

Hints on taking pictures

For an optimal result of the survey certain boundary conditions during taking the photos should be kept in mind. Below possible causes for later problems during image processing are given.

Good image



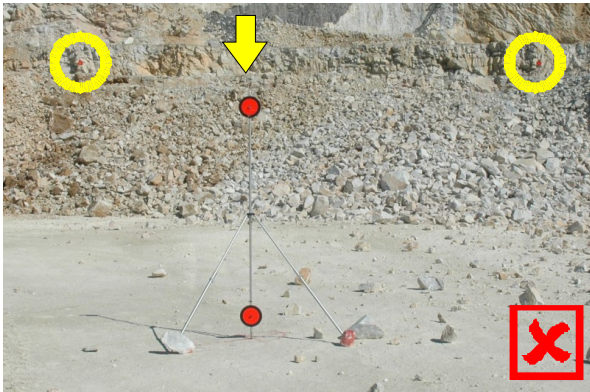
- Good Image:
- Area of interest stretches across image;
- Range poles are located outside the reconstruction area;
- Proper contrast;
- No sun flares

Area of interest too small within photo



- What to do:
- Change focal length;
- Change viewpoint (get closer)

Range pole in front of area of interest



- What to do:
- Change position of range pole laterally

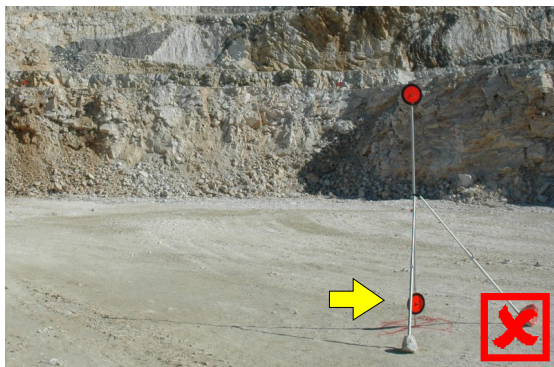
Range pole too close to camera



What to do:

Place range pole closer to the bench face wall

Target disc partially occluded



What to do:

Place tripod legs behind on opposite side;

Remove obstacle in front of target;

Change viewpoint;

Assemble range pole in alternative configuration

Sunflares



What to do:

Change viewpoint;

Use sunscreen or hand to prevent sunlight hitting the front lens directly

Still usable but not optimal: Dark areas



What to do:

Change viewpoint;

Ensure the camera to adapt exposure time according to the dark area;

Overexpose image to enhance contrast in shadow areas