological Survey, Utah Department of Natural Resources. 2008a. Email correspondence between Vicky Dyson, UGS, and Mike Franz, H.W. Lochner, regarding energy and mineral resources. 20 August.
- . 2008b. Email correspondence between David Tabet, UGS, and Mike Franz, H.W. Lochner, regarding energy and mineral resources. 25 August 2008.
- . 2008c. Overview of U.S. and Utah Energy Trends- 1.14: Energy Consumption in Utah by Source. Accessed 4 September 2008.

[USACE] U.S. Army Corps of Engineers. 1987. Environmental Laboratory. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi.

———. 2008. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region. U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi.

———. 2010. Preliminary Jurisdictional Determination for the UTA Provo-Orem Bus Rapid Transit Project. 23 November.

U.S. Census Bureau. [No date]. American Fact Finder Online Database: 2000 Census. http://factfinder.census.gov/home/saff/main.html?_lang=en. Accessed 10 August 2009.

U.S. Department of Health and Human Services. 2005. *The 2000 HHS Poverty Guidelines*. <http://aspe.hhs.gov/poverty/00poverty.htm>. Accessed 9 August 2009.

U.S. Department of Transportation. 1995. *Order to Address Environmental Justice in Minority Populations and Low-income Populations*. April.

U.S. Department of Transportation Act of 1966, Section 4(f), 49 USC 303.

U.S. Department of Transportation Act of 1966, Section 5309, Major Capital Investments (New Starts and Small Starts). 49 USC 5309.

[USFWS] U.S. Fish and Wildlife Service. 1995. Ute-ladies' tresses (*Spiranthes diluvialis*) Recovery Plan. Denver, CO.

———. 1999. June Sucker (*Chasmistes liorus*) Recovery Plan.

[UTA] Utah Transit Authority. 2007. *Provo to Salt Lake FrontRunner Final Environmental Study Report*. October.

———. 2008a. 2007 Comprehensive Annual Financial Report. June 1.

———. 2008b. 2008 Ridership summary data.

———. 2008c. UTA System Maps. <http://www.rideuta.com/ridingUTA/schedules/maps/default.aspx>. Accessed February 2008.

———. 2009. Regular Bus Service Manual Passenger Counts (Route 830). September.

Utah Administrative Code (UAC) R68-9. Utah Noxious Weed Act.

Utah Administrative Code (UAC) R307-205. Emission Standards: Fugitive Emissions and Fugitive Dust.

Utah Administrative Code (UAC) R317-6. Ground Water Quality Protection.

- Utah Administrative Code (UAC) R317-7. Underground Injection Control (UIC) Program.
- Utah Administrative Code (UAC) R655-13, Stream Alteration.
- Utah County. [No date]. Climate. <http://www.co.utah.ut.us/CoInfo/Climate.asp>. Accessed 16 December 2009.
- Utah Department of Environmental Quality, Division of Water Quality. 2006. Utah 2006 Integrated Report: Volume 1 – 305(b) Assessment. June 15.
- Utah Division of Oil, Gas & Mining, Utah Department of Natural Resources. 2008. Email correspondence with Chris Rohrer. 26 August.
- Utah Reclamation Mitigation and Conservation Commission. [No date]. Provo River Flows. http://www.mitigationcommission.gov/watershed/provoriver/provoriver_flow.html. Accessed 3 October 2008.
- Utah Transit Authority, Mountainland Association of Governments, Utah Department of Transportation, City of Orem, City of Provo, Utah Valley State College, and Brigham Young University. 2007. Memorandum of Agreement for the Provo-Orem Corridor Alternatives Analysis, Draft Environmental Impact Statement and Preliminary Engineering. 31 July.
- [UVU] Utah Valley University. 2006. Parking Lot Report: October 2006. http://www.uvu.edu/parking/statistics/pdf/ParkingStallReportOct_2006.pdf. Accessed February 2008.
- . 2007. UVU Campus Master Plan.
- . 2008. *Utah Valley University Factbook 2008–2009*.
- . 2009. Personal communication between McKay Events Center employee and Mallory Bateman, H.W. Lochner, regarding number of events held at McKay Events Center. 11 December.
- WCEC Engineers. 2010. Ridership Forecasts Technical Memorandum. 13 September.
- Western Regional Climate Center. [No date]. Provo BYU, Utah (427064): Monthly Climate Summary. <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ut7064>. Accessed 16 December 2009.
- Willsey, Shawn. 2002. *Addendum to Drinking Water Source Protection Plan (DWSP)—Provo City Wellfield, Provo City Water System, Public Water System No. 25006*. Prepared by Montgomery Watson Harza for Provo City. 29 July.