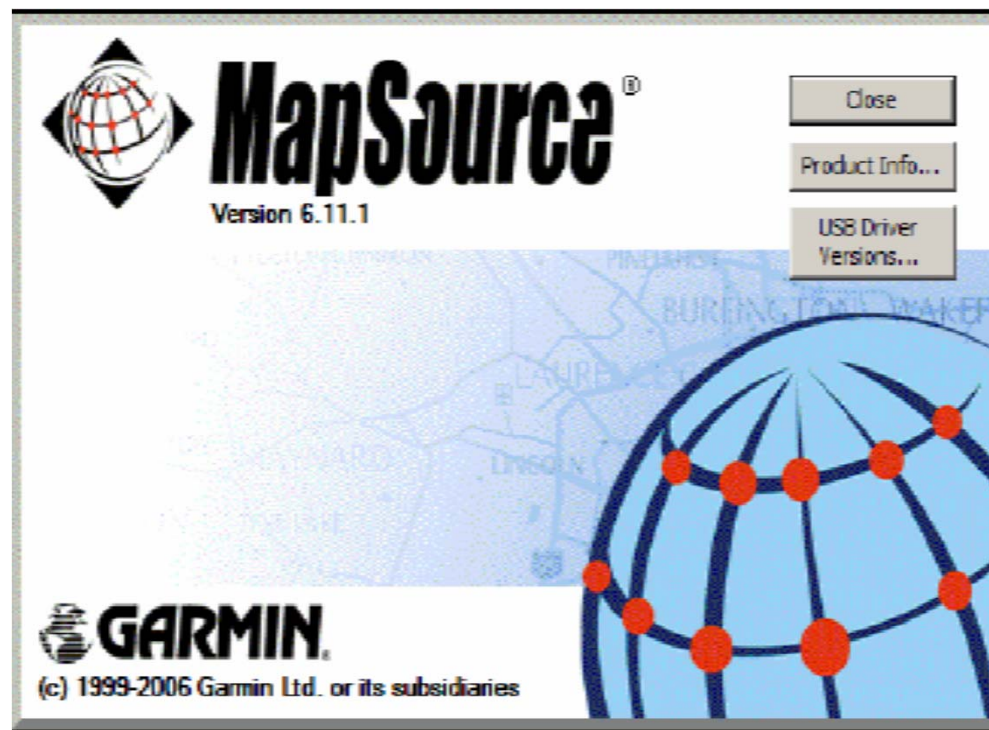


# Pengenalan Kepada Perisian MapSource V 6.11.1



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## Kandungan

- 1)Pengenalan kepada MapSource
- 2)MapSource *Installation*
- 3)Jenis-Jenis Toolbar
- 4)Penggunaan Mapsource

# 1. PENGENALAN

**N**oData cerapan GPS bagi titik "*waypoint*" atau "*track*" yang berada dalam alat Handheld boleh dimuat dimuat turun ke dalam komputer.

**S**oTerdapat beberapa jenis Perisian dalam pasaran yang boleh digunakan untuk muat turun data GPS daripada alat Handheld GPS Garmin. Antaranya ialah Garmin MapSource, g7towin, OziExplorer.

**T**oMapSource (World Map) adalah perisian keluaran MapSource yang mempunyai basemap untuk syarikat Garmin yang mempunyai basemap untuk negara-negara diseluruh dunia termasuk Malaysia.

**U**oTitik "*waypoint*" yang dicerap boleh dipelot diatas basemap tersebut.

**N**

## Keupayaan MapSource

- *TransferData* dari *HandheldGPS* ke *MapSource* dan sebaliknya
- *Editing Waypoint, Route* dan *Track*
- Menentukan bearing, jarak serta keluasan
- Eksport data ke *Perisian AutoCAD, MapInfo* dsn.

