



Winlink Messages with mapping information

KB7RHI



The Winlink program embeds location information in all your messages

- ★ If **Two** Winlink stations are unsure of where the other station is...a message can be sent with a **return request**, when the message is sent back, both stations **will see the other station's location** as a part of their received message...(this is one method)
- ★ If you know your exact location, but are unsure of a field station's location...have them send you a simple message and you can get their location information **embedded in the message**

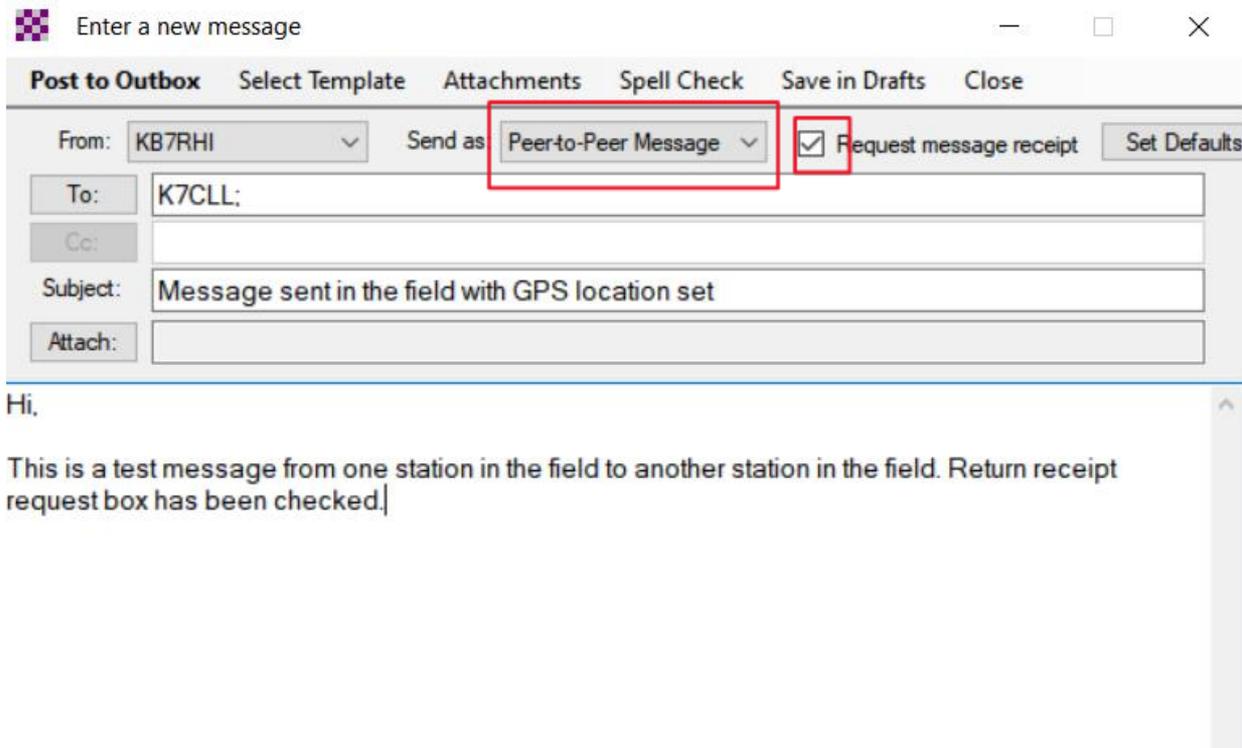


Two major benefits of have a return receipt request in your messages

- ★ 1) You can know that a message sent out, did make it to the recipient ok
- ★ 2) By sending a message with the return receipt, both you and the other station can each have the others location information



Message from **KB7RHI** to **K7CLL** with **GPS dongle** in use, select the **“Request message receipt”** box when making out your message



Enter a new message

Post to Outbox Select Template Attachments Spell Check Save in Drafts Close

From: KB7RHI Send as Peerto-Peer Message Request message receipt Set Defaults

To: K7CLL;

Cc:

Subject: Message sent in the field with GPS location set

Attach:

Hi,

This is a test message from one station in the field to another station in the field. Return receipt request box has been checked.]



Post the message to the Outbox, in the Outbox...note the selected message Location says (GPS), Recipient says K7CLL (P2P)

Winlink Express 1.7.23.1 - KB7RHI

KB7RHI Add Callsign Settings Message Attachments Move To: Saved Items Delete Open Session: Vara FM P2P Logs Help

No active session.

