The RTK-Pro's walk back feature will lead the user to previously collected GNSS coordinates.
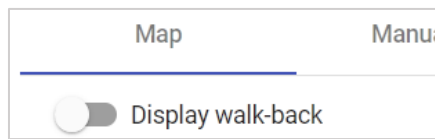
To use the walk back feature;
1. Update the RTK-Pro's software by using the MyLocator3 desktop app.
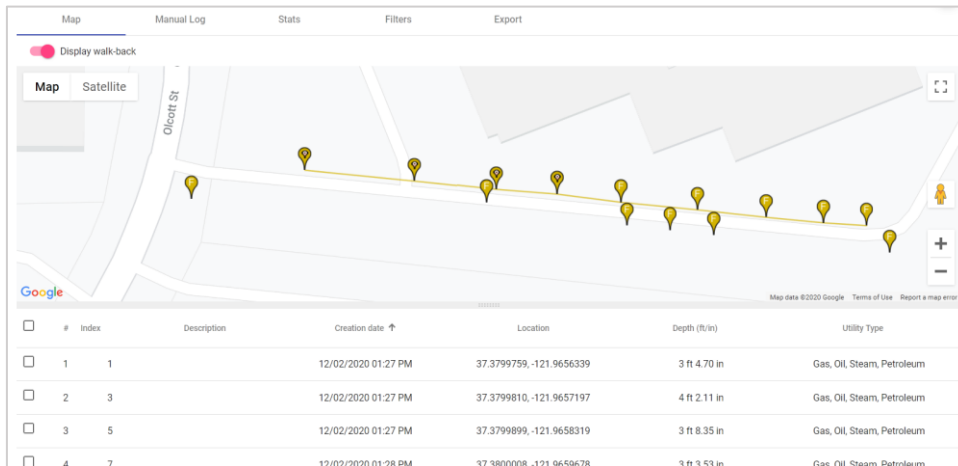2. Create an account in the VMMap Web Portal at https://vmmap.vivax-metrotech.com/login.

VMMap Web Portal

Add a Walk Back Point - Add the list of desired points into the VMMap web portal. These desired points will come from surveys already stored in the VMMap cloud and collected with an RTK-Pro receiver.

1. The survey list opens a survey containing the desired point that would need to walk back to.

2. Once the survey is open start from the "Map" tab.

3. On the top left an option with a slider labeled "Display Walk Back" select this to toggle to view the map's points.

4. The list of points collected in the survey job are displayed on a map similar to the below.
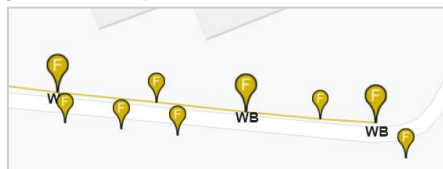

#	Index	Description	Creation date ↑	Location	Depth (ft/in)	Utility Type
1	1		12/02/2020 01:27 PM	37.3799759, -121.9656339	3 ft 4.70 in	Gas, Oil, Steam, Petroleum
2	3		12/02/2020 01:27 PM	37.3799810, -121.9657197	4 ft 2.11 in	Gas, Oil, Steam, Petroleum
3	5		12/02/2020 01:27 PM	37.3799899, -121.9658319	3 ft 8.35 in	Gas, Oil, Steam, Petroleum
4	7		12/02/2020 01:28 PM	37.3800008, -121.9659678	3 ft 3.53 in	Gas, Oil, Steam, Petroleum

5. Note the check box next to the number of points contained in the survey. Identify the point to be added to the walk back list and click on the check box.

NOTE

#	Index	Description	Creation date ↑	Location	Depth (ft/in)	Utility Type
1	1	WB-1	12/02/2020 01:27 PM	37.3799759, -121.9656339	3 ft 4.70 in	Gas, Oil, Steam, Petroleum
2	3		12/02/2020 01:27 PM	37.3799810, -121.9657197	4 ft 2.11 in	Gas, Oil, Steam, Petroleum
3	5		12/02/2020 01:27 PM	37.3799899, -121.9658319	3 ft 8.35 in	Gas, Oil, Steam, Petroleum

6. The selected walk back points will show "WB" beside them. Please note as points are selected the pin animation to assist in identifying the currently selected pin.

