

**BEFORE THE STATE ENGINEER, STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES,  
DIVISION OF WATER RESOURCES**

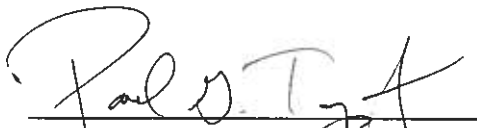
IN THE MATTER OF APPLICATION  
NOS., 53987 through 53992, INCLUSIVE,  
FILED BY SOUTHERN NEVADA WATER  
AUTHORITY TO APPROPRIATE THE  
UNDERGROUND WATERS OF THE  
CAVE VALLEY, DRY LAKE VALLEY,  
AND DELAMAR VALLEY  
HYDROGRAPHIC BASINS  
(108, 181, 182)  
LINCOLN COUNTY, NEVADA VALLEY

**EXHIBIT LIST OF SOUTHERN  
NEVADA WATER AUTHORITY  
FOR HEARING ON  
FEBRUARY 4, 2008**

COMES NOW, SOUTHERN NEVADA WATER AUTHORITY, by and through  
its attorneys, PAUL G. TAGGART, ESQ., of the law firm of TAGGART & TAGGART,  
LTD., and MICHAEL VAN ZANDT, ESQ., of the law firm MCQUAID BEDFORD &  
VAN ZANDT LLP., and submits its exhibit list for the hearing to be conducted by the  
State Engineer beginning February 4, 2008.

Submitted this 15<sup>th</sup> day of November, 2007

TAGGART & TAGGART, LTD.



PAUL G. TAGGART, ESQ.  
Nevada State Bar No. 6136  
108 North Minnesota Street  
Carson City, Nevada 89703  
(775) 882-9900 – Telephone  
(775) 883-9900 – Facsimile

MCQUAID BEDFORD &  
VAN ZANDT LLP



MICHAEL J. VAN ZANDT, ESQ.  
Nevada State Bar No. 7199  
221 Main Street, 16<sup>th</sup> Floor  
San Francisco, California 94105  
(415) 905-0200 – Telephone  
(415) 905-0202 – Facsimile

**EXHIBIT  
NO. EXHIBIT DESCRIPTION**

---

- 201 Witness List
- 202 Exhibit List
- 203 Application 53987
- 204 Application 53988
- 205 Application 53989
- 206 Application 53990
- 207 Application 53991
- 208 Application 53992
- 209 Protest to Application 53987 U.S. Bureau of Land Management; Robert C. Lewis; Dorothy M. Thompson; Las Vegas Fly Fishing Club; County of Inyo, California; Steven W. Klomp; Vernal J. Mortensen and Chester R. Johnson d.b.a. Sunnyside Ranch; Preston Irrigation Company; City of Caliente; Nevada Cattlemen's Association, Eastern Unit; Sheila Hunt; Roger W. Ashby; Barbara L. Bradshaw; Carter-Griffin Inc., d.b.a. Carter Cattle Co., Gardner's Quarter Circle 5 Ranch; Mary S. Hager; Elma Harris; Lund Irrigation and Water Co.; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. Fish and Wildlife Service; County of Nye; Frank Lloyd; Mick Lloyd; U.S. National Park Service; Roy W. Wilcox; Unincorporated Town of Pahrump, and Bureau of Indian Affairs on behalf of Ely Shoshone Tribe
- 210 Protest to Application 53988 Citizen Alert; U.S. Bureau of Land Management; Robert C. Lewis; Dorothy Bicknell; Jack R. Cooper; Virginia Kreimeyer; John M. Wadsworth; Lois H. Conklin; County of Inyo, California; Torrie O. Klomp; Toiyabe Chapter of the Sierra Club; Vernal J. Mortensen and Chester R. Johnson d.b.a. Sunnyside Ranch; Preston Irrigation Company; City of Caliente; Nevada Cattlemen's Association, Eastern Unit; Robert L. Birch; Barbara L. Bradshaw; Carter-Griffin Inc., d.b.a. Carter Cattle Co.; Ely Shoshone Tribe; Beverly R. Gaffin; Mary C. Katschke; Debra W. Lani (now Whipple); Lund Irrigation and Water Co.; John Maio; Alex Nickell; Willard A. Phillips; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. National Park Service; Unincorporated Town of Pahrump, and Bureau of Indian Affairs on behalf of Ely Shoshone Tribe