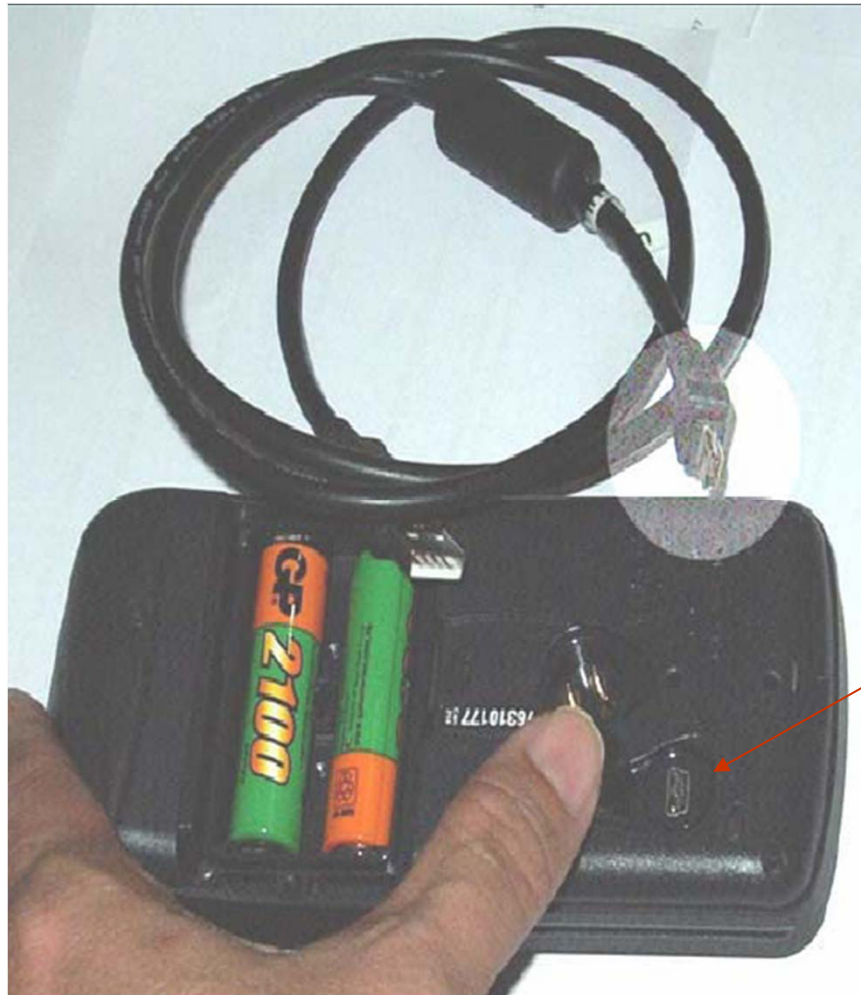
## Sambungan Handheld GPS ke Komputer

PC Interface Cable  
(USB)



