

Guidance on Geology Field Trip Planning and Organization

Introduction

AIPG has a long history of being in the forefront of planning and leading field trips because its members and guests enjoy the opportunity to meet with other geologists and associates to explore and learn more about the geology and the local area. Field trips provide great opportunities for learning more about other fields of geology. The field trips are a source of camaraderie for the section members and guests. They may be an opportunity for networking, especially for students and early career professionals. They are also an opportunity for local/state/federal agency geoscientists to learn more about AIPG and its members.

This guidance document has been prepared to be a primer with suggestions on planning a field trip for an AIPG section or perhaps a geology field trip in conjunction with other organizations or for other similar events. AIPG sections have the option of offering a field trip for a partial day, full day or even longer, such as a multi-day trips that includes evening functions for the group. This document is intended to be a toolkit for the planning and organizing of a successful event.

First Considerations

There are interesting places to visit throughout the country, so determining where to go for a field trip may be a decision based upon factors such as:

- **Interests of the members of the section or to areas of timely/topical geoscience interest.** Send out a newsletter or email asking for suggestions (and to recruit volunteers) from the section. Consider including several topics or locations along with asking for additional suggestions to encourage return comments. Check the AIPG web site for what other sections have done for field trips and related functions. It's also good to poll members to see what would be the most appropriate time commitment for a field trip. Sections with very busy members may have greater success in attracting participants to a day trip versus a multi-day trip. Duration also has a cost factor so members may prefer shorter duration with lower costs.
- **Members available to help plan and carry out the field trip.** Arranging a successful field trip involves a committee. A person needs to take the lead and be the main point of contact but it is highly recommended to have others on a committee to help with planning and execution of the field trip. At least two members working together will make the field trip enjoyable and not be a burden on a single member. Be sure that each member of the planning committee has a designated role. Having two or more leaders on the trip is also a good safety practice in case of emergency.
- **Field trip leaders.** Sources of field trip leaders (the technical part of the excursion) may be a member of the section, a geologist from your state geological survey, or a company with a project (for example, a mine or quarry, geologic hazards area, hydrogeologic study area) with a company representative or consultant, a university professor or PhD student, or a geologist with a public agency (USGS, US Forest Service, state or national park service, departments of water resources, departments of environmental services, highway department). Review the section members list (member name and company affiliation) for sources if you need ideas.

- **Travel distance.** Consider travel distance for many AIPG section members or for membership geographic clusters. Consider adjacent AIPG sections as well, if appropriate. Also, consider inviting a local group of similar interests (geology/ hydrogeology/mining/geotechnical group) to coordinate a joint field trip. Often some AIPG members are involved with other professional interest groups and including other groups may introduce others to AIPG and enhance the field trip. There are advantages of sharing the planning duties, plus a joint field trip allows members with dual memberships to participate with both organizations.
- **Participants.** Determine if the field trip is for members only or are guests welcome. Is the field trip for adults only or are children (age requirements?) with an adult welcome.
- **Mode of Transportation.** Depending on number of anticipated participants, destination, and amount of travel, consider hiring a bus with professional driver from a reputable tour company. Cost per person must be factored for the field trip. If vehicles are going to be rented for the field trip, be sure the designated drivers are instructed to purchase the rental agency insurance.
- **Other events conflicts.** Before making detailed plans and setting the date, be sure to check on key national/state holidays as well as other events in the area that could impact venues for the field trip, availability of members to participate, and costs. Consider university/college events (graduation, homecoming, sports, parents' weekend), local tourist and sport events (Superbowl, running races, arts/crafts fairs, large music events, rock shows) that will impact hotel/restaurant costs and availability.

Additional Considerations for a Multi-Day Trip

Consider the field trip duration, day of the week, and whether a multiple-day trip is desired. The length of time needed for section members to drive to a location should be considered. Along with determining location and field trip leader, additional plans need to be made for the actual field trip. Good advance planning leads to a successful field trip.

- For a multiple-day excursion, see below for Overnight Accommodations Planning regarding planning for a hotel.
- Consider a dinner or other social function as part of the multi-day excursion. See below for Evening or Associated Social Event Planning.
- Determine if the field trip leader is a volunteer or is serving as a representative of a company or government agency or similar. Depending on duration and location of the field trip, need to determine if the field trip leader requires some compensation of expenses (hotel, meals, travel expenses, costs of print outs, and similar expenses). Is the section to pay for hotel, meals, travel expenses, and similar expenses of the field trip leader. And, need to determine if a small gift of thanks will be appropriate. Some public officials and company employees are not allowed to accept gifts or gifts of above a certain price. Be sure to clarify reimbursement or expected compensation agreements with the field trip leader.

Other Details for the Field Trip

Some additional thoughts for planning a successful field trip event include:

- Consider providing a fieldtrip guidebook, or a map, geologic cross sections, lithology, or other sources of information as supporting information for the participants. If agreeable with author or field trip leader, send by email in advance to participants.
- Check with field trip leader to see if rock collecting is allowed and advise participants. If rock hammers are allowed, please remind participants to use safety glasses.
- Check if personal photography is allowed at the site; confirm if photos are allowed to be included in TPG or newsletters.
- Identify costs for actual field trip (printing/copy charges, entry fees, food, transportation, etc.).