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 211 Protest to Application 53989 U.S. Bureau of Land Management; Anthony Wells; Frank C. Hulse; Yvonne Stackhouse; Renee Vincent; Richard Vincent; Steve T. Sendlein; John M. Wadsworth; Candy Haley; City of Caliente; Wilford L. Cantrell; Lillian E. Edwards; James I. Lee; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. Fish and Wildlife Service; County of Nye; Frank Delmue; William G. Schoenberg; Mary Smith; U.S. National Park Service; James R. Prince; and Unincorporated Town of Pahrump
- 212 Protest to Application 53990 Citizen Alert; U.S. Bureau of Land Management; Reion Lee; Grace Wallis; Alex P. Coroneos and Steve T. Sendlein; Jack E. Cupples; Kathryn J. Miller; John M. Wadsworth; Richard J. Walters; Ruby Walters; County of Inyo, California; City of Caliente; Ely Shoshone Tribe; James I. Lee; Lund Irrigation and Water Co.; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. Fish and Wildlife Service; County of Nye; Frank Delmue; Karl and Gerry Hanning; Genevieve D. Logan; U.S. National Park Service; and Unincorporated Town of Pahrump
- 213 Protest to Application 53991 Wess D. Mecham; George T. Rowe; Rosemary Maxwell; U.S. Bureau of Land Management; Helen Barton; Marian Lawrence; Stanley L. Wallis; County of Inyo, California; Pahrageat Valley Joint Services Board; Glenn Van Roekel; Town of Alamo Water and Sewer Board; City of Caliente; Joseph C. Fox, Jr.; Wesley A. Holt; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. Fish and Wildlife Service; County of Nye; U.S. National Park Service; Unincorporated Town of Pahrump; and Frank R. Wheeler
- 214 Protest to Application 53992 U.S. Bureau of Land Management; Mariba Singleton; Charlotte M. Wallis; John M. Wadsworth; County of Inyo, California; Rose DeVuono; City of Caliente; Cortney Dahl d.b.a. Delamar Valley Cattle; Ely Shoshone Tribe; Wesley A. Holt; Lund Irrigation and Water Co.; County of White Pine and City of Ely; Moapa Band of Paiute Indians; U.S. Fish and Wildlife Service; County of Nye; U.S. National Park Service; and Unincorporated Town of Pahrump
- 215 Letter dated March 22, 1990 to Christine Thiel from Ross D. de Lipkau
- 216 Intermediate Order No. 1 and Hearing Notice dated October 4, 2007
- 217 Stipulation to Admit Documents from Spring Valley Hearing dated September 28, 2007
- 218 Summary of Protests to DDC Applications
- 219 Hearing Request Letter dated June 29, 2007

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 220 Notice of Pre-Hearing Conference dated July 13, 2007
- 221 Letter dated August 27, 2007 to Tracy Taylor from John Entsminger
- 222 Hearing Transcript from the Pre-Hearing Conference on August 28, 2007
- 223 Letter September 19, 2007 to Tracy Taylor from George Benesch
- 224 Letter September 21, 2007 to Susan Joseph-Taylor from Steve Palmer
- 225 Summary of Protest Issues submitted by Advocates for Community and Environment dated September 21 , 2007
- 226 Withdrawal of Protest by Lincoln County dated July 15, 2003
- 227 Resume of Kayrene Brothers
- 228 Resume of Kenneth Albright
- 229 Resume of John Entsminger
- 230 Resume of Andrew Burns
- 231 Resume of Gary Dixon
- 232 Resume of James Watrus
- 233 Resume of Jim Thomas
- 234 Curriculum Vitae of Zane Marshall
- 235 Resume of Michael Turnipseed
- 236 Water-Resources Assessment and Hydrogeologic Report for Cave, Dry Lake, and Delamar Valleys
- 237 Geology of White Pine and Lincoln Counties and Adjacent Areas, Nevada and Utah: The Geologic Framework of Regional Groundwater Flow Systems
- 238 Stable Isotope Evaluation of Water Budgets for the White River and Meadow Valley Wash Regional Groundwater Flow Systems in East-Central and Southeastern Nevada
- 239 Biological Resources for Cave, Dry Lake, and Delamar Valleys

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 240 Special Hydrologic Report
- 241 Land Use Assessment for Cave, Dry Lake, and Delamar Valleys
- 242 Geologic Data Analysis Report for Monitor Well 182W906M in Delamar Valley by Harvey S. Eastman (2007a)
- 243 Geologic Data Analysis Report for Monitor Well 182M-1 in Delamar Valley by Harvey S. Eastman (2007b)
- 244 Geologic Data Analysis Report for Monitor Well 180W902M in Cave Valley by Harvey S. Eastman (2007c)
- 245 Geologic Data Analysis Report for Monitor Well 180W501M in Cave Valley by Harvey S. Eastman (2007d)
- 246 Geologic Data Analysis Report for Monitor Well 181M01 in Dry Lake Valley by Harvey S. Eastman (2007e)
- 247 Geologic Data Analysis Report for Monitor Well 209M-1 in Pahranaagat Valley by Harvey S. Eastman (2007f)
- 248 Geologic Data Analysis Report for Monitor Well 181W909M in Dry Lake Valley by Harvey S. Eastman (2007g)
- 249 Anderson, T.W., Freethey, G.W., and Tucci, P., 1992 Geohydrology and water resources of alluvial basins in south-central Arizona and parts of adjacent states: U.S. Geological Survey Professional Paper 1406-B, p. B1-B67.
- 250 Avon, L., and Durbin, T.J., 1994, Evaluation of the Maxey-Eakin method for estimating recharge to ground-water basins in Nevada: American Water Resources Association, Water Resources Bulletin, Vol. 30, No. 1, p. 99–111.
- 251 Bechtel SAIC Company, LLC, 2004, Technical Basis Document No. 1—Climate and Infiltration, Rev. 1: U.S. Department of Energy, Office of Civilian Radioactive Waste Management, DE-AC28-01RW12101, 206 p.
- 252 Beck, D.A., and Wilson, J.W., 2006, Synoptic discharge, water-property, and pH measurements for Muddy River Springs Area and Muddy River, Nevada, February 7, 2001: U.S. Geological Survey Scientific Investigations Report 2006-5237, 12 p.

