

REFLEX EZ-TRAC[™]

Quick User Guide

SOFTWARE: V6.1

IMDEXHUB-IQ[™] ENABLED



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This guide may reference one or more of the following:

	WARNING: Indicates a potentially lethal hazard. Failure to observe a warning may result in damage to the device or other property, severe personal injury or death.		PPE Gloves		PPE Safety Boots
	Notes provide extra information relative to the current topic.		PPE Ear Muffs		PPE Hat
	Tips offer examples, reminders or other helpful pointers.		PPE Safety Glasses		PPE Dust Mask
	Menu to access Settings and other options on specific app for the supplied tool (top right hand corner).		PPE Hard Hat		PPE Respirator Supplied Air
	Menu to access Settings and other options on specific app for the supplied tool (top right hand corner).				

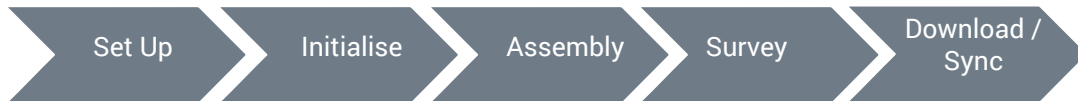


WARNING: Ensure the following PPE is used with this equipment.



The REFLEX EZ-TRAC™ is a high precision magnetic and gravimetric instrument that measures the local geomagnetic field and provides azimuth relative to magnetic north. The REFLEX EZ-TRAC™ performs surveys in all directions including vertical with high accuracy, measuring the total magnetic field in nano Tesla (nT) and immediately indicates the quality of the azimuth.

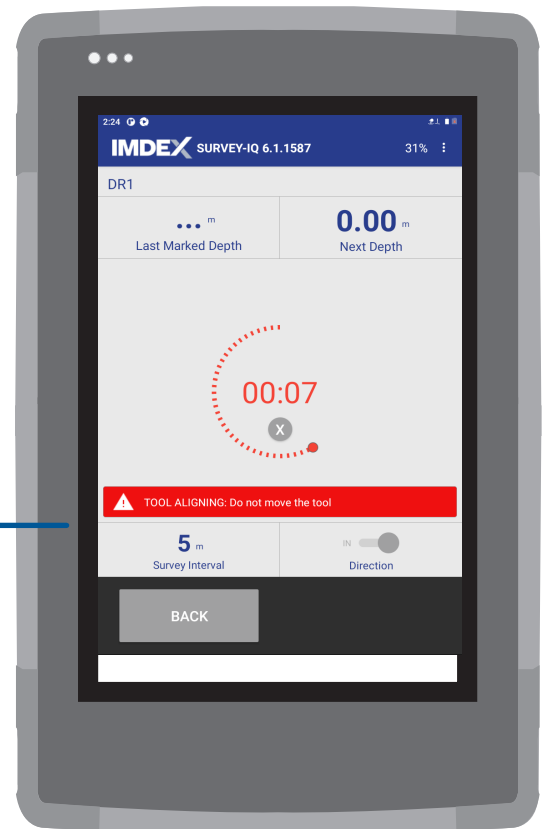
The workflow...



REFLEX EZ-TRAC™
instrument (with supplied
running gear)



IMDEX SURVEY-IQ™
app with supplied
tablet



Taking a
measurement

① Check Wi-Fi is on.



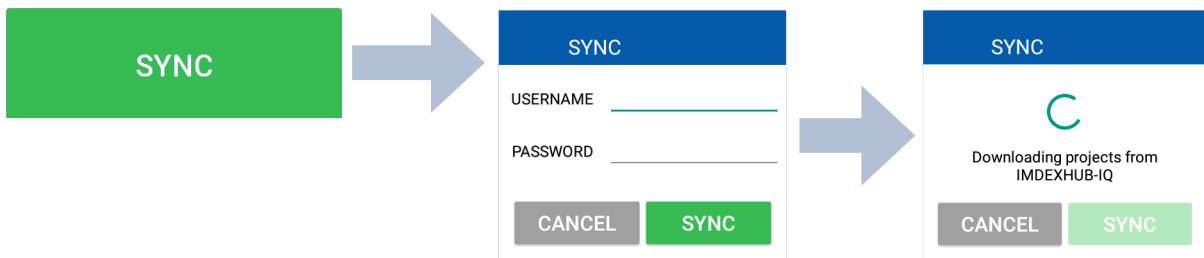
② Tap to launch SURVEY-IQ.