- Decide if there will be a field trip fee to cover the costs, or some of the costs, or if the section will cover the cost. If fee collected in advance for field trip or associated function, be sure to establish cancellation/refund policy (for example, the date associated with cancellations).
- Arrangements for lunch, snacks, water and/or non-alcoholic drinks. Designate who will arrange for these items, place order, and pick up/delivery. It is also acceptable to require field trip participants to provide their own beverages and lunch. Check for suitable restaurants (also allows for restroom stop) as an option for field trip participants to purchase lunch is another option to consider.
- How will the food be transported (for example, in ice chests with ice) and who will bring the ice chests and provide the ice. If the section will be providing lunches, consider whether the lunches can be picked up early enough on the day of the field trip, and also the size of each lunch and whether the ice chest(s) is of sufficient size.
- Menu choices and any options for vegetarian/vegan/gluten-free, etc.

Evening or Associated Social Event Planning

If there will be a dinner or other social function associated with an event, having the evening function close to or at the hotel is recommended. Considerations for the dinner location:

- Reserving a separate room or area for the group.
- Estimate of the number of attendees.
- Time of function including social gathering and dinner if planned, and speaker.
- If there will be a speaker, determine AV requirements and possible costs.
- Whether participants will order off the menu or whether there will be a limited menu prepared for the group (and if attendees need to specify preference in advance).
- Options for vegetarian/vegan/gluten-free/etc.
- Most restaurants will include tea/coffee but no alcoholic drinks in a group fee, and will add the tip into the fee; consider having alcoholic beverages paid separately such as a cash bar.
- Method of payment options. Payment in advance or payment at the event. Consider collecting cash/check payments and have section officer pay with a credit card and be reimbursed. Some restaurants will allow individual payments but this is not typical. Be sure to collect for tip, checking to see what the restaurant will include as tip for large group.
- Cut-off date for downpayment (if required) and RSVPs (and who is to receive responses). Be sure to clearly state cancellation policy.
- Provide the restaurant time, address, general menu description, cost, and payment method in the field trip announcement.

Overnight Accommodations Planning

When it is a multi-day event, it is desirable to select a hotel that is convenient and has a good room rate. Basic information needed:

- Arrange for a block of rooms based on estimate of number of rooms are reasonable for your section. Room blocks should be established with no financial obligation on the part of the arranger/organizer. The hotel may have a maximum it is willing to allow for a block; typically based on size of hotel and expected reservations and if other events in the area. Hotels often assign a code for the room block/rates such as American Institute of Professional Geologists or AIPG Geology Field Trip or similar.
- Room rates (note other fees if possible).
- Provide information on amenities included such as Wi-Fi, parking, and breakfast.
- Include cut-off date for reservations under the block of rooms. Hotels often release the rooms back into the general pool of rooms a month or two weeks in advance of event date.

- Provide hotel reservation instructions in the field trip announcement with the hotel name, address, and direct phone number.

Field Trip Logistics

- Determine transportation needs (carpooling, individual vehicles) and whether 4x4 or any special road conditions that are anticipated.
- If there will be car-pooling to the field trip site, be sure to alert people to that option so that some people will be prepared to be drivers and their vehicles are suitable for the terrain. Remind drivers they must have insurance.
- Consider entrance fees. If certain passes are accepted (such as national parks pass), be sure to identify and encourage members to bring passes if they have those.
- Provide note whether there will be bathrooms, strenuous walking, heat/cold, high elevations, etc. Notify participants of typical weather conditions to expect, safety hazards, and physical activities. AIPG membership includes a wide range of persons with different abilities for walking, so options when there is a significant physical level required are appreciated.
- Provide a map/directions to the meeting point.
- If a multiple-day event is planned or if travel to starting point of field trip is likely for many participants, consider arrival the night before. See Overnight Accommodations Planning. Consider arranging an informal get-together that evening at the group hotel or nearby restaurant and whether there would be a get-together following the event the next day.
- Provide approximate start/finish times and an itinerary for the day.
- While on the field trip, don't forget to have someone to take a group photo!

Field Trip Announcement

Once the details are in later planning stage, be sure to send out announcements. Emailing a “save the date” announcement is a good idea while final plans are being set. A “save the date” announcement example is provided as part of this document.

- AIPG national will provide the most recent email list for your section. Just give them a call or send email request. AIPG staff may also help with email announcements.
- If emailing to members of the section, be sure to send by “bcc” to keep email addresses private. Prepare a summary for the message and include general info in the email subject line (RE:). Have full announcement as PDF as an attachment to the email. Do not include multiple attachments as the email may be captured as spam. Some email services have a size restriction and number of emails that may be sent per hour and similar. Just be aware of limitations.