**EXHIBIT****NO.      EXHIBIT DESCRIPTION**

---

- 253      Berger, D.L., 2000, Water budgets for Pine Valley, Carico Lake Valley, and Upper Reese River Valley hydrographic areas, middle Humboldt River Basin, north-central Nevada—Methods for estimation and results: U.S. Geological Survey Water Resources Investigations Report 99-4272, 40 p.
- 254      Bunch, R.L., Harrill, J.R., 1984, Completion of selected hydrologic data from the MX missile-siting investigation, east-central Nevada and western Utah: U.S. Geological Survey Open-File Report 84-702, 123 p.
- 255      Buqo, T.S., 2004, Allometric responses in coupled groundwater–surface water–reservoir systems: *Journal of the Nevada Water Resources Association*, Vol. 1, No. 1, p. 40–57.
- 256      Carpenter, E., 1915, Ground water in southeastern Nevada: U.S. Geological Survey Water-Supply Paper 365, 86 p.
- 257      Contor, B.A., 2004, Recharge on non-irrigated lands: University of Idaho, Idaho Water Resource Research Institute, Technical Report 04-006, 19 p.
- 258      D’Agnese, F.A., Faunt, C.C., Turner, A.K., and Hill, M.C., 1997, Hydrogeologic evaluation and numerical simulation of the Death Valley Regional Ground-Water Flow System, Nevada, and California: U.S. Geological Survey Water-Resources Investigations Report 96-4300, 124 p.
- 259      Daly, C., Neilson, R.P., and Phillips, D.L., 1994, A statistical-topographic model for mapping climatological precipitation over mountainous terrain: *Journal of Applied Meteorology*, Vol. 33, No. 2, p. 140–158.
- 260      Daly, C., Taylor, G.H., and Gibson, W.P., 1997, The PRISM approach to mapping precipitation and temperature: American Meteorological Society, Proceedings of the 10th AMS Conference on Applied Climatology, Reno, Nevada, October 20–23, p. 10–12.
- 261      Daly, C., Taylor, G.H., Gibson, W.P., and Parzybok, T., 1998, Development of high-quality spatial climate datasets for the United States: Proceedings of the First International Conference on Geospatial Information in Agriculture and Forestry, Lake Buena Vista, Florida, June 1–3, 1998, p. I-512–I-519.

**EXHIBIT****NO.      EXHIBIT DESCRIPTION**

---

- 262      Davisson, M.L., and Rose, T.P., 2000, Maxey-Eakin methods for estimating groundwater recharge in the Fenner Watershed, southeastern California: U.S. Department of Energy, Lawrence Livermore National Laboratory, UCRL-ID-139027, 13 p.
- 263      Dettinger, M.D., Harrill, J.R., Schmidt, D.L., and Hess, J.W., 1995, Distribution of carbonate-rock aquifers and the potential for their development, southern Nevada and adjacent parts of California, Arizona, and Utah: U.S. Geological Survey Water-Resources Investigations Report 91-4146, 100 p.
- 264      Dixon, G.L., and Katzer, T.C., 2002, Geology and hydrology of the lower Virgin River Valley in Nevada, Arizona, and Utah: Virgin Valley Water District, Mesquite, Nevada, Report No. VVWD-01, 126 p.
- 265      Donovan, D.J., and Katzer, T., 2000, Hydrologic implications of greater groundwater recharge to Las Vegas Valley, Nevada: Journal of the American Water Resources Association, Vol. 36, No. 5, p. 1133–1148.
- 266      Eakin, T.E., 1961, Ground-water appraisal of Long Valley, White Pine and Elko counties, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources Reconnaissance Series Report 3, 35 p.
- 267      Eakin, T.E., 1962, Ground-water appraisal of Cave Valley in Lincoln and White Pine counties, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources Reconnaissance Series Report 13, 19 p.
- 268      Eakin, T.E., 1963, Ground-water appraisal of Dry Lake and Delamar valleys, Lincoln County, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources Reconnaissance Series Report 16, 25 p.
- 269      Eakin, T.E., 1963, Ground-water appraisal of Pahrnagat and Pahroc valleys, Lincoln and Nye counties, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources Reconnaissance Series Report 21, 36 p.
- 270      Eakin, T.E., 1964, Ground-water appraisal of Coyote Spring and Kane Spring valleys and Muddy River Springs Area, Lincoln and Clark counties, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources Reconnaissance Series Report 25, 39 p.
- 271      Eakin, T.E., 1966, A regional interbasin groundwater system in the White River area, southeastern Nevada: Water Resources Research, Vol. 2, No. 2, p. 251–271.