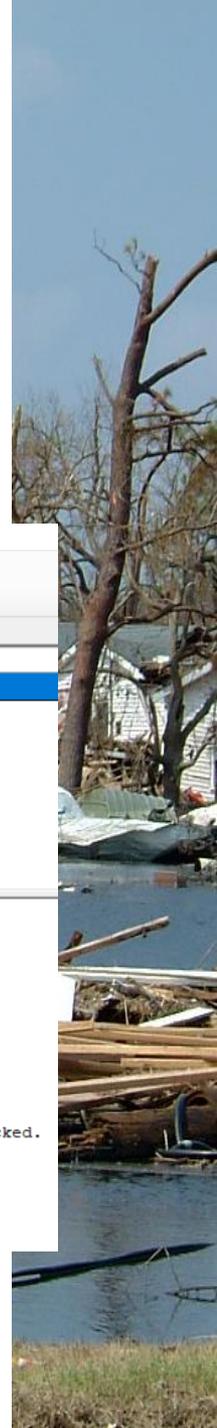
System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (1 unread)	2025/05/21 16:38	OB87KHG5S0FW	351	KB7RHI	KB7RHI	K7CLL (P2P)	Message sent in the field with GPS location set
Read Items (0)							
Outbox (1)							
Sent Items (387)							
Saved Items (0)							
Deleted Items (28)							
Drafts (0)							
Personal Folders							
Global Folders							
SEAPAC2025 (0)							
Contacts							

Message ID: OB87KHG5S0FW
Date: 2025/05/21 16:38 (UTC)
From: KB7RHI
To: K7CLL
Source: KB7RHI
P2P: True
Location: 45.781343N, 122.520595W (GPS)
Subject: Message sent in the field with GPS location set

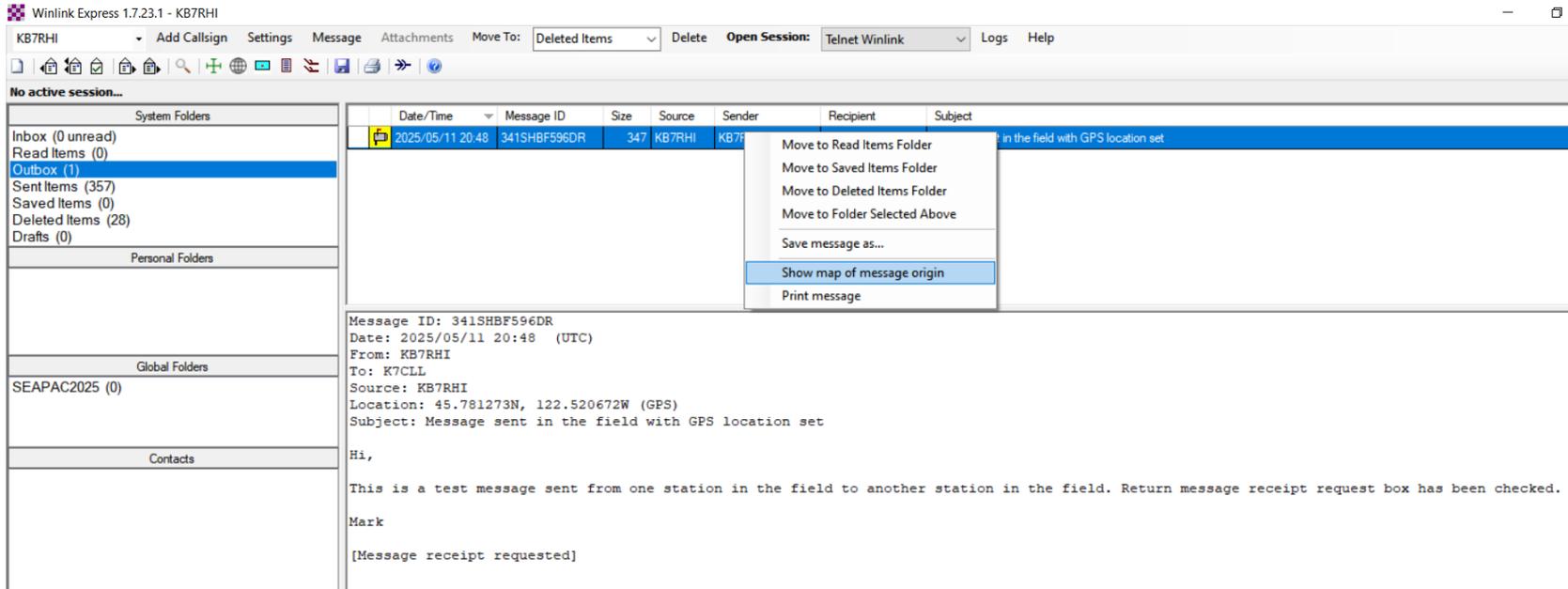
Hi,

This is a test message from one station in the field to another station in the field. Return receipt request box has been checked.

[Message receipt requested]



Just right click on your message and select “Show map of message origin”



The screenshot shows the Winlink Express 1.7.23.1 interface. The top menu bar includes 'KB7RHI', 'Add Callsign', 'Settings', 'Message', 'Attachments', 'Move To: Deleted Items', 'Delete', 'Open Session: Telnet Winlink', 'Logs', and 'Help'. Below the menu bar is a toolbar with various icons. The main window displays a message list with columns for Date/Time, Message ID, Size, Source, Sender, Recipient, and Subject. A message with ID 341SHBF596DR is selected, and a context menu is open over it, showing options like 'Move to Read Items Folder', 'Show map of message origin', and 'Print message'. The 'Show map of message origin' option is highlighted. Below the message list, the message details are displayed, including the message ID, date, time, and location (45.781273N, 122.520672W (GPS)). The message body contains the text: 'Hi, This is a test message sent from one station in the field to another station in the field. Return message receipt request box has been checked. Mark [Message receipt requested]'. On the right side of the image, there is a vertical strip showing a photograph of a damaged area with debris and a body of water.