The field trip announcement should include:

- Description of field trip sites. Include location map if appropriate. Be sure to identify who is coordinating the event and include email, phone, and similar contact information.
- Indicate whether guests are welcome, and whether there is a minimum age.
- Registration method and deadline. Cancellation deadline/policy if appropriate.
- Registration instructions. Be sure to request information such as the participant's name, AIPG member number, contact information, email, and cell phone number. Also, be sure to include this information also for their guests.
- Fee and payment options (cash/check/credit card) with registration or at the event.
- Who to email/call with questions.
- An outline of the event itinerary is helpful.
- Instructions on whether a safety form is required and when it needs to be filled out.
- The AIPG logo (available from AIPG headquarters).
- Instructions on clothing, whether sample collecting is allowed, photography, etc.

An example field trip announcement is provided as part of this document.

Health and Safety

- Very important - Field trip coordinator/planner, while compiling list of participants, should have spreadsheet list of participants (this includes AIPG members and any others), the participant's cell phone number, email address, home address, and an emergency contact name and phone number. Be sure all field trip participants have the field trip leader/coordinator cell phone numbers in case of last-minute changes. The list should be shared with other coordinators so more than one person has the list. The list (or modified list with just names and cell phone numbers) should be shared with other field trip participants at the beginning of the field trip. This is critical for emergency situations or should someone become lost.
- Determine whether specific safety clothing is required and whether participants need to bring their own or if safety equipment may be provided on site. This could include hiking boots, sturdy shoes, safety vests, hard hats, gloves, safety glasses, or other items.
- Confirm that First Aid kit(s) will be available and know where the nearest medical services are available, such as a hospital or emergency clinic.

Insurance and Liability Waivers

- Check with the field trip leader if the site visit requires participants to sign waivers or similar forms for the company or property owner. If so, plan to have forms at start of field trip for completion. These forms should not be emailed. They are often prepared for a specific company or site and are not for wide distribution. The completed forms should be provided to the field trip leader or company representative when the field trip starts.
- Download from the AIPG website the most up-to-date copy of the AIPG waiver form that participants should fill out as a waiver of liability for AIPG (**Assumption of Risk, Release, and Indemnification Agreement for Field Trips**). Read the agreement to determine if appropriate for the event; it is required for field trips being organized by AIPG. This form should be used in addition to any waiver form required by property owner of the site. Copies of this form should be distributed by the AIPG field trip coordinator and participants are to sign at the start of the field trip. These AIPG forms are collected by the AIPG field trip coordinator. Note that there are provisions for minors (under age 18) to be participants, but a parent or guardian needs to sign for them. This form is available on the AIPG web site, plus 2023 versions are included as an example in this guidance manual.
- Note that the AIPG waiver includes the consent to medical care and permission to use images taken during the event.
- AIPG has commercial general liability insurance to cover most field trips and meetings (note that some facilities require proof of insurance; in this case a certificate of insurance can be requested from AIPG national). AIPG headquarters can provide information about its insurance related to section events, such as field trips and section meetings (note: these are under the "Special Events Endorsement" language of AIPG's insurance policy). Coverage is automatic. The insurance endorsement applies only with respect to liability for bodily injury, property damage, and personal and advertising injury.
- Whenever renting vehicles for AIPG events, purchase the rental company's insurance. Drivers of personal vehicles that are used for carpooling should note that their vehicle insurance would be applied before AIPG's insurance would be applied. When organizing carpools, it is recommended that drivers show proof of insurance.
- Officers and field trip leaders acting on behalf of AIPG are covered by AIPG's insurance for personal liability.

- AIPG's insurance does not apply outside the USA. For AIPG events outside the USA, consult with the AIPG national office.

Concluding Remarks

This guidance document provides suggestions for organizing a successful field trip for a day, over a weekend or longer, and for planning the associated events and logistics. Our members enjoy field trips and these are great opportunities for AIPG members and others to learn more about AIPG and the geosciences.

If you plan your event well in advance, your field trip announcement may be submitted to The Professional Geologist. The field trip may also be included in the AIPG events calendar with a link to the announcement. Similarly, once the field trip is concluded, the section is encouraged to submit a summary of the field trip, complete with photos, to **The Professional Geologist** to share with other members.

Contact the National office for advice, assistance, and examples! The national vice president and your advisory board representative may also be resources.

aipg@aipg.org
303-412-6205

Example of a Save the Date Announcement



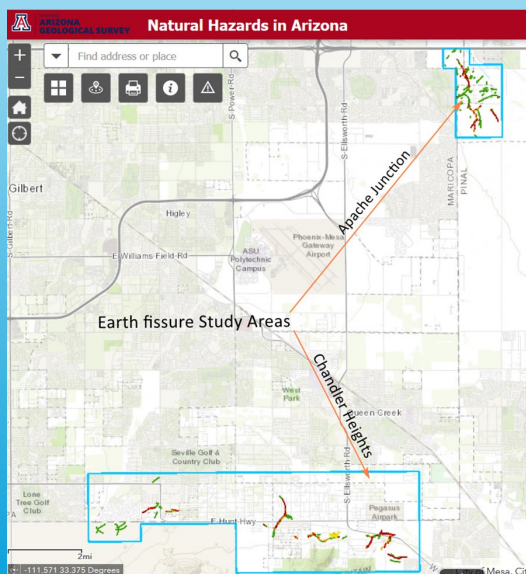
GRABOIDS ARE THE LEAST OF OUR CONCERNS

SAVE THE DATE FOR THE FIELD TRIP ON SATURDAY, NOVEMBER 9, 2019

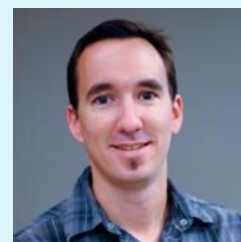
The “graboids” that terrorized the desert were the bane of a graduate student conducting seismology tests and the local population in a remote Nevada area in the classic geologist movie “**Tremors**” and its sequels. There hasn’t been a graboid spotted in Arizona, but we face the very real concern of earth fissures.

