

Information for Frick's Cave Resurvey Project Participants

Updated: 11/28/01 bta

General

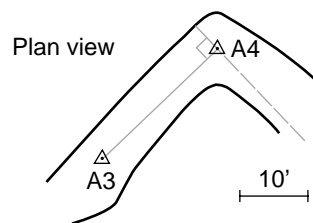
- Do not shine lights at bats or otherwise disturb them. Try not to be too loud when bats are around.
- Be careful walking in stream to avoid Tennessee Cave Salamanders and other organisms – try to walk on banks where practical.
- Bring out all human waste.
- Quality not Quantity.
- Survey side passages as you go.
- Southeastern Cave Conservancy, Inc has requested that trip reports posted to public forums, such as TAG-Net, be posted only by project coordinator.

Setting Stations

- Mark permanent stations approximately every 5 stations, especially at junctions and the end of each survey.
- Mark stations (temporary and permanent) using flagging tape and pen, making small scratches on rock (not formations!), or use carins. Don't use carbide lamps. Be careful to avoid damaging historical signatures or markings.

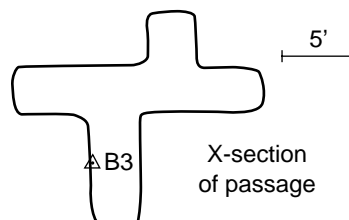
Passage Dimensions

- When left or right walls are greater than 15', measure distance with tape.
- Left and right should be estimated perpendicular from the last shot, not necessarily parallel to the outside walls, facing direction the survey is going.



At station A4
Left is 5'
Right is passage

- Okay to do multiple passage dimensions:
 - First passage dimension represents directly where stations is.
 - Last passage dimension represents outside wall drawn on map.



LRUD at station B3
L is 0/6, R is 3.5/10
U is 8/12, D is 5

New Instrument Readers

- Do front and backsights when a new instrument reader is reading.
- If two instrument readers on team, new instrument reader can do either front or backsights.
- If a new instrument reader is consistent between front and backsights for about a dozen shots, then the requirement for front and backsights can be dropped.

Cover Page

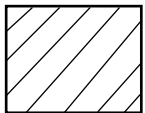
- Name of Cave
- Date
- Survey Team and duties
- Instruments used –who owns instruments or serial numbers
- Time entered cave
- Time survey started
- Time survey ended
- Time exited cave
- Number pages

Sketching

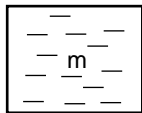
- Use order Left, Right, Up, Down for passage dimensions.
- Sketch to scale using ruler and protractor, use a scale of 20 feet to the inch.
- Make sure you have cross sections at least every 80 feet, more often if passage shape changes.
- If passage has a lot of vertical relief, also do a running profile.
- For backsights, mark as “ b “ for uncorrected backsight or “ c “ for corrected backsight. The circle helps distinguish it from the instrument reading.
- Use decimal feet for passage dimensions so as not to confuse slashes between multiple passage dimensions and fractions.
- Permanent station locations should be noted in notes with description – other station locations also helpful.

Floor Detail

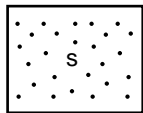
- Be thorough on floor detail. Use the following patterns for floor detail in addition to the commonly used cave symbols. Also, use letter abbreviation to help identify pattern:



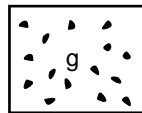
Water



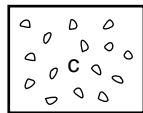
Clay/silt/mud



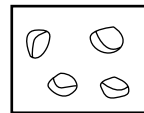
Sand



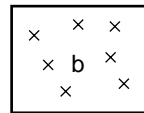
Gravel



Cobbles



Boulders



Bedrock

- Gravel – pea-sized to 3 inch diameter
- Cobbles – 3 inch diameter to 1 foot diameter

Notes

- Note anything of interest in the notes.