Winlink Express 1.7.23.1 - KB7RHI

KB7RHI Add Callsign Settings Message Attachments Move To: Deleted Items Delete Open Session: Telnet Winlink Logs Help

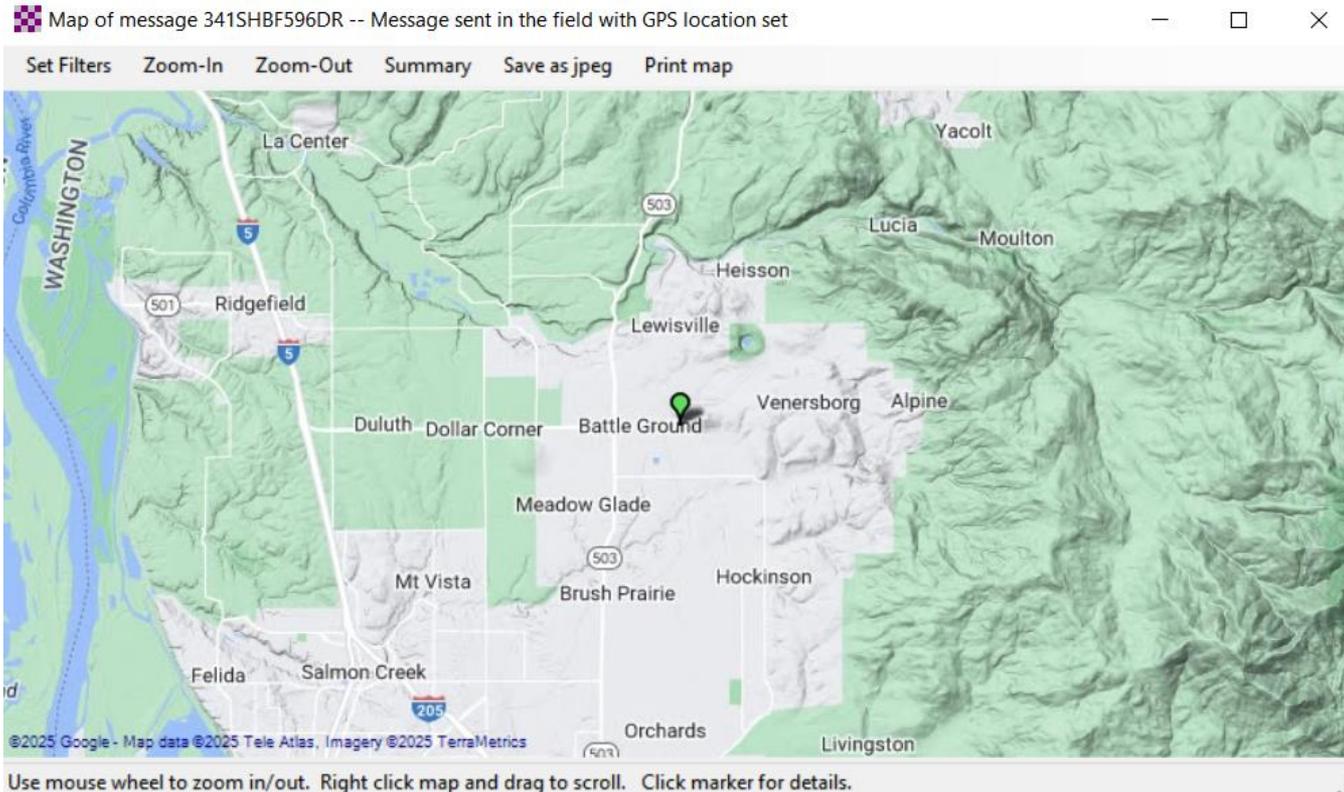
No active session...

	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
	2025/05/11 20:48	341SHBF596DR	347	KB7RHI	KB7RHI		in the field with GPS location set

Message ID: 341SHBF596DR
Date: 2025/05/11 20:48 (UTC)
From: KB7RHI
To: K7CLL
Source: KB7RHI
Location: 45.781273N, 122.520672W (GPS)
Subject: Message sent in the field with GPS location set

Hi,
This is a test message sent from one station in the field to another station in the field. Return message receipt request box has been checked.
Mark
[Message receipt requested]

**Here is the map location
others can see...did not zoom-
in with this view...you are the
Green bubble**



When the Winlink field station has received and selected your message (in their Inbox), they will see this pop up

The screenshot shows the Winlink Express 1.7.23.1 interface. The title bar indicates the session is for K7CLL. The main window displays an email inbox with the following data:

Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
2025/05/11 20:48	341SHBF596DR	347	KB7RHI	KB7RHI	K7CLL	Message sent in the field with GPS location set
2025/05/11 15:40	37ZSVHQGLN7H	247	KB7RHI	KB7RHI	K7CLL	Test message without using a GPS dongle
2025/05/10 03:05	SOTJ71HLBEBY	237	KB7RHI	KB7RHI	K7CLL	Test message with a GPS dongle attached
2025/05/08 14:09	ZW3PTFJSHJUJ	180	KB7RHI	KB7RHI	K7CLL	test
2025/04/01 23:14	G16VH8KS0VIG	101083	KB7RHI	KB7RHI	K7CLL	test send
2025/04/01 22:33	4HXNIMJU7AMS	46218	KB7RHI	KB7RHI	K7CLL	test

The selected message (Message ID: 341SHBF596DR) is displayed in the main pane. A dialog box titled "Receipt acknowledgement requested" is overlaid on the message content. The dialog contains the following text:

Sender requested acknowledgement that message has been received.
Would you like to post an acknowledgement now?

