

ADRS Schedule of Activities 1997-2008

2008

November 2008

USGS-NV (11/3-7): Measure soil moisture and ground-water level; plant transects; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

August 2008

USGS-NV (8/11-14): Measure soil moisture and ground-water level; plant transects; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

April-May 2008

USGS-NV, -NJ, -CO, -NRP; Oregon Health and Science University; Texas Tech University (4/28-5/9): plant, air, shallow & deep unsaturated-zone sampling; soil moisture & water level measurements; service bulk precipitation gage, data loggers, and weather, evapotranspiration, water-flux meter, air-pressure instruments.

Contact: Brian Andraski

January 2008

USGS-NV (1/15-18): Measure soil moisture and ground-water level; plant transects; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

2007

November 2007

USGS-NV (11/5-8): Measure soil moisture and ground-water level; plant transects; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

July-August 2007

USGS-NV (7/30-8/2): Measure soil moisture and ground-water level; plant transects; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

April-May 2007

USGS-NV, -NJ, -NRP; Oregon Health and Science University; University of Nevada-Reno (4/23-5/4): plant, air, shallow & deep unsaturated-zone sampling; soil moisture & water level measurements; service bulk precipitation gage, data loggers, and weather, evapotranspiration, water-flux meter, air-pressure instruments.

Contact: Brian Andraski

January 2007

USGS-NV; University of Nevada (1/9-12): Measure soil moisture and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments. Collect soil samples for use in laboratory experiments.

Contact: Brian Andraski

2006

November 2006

USGS-NV (11/14-17): Measure soil moisture and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

September 2006

USGS-NV (9/21-22): Service evapotranspiration station.

Contact: Brian Andraski

August 2006

USGS-NV (8/14-16): Measure soil moisture and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

April-May 2006

USGS-NV, -NJ, -Denver, -NRP; Oregon Health and Science University; Texas Tech University (4/24-5/5): plant, air, shallow & deep unsaturated-zone sampling; geologic-framework investigations; soil moisture & water level measurements; service bulk precipitation gage, data loggers, and weather, evapotranspiration, water-flux meter, air-pressure instruments.
Contact: Brian Andraski

March 2006

USGS-Denver (3/20-24): shallow-trench investigations to characterize geologic framework of the area.
Contact: Emily Taylor

January 2006

USGS-NV, -NRP, University of Nevada-Reno (1/10-13): sample soil and unsaturated-zone-gas; collect subsurface tracer-test samples; measure bare-soil evaporation, plant transpiration, soil moisture, and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

2005

October 2005

USGS-NV (10/26-27): collect plant and precipitation samples; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.
Contact: Mike Johnson

September 2005

USGS-NV, University of Nevada-Reno (9/22): collect plant samples; service evapotranspiration and weather stations.
Contact: Brian Andraski

USGS-NV (9/7): collect subsurface tracer-test samples.

Contact: Brian Andraski

August 2005

USGS-NV (8/1-5): sample air, plant, soil, and unsaturated-zone-gas; collect subsurface tracer-test samples; measure bare-soil evaporation, plant transpiration, soil moisture, and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

April-May 2005

USGS-NV, -NJ, -NRP, Oregon Health and Science University, University of Nevada Las Vegas (4/25-5/6): air, plant, soil, and unsaturated-zone gas sampling; subsurface gas-tracer test; evaporation and transpiration measurements; service bulk-precipitation sampler and air-pressure measurement equipment.

Contact: Brian Andraski, Dave Stonestrom

USGS-NV (4/25-5/6): measure soil moisture and ground-water level; service weather, evapotranspiration, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

January 2005

USGS-NV, Wright-Patterson Air Force Base-Ohio (1/24-28): sample air, plant, soil, and unsaturated-zone-gas; measure bare-soil evaporation, plant transpiration, measure soil moisture, and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

2004

October 2004

USGS-NV, University of Nevada (10/25-29): sample air, plant, soil, and unsaturated-zone-gas; measure bare-soil evaporation, plant transpiration, measure soil moisture, and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments.

Contact: Mike Johnson

August 2004

USGS-NV, University of Nevada (8/2-6): sample air, plant, soil, and unsaturated-zone-gas; measure bare-soil evaporation, plant transpiration, measure soil moisture, and ground-water level; service weather, evapotranspiration, air pressure, water-potential, temperature, and water-flux instruments; land and global-positioning surveys.