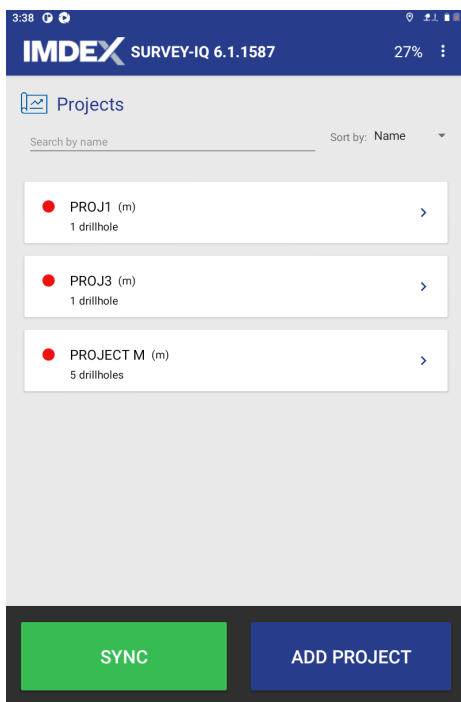
③ Obtain the REFLEX EZ-TRAC from the case.
(No assembly required)



④



⑤ The Projects screen displays.



Project Status:

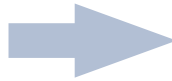
- Synced
- Partial Sync
- Not Synced

💡 No Projects? The Projects screen by default will display the following message:

i Press the SYNC button to download projects from IMDEXHUB-IQ or press the ADD PROJECT button to create a new project.

⑥

ADD PROJECT



ADD PROJECT

NAME _____

UNIT METRES
 FEET

CANCEL SAVE

⑦

ADD DRILLHOLE

or search

Search by name _____ Sort by: Name ▾

Type the first few letters of the Drillhole name

Select Northern or Southern

Automatically sets GPS (optional)

IMDEX SURVEY-IQ 6.1.1587 30%

PROJ3

Drillholes

ADD DRILLHOLE

NAME DD4360

HEMISPHERE SOUTHERN

LATITUDE -31.86

LONGITUDE 115.82

GET LOCATION

CANCEL SAVE

BACK ADD DRILLHOLE

Enter the Drillhole name

Enter coordinates

Active once all fields set up (Next step)

GET LOCATION

LATITUDE _____

LONGITUDE _____

ACCURACY ...