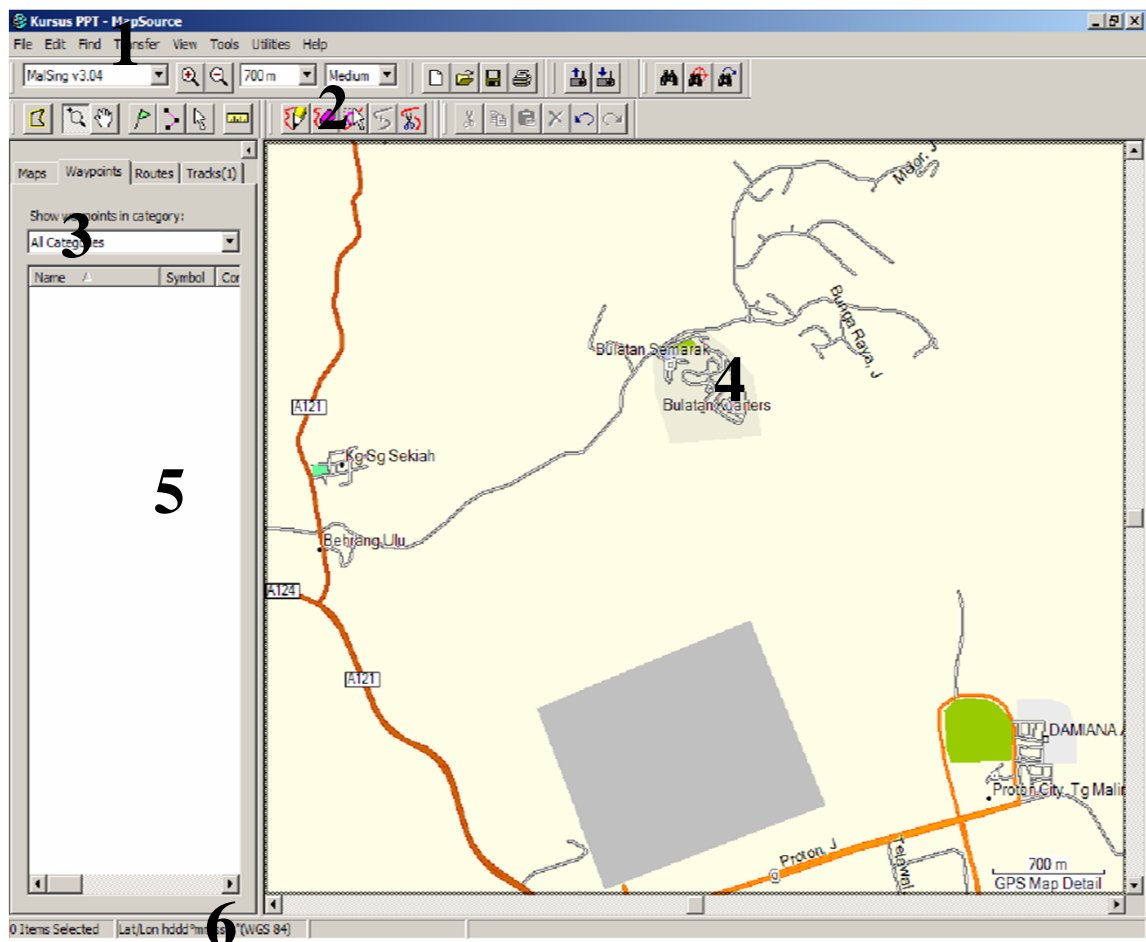
Garmin GPSmap76CSx

*Gambarajah alat GPS bersama USB cable.*



USB Port

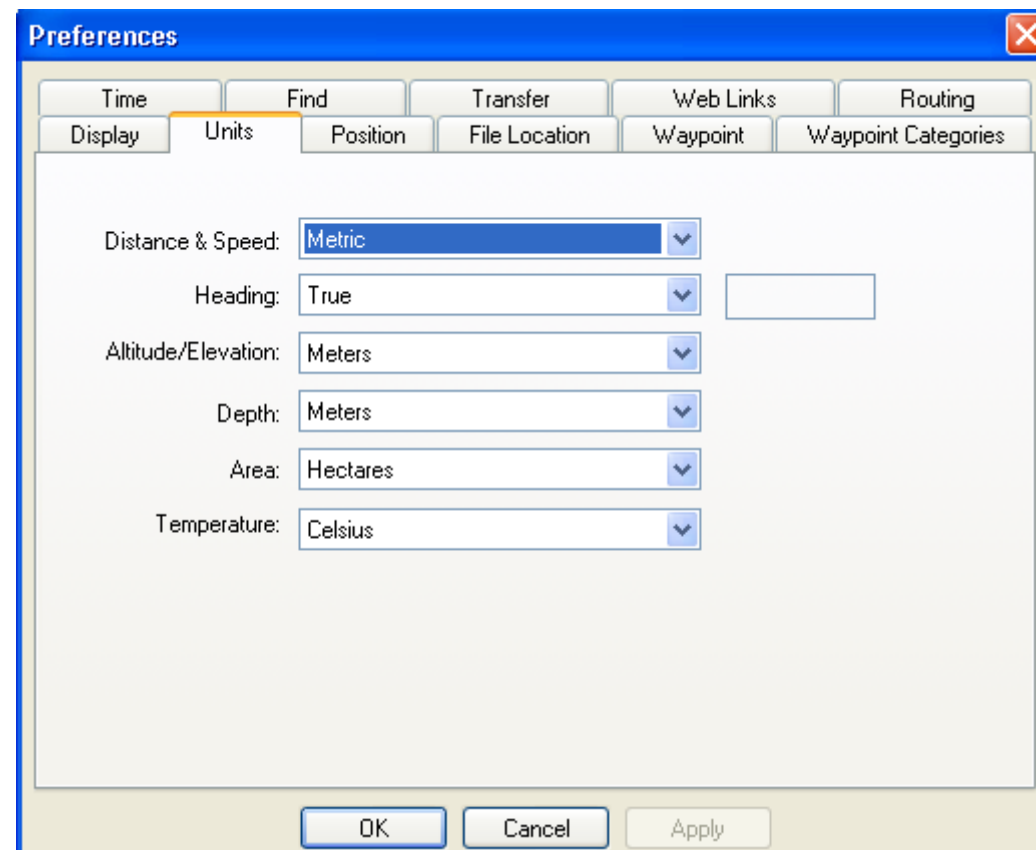
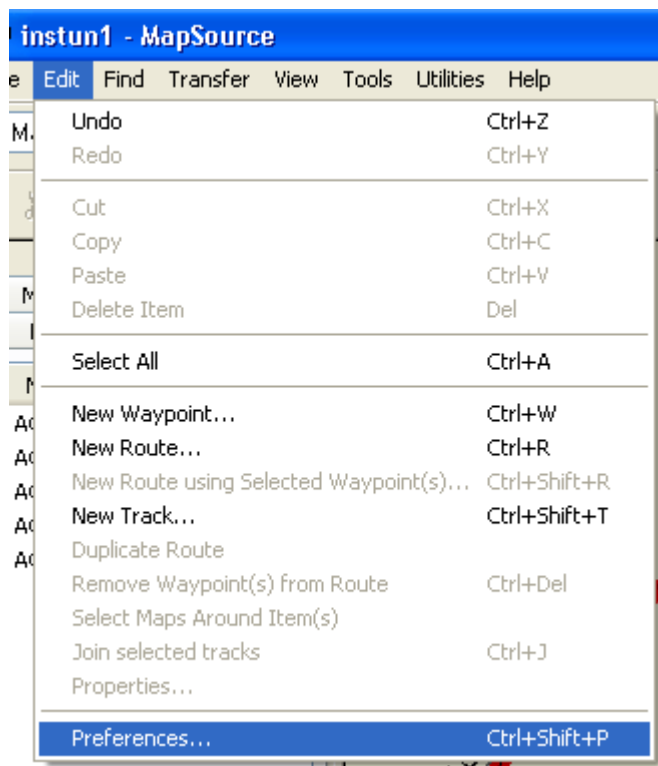
# Antaramuka Perisian MapSource