Please mark your calendar to join the **American Institute of Professional Geologists (AIPG) Arizona Section** and the **Arizona Geological Society (AGS)** on a joint field trip to see **EARTH FISSURES** near Apache Junction and Chandler Heights, in Maricopa and Pinal Counties, Arizona. The trip, which will be held on Saturday, November 9, 2019, will start and end in the Phoenix area. The details of the field trip logistics will be announced at a later date.

We’ll examine some long-lived (decades-long) and recently reactivated fissures near Houston and Meridian Road, Apache Junction, and near the intersection of the Thompson and Hunt Highway adjacent to the Santan Mountains. The Houston Road fissure provides an opportunity to examine a recent mitigation project (spring - summer 2018) that failed in the face of its first monsoon storm in Aug. 2018.



Our field trip leaders will be Mike Conway and Joe Cook, Arizona Geological Survey.



Example of a Field Trip Announcement



NEW MEXICO and ARIZONA SECTIONS
AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS
Copper Flat Field Trip and
Very Large Array at National Radio Astronomy Observatory Tour
Truth or Consequences, New Mexico
June 9–11, 2023

This is a cooperative field trip with the New Mexico and Arizona sections, and national AIPG all participating. The field trip will be to the Copper Flat historic mining and polymetallic project, located in Hillsboro, west of Truth or Consequences (T or C), on Saturday, June 10th and to the National Radio Astronomy Observatory, Very Large Array (VLA) near Socorro, on Sunday, June 11th.

Our field trip leader is William X. Chávez, Jr. Bill has been Professor of Geological Engineering and Economic Geologist at the New México School of Mines since 1985. He has BSc. degrees in Geology (1976) and Mine Engineering (1977) from that school, and M.A. (1980) and Ph.D. (1984) degrees in Geology from the University of California at Berkeley. His studies focus on alteration and mineralization characterizing porphyry and epithermal systems, emphasizing field aspects of ore deposits and their environments. He also is involved with how weathering affects metals mobility, as applied to supergene processes and mine remediation. Dr. Chávez is an Honorary Lecturer for the Society of Economic Geologists, and instructs workshops and field courses for the SEG to students and professional geologists.



There is a lot of detailed information regarding the field trip, so please read through this announcement carefully.

Hotel and Informal Dinner
Friday, June 9

The field trip group will meet at Truth or Consequences, NM on Friday evening, June 9th. A hotel room block has been set up at the Holiday Inn Express, 2201 FG Amin Street, Truth or Consequences, NM 87901. The hotel includes free WiFi and hot breakfast.

The room block (for 20 rooms) for arrival June 9th and check out June 11th, expired on May 10th; you still might be allowed to make reservations under the room block rate but call as soon as possible. You must call the hotel directly and refer to **AIPG Geology Group** to make your hotel reservation (direct phone 575-894-3900).

We have planned for the group to meet informally on Friday evening at the T or C Brewing Company, 410 N Broadway St., at 6 PM for “reunión de grupo y refrescos”.