Contact: Mike Johnson

April-May 2004

USGS-NV, -NJ, -WI, -NRP, -CR, University of Nevada Las Vegas, Oregon Health and Science University (4/26-5/7): air, plant, soil, and unsaturated-zone gas sampling; evaporation and transpiration measurements; service bulk-precipitation sampler and air-pressure measurement equipment; geologic mapping.

Contact: Brian Andraski, Dave Stonestrom

USGS-NV (4/28-5/6): measure soil moisture and ground-water level; service weather, evapotranspiration, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

March-April 2004

USGS-Crustal Imaging & Characterization Team (3/29-4/8): geophysical measurements.
Contact: Jeff Lucius, Jared Abraham

January 2004

USGS-NV (1/12-18): air, plant, soil, and unsaturated-zone gas sampling; bare-soil evaporation and plant transpiration measurements; service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

Bureau of Land Management (1/14): BLM staff visit the ADRS

2003

October 2003

USGS-NV, University of Nevada (10/27-31): air, plant, soil, and unsaturated-zone gas sampling; bare-soil evaporation and plant transpiration measurements; service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

August 2003

USGS-NV, University of Nevada (8/4-8): air, plant, soil, and unsaturated-zone gas sampling; bare-soil evaporation and plant transpiration measurements; service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

June 2003

USGS-NV (6/23-25): bare-soil evaporation measurements; service evapotranspiration instruments.
Contact: Brian Andraski

April-May 2003

USGS-NV, -NJ, -NRP, -WI, University of Nevada (4/28-5/9): air, plant, soil, and unsaturated-zone gas sampling; bare-soil evaporation measurements; service bulk-precipitation sampler and air-pressure measurement equipment.
Contact: Brian Andraski, Dave Stonestrom

USGS-NV (4/30-5/9): measure soil moisture and ground-water level; service weather, evapotranspiration, water-potential, temperature, and water-flux instruments.
Contact: Brian Andraski

USGS-Crustal Imaging & Characterization Team (5/6-12): geophysical measurements.
Contact: Jeff Lucius, Jared Abraham

March 2003

USGS-NV (3/19-21): service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

January 2003

USGS-NV (1/29): global-positioning survey.

Contact: Brian Andraski

USGS-NV (1/13-17): air, soil, and plant sampling; bare-soil evaporation measurements; service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments; measure soil moisture and ground-water level; land and global-positioning surveys.

Contact: Brian Andraski

2002

November 2002

USGS-NV (11/4-8): air, soil, and plant sampling; bare-soil evaporation measurements; service evapotranspiration, air pressure, weather, water-potential, temperature, and water-flux instruments; measure soil moisture and ground-water level.

Contact: Brian Andraski

September 2002

USGS-NV (9/11-12): service evapotranspiration, air-pressure, weather, water-potential, temperature, and water-flux instruments; collect soil-moisture samples.

Contact: Brian Andraski

July-August 2002

USGS-NV (8/15): service evapotranspiration and air-pressure instruments.

Contact: Brian Andraski

USGS-NV, University of Nevada-Las Vegas (7/29-8/2): air and plant sampling; bare-soil evaporation measurements; service evapotranspiration, weather, water-potential, temperature, and water-flux instruments; measure soil moisture and ground-water level; measure and collect samples for soil-property determinations.

Contact: Brian Andraski

June 2002

USGS-NV (6/25-26): service evapotranspiration instruments.

Contact: Brian Andraski

April-May 2002

USGS-NRP, -NV (4/29-5/3): service Amargosa River instruments.

Contact: Dave Stonestrom

USGS-NV, -NJ, -NRP, University of Nevada, New Mexico Tech (4/22-5/3): air, plant, unsaturated-zone gas, and ground-water sampling; bare-soil evaporation measurements; service bulk-precipitation sampler and air-pressure measurement equipment.

Contact: Brian Andraski, Dave Stonestrom

USGS-NV (4/22-5/3): measure soil moisture and ground-water level; service weather, evapotranspiration, water-potential, temperature, and water-flux instruments.

Contact: Brian Andraski

March 2002

USGS-NV (3/12-15): service evapotranspiration, weather, water-potential, air-pressure, and water-flux instruments; establish plant-sampling sites; measure ground-water level (MR-3).