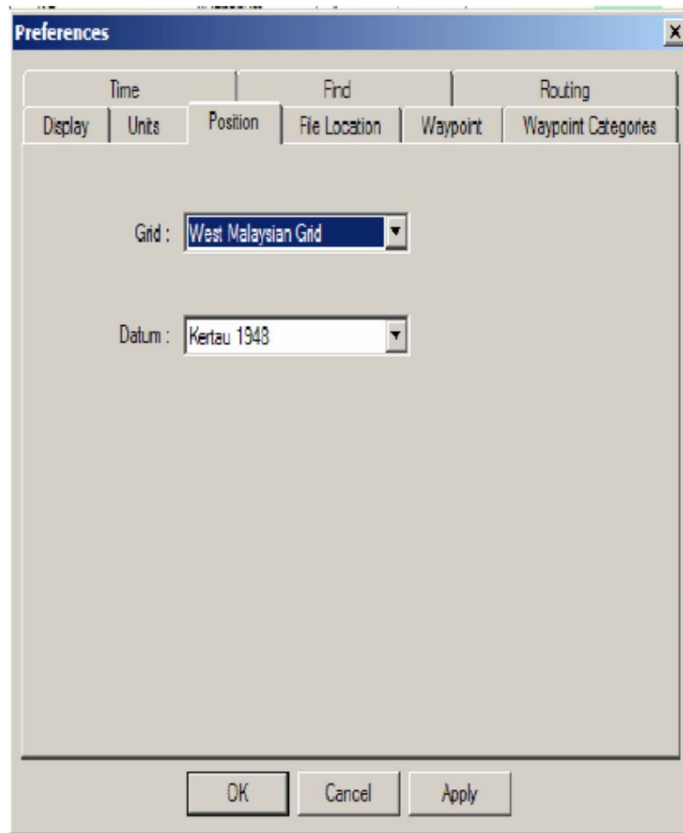
- 1. Menu
- 2. Toolbar
- 3. Data Tab
- 4. Graphic Map
- 5. Splitter Bar
- 6. Status Bar