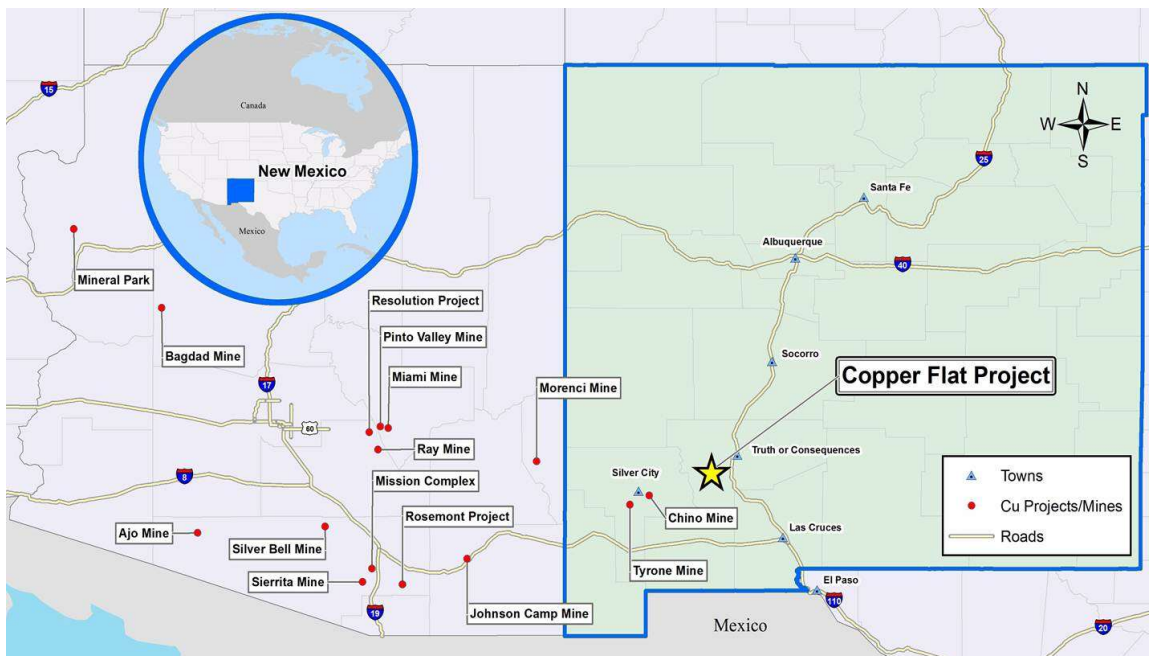
ADDITIONAL INFORMATION

June weather in New Mexico can be warm, even though Copper Flat is at a higher elevation than T or C. Please bring sunscreen and a hat for the sun. You may also want to bring leather gloves, safety glasses, collection bags, and a rock hammer. Long sleeved shirts and long pants are recommended.

Copper Flat Field Trip

Saturday, June 10th

The southwestern states of the USA are host to some of the world's largest and most prolific porphyry copper deposits. Typically, the ores are moderate, but their exceptional scale result in them being the most economical to develop. The Copper Flat Project is located in the historic Hillsboro mining district of New Mexico, USA. Following the discovery of placer gold and silver deposits in the late 1870's, it was one of the first districts to be mined. For a century, silver and gold was produced from placer operations in the vicinity of the Copper Flat Project. The first copper smelter was developed in the town of Hillsboro in 1892 and operated until the early 1900s. Small-scale copper and precious metal mining continued in the district until 1941. Between the 1950-1960s majors such as Newmont Mining Company (Newmont) and Bear Creek Mining Company (Kennecott's former exploration subsidiary) became involved in the district, and had varying exploration exposure to the project area.



On Saturday, June 10th, the field trip to Copper Flat will leave from the Holiday Inn Express hotel at 9:00 am. Please be in the hotel lobby by 8:45 am so we may distribute field trip itinerary and paperwork for mine entry, and to regroup into carpools so fewer cars are used. Plans are to tour Copper Flat mining operations. In the Copper Flat Area, one can see exposed veinlets that host pyrite + chalcopyrite + molybdenite – and their oxidation products, including very beautiful deep blue ilsemanite, a soluble molybdate [$\text{Mo}_3\text{O}_8\cdot\text{H}_2\text{O}$] and characteristic of very low pH weathering. We will be able to observe different rock types and structures, especially various veinlet types; contacts between rock units, Copper Flat ore host rocks and late, cross-cutting dikes of the Copper Flat System.

Return to Truth or Consequences is planned for about 6 pm. Dinner on Saturday evening is planned for the group (but paid individually) at La Cocina restaurant (1 Lakeway Drive, T or C) at 6 pm. There is a large assortment of menu choices that range from New Mexican cuisine to steaks. The restaurant is about a 5-minute walk from the Holiday Inn Express.

Themac Resources Group holds Copper Flat through its local subsidiary, New Mexico Copper Corporation (NMCC). All participants will need to complete the NMCC safety form. NMCC will collect the

forms and provide a safety orientation at the gate before starting the tour. We anticipate having the Themac Resources Group CEO (Jeff Smith) and the local site supervisor (Clay Hein) on site with us.

Additional reports on Copper Flat:

- Dunn, P. G., 1982, Geology of the Copper Flat Porphyry Copper Deposit, Hillsboro, Sierra County, New Mexico; in Titley, S. R. (ed.), Advances in geology of the porphyry copper deposits: Univ. of Arizona Press, p. 313–326.
- Geology and Evolution of the Copper Flat Porphyry System, Sierra County, New Mexico by Virginia McLemore, November 2016
<https://geoinfo.nmt.edu/staff/mclemore/projects/mineralresources/hillsboro.html>
- The Technical Report from Themac Resources can be downloaded from their website at Technical Reports - Copper Flat Mine - Mac Resources Group (themacresourcesgroup.com)



**Very Large Array at National Radio Astronomy Observatory Tour
Near Datil, New Mexico
Sunday, June 11th**



On Sunday, June 11th, a visit is planned to the National Radio Astronomy Observatory (NRAO), Very Large Array (VLA) telescope facility, access from along Highway US60, near Datil, and west of Socorro. We are scheduled for a 10 am guided tour. Travel time from Truth or Consequences to VLA is about 2-1/4 hours (the facility is about 50 miles west of Socorro). We will meet near the gift shop at the visitor center.

The NRAO is a facility of the National Science Foundation operated under cooperative agreement by Associated Universities, Inc. Founded in 1956, the NRAO provides state-of-the-art radio telescope facilities for use by the international scientific community. NRAO telescopes are open to all astronomers regardless of institutional or national affiliation. Observing time on NRAO telescopes is available on a competitive basis to qualified scientists after evaluation of research proposals on the basis of scientific merit, the capability of the instruments to do the work, and the availability of the telescope during the requested time. NRAO also provides both formal and informal programs in education and public outreach for teachers, students, the general public, and the media. There is a \$6 admission charge per person, including group leaders, to the VLA. Please plan to self-pay.