7. Once the desired points are selected an automatic description is assigned. These descriptions can be edited if so desired.

	#	Index	Description	Creation date ↑	Location	Depth (ft/in)	Utility Type
☑	1	1	Transmitter connection	12/02/2020 01:27 PM	37.3799759, -121.9656339	3 ft 4.70 in	Gas, Oil, Steam, Petroleum
☐	2	3		12/02/2020 01:27 PM	37.3799810, -121.9657197	4 ft 2.11 in	Gas, Oil, Steam, Petroleum
☑	3	5	POI near meter	12/02/2020 01:27 PM	37.3799899, -121.9658319	3 ft 8.35 in	Gas, Oil, Steam, Petroleum
☐	4	7		12/02/2020 01:28 PM	37.3800008, -121.9659678	3 ft 3.53 in	Gas, Oil, Steam, Petroleum
☑	5	9	POI near valve	12/02/2020 01:28 PM	37.3800138, -121.9661177	2 ft 8.85 in	Gas, Oil, Steam, Petroleum

8. When all the needed points are selected click on the "Add" option on the bottom left.

	#	Index	Description	Creation date ↑	Location	Depth (ft/in)	Utility Type
☑	1	1	Transmitter connection	12/02/2020 01:27 PM	37.3799759, -121.9656339	3 ft 4.70 in	Gas, Oil, Steam, Petroleum
☐	2	3		12/02/2020 01:27 PM	37.3799810, -121.9657197	4 ft 2.11 in	Gas, Oil, Steam, Petroleum
☑	3	5	POI near meter	12/02/2020 01:27 PM	37.3799899, -121.9658319	3 ft 8.35 in	Gas, Oil, Steam, Petroleum
☐	4	7		12/02/2020 01:28 PM	37.3800008, -121.9659678	3 ft 3.53 in	Gas, Oil, Steam, Petroleum
Add selected points to walk-back		9	POI near valve	12/02/2020 01:28 PM	37.3800138, -121.9661177	2 ft 8.85 in	Gas, Oil, Steam, Petroleum

Add   Items per page: 5   1 - 5 of 9   < >

9. A pop-up window will appear with the option of a drop-down with available RTK-Pro serial numbers. Select one or more serial numbers of receivers who would need the Walk Back points assigned. Click on the "Save" button.

Add to walk-back

Locators ▼

Cancel   Save

Add to walk-back

- ☐ 30701120493 - John Doe
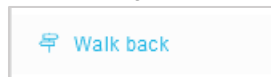- ☑ 22601888888 - L201
- ☑ 22601160126 - Luke demo RTK
- ☐ 20701120517 - Luke Smith
- ☑ 22601150026 - Matt Manning
- ☐ 20701131557 - R.Nicol

10. To edit and viewpoints added to the Walk Back list go to the Walk Back tab.

📌 Walk back

11. Here an overview of the Walk Back points assigned to users within the company will be displayed with open or completed status.

Delete   ⬜ Show completed points   ⟳

Filter by any column

#		Serial Number	Survey	Description	Latitude	Longitude	Pitch	Roll	User	Created on ↓	Completed on
1	☐	20170601001	2020-10-29-1603951842005	WB-1	50.9589272	-3.8747604			Will Moore	11/27/2020 03:38 AM (GMT-0800)	
2	☐	22601160010	2020-11-19-1605822798008	Near Street	37.3800264	-121.9662391			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
3	☐	22601160010	2020-11-19-1605822798008	Near Building	37.3800152	-121.9661419			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
4	☐	22601160010	2020-11-19-1605822798008	WB-1	37.3800091	-121.9660545			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
5	☐	22601150026	2020-11-19-1605822798008	Near Street	37.3800264	-121.9662391			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
6	☐	22601150026	2020-11-19-1605822798008	Near Building	37.3800152	-121.9661419			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
7	☐	22601150026	2020-11-19-1605822798008	WB-1	37.3800091	-121.9660545			Josue Pineda	11/20/2020 08:32 AM (GMT-0800)	
8	☐	22601160010	2020-11-19-1605822798008	Near Building	37.3800152	-121.9661419			Josue Pineda	11/20/2020 07:22 AM (GMT-0800)	
9	☐	22601160010	2020-11-18-1605737532266	P2	37.3802574	-121.9652643			Josue Pineda	11/19/2020 01:39 PM (GMT-0800)	
10	☐	201811270001	2020-11-05-1604592887286	point 17	37.3801402	-121.9655257			Răzvan Ştefănoiu	11/11/2020 09:06 AM (GMT-0800)	
11	☐	20701120961	2020-11-05-1604592887286	point 7	37.3799947	-121.9658650			Răzvan Ştefănoiu	11/11/2020 08:49 AM (GMT-0800)	
12	☐	20190422002	2020-11-05-1604592887286	point 1	37.3800179	-121.9661612			Răzvan Ştefănoiu	11/11/2020 08:44 AM (GMT-0800)	
13	☐	20190422002	2020-11-05-1604592887286	point 5	37.3800027	-121.9659675			Răzvan Ştefănoiu	11/11/2020 08:44 AM (GMT-0800)