The dialog has "OK" and "Cancel" buttons. The message content in the background includes:

Message ID: 341SHBF596DR
Date: 2025/05/11 20:48 (UTC)
From: KB7RHI
To: K7CLL
Source: KB7RHI
Downloaded-from: Telnet:cms.winlink.org
Location: 45.781273N, -122.52067W
Subject: Message sent in the field.
Hi,
This is a test message sent from the field. Return message receipt request box has been checked.
Mark
[Message receipt requested]



Acknowledgement info

- ★ When you say Ok to a pop up return receipt request, the Winlink program **automatically populates your Outbox** with the return receipt message information...you do not have to do a “Post to Outbox” step

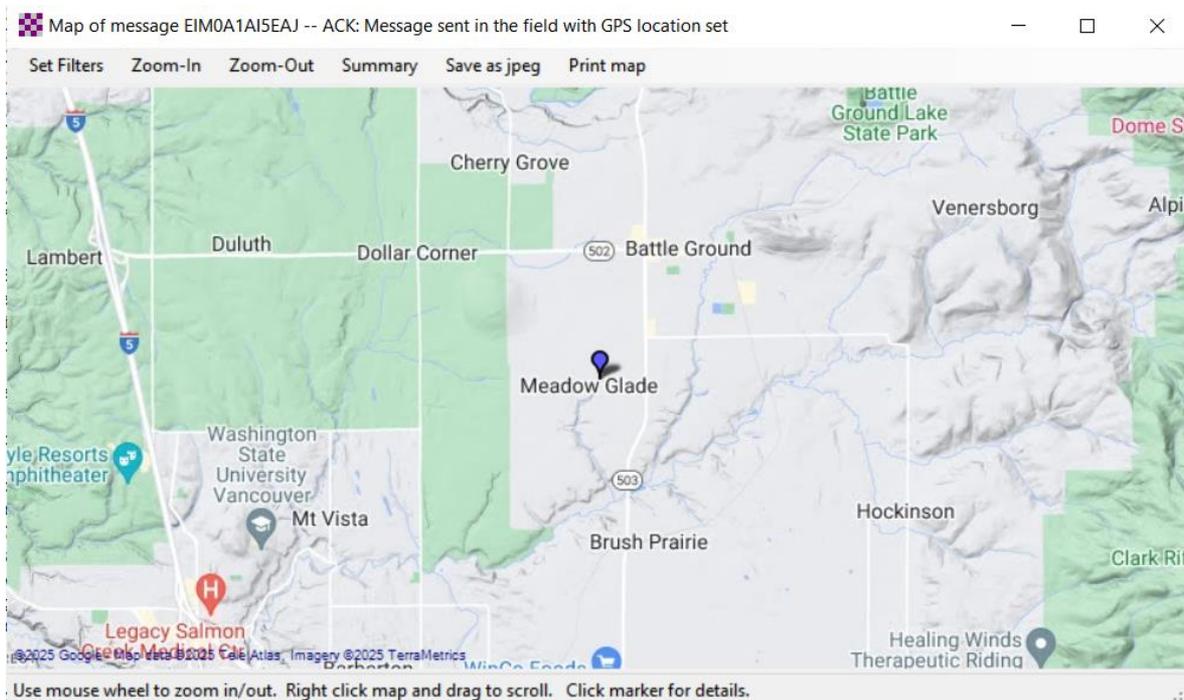


Acknowledgement request pop up

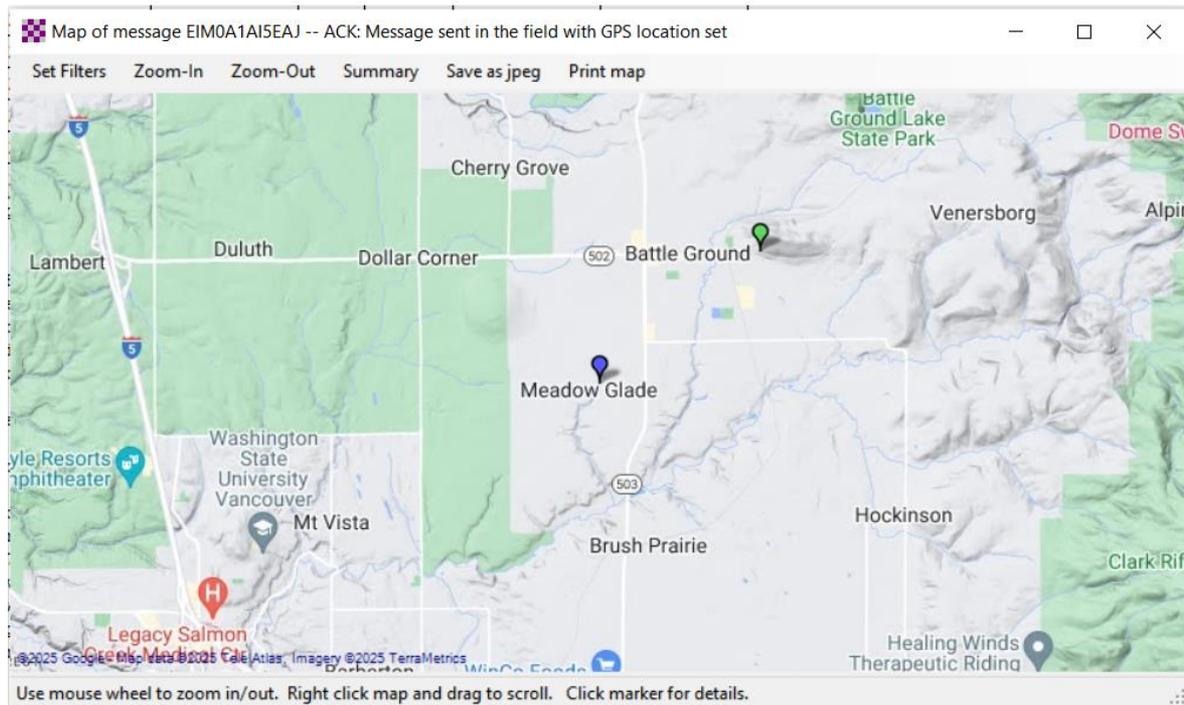
- ★ It is **HIGHLY** recommended you say **YES** to return receipt pop up requests!



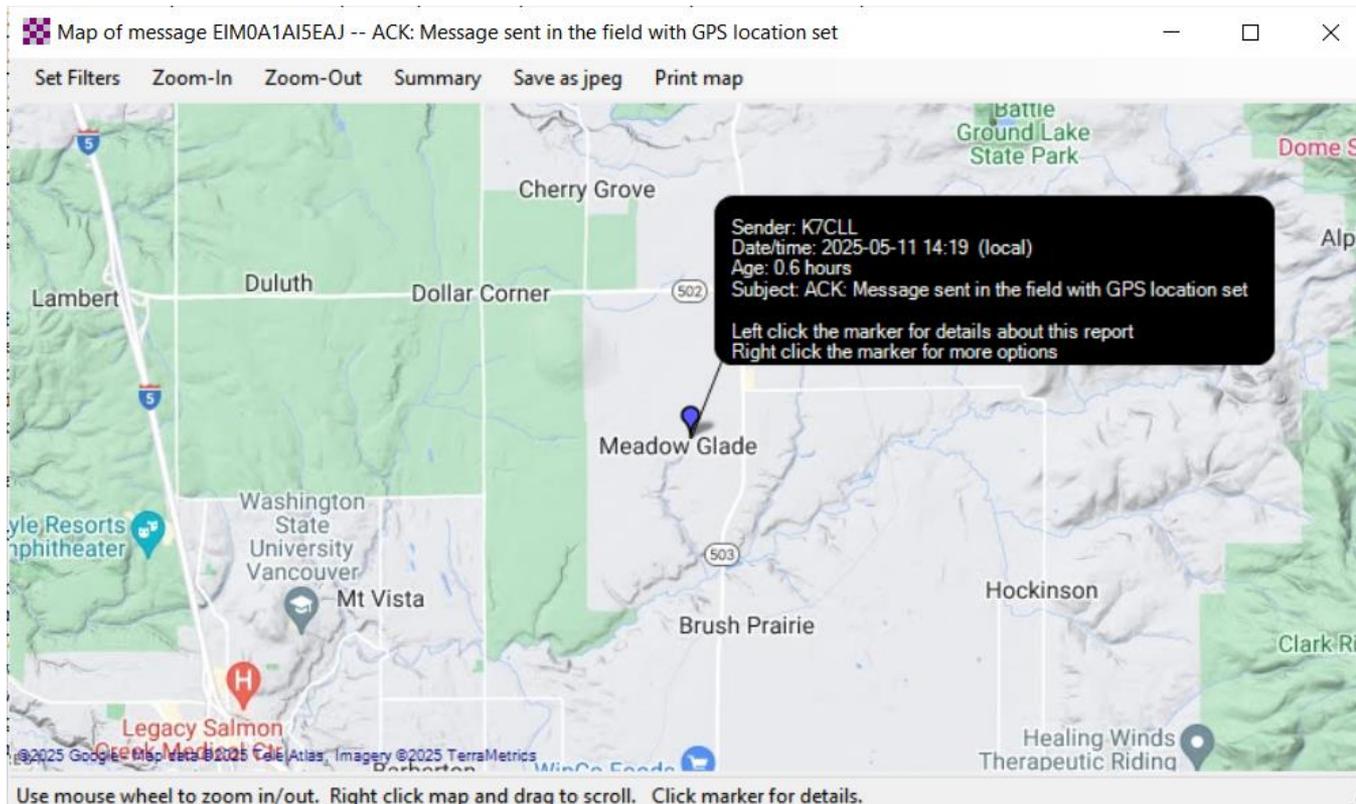
**K7CLL Winlink station
automatically posted the reply
message in the Outbox addressed
back to KB7RHI, K7CLL right
clicked on the message and
selected “Show map of message
origin” view**