**EXHIBIT****NO.      EXHIBIT DESCRIPTION**

---

- 272      Ertec Western, Inc., 1981, MX Siting Investigation, Water Resources Program, Technical Summary Report Volume I, Report E-TR-52-I: U.S. Department of the Air Force, Ballistic Missile Office, Norton Air Force Base, California, 77 p.
- 273      Ertec Western, Inc., 1981, MX Siting Investigation, Water Resources Program, Technical Summary Report Volume II, Report E-TR-52-II: U.S. Department of the Air Force, Ballistic Missile Office, Norton Air Force Base, California, 286 p.
- 274      Faybishenko, B., 2007, Climatic forecasting of net infiltration at Yucca Mountain using analogue meteorological data: *Vadose Zone Journal*, Vol. 6, p. 77–92.
- 275      Flint, A.L., and Flint, L.E., 2007, Application of the basin characterization model to estimate in-place recharge and runoff potential in the Basin and Range Carbonate-Rock Aquifer System, White Pine County, Nevada, and adjacent areas in Nevada and Utah: U.S. Geological Survey Scientific Investigations Report 2007-5099, 20 p.
- 276      Flint, A.L., Flint, L.E., Hevesi, J.A., and Blainey, J.M., 2004, Fundamental concepts of recharge in the Desert Southwest—A regional modeling perspective, p. 159–184, in Hogan, J.F., Phillips, F.M., and Scanlon, B.R., eds., *Ground-water recharge in a desert environment—The southwestern United States*: American Geophysical Union, Water Science and Applications Series, Vol. 9, 294 p.
- 277      Hardman, G., 1962, Precipitation map of Nevada, in Lamke, R.D., and Moore, D.O., 1965, *Interim inventory of surface water resources of Nevada*: Nevada Department of Conservation and Natural Resources, Water Resources Bulletin No. 30, p. 6.
- 278      Hardman, G., and Mason, H.G., 1949, *Irrigated lands of Nevada*: University of Nevada-Reno, Agricultural Experiment Station, Bulletin No. 183, 57 p.
- 279      Harrill, J.R., Gates, J.S., and Thomas, J.M., 1988, Major ground-water flow systems in the Great Basin region of Nevada, Utah, and adjacent states: U.S. Geological Survey Hydrologic Investigations Atlas HA-694-C, 4 p., scale 1:1,000,000, two sheets.
- 280      Hess, J.W., and Mifflin, M.D., 1978, A feasibility study of water production from deep carbonate aquifers in Nevada: Water Resources Center, Desert Research Institute Publication No. 41054, 125 p.
- 281      Hevesi, J.A., Flint, A.L., and Flint, L.E., 2002, Preliminary estimates of spatially distributed net infiltration and recharge for the Death Valley region, Nevada-California: U.S. Geological Survey Water-Resources Investigations Report 02-4010, 36 p.



**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 282 IT Corporation, 1996, Underground test area subproject, Phase I Data Analysis Task—Volume IV, hydrologic parameter data documentation package: IT Corporation, Las Vegas, Nevada, Report ITLV/10972-181, 78 p.
- 283 Katzer T., and Donovan, D.J., 2003, Surface-water resources and basin water budget for Spring Valley, White Pine and Lincoln counties, Nevada: Las Vegas Valley Water District, Las Vegas, Nevada, 70 p.
- 284 Kirk, S.T., and Campana, M.E., 1990, A deuterium-calibrated groundwater flow model of a regional carbonate-alluvial system: *Journal of Hydrology*, Vol. 119, p. 357–388.
- 285 Kumar, C.P., and Seethapathi, P.V., 2002, Assessment of natural ground water recharge in upper Ganga canal command area: Association of Hydrologists of India, *Journal of Applied Hydrology*, Vol. XV, No. 4, p. 13–20.
- 286 Luzier, J.E. 2003 Dry Lake and Delamar Valleys, Nevada Groundwater Hydrology and Development Potential: Luzier Hydrosiences
- 287 Lichty, R.W., and McKinley, P.W., 1995, Estimates of ground-water recharge rates for two small basins in central Nevada: U.S. Geological Survey Water-Resources Investigations Report 94-4104, 31 p.
- 288 Maurer, D.K., and Berger, D.L., 1997, Subsurface flow and water yield from watersheds tributary to Eagle Valley hydrographic area, west-central Nevada: U.S. Geological Survey Water-Resources Investigations Report 97-4191, 56 p.
- 289 McCurdy, G., and Albright, W., 2004, Estimates of potential evapotranspiration at selected sites in eastern Nevada from meteorological station data: Desert Research Institute Publication No. 41198, 113 p.
- 290 Mifflin & Associates, Inc., 2001, Hydrologic and groundwater modeling analyses for the Moapa Paiute Energy Center: Mifflin & Associates, Inc., Las Vegas, Nevada, 219 p.
- 291 Moreo, M.T., Laczniak, R.J., and Stannard, D.I., 2007, Evapotranspiration rate measurements of vegetation typical of ground-water discharge areas in the Basin and Range Carbonate-Rock Aquifer System, White Pine County, Nevada, and adjacent areas in Nevada and Utah, September 2005–August 2006: U.S. Geological Survey Scientific Investigations Report 2007-5078, 37 p.