Contact: Brian Andraski

February 2002

USGS-NV (2/12-15): measure soil moisture and ground-water level (MR-3); service weather, water-potential, air-pressure, and water-flux instruments; set up evapotranspiration station; establish plant sampling sites.

Contact: Brian Andraski

USGS-Crustal Imaging and Characterization Team (2/14/-26): geophysical measurements to improve stratigraphic characterization of the area.

Contact: Jeff Lucius

January 2002

USGS-NV (1/14-16): measure soil moisture and ground-water level (MR-3); service weather, water-potential, air-pressure, and water-flux instruments; establish soil-plant sampling sites.

Contact: Brian Andraski

2001

November 2001

USGS-NV, NRP (11/26-29): service precipitation sampler, air-pressure, water-potential, and weather instruments; measure ground-water level and soil moisture; service Amargosa River instruments.

Contact: Dave Stonestrom, Dave Prudic

September 2001

USGS- NV (9/14): service water-flux, weather, water-potential, and air-pressure instruments; measure ground-water level.

Contact: Brian Andraski

USGS-NV (9/5-6): measure soil moisture.

Contact: Brian Andraski

May-June 2001

USGS-NV (5/31-6/1): service water-flux, weather, water-potential, and air-pressure instruments; measure ground-water level.

Contact: Brian Andraski

February 2001

USGS-NV, -NRP (2/20-27): drill and sample boreholes to assess recharge beneath and in the vicinity of the ephemeral Amargosa River channel.

Contact: Dave Prudic

USGS-NV (2/20-23): measure ground-water level; service weather, water-potential, and air-pressure instruments; establish soil-plant sampling sites.

Contact: Brian Andraski

January 2001

USGS-NV (1/17-19): measure ground-water level and soil moisture; service weather, water-potential, and air-pressure instruments; measure CO₂ concentrations in soil gas.

Contact: Brian Andraski

2000

November 2000

USGS-NV (11/17): service precipitation sampler, air-pressure instruments, and Amargosa River instruments.

Contact: Dave Stonestrom

USGS-NV (11/6-8): measure ground-water level and soil moisture; service weather, water-potential, and air-pressure instruments; measure CO₂ concentrations in soil gas.

Contact: Brian Andraski

USGS-GD (11/10-16): geophysical survey (Schlumberger soundings) to characterize geologic structure in the vicinity of the ADRS.

Contact: Bob Bisdorf

August 2000

USGS-NV (8/2-4): measure soil moisture and ground-water level; service weather and water potential instruments; service air-pressure measurement equipment; measure soil-CO₂ gas concentrations.

Contact: Brian Andraski

June 2000

USGS-NV (6/19-20): measure soil moisture and ground-water level; service weather and water potential instruments; service air-pressure measurement equipment; measure soil CO₂ gas concentrations.

Contact: Brian Andraski

April-May 2000

USGS-NRP (4/17-21): service evapotranspiration instruments and soil -CO₂ flux chambers.

Contact: Alan Riggs, Dave Stannard

USGS-NV, -NJ, -NRP (4/24-5/5): unsaturated-zone gas sampling; plant sampling; service air-pressure measurement equipment; service Amargosa River instrumentation.

Contact: Brian Andraski, Dave Stonestrom

USGS-NV (4/24-5/5): measure soil moisture and ground-water level; service weather and water potential instruments.

Contact: Brian Andraski

USGS-GD (4/28-30): field mapping of geology.

Contact: John Whitney

March 2000

USGS-NV (3/13-17): complete topographic survey of the ADRS.

Contact: Brian Andraski

USGS-NV (3/20-24): measure ground-water level and soil moisture; service weather, water-potential, and air-pressure instruments; service evapotranspiration instruments and soil-CO₂ flux chambers; measure CO₂ concentrations in soil gas; sample ground water.

Contact: Brian Andraski

February 2000

USGS-NV (2/9-11): measure ground-water level and soil moisture; service weather and water-potential instruments; service air-pressure instruments; measure CO₂ concentrations in soil gas.

Contact: Brian Andraski

January 2000

USGS-NRP (1/21-23): service evapotranspiration instruments and soil CO₂ flux chambers

Contact: Alan Riggs

1999

December 1999

USGS-NRP & NV (12/6-9): service air-pressure instruments; Amargosa River infiltration tests.