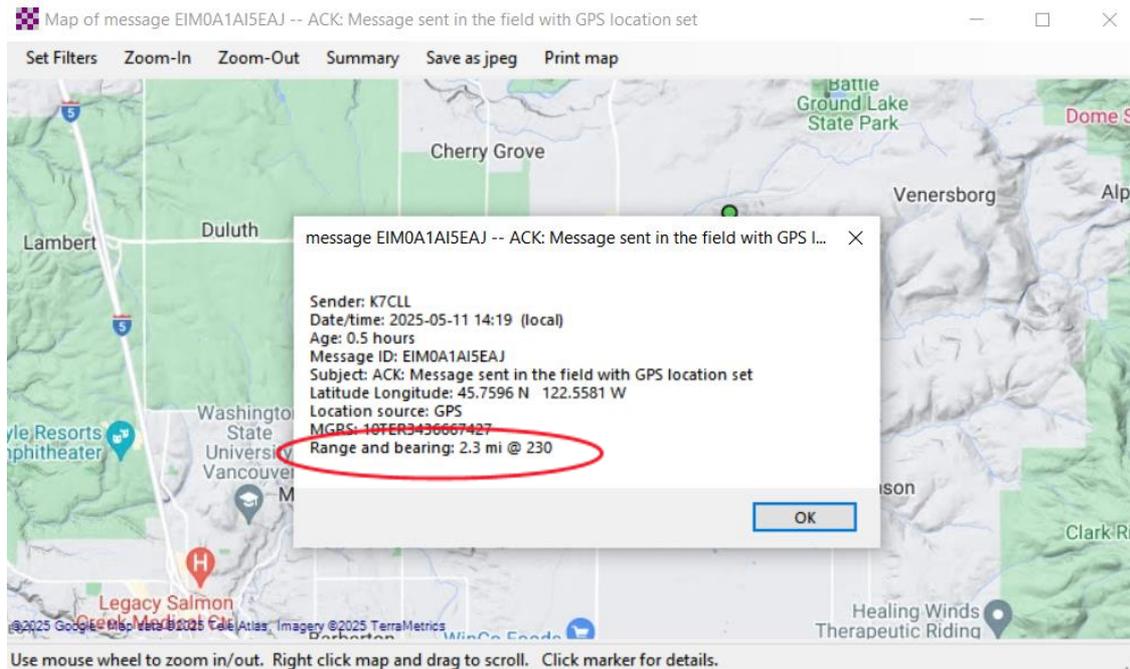
KB7RHI's Inbox now has received the return receipt message, and right clicked to see map



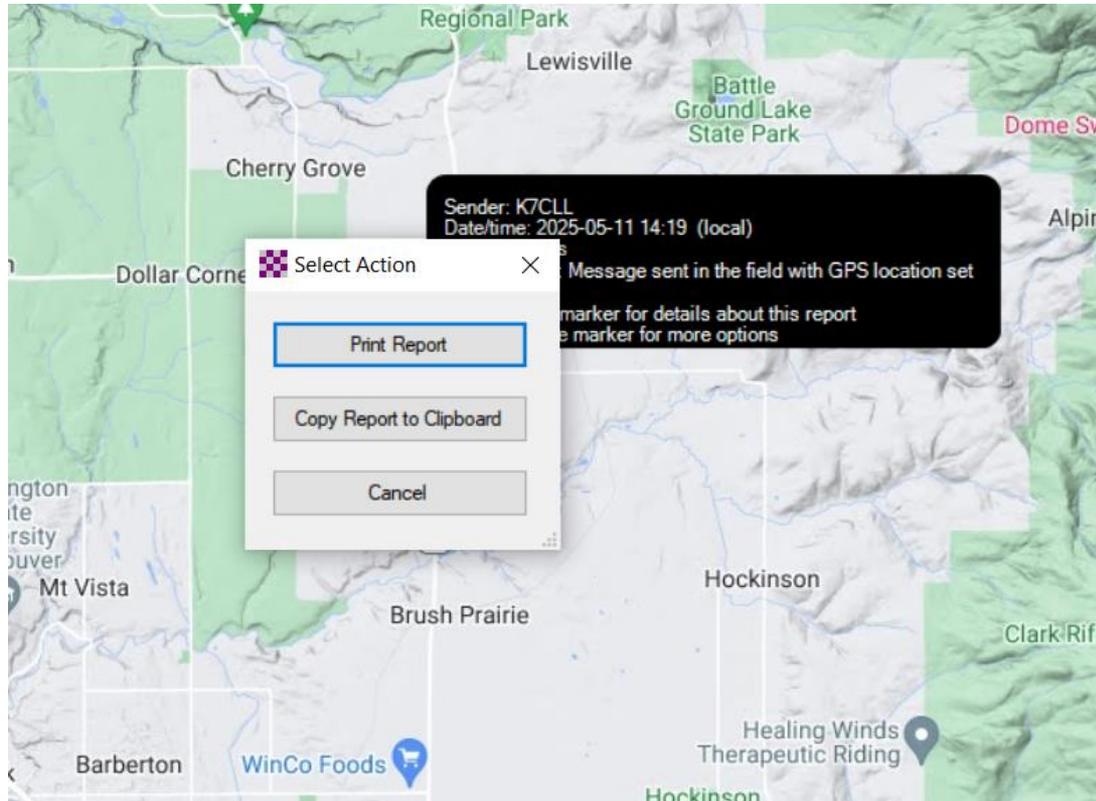
Hover with your mouse over the field station (Blue) and this is the information you will see