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 292 Nichols, W.D, 2000, Determining ground-water evapotranspiration from phreatophyte shrubs and grasses as a function of plant cover or depth to ground water, Great Basin, Nevada and eastern California p. A1–A14, in Nichols, W.D., Regional ground-water evaporation and ground-water budgets, Great Basin, Nevada: U.S. Geological Survey Professional Paper 1628, 108 p.
- 293 Prudic, D.E., Harrill, J.R., and Burbey, T.J., 1995, Conceptual evaluation of regional ground-water flow in the carbonate-rock province of the Great Basin, Nevada, Utah, and adjacent states— Regional aquifer-system analysis—Great Basin, Nevada-Utah: U.S. Geological Survey Professional Paper 1409-D, 102 p.
- 294 Reiner, S.R., Lacznia, R.J., DeMeo, G.A., Smith, J.L., Elliott, P.E., Nylund, W.E., and Fridrich, C.J., 2002, Ground-water discharge determined from measurements of evapotranspiration, other available hydrologic components, and shallow water-level changes, Oasis Valley, Nye County, Nevada: U.S. Geological Survey Water-Resources Investigations Report 01-4239, 65 p.
- 295 Rush, F.E., 1968, Water-resources appraisal of the Lower Moapa-Lake Mead area, Clark County, Nevada: Nevada Department of Conservation and Natural Resources, Water Resources Reconnaissance Series Report 50, 67 p.
- 296 San Juan, C.A., Belcher, W.R., Lacznia, R.J., and Putnam, H.M., 2004, Hydrologic components for model development, in Belcher, W.R., ed., Death Valley Regional Ground-Water Flow System, Nevada and California—Hydrogeologic framework and transient ground-water flow model: U.S. Geological Survey Scientific Investigations Report 2004-5205, p. 99–136.
- 297 Scott, B.R., Smales, T.J., Rush, F.E., and Van Denburgh, A.S., 1971, Water for Nevada—Report 3— Nevada's Water Resources: Nevada Department of Conservation and Natural Resources, 87 p.
- 298 Smith, J.L., Lacznia, R.J., Moreo, M.T., and Welborn, T.L., 2007, Mapping evapotranspiration units in the Basin and Range Carbonate-Rock Aquifer System, White Pine County, Nevada, and adjacent areas in Nevada and Utah: U.S. Geological Survey Scientific Investigations Report 2007-5087, 21 p.
- 299 SRK Consulting Inc., 2001, Installation report, Harvey Well replacement, Well RW-1: Nevada Power Company, Las Vegas, Nevada, 84 p.
- 300 Thomas, J.M., Mason, J.L., and Crabtree, J.D., 1986, Ground-water levels in the Great Basin region of Nevada, Utah, and adjacent states: U.S. Geological Survey Hydrologic Atlas HA-694-B, scale 1:1,000,000, two sheets.