Please note that the VLA is at an elevation of 7,000 feet so visitors should prepare for extreme weather conditions year round. The path for the self-guided walking tour is level and approximately 0.5 miles in length, half of which is unpaved gravel. There is NO food service at the site and the nearest gas stations are in Magdalena and Datil.

VLA requires electronic devices (cell phones, tablets, or anything else with an “on/off” switch) to be in airplane mode, and all WiFi and Bluetooth devices (GPS, cameras, wireless headphones, fitbits) to be turned off, whether on your person or in your vehicle.

RESERVATIONS

Please note, if planning to attend this field trip, either both sites or one, you will need to respond to John Sorrell no later than June 1, 2023.

To reserve a space, call John Sorrell at 505-239-6172 or send email to geodejohn@gmail.com and provide name, AIPG member number, AIPG section affiliation, your contact information including email and cell phone number.

Friends and family members may also attend but must be registered with John Sorrell. Please indicate if they are part of your group. Additional information will be provided by early June to those who have registered to attend the field trips.

There is no field trip fee, but participants will be responsible for payment of dinners, hotel, and VLA entrance fee. The AIPG sections are sponsoring the lunch, bottled water, and some snacks for Saturday. No drinks or food are available at VLA.

SCHEDULE AT A GLANCE

Friday (June 9)

6 pm Informal gathering at T or C Brewing Company, 410 N Broadway St.

Saturday (June 10)

8:45 am Meet in lobby of T or C Holiday Inn Express (collect completed NMCC safety forms).

9 am Leave hotel for field trip.

9:45 am Arrive at Copper Flat Blue Gate (check-in, safety orientation, group photo).

Morning Copper Flat Area (Rock hammers allowed but bring safety glasses; no climbing on mine highwalls).

Mid-day Diversion Channel and lunchtime. Lunch, bottled water, and some snacks will be provided for the group by the New Mexico and Arizona sections.

Afternoon Mine bench at north end of pit.

6:00 pm Return to T or C hotel. Dinner at La Cocina restaurant (1 Lakeway Drive) at 6 pm. The restaurant is about a 5-minute walk from the Holiday Inn Express.

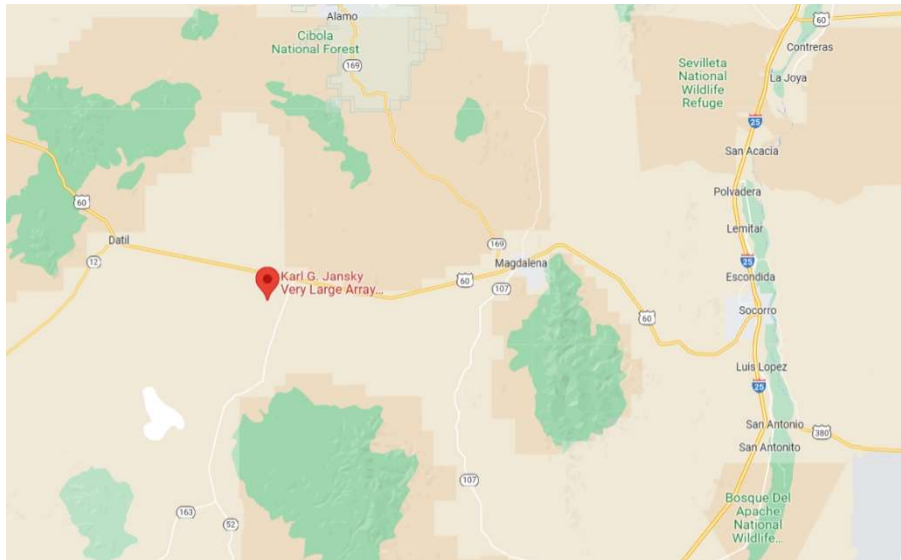
Sunday (June 11)

7:30 am Leave T or C hotel for travel to NRAO VLA

10 am Meet at VLA Gift Shop for group tour

12 noon Complete VLA tour and depart for home.