Left click on the field station and it shows Range of 2.3 miles and bearing @ 230 degrees from your station, plus GPS Lat and Long info, LZ info?



Right click on the field station and this is the information you will see



You know exactly where you are, and just need to know the exact location of a field station...they have Lat/Long location and sent you a message, here is their message in your Inbox

Winlink Express 1.7.23.1 - KB7RHI

KB7RHI Add Callsign Settings Message Attachments Move To: Saved Items Delete Open Session: Telnet Winlink Logs Help

No active session.

System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (0 unread)	2025/05/11 21:30	4ALPT5PFQ8WT	185	K7YFJ	K7YFJ	KB7RHI	Location test
Read Items (0)	2025/05/11 21:19	EIM0A1AI5EAJ	434	K7CLL	K7CLL	KB7RHI	Print in the field with GPS location set
Outbox (0)	2025/05/08 14:38	1K7UWRWN5JUO	2195	K7YFJ	K7YFJ	KB7RHI	EXERCISE - K7YFJ - example 1
Sent Items (358)	2025/05/08 05:26	42SC6CDRPHYC2	272	SYSTEM	SERVICE	KB7RHI	Message
Saved Items (0)	2025/05/08 05:25	TLE2MRFWH171	272	SYSTEM	SERVICE	KB7RHI	Message
Deleted Items (28)	2025/05/08 05:24	W70534R422M6	272	SYSTEM	SERVICE	KB7RHI	Message
Drafts (0)	2025/05/08 05:23	FCO7DZ6R9XI5	230	SYSTEM	SERVICE	KB7RHI	Message
Personal Folders	2025/05/08 05:02	WN67TEBJFJCL	27357	SYSTEM	SERVICE	KB7RHI	Message
Global Folders							/cms.winlink.org:444/listings/Rms/VaraListing.aspx?serviceCodes=

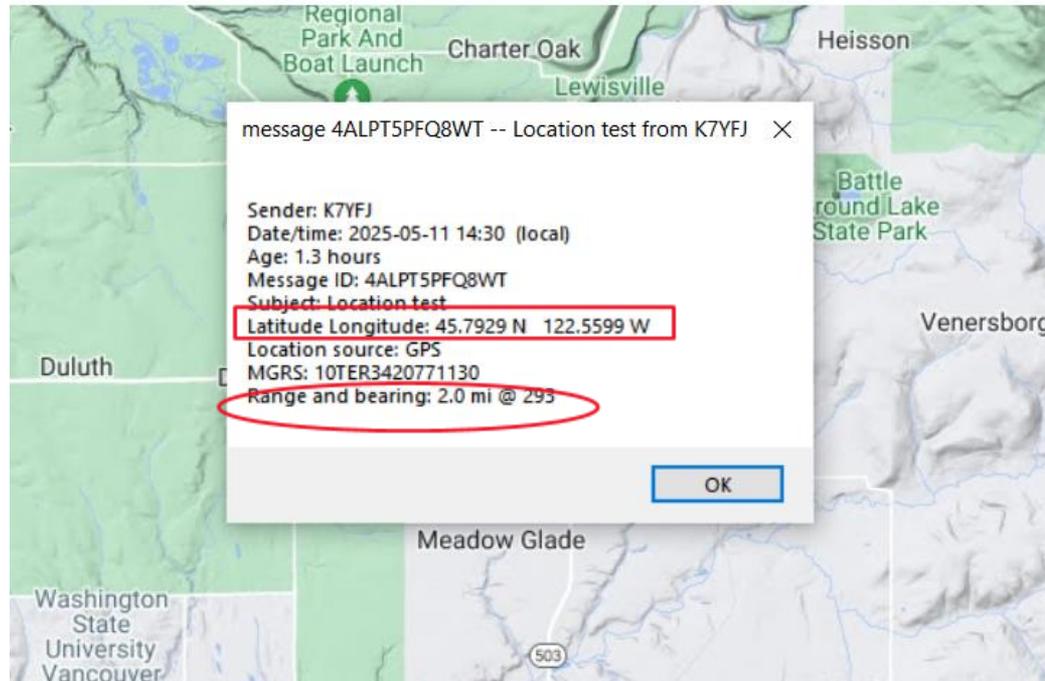
Message ID: 4ALPT5PFQ8WT
Date: 2025/05/11 21:30 (UTC)
From: K7YFJ
To: KB7RHI
Source: K7YFJ
Downloaded from: Telnet:cms.winlink.org
Location: 45.792888N, 122.559863W (GPS)
Subject: Location test
test