Determining your latitude coordinate

CANCEL

CANCEL SAVE

LATITUDE -31.8628

LONGITUDE 115.8168

ACCURACY 2.3

Determining your latitude coordinate

CANCEL ACCEPT

CANCEL SAVE

ADD DRILLHOLE

NAME DD4360

UNIT METRES

HEMISPHERE SOUTHERN

LATITUDE -31.8628

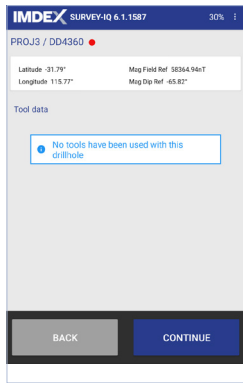
LONGITUDE 115.8168

ACCURACY 500.0

GET LOCATION

CANCEL SAVE

①



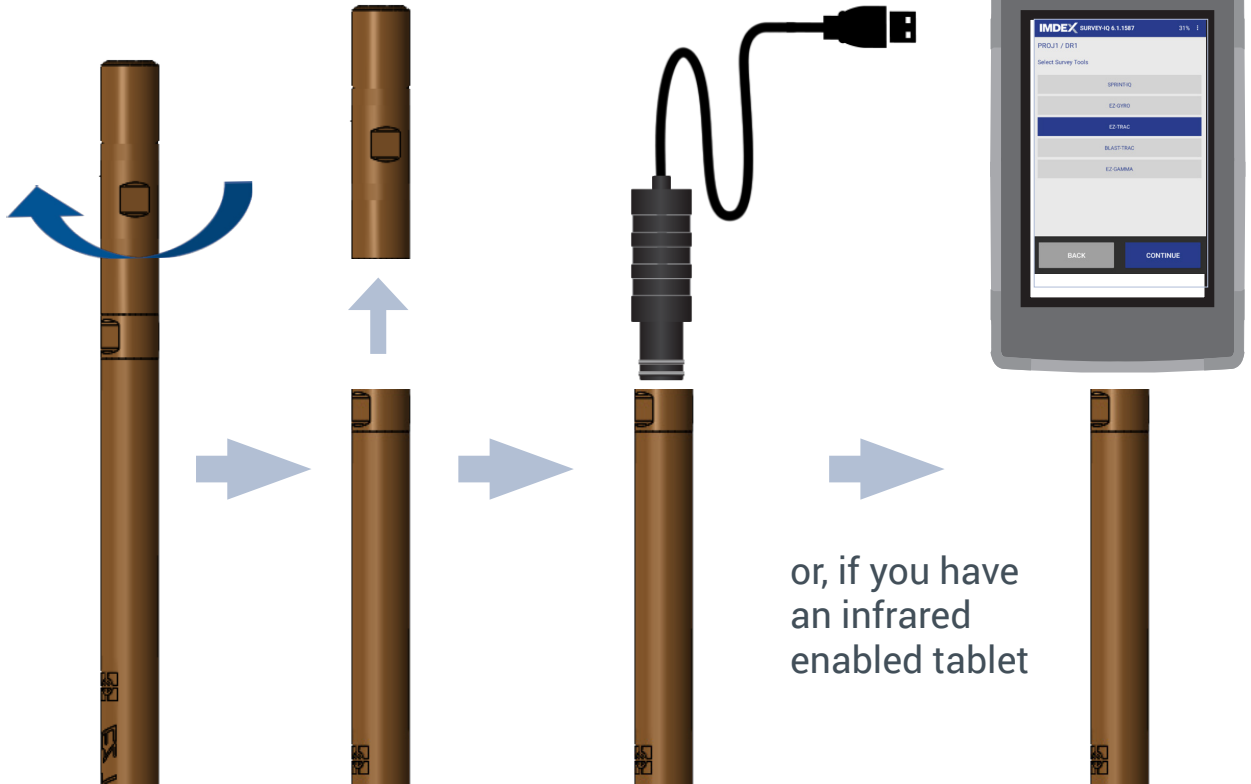
Latitude -31.00° Mag Field Ref 57780.72nT
Longitude 115.00° Mag Dip Ref -65.06°

Set Mag Reference.
See next page.

or

CONTINUE

② Connect as shown.



or, if you have
an infrared
enabled tablet



CONTINUE

③

IMDEX SURVEY-IQ 6.1.1587 31%

PROJ1 / DR1

DEPTH INTERVAL 5 m

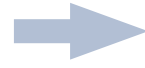
ENCODER WHEEL DIAMETER 125 mm

OPERATOR ID PG

RIG NAME 22

Make sure IR is aligned before pressing START SURVEY.

BACK START SURVEY



START SURVEY

SET MAG REFERENCE

①

Latitude -31.00° Mag Field Ref 57780.72nT
 Longitude 115.00° Mag Dip Ref -65.06°



②

GENERAL	MAG REF	COORDINATES
DRILLHOLE DD4360	SOURCE Auto	COLLAR NORTHING
HEMISPHERE SOUTHERN	MAGNETIC FIELD TOTAL Auto - WMM - 58364.94	COLLAR EASTING
LATITUDE -31.7928	MAGNETIC DIP Auto - WMM - -65.82	COLLAR ELEVATION
LONGITUDE 115.7692		TARGET X
GET LOCATION		TARGET Y
		TARGET Z
CANCEL SAVE	CANCEL SAVE	CANCEL SAVE



③

SAVE

④

Return to page 4, Step 1.

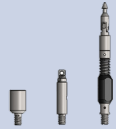
3 x



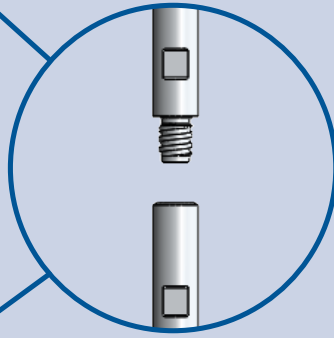
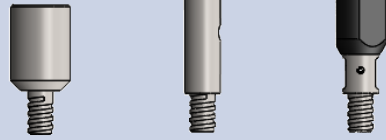
① Assemble extensions