## "Set-up" untuk Perisian MapSource

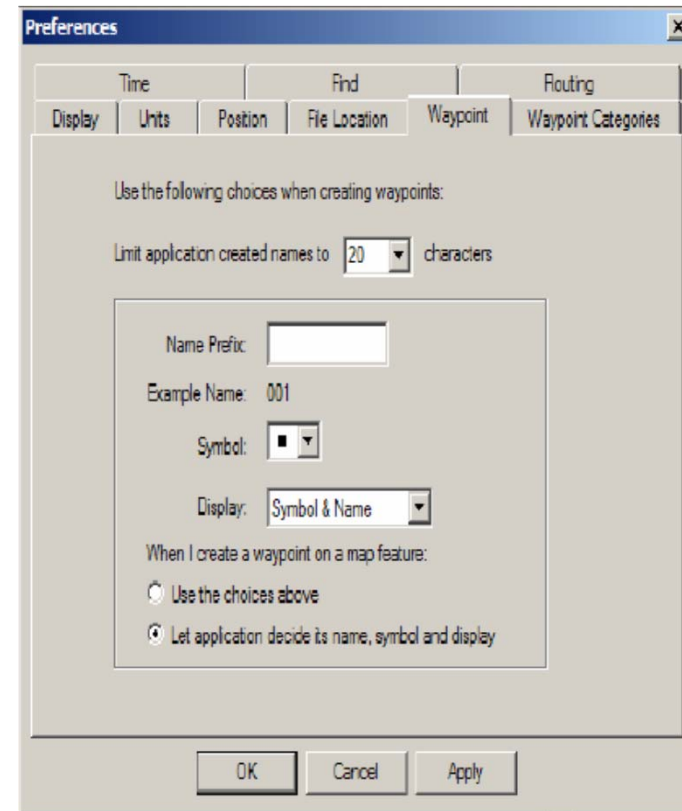
Sebelum menggunakan perisian MapSource, pastikan ia telah dibuat konfigurasi terlebih dahulu seperti berikut.





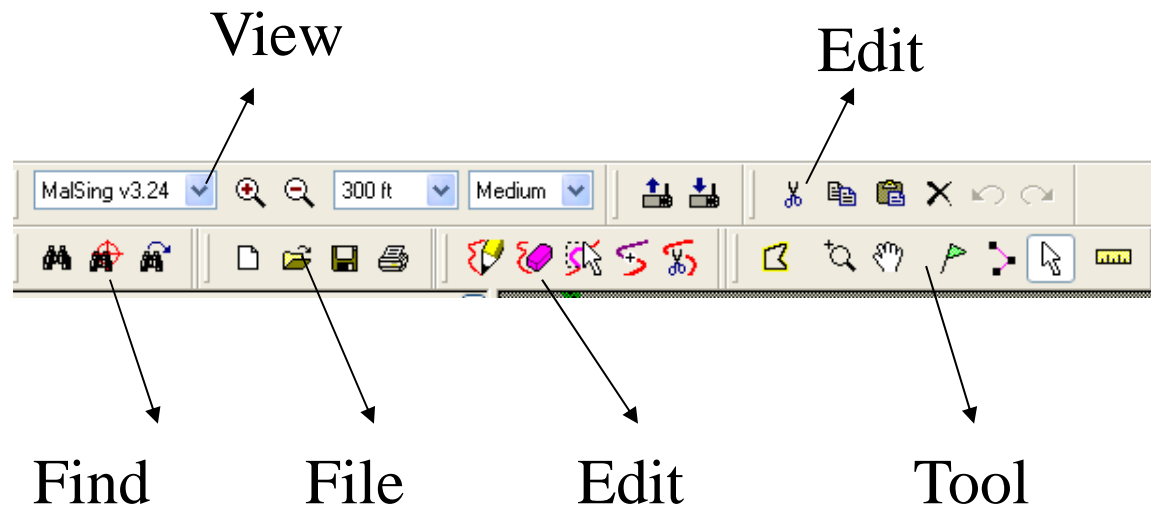


Position Tab

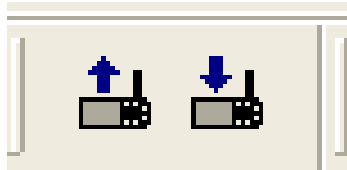


Waypoint Tab

## "Toolbar" dalam perisian MapSource



# Data Transfer to MapSource Software



*Transfer Toolbar*

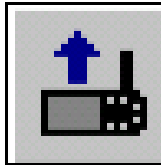
Receive from device

Save to device



## Download (Muat Turun) data daripada alat kepada Komputer

- Pastikan USB cable disambungkan pada alat Handheld GPS dan Komputer
- Sila Klik pada icon