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 301 Thomas, J.M., S.C. Calhoun and W.B. Apambire, 2001. A deuterium Mass-Balance Interpretation of groundwater sources and flows in southeastern Nevada. Desert Research Institute Publication #41169: 46 p.
- 302 Thomas, J.M., Welch, A.H., and Dettinger, M.D., 1996, Geochemistry and isotope hydrology of representative aquifers in the Great Basin region of Nevada, Utah, and adjacent states: U.S. Geological Survey Professional Paper 1409-C, 99 p.
- 303 Welch, A.H., and Bright, D.J., eds., 2007, Water resources of the Basin and Range Carbonate-Rock Aquifer System, White Pine County, Nevada, and adjacent areas in Nevada and Utah—Draft Report: U.S. Geological Survey Open-File Report 2007-1156, 103 p.
- 304 Wells, J.V.B., 1954, Compilation of records of surface waters of the United States through September 1950—Part 9, Colorado River Basin: U.S. Geological Survey Water-Supply Paper 1313, 749 p.
- 305 Wilson, J.L., and Guan, H., 2004, Mountain-block hydrology and mountain-front recharge, p. 113–137, in Hogan, J.F., Phillips, F.M., and Scanlon, B.R., eds., Groundwater recharge in a desert environment—The southwestern United States: American Geophysical Union, Water Science and Applications Series, Vol. 9, 294 p.
- 306 Mankinen, E.A., Roberts, C.W., McKee, E.H., Chuchel, B.A., and Morin, R.L., 2007, Geophysical data from Spring Valley to Delamar Valley, east-central Nevada: U.S. Geological Survey Open File Report 2007-1190 [<http://pubs.usgs.gov/of/2007/1190/>].
- 307 Scheirer, D.S., 2005, Gravity studies of Cave, Dry Lake, and Delamar Valleys, east-central Nevada: U.S. Geological Survey Open-File Report 2005-1339, 27 p.
- 308 Belcher, W.R., Elliot, P.E., and Geldon, A.L., 2001, Hydraulic- Property Estimates for Use With a Transient Ground-water Flow Model of the Death Valley Regional Ground-water Flow System, Nevada and California: U.S. Geological Survey Water Resources Investigation Report 01-4120: Carson City, Nevada, 33 p.
- 309 Ertec Western, Inc., 1981a, MX Siting Investigation, Water Resources Program, Technical Summary Report Volume I, Report E-TR-52-I, prepared for the U.S. Department of the Air Force, Ballistic Missile Office, Norton Air Force Base, California, 77 p.
- 310 Ertec Western, Inc., 1981b, Aquifer Testing Dry Lake Valley, Nevada, Report E-81-Nov-I, prepared for the U.S. Department of the Air Force, Ballistic Missile Office, Norton Air Force Base, California, 30 p.

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 311 Nevada Division of Water Resources, 2007b, Hydrographic Basin Summaries by Manner of Use from the Water Rights Database accessed at website [http://water.nv.gov/waterRights/permitdb/permitdb\\_disclamier.cfm](http://water.nv.gov/waterRights/permitdb/permitdb_disclamier.cfm) on November 6, 2007.
- 312 Nevada Division of Water Resources, 2007c, Overview of Nevada Water Law, Environmental Protection accessed at website <http://water.nv.gov/WaterRights/WaterLaw/environmental.cfm> on November 6, 2007.
- 313 Schaefer, D.H., and J.R. Harrill, 1995, Simulated Effects of Proposed Ground-Water Pumping in 17 Basins of East-Central and Southern Nevada. U.S. Geological Survey, Water-Resources Investigations Report 95-4173. Denver, Colorado: U.S. Geological Survey.
- 314 BIO-WEST, Inc., 2007, Ecological Evaluation of Selected Aquatic Ecosystems in the Biological Resources Study Area for the Southern Nevada Water Authority's Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project, Final Report: Volume I, PR 987-1.
- 315 Meinzer, O.E., 1927, Plants as Indicators of Groundwater, USGS Water Supply Paper 577.
- 316 Nevada Natural Heritage Program 2001, Rare Plant Fact Sheets, Nevada Natural Heritage Program, Department of Conservation and Natural Resources, Carson City, NV, <http://heritage.nv.gov/atlas/atlasndx.htm>
- 317 Letter from USFWS to SNWA regarding species list for the Clark, Lincoln and White Pine Counties Groundwater Development Project, Nevada, dated November 20, 2006.
- 318 Nevada Natural Heritage Program, 2004, Lincoln County Rare Species List, Nevada Natural Heritage Program, Department of Conservation and Natural Resources, Carson City, NV, <http://heritage.nv.gov/lists/colincol.htm>
- 319 Nevada Natural Heritage Program, 2004, White Pine County Rare Species List, Nevada Natural Heritage Program, Department of Conservation and Natural Resources, Carson City, NV, <http://heritage.nv.gov/lists/colincol.htm>
- 320 Sada D.W., 2005, Desert Research Institute springs database. Desert Research Institute, University of Nevada, Reno, NV.

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 321 Wildland International, 2007, Groundwater Development Project: Terrestrial Biological Findings Report for Sensitive Plants and Wildlife in the Great Basin and 13.6-Mile Segment in the Mojave Desert, prepared for the Southern Nevada Water Authority.
- 322 Spring Valley Exhibit No. 63 - Stipulation for Withdrawal of Protests dated September 8, 2007
- 323 INTENTIONALLY OMITTED
- 324 Spring Valley Exhibit No. 511 - Southern Nevada Water Authority 2006 Water Resource Plan
- 325 INTENTIONALLY OMITTED
- 326 INTENTIONALLY OMITTED
- 327 INTENTIONALLY OMITTED
- 328 INTENTIONALLY OMITTED
- 329 Spring Valley Exhibit No. 633 - Water Resources Data Nevada Water Year 1984
- 330 Spring Valley Exhibit No. 634 - Water Resources Data Nevada Water Year 1985
- 331 Spring Valley Exhibit No. 642 - Carbonate Terrain Study Memo dated August 3, 1984
- 332 Spring Valley Exhibit No. 648 - Nevada State Engineer Ruling 4151
- 333 Spring Valley Exhibit No. 657 - Nevada State Engineer Ruling 3280
- 334 INTENTIONALLY OMITTED
- 335 2007 Nevada Laws Ch. 429 (S.B. 274) Nevada 2007 Session Laws Regular Session of the 74th Legislature
- 336 Public Law 108-424 dated November 30, 2004, cited as Lincoln County Conservation, Recreation, and Development Act of 2004
- 337 State Engineer Order No. 1169, dated March 8, 2002
- 338 State Engineer Ruling 4515, dated March 19, 1997