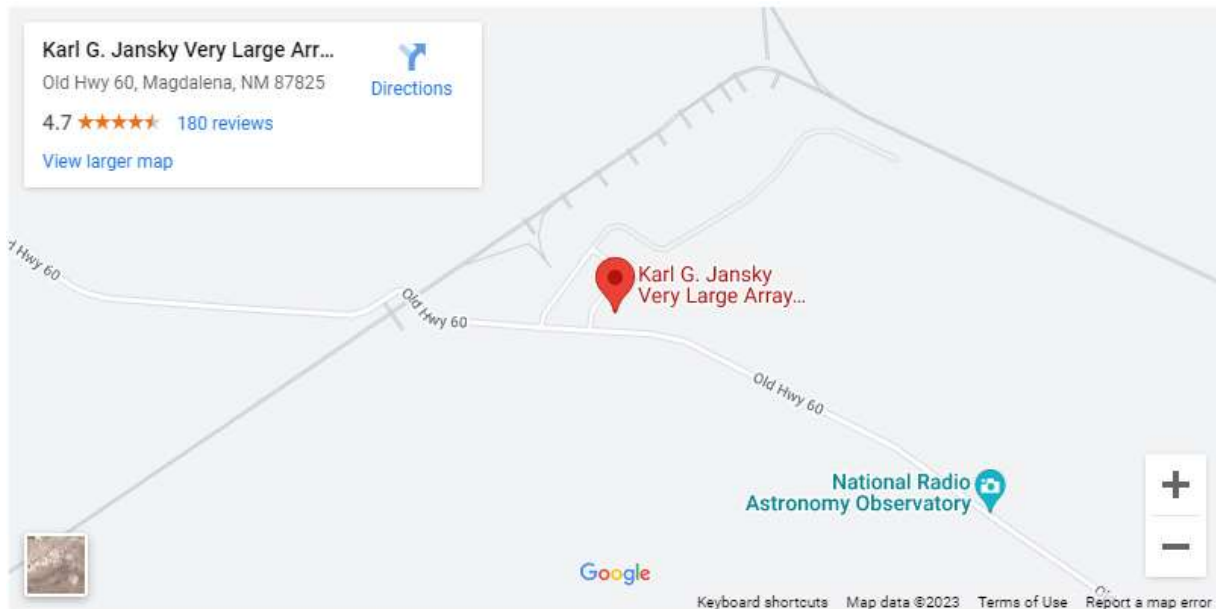
Directions to VLA from Socorro



- From I-25 in Socorro, exit on to US60 west.
- Travel through the small town of Magdalena and continue on US60.
- Turn south onto NM52 just west of mile marker 93.
- Drive 2.5 miles then turn right on NM166 (Old Highway 60).
- Drive 1.6 miles and the VLA Visitor Center will be on your right.

For the Arizona participants, please note you may return to Arizona via US 60.

The VLA tour will start from the **Karl G. Jansky VLA Visitor Center**, which is shown below.



Celebrating AIPG's 60th anniversary in 2023!

Assumption of Risk Form (Events without Minors)

ASSUMPTION OF RISK, RELEASE, and INDEMNIFICATION AGREEMENT for FIELD TRIPS

This Agreement is between American Institute of Professional Geologists ("AIPG") and the Registered Participant(s)

Acknowledgement and Assumption of Risks

Participation in the AIPG Field Trip ("Excursion") carries with it certain inherent risks that cannot be eliminated regardless of the care taken to avoid injuries. Those risks include but are not limited to the hazards of traveling, accidents or illness in remote places without medical facilities, the forces of nature and travel by automobile or other means falling, being struck, colliding with objects or persons, reacting to increased exertion, suffering allergic reactions, slips, trips and falls, walking on rough or uneven surfaces, heat exhaustion, dehydration or risks associated with physical activities in general, catastrophic injuries including paralysis and death.

I have read the previous paragraph and I know, understand, and appreciate these and other risks that are inherent in participating in the Excursion. I hereby state that my participation is voluntary and that I knowingly assume and accept responsibility for all such risks (both known and unknown).

I accept and fully assume all risks, dangers and hazards and the possibility of personal injury, death, property damage or loss, resulting from my participation in the Excursion.

Waiver, Indemnification and Release

In consideration of being permitted to participate in the Excursion, the undersigned Participant, for myself, my heirs, personal representative or assigns, do hereby release, waive, discharge and covenant not to sue any individuals, organizations or entities of any nature including, but not limited to, AIPG, the AIPG Board of Directors (both jointly and individually), AIPG officers, employees, independent contractors, volunteers, members, agents, affiliates and any other persons assisting or participating in the Excursion who take part in the organization of, or participation in the Excursion ("Released Parties").

I also agree to defend, indemnify and hold harmless the Released Parties from any and all claims, actions, suits, procedures, costs, expenses, damages and liabilities, including attorneys' fee brought as a result of my involvement in the Excursion and to reimburse such parties for any such expense incurred.

I understand that by registering and/or attending a field trip, I am surrendering certain legal rights and agree to release and not to sue the Released Parties with respect to all claims, liabilities, suits or expenses (including attorneys' fees and costs) for any injury, damage, death or other loss in any way connected with my participation in the Excursion.

Severability

The undersigned further expressly agrees that this Agreement is intended to be as broad and inclusive as is permitted by the laws of the State of Colorado and that if any portion thereof is held invalid, it is agreed that the balance shall remain in full force and effect.

Consent to Medical Care

I authorize AIPG staff, representatives, contractors, or other medical personnel to obtain or provide medical care to me and I agree to pay all costs associated with such care and transportation.

Permission to Use Images

I acknowledge that photographs, videotapes, and other forms of media images may be taken during the Excursion and I hereby grant permission to AIPG to use these images in any manner AIPG decides for advertising, display, audio visual, exhibition, or editorial use. I waive any right to compensation in connection with the use of such images.