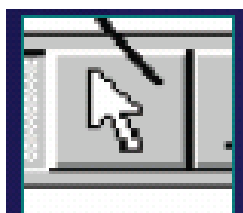
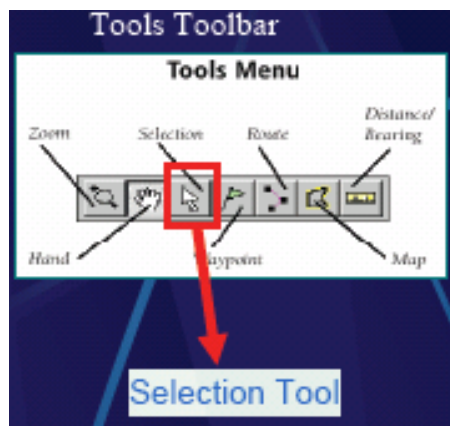
Paparan berikut akan keluar



Pada *What to receive* sila pilih data yang diperlukan untuk dimuat turun.

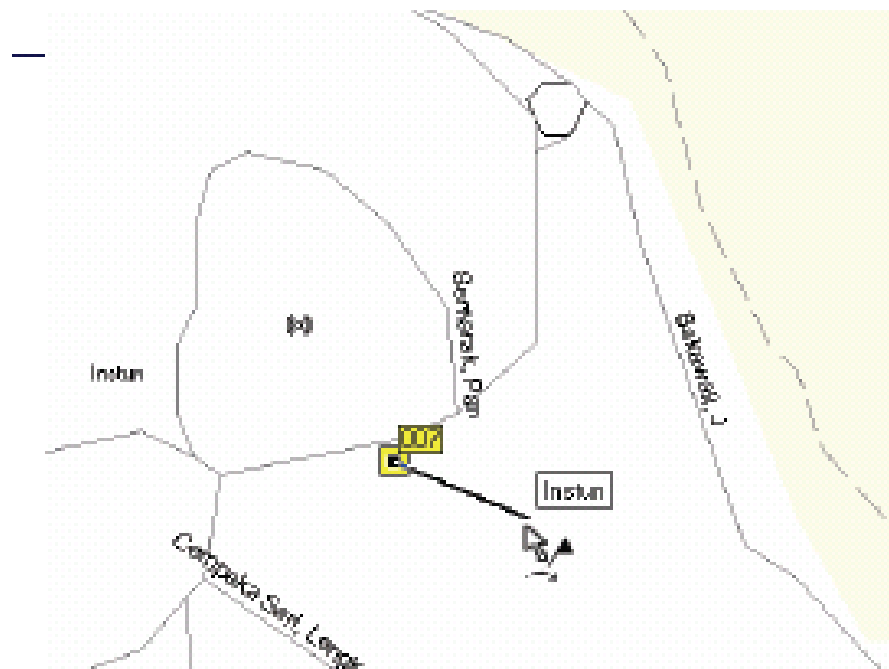
- Contoh check pada waypoint jika waypoint diperlukan.
- Setelah itu klik pada *Receive* untuk mulakan muat turun data daripada alat

# Penggunaan Mapsource

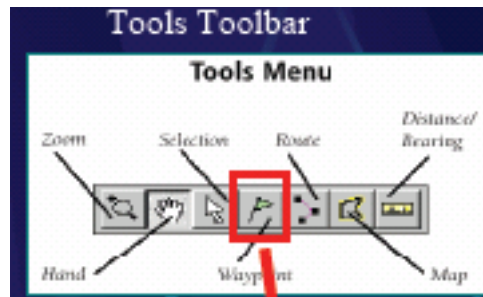


## Selecting WayPoint/Track

1. Place mouse cursor over a waypoint/track on the Graphic Map of Data Tab and Click Twice (slowly) until the cursor changed as follows.
2. Shift the waypoint to the desired location based on the Bearing and distance obtained earlier.



N3 45 53.3 E101 31 04.1 | Distance: 39 m, Bearing: 112° true



## Creating Waypoints

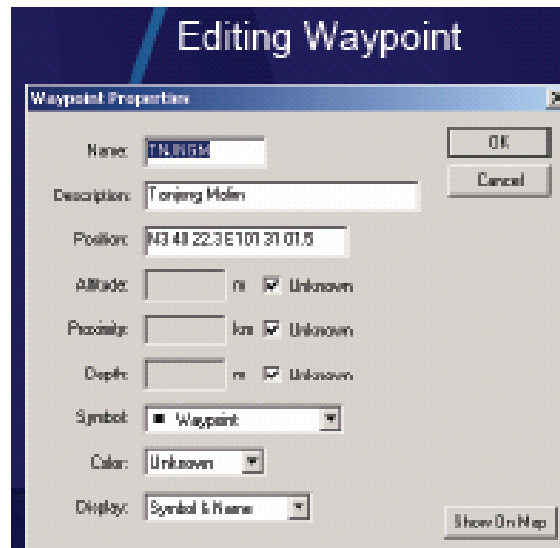
Creating a new waypoint is as easy as locating a spot on the Graphic Map with your mouse and clicking.