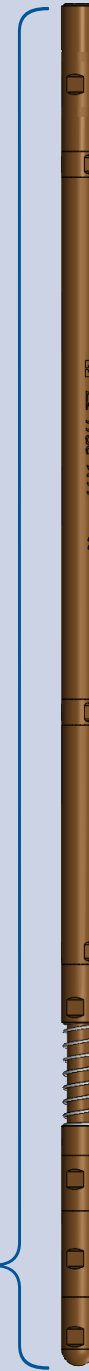
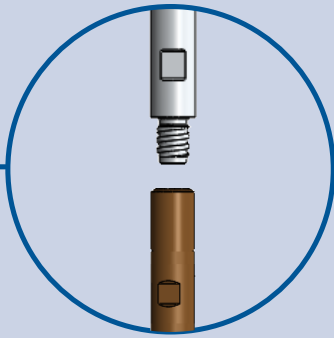
3 x



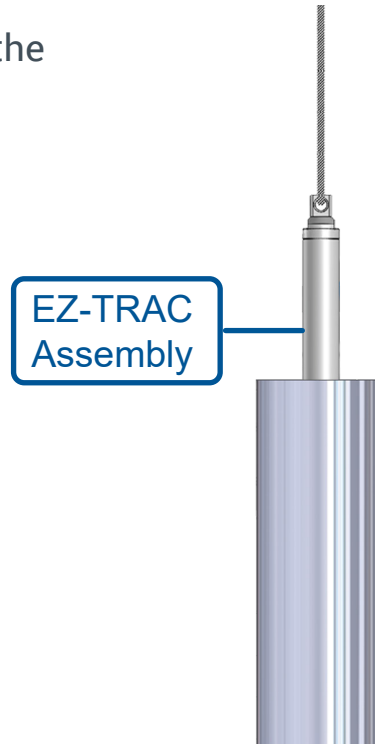
② Select connection type and attach



③ Connect to extensions



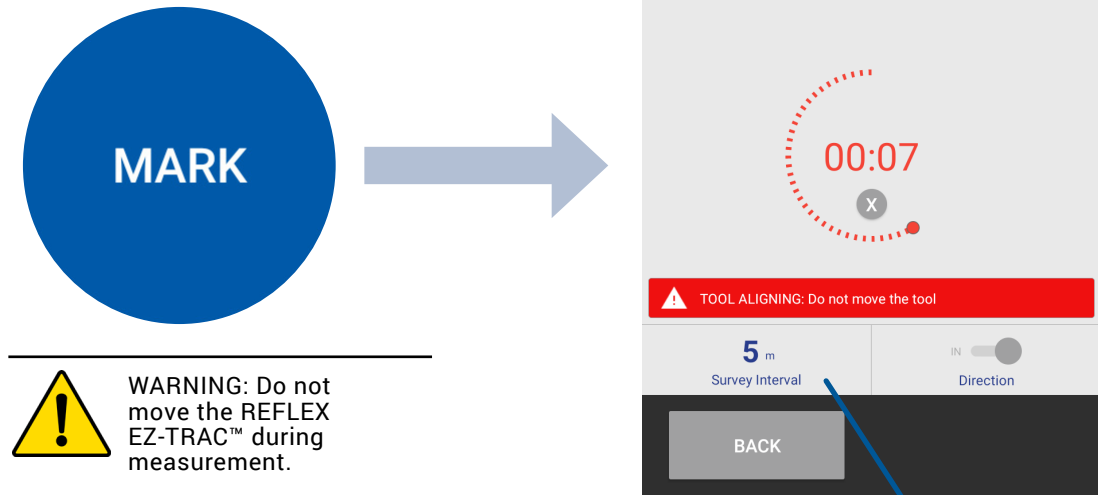
- ① Place the tool into position at the desired depth