Acknowledgment of Understanding

I have carefully read this Agreement, fully understand their terms and understand that I am giving up substantial rights, including my right to sue. I acknowledge that I am acknowledging this Agreement freely and voluntarily and intend by my/our registration(s) to provide a complete and unconditional release of all liability to the greatest extent allowed by law. I represent that I am eighteen (18) years of age or older and otherwise competent to acknowledge this Agreement. I agree to abide by all AIPG rules and policies and if I have any mental, physical or emotional conditions or limitations that might affect my ability to participate, I agree to disclose those to AIPG. I am fully capable of participating in the Excursion without causing harm to myself or others.

I declare that I have read and understood the above Assumption of Risk, Release, and Indemnification Agreement for the Excursion in its entirety, and I hereby agree to be bound by the terms and conditions. I am aware that by registering and/or attending this event, I am waiving certain legal rights which I, my heirs, next of kin, executors, administrators and assigns may have against AIPG, its officers, directors, servants, employees and agents. If a minor is accompanying participant on the Field Trip an additional paper copy of this release will be required.

Printed Name: _____

Date: _____

Signature: _____

Assumption of Risk Form (Events with Minors)

ASSUMPTION OF RISK, RELEASE, and INDEMNIFICATION AGREEMENT for FIELD TRIPS

This Agreement is between American Institute of Professional Geologists ("AIPG") and the Registered Participant(s)

Acknowledgement and Assumption of Risks

Participation in the AIPG Field Trip ("Excursion") carries with it certain inherent risks that cannot be eliminated regardless of the care taken to avoid injuries. Those risks include but are not limited to the hazards of traveling, accidents or illness in remote places without medical facilities, the forces of nature and travel by automobile or other means falling, being struck, colliding with objects or persons, reacting to increased exertion, suffering allergic reactions, slips, trips and falls, walking on rough or uneven surfaces, heat exhaustion, dehydration or risks associated with physical activities in general, catastrophic injuries including paralysis and death.

I have read the previous paragraph and I know, understand, and appreciate these and other risks that are inherent in participating in the Excursion. I hereby state that my participation is voluntary and that I knowingly assume and accept responsibility for all such risks (both known and unknown).

I accept and fully assume all risks, dangers and hazards and the possibility of personal injury, death, property damage or loss, resulting from my participation in the Excursion.

Waiver, Indemnification and Release

In consideration of being permitted to participate in the Excursion, the undersigned Participant, for myself, my heirs, personal representative or assigns, do hereby release, waive, discharge and covenant not to sue any individuals, organizations or entities of any nature including, but not limited to, AIPG, the AIPG Board of Directors (both jointly and individually), AIPG officers, employees, independent contractors, volunteers, members, agents, affiliates and any other persons assisting or participating in the Excursion who take part in the organization of, or participation in the Excursion ("Released Parties").

I also agree to defend, indemnify and hold harmless the Released Parties from any and all claims, actions, suits, procedures, costs, expenses, damages and liabilities, including attorneys' fee brought as a result of my involvement in the Excursion and to reimburse such parties for any such expense incurred.

I understand that by registering and/or attending a field trip, I am surrendering certain legal rights and agree to release and not to sue the Released Parties with respect to all claims, liabilities, suits or expenses (including attorneys' fees and costs) for any injury, damage, death or other loss in any way connected with my participation in the Excursion.

Severability

The undersigned further expressly agrees that this Agreement is intended to be as broad and inclusive as is permitted by the laws of the State of Colorado and that if any portion thereof is held invalid, it is agreed that the balance shall remain in full force and effect.

Consent to Medical Care

I authorize AIPG staff, representatives, contractors, or other medical personnel to obtain or provide medical care to me and I agree to pay all costs associated with such care and transportation.

Permission to Use Images

I acknowledge that photographs, videotapes, and other forms of media images may be taken during the Excursion and I hereby grant permission to AIPG to use these images in any manner AIPG decides for advertising, display, audio visual, exhibition, or editorial use. I waive any right to compensation in connection with the use of such images.

Acknowledgment of Understanding

I have carefully read this Agreement, fully understand their terms and understand that I am giving up substantial rights, including my right to sue. I acknowledge that I am acknowledging this Agreement freely and voluntarily and intend by my/our registration(s) to provide a complete and unconditional release of all liability to the greatest extent allowed by law. I represent that I am eighteen (18) years of age or older and otherwise competent to acknowledge this Agreement. I agree to abide by all AIPG rules and policies and if I have any mental, physical or emotional conditions or limitations that might affect my ability to participate, I agree to disclose those to AIPG. I am fully capable of participating in the Excursion without causing harm to myself or others.

I declare that I have read and understood the above Assumption of Risk, Release, and Indemnification Agreement for the Excursion in its entirety, and I hereby agree to be bound by the terms and conditions. I am aware that by registering and/or attending this event, I am waiving certain legal rights which I, my heirs, next of kin, executors, administrators and assigns may have against AIPG, its officers, directors, servants, employees and agents. If a minor (under 18 years old) is accompanying participant on the Field Trip an additional paper copy of this release will be required. As parent/guardian of a minor, I hereby agree to this Agreement on behalf of the minor.

Printed Name (of minor): _____

Date: _____

Printed Name (of parent/guardian) _____

Signature (of parent/guardian): _____