You opened up the map information from their message...[KYFJ7](#) (Blue) just sent you (Green) a short message, you will now be able to see their Range, Bearing and Lat Long information



**Just left click on the
K7YFJ(Blue) bubble and you will
now see Range, Bearing, Lat &
Long**



Return receipt from outside of the Winlink system...You might be trying to reach someone outside the impact zone/area

- * You might be sending a message out of the area that 1st goes by a **radio hop** to an RMS station, then by **internet** the rest of way to a global email recipient(did the message dead end here?)
- * The recipient can then **reply by internet** and the message goes back to an RMS station, you do a “last mile” **radio hop** to the RMS station to poll the RMS and pick up the message



Return receipt request message handling

- * You send a message with a return receipt
- * Keep in mind that with these messages there will **not be an instant reply**, the other station needs to get the message and read it first
- * Global email recipients will **reply back to your message** or send a short reply message to your **winlink.org address**
- * Winlink system recipients will need to say Ok to the pop up, then send the automatic reply message in their Outbox back to you
- * If the message was a Winlink message, you will need to poll the Winlink system for your messages



Your return receipt request sent outside of Winlink to a global internet email recipient may look like this, if they click on the down arrow...

est



K7YFJ

to kb7rhi@fastmail.fm



10:49 PM (less than a minute ago)

Inbox



Reply

Actions ▾

test

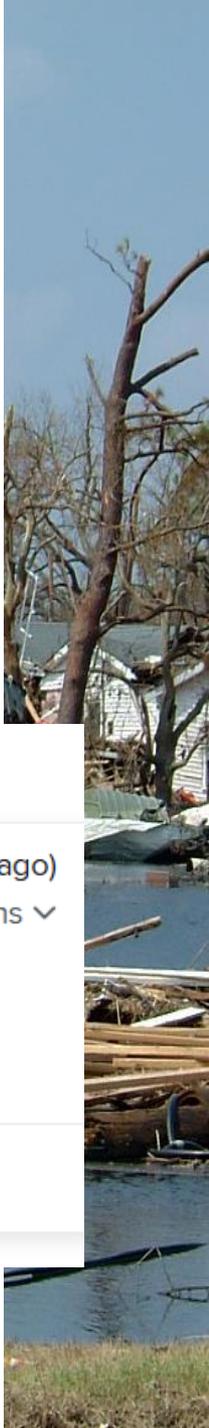
[Message receipt requested]



Reply



Forward



After clicking on the down arrow, they can see this info, instead of just the sender being K7YFJ

test



K7YFJ

to kb7rhi@fastmail.fm ▲

10:49 PM (12 minutes ago)

Inbox ☆ ○ ↶ Reply Actions ▾

From: K7YFJ@winlink.org

Reply-To: K7YFJ@winlink.org

To: kb7rhi@fastmail.fm

Subject: test

Date: Monday, May 19, 2025 10:48 PM

Size: 6 KB

test

[Message receipt requested]

↶ Reply

↷ Forward



The [Message receipt requested] may not be clear enough for what you are asking?

test



K7YFJ

to kb7rhi@fastmail.fm ▾

10:49 PM (less than a minute ago)

Inbox ✨ ○ ↶ Reply Actions ▾

test

[Message receipt requested]

↶ Reply

↷ Forward



SUGGESTION: Add..."Please send a short reply message back to me indicating you received this email OK to my K7YFJ@winlink.org email address"

test



K7YFJ

to kb7rhi@fastmail.fm ▾

10:49 PM (less than a minute ago)

Inbox    Reply  Actions ▾

test

[Message receipt requested]

 Reply

 Forward



Recommended GPS dongle used by a number of stations made by GlobalSat

GPS Receiver



BU-353N

USB GPS Receiver

Description

BU-353N features a USB interface, high GPS sensitivity, and low power consumption. The BU-353N is powered by High sensitivity GPS solution. The BU-353N can provide you with superior sensitivity and performance even in urban canyon and dense foliage environment. The BU-353N supports 75 channel all-in-view tracking. BU-353N acquires and tracks satellites in the shortest time. The cable allows for easy routing to your equipment behind, headliners and side panels and terminates to a custom USB connector.



There are a number of USB powered GPS dongles on the market that are cheaper

- ★ Amazon has a number of GPS dongles
- ★ I am just showing one made by a company that makes quality units and they have made GPS dongles for years
- ★ Wavetalkers online Winlink support videos show some cheaper dongles
- ★ I do not feel comfortable recommending something I have no experience with 😊



Here is an Amazon price, some Amazon vendors are charging almost double this price...(I have no relationship with Amazon)

Overall Pick 



GlobalSat

BU-353N USB GPS Receiver, Black Made in Taiwan

★★★★☆  52

100+ bought in past month

\$ **44**⁵⁹

FREE delivery **Wed, May 14**

[Add to cart](#)