- ② Tap Current Depth in the app to set the depth



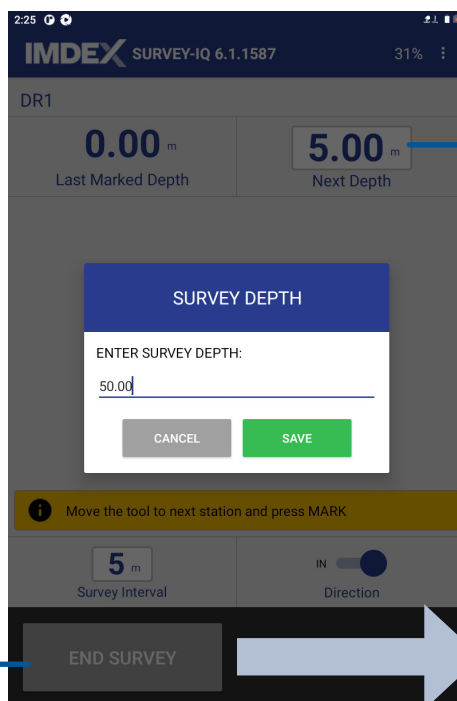
③ Tap Mark to take a measurement



MARK

WARNING: Do not move the REFLEX EZ-TRAC™ during measurement.

④ Move the REFLEX EZ-TRAC™ to the next position according to Survey Interval, or change:



STOP SURVEY

SELECT A STOP SURVEY OPTION:

- CANCEL - Return to measure screen
- NEXT - Continue survey on a new drillhole
- STOP - End survey and download data