**EXHIBIT****NO.      EXHIBIT DESCRIPTION**

---

339	State Engineer Ruling 4525, dated May 9, 1997
340	State Engineer Ruling 4542, dated June 19, 1997
341	State Engineer Ruling 4545, dated July 2, 1997
342	State Engineer Ruling 4601, dated February 2, 1998
343	State Engineer Ruling 4641, dated June 12, 1998
344	State Engineer Ruling 4660, dated August 25, 1998
345	State Engineer Ruling 4836, dated January 11, 2000
346	State Engineer Ruling 5008, dated March 20, 2001
347	State Engineer Ruling 5115, dated April 18, 2002
348	State Engineer Ruling 5132, dated June 12, 2002
349	State Engineer Ruling 5181, dated November 26, 2002
350	State Engineer Ruling 5191, dated December 12, 2002
351	State Engineer Ruling 5194, January 7, 2003
352	State Engineer Ruling 5429A, November 15, 2006
353	State Engineer Ruling 5465, dated January 4, 2005
354	State Engineer Ruling 5491, dated June 21, 2005
355	State Engineer Ruling 5506, dated September 9, 2005
356	State Engineer Ruling 5519, dated September 16, 2005
357	State Engineer Ruling 5547, dated January 25, 2006
358	State Engineer Ruling 5558, dated February 9, 2006
359	State Engineer Ruling 5559, dated February 9, 2006
360	State Engineer Ruling 5560, dated February 9, 2006

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

361	State Engineer Ruling 5621, dated June 15, 2006
362	State Engineer Ruling 5712, dated February 2, 2007
363	State Engineer Ruling 5726, dated April 16, 2007
364	State Engineer Ruling 5747, dated June 27, 2007
365	State Engineer Ruling 5782, dated September 17, 2007
366	SNWA, 2007, Clark, Lincoln and White Pine Counties Groundwater Development Project, Draft Conceptual Plan of Development
367	LVVWD, 2001, Water Resources and Ground-Water Modeling in the White River and Meadow Valley Flow Systems
368	Water-Level Dataset
369	Excel Solver Software
370	Maxey, G.B., and Eakin, T.E., 1949, Groundwater in the White River Valley, White Pine, Nye, and Lincoln counties, Nevada: State of Nevada, Office of the State Engineer, Water Resources Bulletin No. 8, 59 p.
2000	Intermediate Order and Hearing Notice dated 3/8/06 (Spring Valley Ex. 1)
2001	State Engineer's Intermediate Order No. 3 dated 7/27/06 (Spring Valley Ex. 56)
2002	State Engineer's Intermediate Order No. 4 dated 8/4/06 (Spring Valley Ex. 57)
2003	Geology Report (Spring Valley Ex. 504)
2004	Data Reports (Spring Valley Ex. 506)
2005	Spring Valley Model Report (Spring Valley Ex. 508)
2006	Southern Nevada Water Authority 1996 Water Resource Plan (Spring Valley Ex. 510)
2007	Southern Nevada Water Authority 2006 Water Resource Plan (Spring Valley Ex. 511)
2008	Summary of USGS-SNWA/LVVWD Funding Agreements (Spring Valley Ex. 532)

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 2009 Southern Nevada Water Authority Clark, Lincoln, and White Pine Counties Groundwater Development Project Draft Conceptual Plan of Development, March 17, 2006 (Spring Valley Ex. 536)
- 2010 Coyote Springs Stipulation for Dismissal of Protests, July 18, 2001 (Spring Valley Ex. 537)
- 2011 Coyote Springs Memorandum of Agreement, April 20, 2006 (Spring Valley Ex. 538)
- 2012 Cooperative Agreement Among Lincoln County, the Southern Nevada Water Authority and the Las Vegas Valley Water District, April 17, 2003 (Spring Valley Ex. 541)
- 2013 General Capacity Agreement for Participation in Southern Nevada Water Authority's Groundwater Project, February 6, 2006 (Spring Valley Ex. 542)
- 2014 Three Lakes and Tikaboo Stipulation for Withdrawal of Protests, December 8, 2005 (Spring Valley Ex. 543)
- 2015 Nevada County Population Estimates July 1, 1986 to July 1, 2004 Includes Cities and Towns (Spring Valley Ex. 594)
- 2016 Interbasin Transfers (Spring Valley Ex. 603)
- 2017 Municipal Uses (Spring Valley Ex. 604)
- 2018 Precipitation Map of Nevada, 1936 (Hardman) (Spring Valley Ex. 605)
- 2019 Ground water in White River Valley, White Pine, Nye, and Lincoln Counties, Nevada. (Spring Valley Ex. 606)
- 2020 Water for Nevada: Report 3 Nevada's Water Resources, p. 23 (Spring Valley Ex. 607)
- 2021 Regional Ground-Water Evapotranspiration and Ground-Water Budgets, Great Basin, Nevada (Nichols 2000) (Spring Valley Ex. 610)
- 2022 The Accuracy of United States Precipitation Data (Spring Valley Ex. 617)
- 2023 Calculation of Monthly and Annual 30-Year Standard Normals (Spring Valley Ex. 618)
- 2024 Major Ground-Water Flow Systems in the Great-Basin Region of Nevada, Utah, and Adjacent States (Spring Valley Ex. 625)



