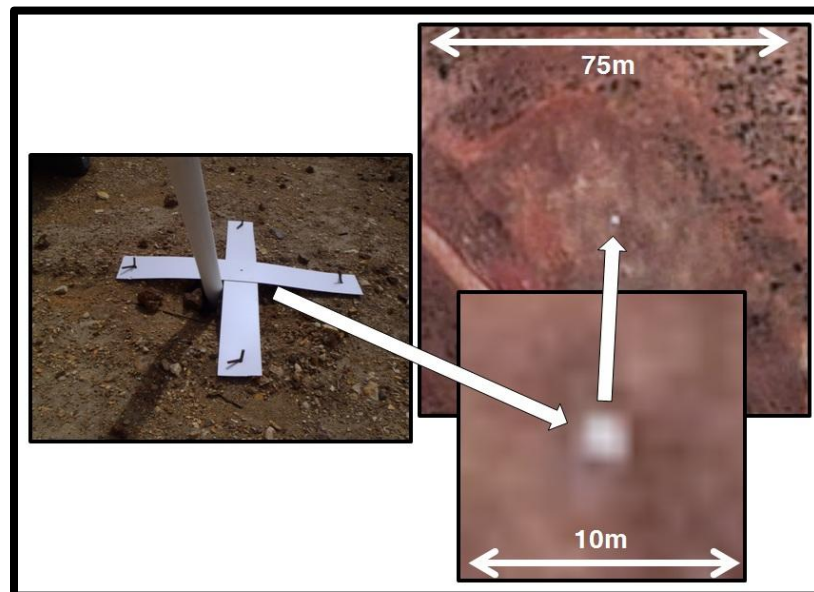


## Drill Hole Collar Coordinate Stereo Satellite Mapping Service

Do you need highly accurate, reliable, and verifiable drill hole coordinates for your 43-101 resource estimate or feasibility study?

“I have spent over \$50,000 over the last 18 months, with three different survey contractors, and I am still not sure where my drill holes are!” PhotoSat customer.

You construct crosses of white painted stones or other materials, centered on your drill hole collars and PhotoSat will provide you with highly accurate, reliable, and verifiable drill hole collar coordinates using high resolution stereo satellite photos.



**Example drill hole collar target.** A target like this white “X”, centered on the drill collar, shows up clearly on the high resolution satellite photo shown on the right. This enables PhotoSat to locate the drill collar within 50cm in east, north and elevation coordinates.

### Projects with existing PhotoSat stereo satellite elevation mapping:

If PhotoSat has already produced stereo satellite elevation mapping for your project we can map your drill collars using a new single high resolution satellite photo. The new mono satellite photo will be matched to the previous stereo satellite photo mapping. The drill hole targets will be clearly visible on the new photo, providing a highly accurate horizontal location. The drill collar elevation can then be extracted from the existing mapping. If there has been a cut or fill at the drill collar location since the previous PhotoSat mapping we will need to know the depth of the cut or thickness of the fill.

### Drill collars on steep west facing slopes:

The coordinates for drill holes on west facing slopes, steeper than 20% grade, will be slightly less accurate. As the satellites generally take their photos looking from the east, the coordinates of drill holes on east facing slopes, facing toward the satellite, should have accuracies better than 50cm. For drill hole targets on west facing slopes, facing away from the satellite look direction, the accuracy of the drill collar coordinates will depend on the degree of slope. As long as the drill collar target is clearly visible in both photos of the satellite stereo pair, the drill hole coordinate accuracy should be better than 1.0m. If the drill collar target is on a very steep west facing slope that is not visible on both of the satellite photos, we will not be able to determine its coordinates.