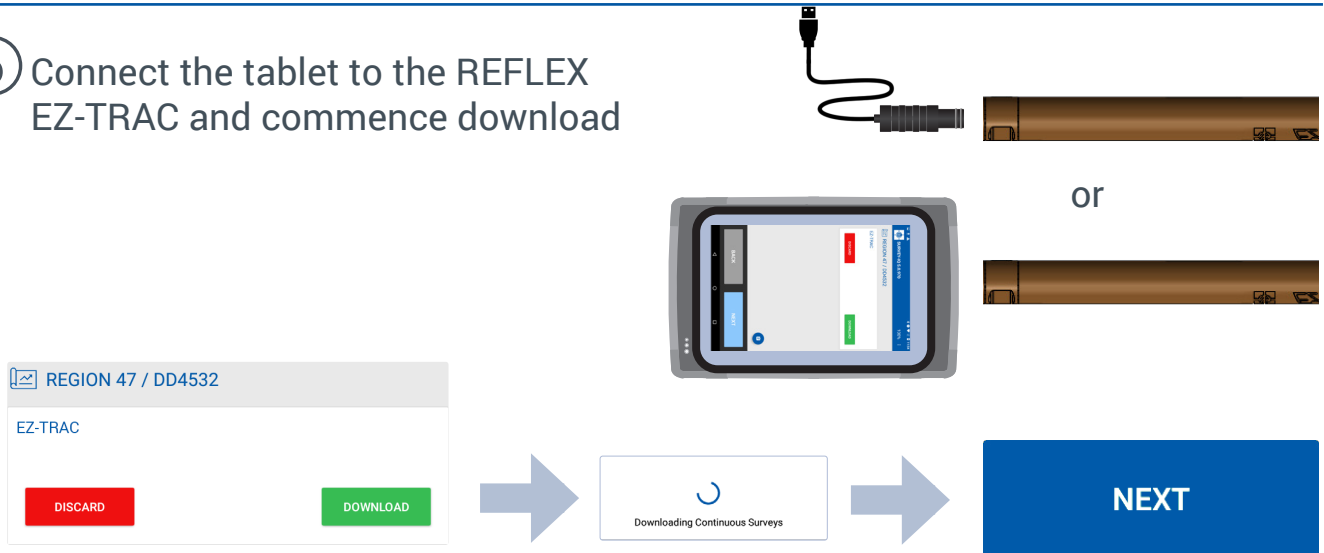
CANCEL NEXT STOP

To change, tap Survey Interval or Current Depth to change value and SAVE

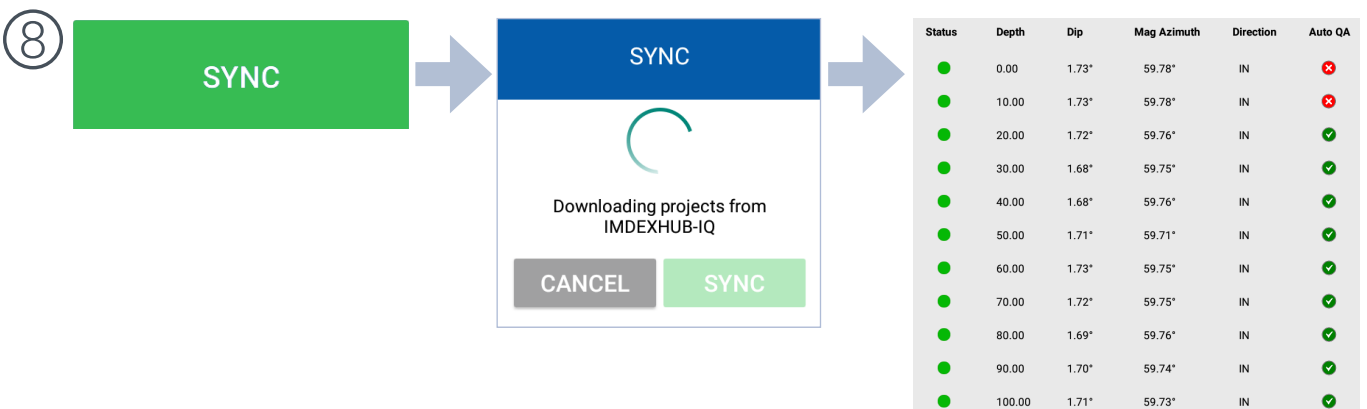
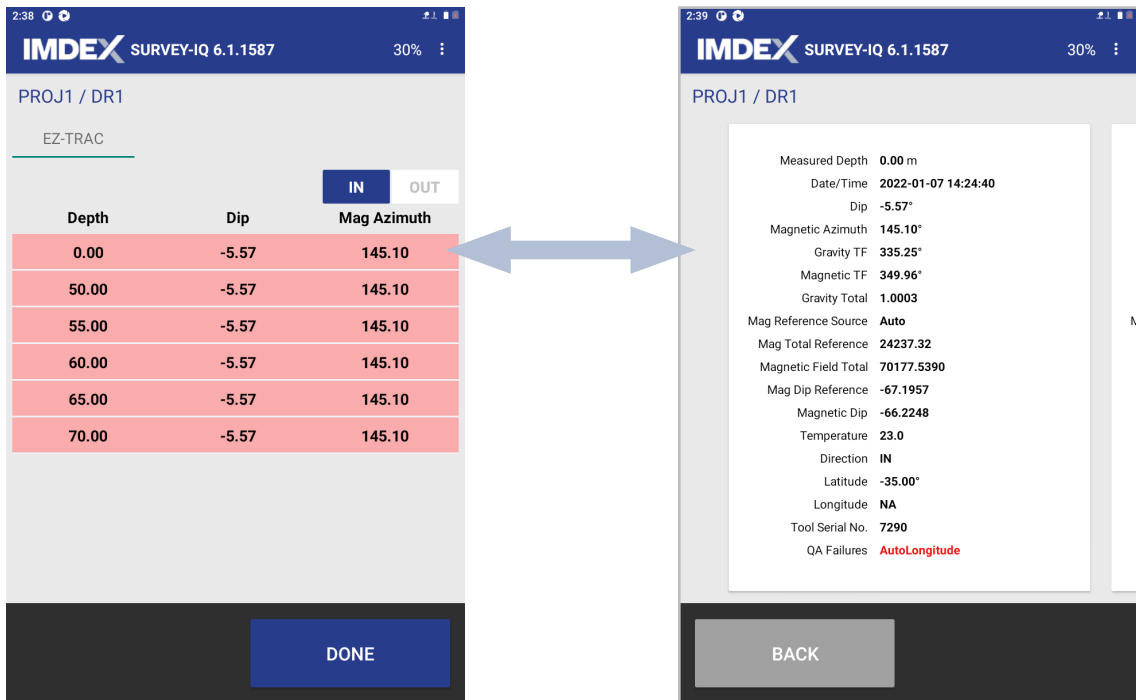
⑤ Select to end survey

From STOP SURVEY popup, select CANCEL to enter a new depth and survey. Repeat steps 1-4 until all measurements are taken. When finished and ready to download, select STOP.


⑥ Connect the tablet to the REFLEX EZ-TRAC and commence download



⑦ Surveys are listed. Click on a row to view details.



9 **CALCULATE SURVEY** to consolidate duplicate shots.

 The SURVEY-IQ app combines duplicate shots and calculates an average. In the instance of one of the shots resulting in a QA fail, this shot is discarded. If both shots have a QA fail, the shots are discarded.