Contact: Dave Stonestrom, Amy Stewart

USGS (12/7-17): drill, sample, and instrument borehole (UZB-3) to collect data on contaminant-transport processes in an arid environment.

Contact: Dave Prudic, Brian Andraski

USGS-NV (12/7-17): measure ground-water level and soil moisture; service weather and water-potential instruments; service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Brian Andraski

USGS-GD and University of Kansas (12/16-20): collect soil profile samples for geologic characterization of alluvial fans in the Amargosa Desert.

Contact: John Whitney

November 1999

USGS-NV (10/9-10): measure ground-water level; service weather, water-potential, and air-pressure instruments; service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Brian Andraski

USGS-GD (10/9-19): test noninvasive geophysical methods for characterizing geologic structure of the ADRS.

Contact: Jeff Lucius

USGS-NRP (11/16-17): service precipitation sampler and air-pressure instruments.

Contact: Dave Stonestrom

October 1999

USGS-NRP (10/7): service ADRS air-pressure instruments and Amargosa River instruments.

Contact: Dave Stonestrom

USGS-NRP (10/20-22): service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Alan Riggs

September 1999

USGS-NV (9/22-24): measure soil moisture and ground-water level; service weather, water-potential, and air-pressure instruments; construct instrument shelter; service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Brian Andraski

August 1999

USGS-NRP (8/6-7): service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Dave Stannard

USGS-NRP (8/11): service ADRS air-pressure instruments and Amargosa River instruments.

Contact: Dave Stonestrom

July 1999

USGS-NV (7/14-16): measure soil moisture and ground-water level; service weather, water-potential, and air-pressure instruments; GPS measurements; service evapotranspiration instruments and soil-CO₂ flux chambers.

Contact: Brian Andraski

USGS-NV and -NRP (7/20-22): service temperature sensors in ungaged arroyos, Upper Amargosa Basin.

Contact: Dave Stonestrom

June 1999

USGS (6/28-30): service evapotranspiration instruments and soil-CO2 flux chambers.
Contact: Alan Riggs

May 1999

USGS (5/6-10): field mapping of geology.
Contact: John Whitney

USGS-NV (5/11-15): measure soil moisture and ground-water level; service weather and water-potential instruments; service evapotranspiration instruments and soil-CO2 flux chambers.
Contact: Brian Andraski

USGS in cooperation with Univ. of Texas-Austin, Univ. of Wisconsin-Madison (5/11-24): service bulk precipitation sampler; soil-gas sampling; plant sampling; Amargosa River infiltration tests; retrieve water-potential instruments; geophysical surveys; groundwater sampling; install air-pressure measurement equipment; bulk soil sampling.
Contact: Brian Andraski, Dave Stonestrom

April 1999

USGS (4/7-9): service evapotranspiration instruments and soil-CO2 flux chambers.
Contact: Alan Riggs

USGS-NV (4/20-22): measure soil moisture and ground-water level; service weather and water-potential instruments.
Contact: Brian Andraski

March 1999

USGS-NV (3/22/-26): topographic survey; measure soil moisture, erosion/subsidence pins, and ground-water level; service weather and water-potential instruments.
Contact: Brian Andraski

February 1999

USGS-NV (2/22-25): service evapotranspiration instruments and soil CO2 flux chambers; measure soil moisture and ground-water level; service weather and water-potential instruments.
Contact: Brian Andraski

January 1999

USGS (1/18-20): service evapotranspiration instruments and soil CO2 flux chambers.
Contact: Dave Stannard

USGS Toxic Substances Hydrology Program--Technical Review of the ADRS (1/20-22):
Contact: Brian Andraski or Dave Stonestrom

1998

December 1998

USGS (12/3-4): field mapping of geology.

Contact: John Whitney

USGS-NV (12/14-17): service evapotranspiration instruments and soil CO₂ flux chambers; measure soil moisture and ground-water level; service weather and water-potential instruments.

Contact: Brian Andraski

USGS (12/15-16): Retrieve data and redeploy streambed temperature sensors along Amargosa River and tributaries, lower Oasis Valley and Upper Amargosa Desert.

Contact: Dave Stonestrom

November 1998

USGS (11/16-18): service evapotranspiration instruments and soil CO₂ flux chambers.

