



Professionalizing the Force[®] Series of Training

DCS-MAPS[™] 2020

Sourcing Your Own & ALP Import Methods



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Sourcing Your Own

- Pick or create a “Target Folder” to save your working files.
- Find the location of your Survey using Google Earth (GE).
- Zoom to the 1st Alignment Point (ALP) location in GE.
- Create a Placemark, i.e. Push Pin, using (CTRL+ Shift + P), or GE menu: Add > Placemark.
- In the Placemark Dialog Box change the Push Pin Icon to a Crosshairs Icon.
 - Name the Placemark (recommend placing a couple of spaces prior to the text ALP 1 or ALP 2)
 - Click on the Push Pin Icon in the Dialog Box
 - Change Icon From Push Pin to Crosshairs
 - Change Color to Black, then click “OK”
 - Change Scale to 0.8, (using up/down arrows)
- While the Icon has a Yellow flashing boundary, Zoom in tighter & move the Crosshair into place.
- Once in place click the “Ok” button.
- Zoom to 2nd ALP location in GE and repeat same process used to insert ALP 1.
 - NOTE: *Google Earth will remember your last place mark's attributes*



Sourcing Your Own

- After ALPs are in place, right Click on the Crosshair Icon of ALP 1 and use “Save Place As”
 - Drill into the “Target Folder” and name the .KMZ file “ALP 1.kmz”.
- Repeat the same process for ALP 2, i.e. “ALP 2.kmz”
- Set up Google Earth screen to saving 2 x Images (one with & one without ALPs)
 - Ensure all un-needed toolbars are closed, the screen is cleaned up, and the “Save Toolbar” is open
 - Turn off all “Map Options” & set “Resolution” to Maximum 4,800 x 3,075
- Set the “Site Picture” of the Image in GE, (ensuring proper coverage)
- Double Tap the “R” Button, (this ensures a North and upright orientation in GE)
- Click on the “Save Image” Button (at the top left of the screen, in the “Save Toolbar”)
- Save the 1st Image to the “Target Folder” and name it “with ALP.jpg”
- Move the mouse to the top of the screen, (near “Google Earth Pro”), while Image saves
- Once Image is saved, click the top of the screen to reactivate the GE Pro Window
- **NOTE: Be CAREFUL NOT MOVE or ADJUST YOUR IMAGE**



Sourcing Your Own

- Without moving the mouse, type (CTRL+ Alt + B) to activate the GE side bar.
- Uncheck “My Places” and type (CTRL+ Alt + B) to deactivate the GE side bar.
- Click on the “Save Image” Button Again, (top left of the screen, in the “Save Toolbar”).
- Save the 2nd Image to the “Target Folder” and name it “NO ALP.jpg”.
- After both Images are saved, check the “Target Folder” & files:
 - 2 x KMZ Files (ALP 1 & ALP 2)
 - 2 x JPG Files (with ALP & NO ALP)
 - Double Click One of the JPG Files
 - When the file opens, toggle between the 2 x JPGs
 - The Images should not jump around & only the text on the Image will Appear & Disappear
 - If the Images jump around, they are NOT stereographic . . .
 - Delete the Images in the “Target Folder” & START OVER Saving the 2 x Images

NOTE: *Once the process is completed successfully, Start the ALP Method in DCS 2014.*



Alignment Point Method

- In DCS > Click “Create Project” or “Open Project” button.
 - Drill down to “Target Folder”
 - Name the Survey drawing
- In the Project Set-up dialog box, select the “ALP Method” button.
- Double click the KMZ file “ALP1.kmz” from the target folder.
- Verify Coordinate & MAGVAR information is present in the Dialog Box and select “Apply”.
- Select the 2nd “KMZ” Button in the Input Alignment Points Dialog Box.
- Double click the KMZ file “ALP2.kmz” from the target folder.
- Verify Azimuth & Distance information is present & makes sense.
- Select the “Apply” button.
- A reference line will appear on screen, then Insert Image Box.
- Double click on the Image JPG File “with ALP.jpg”.
- In DCS “Black Space”, select two points on screen to Insert the Image – (bottom left, then upper right).
- Pick center of ALP1 cross-hairs on the Image, then pick the end point of the line - (*cross-hairs to cross-hairs).
- Pick center of ALP2 cross-hairs on the Image, then pick the end point of the line - (*cross-hairs to cross-hairs).
- When the “Swap Image” box appears, double click on the Image JPG File “NO ALP.jpg”.
- Image and reference line should be aligned.

NOTE: *We automatically invoke the next command in the sequence.*