**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 2025 Nevada Precipitation Map - Adapted by George Hardman, 1965 (Spring Valley Ex. 628)
- 2026 Western Regional Climate Center (Spring Valley Ex. 631)
- 2027 Water Resources Data Nevada Water Year 2004 (Spring Valley Ex. 632)
- 2028 NRCS Field Office Guide to Climatic Data (Spring Valley Ex. 638)
- 2029 Application for Rights-of-Way, Clark, Lincoln, and White Pine Counties Groundwater Development Project, August 19, 2004 (Spring Valley Ex. 644)
- 2030 Scoping Package for the Southern Nevada Water Authority Clark, Lincoln, and White Pine Counties Groundwater Development Project (Spring Valley Ex. 645)
- 2031 Notice of Intent of the Southern Nevada Water Authority to Prepare an Environmental Impact Statement and Initiate the Public Scoping Process, April 8, 2005 (Spring Valley Ex. 646)
- 2032 Scoping Meeting Letters for Protestants (Spring Valley Ex. 647)
- 2033 Legislative History for Senate Bill 108-1999, and Act Related to the Use of Water and the Approval of Interbasin Transfers of Ground Water (Spring Valley Ex. 656)
- 2034 Water Supply Agreement Among the Moapa Band of Paiute Indians, Las Vegas Valley Water District, Southern Nevada Water Authority, Muddy Valley Irrigation Company, and Moapa Valley Water District, April 20, 2006 (Spring Valley Ex. 675)
- 2035 Agreement for Lease of Water Rights By Moapa Valley Water District, the Southern Nevada Water Authority, and the Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-day Saints, March 31, 2006 (Spring Valley Ex. 676)
- 2036 From Models to Performance Assessment: The Conceptualization Problem (Spring Valley Ex. 689)
- 2037 The Conceptualization Model Problem - Surprise (Spring Valley Ex. 690)
- 2038 Methods and Guidelines for Effective Model Calibration, Table 1 (Hill 1998) (Spring Valley Ex. 693)
- 2039 Ground-Water Models Cannot Be Validated (Spring Valley Ex. 694)

**EXHIBIT****NO. EXHIBIT DESCRIPTION**

---

- 2040 U.S.G.S. Ground-Water Models Cannot Be Validated Policy Memo, 2/5/93 (Spring Valley Ex. 695)
- 2041 Las Vegas Wash Coordination Committee 2005 Year-End Report (Spring Valley Ex. 777)
- 2042 Hershler, R. 1998. A systematic review of the Hydrobiid snails (Gastropoda: Risssooidea) of the Great Basin, western United States. Part I. Genus Pyrgulopsis. The Veliger 41, pages 1-3, 11014, 56-57, 99-132 (Spring Valley Ex. 2035)
- 2043 Hershler, R. and D.W. Sada. 2002. Biogeography of Great Basin aquatic snails of the Genus Pyrgulopsis. Pages 255-276 in R. Hershler, D.B. Madsen, and D.R. Curvey, eds. Great Basin Aquatic Systems History. Smithsonian Contributions to the Earth Sciences, Number 33 (Spring Valley Ex. 2036)
- 2044 Sage Grouse Conservation Team. 2004. Greater Sage-Grouse Conservation Plan for Nevada and Eastern California. First Edition. Prepared for Nevada Governor Kenny C> Guinn. Nevada. Title page, table of contents, Executive Summary, acknowledgments, Pages 1-108, Appendix Q-White Pine County Sage-Grouse Conservation Plan, Appendix R- Lincoln County Sage-Grouse Conservation Plan (Spring Valley Ex. 2060)
- 2045 Skudlarek, E., ed. 2006. Nevada Wetlands priority conservation plan, technical review draft. Nevada Natural Heritage Program, Department of Conservation and Natural Resources, Title Page and pages 1-11, 1-20, 1-22, 1-25, 3-3, 3-7, 3-8, 3-9, 4-26, 4-31, 4-32, 4-34, 4-35 (Spring Valley Ex. 2106)