Contact: Alan Riggs

USGS-NV (11/16-19): measure soil moisture and ground-water level; service instruments.

Contact: Brian Andraski

October 1998

Desert Research Institute and USGS (10/1-8): soil-gas sample collection for carbon-14 analysis.

Contact: Herbert Haas, Don Thorstenson, Brian Andraski

USGS (10/8): service temperature sensors in ungaged arroyos, Upper Amargosa Basin; service bulk precipitation collector at the ADRS.

Contact: Dave Stonestrom

Friends of the Pleistocene (FOP) Pacific Cell Field Trip (10/9-11/98): field trip of the Yucca Mountain and Amargosa Desert Areas of southern Nevada, coordinated by USGS and Bureau of Reclamation, will include a stop to discuss hydrogeologic studies at the ADRS.

Contact: Emily Taylor (FOP coordinator); Brian Andraski, Dave Stonestrom (ADRS-stop leaders)

September 1998

USGS (9/13-15): field mapping of geology.

Contact: John Whitney

USGS (9/14-15): service evapotranspiration instruments and soil CO₂ flux chambers.

Contact: Alan Riggs

USGS-NV site visit (9/28-30): measure soil moisture and ground-water level; service instruments.

Contact: Brian Andraski

Desert Research Institute and USGS (9/28-30): soil-gas sample collection for carbon-14 analysis.
Contact: Herbert Haas

July 1998

USGS-NV site visit (7/28-30): measure soil moisture and ground-water level; service instruments.

Contact: Brian Andraski

June 1998

USGS-NV site visit (6/8-10): measure soil moisture and ground-water level; service instruments.

Contact: Brian Andraski

USGS (6/15-19): soil-gas sample collection for tritium analysis.

Contact: Rick Healy

May 1998

USGS (5/15-17): service evapotranspiration instruments and soil CO₂ flux chambers; manual soil CO₂ chamber measurements.

Contact: Alan Riggs

USGS (5/15-17): reconnaissance mapping of geology in the northern Amargosa Desert; join staff from the Center for Nuclear Waste Regulatory Analyses (CNWRA), San Antonio, while they complete detailed geophysical surveys in the Amargosa Desert.

Contact: John Whitney

USGS-NV site visit (5/18-20): install long- and short-wave radiometers; measure soil moisture and ground-water level; service instruments; check temperature sensors in ungaged arroyos, Amargosa River Basin.

Contact: Brian Andraski

April 1998

USGS (4/7-10): service evapotranspiration instruments and soil CO₂ flux chambers; manual soil CO₂ chamber measurements.

Contact: Alan Riggs

USGS-NV site visit (4/23-24): measure soil-moisture and ground-water level; service instruments.

Contact: Brian Andraski

USGS (4/28-30): service temperature sensors in ungaged arroyos, Upper Amargosa Basin; service precipitation collector.

Contact: Dave Stonestrom

March 1998

USGS-NV site visit (3/16-20): measure soil moisture and ground-water level; service instruments.

Contact: Brian Andraski

USGS (3/16-20): service temperature sensors in ungaged arroyos, Upper Amargosa Basin; service precipitation collector.

Contact: Dave Stonestrom

Desert Research Institute and USGS (3/16-20): soil-gas sample collection for carbon-14 analysis.

Contact: Herbert Haas, Rob Striegl

February 1998

USGS-NV site visit (2/17-19): measure soil moisture and ground-water level; service instruments. Field tour of ADRS following Alternative Covers Assessment Program Workshop in Las Vegas (2/18).

Contact: Brian Andraski

USGS (2/16-19): service evapotranspiration instruments.

Contact: Dave Stannard

January 1998

USGS (1/5-9): emplacement of temperature sensors in ungaged arroyos, Upper Amargosa Basin.

Contact: Dave Stonestrom

USGS (1/12-15): soil CO₂ flux measurements.

Contact: Alan Riggs

USGS-NV site visit (1/26-28): measure soil-moisture and ground-water level; service instruments.

Contact: Brian Andraski

December 1997

USGS-NV site visit (12/15-20): Service and repair of ancillary facilities and weather station; measure soil moisture using neutron probe; measure ground-water level; assess operation of and retrieve raw data from dataloggers.

Contact: Brian Andraski