Trans-Verde Project
Field Operations
Task Detail

Job Title: Bearing and Distance Persons (Badpersons)

Task Description: Locate the natural rock features in the area that have petroglyph figures on them. Measure distances and compass bearings from datum for mapping purposes.

Activities: (See ARAC Glossary for names and definitions)

Person A

1. With flags in hand pick an easily seen and easily described boulder. Be sure you can see about 50 meters all around. Flag this feature #1, the Datum.
2. Check the datum for rock art. If found, place a tape with a letter on each panel. A panel is a single flat contiguous area of the rock (See Glossary).
3. Flag and tape the rest of the features/boulders in the site that have rock art on them. Try to find some recognizable commonality among features. It is better to have a boulder-pile as a feature than to have single boulders as features.

Person B

1. Check your compass declination for 11.5 degrees or subtract it from the magnetic north reading.
2. Pick a spot on the Datum you can describe and stand on it. Enter a description of the Datum and where you are standing on it in "Description of Feature" on the Mapping Data Form. Stand in the same place for every compass shot you take.
3. Get the same sight picture for every shot. Sighting over your compass at the C Person try to get the same alignment and visual image for every shot. Align the north arrow using the dial and read the bearing on the scale.
4. Be sure the bearing you read is the bearing you are looking at on the ground. Enter the flag number the C Person gives you for the "Number" on the Mapping Form. Enter his description, coordinates, measurements, elevation and distance.
5. Keep the Mapping Data Form till the end of the day.

Person C

1. GPS Datum set for NAD 27. Begin work by reading your GPS coordinates and measurements for the Datum. Do it while you and the B person are there together. Then go in search of Feature 2, which you will flag as #2. Be sure you make sure the flag remains up right and is easily seen.
2. Place your GPS on Feature 2 and stand on it so B can see you and you can see him. Tell B the flag number on the radio.
3. Watch B and while he gets his shot of you, shoot him with your Range Finder. Don't try to shoot through any vegetation. Take your height and width of the feature measurements after B gets his shot. Give B the Feature's coordinates, elevation, measurements and description when he asks on the radio.
4. Set-up the Mug Board with the correct Site and Feature number. It helps to tell B what you are doing occasionally as it gives him a check on his numbering.
5. Photograph the Feature with as much skyline or area terrain context that you can include and still see the Mug Board and north arrow. You want a shot that helps recognize the Feature.
6. Record your shot number on the Photo Data Form and go in search of the next feature. Keep your Data Form to help sort out shots when you transfer to disk.