12. To view completed Walk Back points toggle the "Show completed points" option.

Performing an RTK-Pro Walk Back

Now that the Walk Back points have been selected, in the VMMap cloud use the RTK-Pro receiver containing the assigned receiver serial number and Walk Back points.

1. In the RTK-Pro menu navigate to scroll to "Walk Back" and enter the sub-menu option.

2. At the "Get list" option and press the enter pushbutton to bring up the list of Walk Back points allocated to this receivers serial number from the VMMap Cloud.

3. Once the Walk Back points have been downloaded from the VMMap Cloud, they are displayed in a list by the Walk Back point description.

    Scroll to the point needed to Walk Back to and click on the enter pushbutton.

4. Once the Walk Back point is selected a screen similar to the one shown on the right will be seen.

On this screen the following is displayed:

•   Shows your current Latitude, Longitude and Altitude and horizontal accuracy in 2DRMS

•   Shows the horizontal distance from the locator GNSS antenna to the Walk Back point in the bottom right corner of the screen

•   When further from the Walk Back point and moving a guidance arrow points towards the Walk Back point

Note:
•   The Guidance arrow assumes you are walking with the locator in front of you with the bottom of the screen closest to your body in the usual way
•   When stationary, no guidance arrow is shown

1. Follow the guidance arrow to get near the Walk Back point. Once within 10-feet (3m) a crosshair icon will be displayed. A spirit level is shown. The center of the spirit level represents the location of the GNSS antenna. You must maintain the orientation of the locator and move forwards and backward, left and right, and not rotate the locator.

2. As you walk toward the Walk Back point, you aim to get the red cross in the center of the spirit level. Now the GNSS antenna is over the Walk Back point.

3. As you tilt the locator to get the GNSS antenna over the locator's foot, you aim to get the spirit level bubble into the center of the spirit level. When you have the locator's foot on the ground and the Walk Back point the red cross and the spirit level bubble will be in the center of the spirit level as shown.

4. Use the **+** key to log the Walk Back as complete. This records how accurately the Walk Back was performed and marks the Walk Back as complete in the VMMap Cloud.

#	Serial Number	Survey	Description	Latitude	Longitude	Pitch	Roll	User	Created on ↓	Completed on
9	22601160010	*2020-11-18-1605737532264P3		37.3807233 37.3807231	-121.9652650 -121.9652655	0.3545702	0.0046726	Josue Pineda	11/19/2020 01:39 PM (GMT-0800)	11/19/2020 01:47 PM (GMT-0800)
10	22601160010	*2020-11-18-1605737532264P2		37.3802574	-121.9652643			Josue Pineda	11/19/2020 01:39 PM (GMT-0800)	
11	22601160010	Olcott monuments	Monument 2	37.3807265 37.3807265	-121.9652843 -121.9652842	0.3641711	-0.0089948	Josue Pineda	11/18/2020 12:30 PM (GMT-0800)	11/18/2020 02:12 PM (GMT-0800)
12	22601160010	Olcott monuments	Monument 3	37.3802604 37.3802606	-121.9652825 -121.9652824	0.3451048	0.0003343	Josue Pineda	11/18/2020 12:30 PM (GMT-0800)	11/18/2020 02:13 PM (GMT-0800)

*Please note some screens and images have been simulated and do not represent the final product.