PROJECT M / EZ-TRAC ON 9

EZ-TRAC

Depth	Dip	Mag Azimuth	
		IN	OUT
3.81	-4.83	281.19	
6.06	-4.84	281.16	
10.00	-5.57	145.10	
11.07	-4.82	281.18	
15.00	-5.57	145.10	
20.00	-5.57	145.10	
20.00	-5.57	145.10	
25.00	-5.57	145.10	
25.00	-5.57	145.10	
30.00	-5.57	145.10	

Buttons: BACK, CALCULATE SURVEY


Callouts: Duplicate shots (pointing to rows 20.00 and 25.00)

The consolidated list of shots displays.

SURVEY-IQ 84%

Collar Easting	Collar Northing	Collar Elevation	Unit				
N/A	N/A	N/A	Metre				
Depth	Dip	Azimuth	East	North	Elev	DLS	Merged
0.00	1.73°	59.78°	0.00	0.00	0.00	0.00	NO
10.00	1.73°	59.78°	8.64	5.03	0.30	0.01	YES
20.00	1.72°	59.76°	17.27	10.06	0.60	0.06	NO
30.00	1.68°	59.75°	25.91	15.10	0.90	0.13	NO
40.00	1.68°	59.76°	34.54	20.13	1.19	0.02	NO
50.00	1.71°	59.71°	43.18	25.17	1.49	0.17	NO
60.00	1.73°	59.75°	51.81	30.21	1.79	0.12	YES
70.00	1.72°	59.75°	60.44	35.24	2.09	0.04	NO
80.00	1.69°	59.76°	69.08	40.28	2.39	0.09	NO
90.00	1.70°	59.74°	77.71	45.31	2.68	0.07	NO
100.00	1.71°	59.73°	86.35	50.35	2.98	0.03	NO

Buttons: BACK

 Fail readings are not listed.

1



Export Drillholes
-OR-
Export Shots



USB is present, make sure you select it when choosing the location

CANCEL

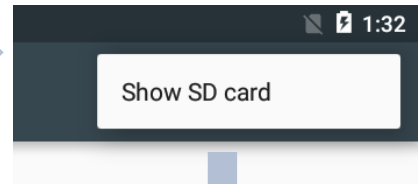
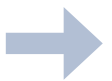
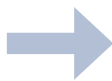
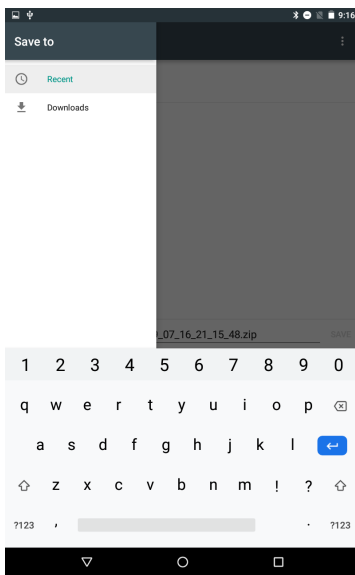


WARNING: The screen below will not display if the USB stick is not connected successfully.



Connection is established if this symbol is at the top of the screen.

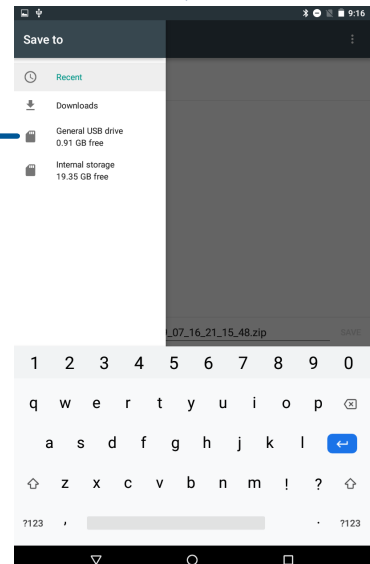
2



Hide the keyboard to reveal icons, with



USB Drive



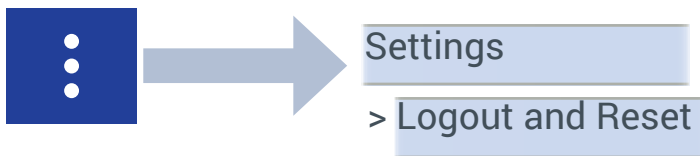
3



WARNING: If you are using this tool and application for multiple clients, to keep data secure you must ensure that data is synced first and you have logged off the client's account before operating on behalf of a different client.

DO NOT log out until you have successfully synced/exported.

4





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