### Creating a Waypoint using the Waypoint tool:



1. Select *Waypoint* located in the Tools Menu.
2. Place the mouse pointer over a position on the Graphic Map and click the left mouse button.

The 'Waypoint Properties' dialog appears for the new waypoint. MapSource automatically assigns a name and symbol for new waypoint. Make any desired changes in the 'Waypoint Properties' and click **OK**. Notice that MapSource added the new waypoint to the Waypoints Tab List.



# Jarak/bering



## Jarak/bering



Gunakan tetikus klik pada jarak track yang dikehendaki.

Paparan jarak dan bearing akan ditunjukkan pada Status bar



# Maklumat yg. Boleh kita dapat drp. Mapsource

KUMPULAN3BUILDING - MapSource

File Edit Find Transfer View Tools Utilities Help

MaSing v3.24 200 m Highest

Maps Waypoints(60) Routes Tracks(37)

Name	Points	Start Time	Elapsed Time	Length	Area	Avg Speed
21-NOV-07 02	15			209 m	0.2 ha	
ACTIVE LOG 046	14	11/21/2007 9:56:09 AM (UTC+8)	0:09:32	295 m	0.4 ha	2 km/h
ACTIVE LOG 049	20	11/21/2007 11:03:27 AM (UTC+8)	0:03:17	226 m	0.2 ha	4 km/h
ACTIVE LOG 050	2	11/21/2007 11:11:40 AM (UTC+8)	0:00:01	8 m	0 ha	28 km/h
ACTIVE LOG 051	8	11/21/2007 11:11:44 AM (UTC+8)	0:00:30	200 m	0.0 ha	24 km/h
ACTIVE LOG 052	14	11/21/2007 11:19:38 AM (UTC+8)	0:01:49	181 m	0.1 ha	6 km/h
ACTIVE LOG 053	1	11/21/2007 11:31:24 AM (UTC+8)	0:00:00	0 m	0 ha	
PDG_GOLF	31			5.0 km	149 ha	
Track 001	3			1 m	0.0 ha	
Track 002	1			0 m	0 ha	
Track 003	1			0 m	0 ha	
Track 004	6	11/21/2007 11:22:49 AM (UTC+8)	0:00:15	93 m	0.1 ha	22 km/h
Track 005	3			25 m	0.0 ha	
Track 006	6			85 m	0.0 ha	
Track 007	4			66 m	0.0 ha	
Track 008	17	11/21/2007 10:56:47 AM (UTC+8)	0:02:14	436 m	2.6 ha	12 km/h
Track 009	2			18 m	0 ha	
Track 010	12	11/21/2007 10:08:17 AM (UTC+8)	0:07:43	175 m	0.2 ha	1.4 km/h
Track 011	4	11/21/2007 10:07:24 AM (UTC+8)	0:00:53	36 m	0.0 ha	2 km/h
Track 012	6			62 m	0.0 ha	
Track 013	4			121 m	0.2 ha	
Track 015	33	11/21/2007 9:20:09 AM (UTC+8)	0:13:00	767 m	0.6 ha	4 km/h
Track 016	25	11/21/2007 9:02:38 AM (UTC+8)	0:07:32	353 m	0.9 ha	3 km/h
Track 017	10	11/21/2007 3:42:51 PM (UTC+8)	0:03:07	46 m	0.0 ha	0.9 km/h
Track 018	4			43 m	0.0 ha	
Track 019	6	11/21/2007 3:46:07 PM (UTC+8)	0:00:28	86 m	0.0 ha	11 km/h
Track 020	3			6 m	0.0 ha	
Track 021	57	11/21/2007 3:46:42 PM (UTC+8)	0:03:47	2.6 km	40.4 ha	41 km/h
Track 022	4			25 m	0.0 ha	
Track 023	2			3 m	0 ha	
Track 024	8	11/21/2007 11:12:22 AM (UTC+8)	0:01:32	167 m	0.2 ha	7 km/h
Track 025	6			28 m	0.0 ha	
Track 028	37	11/21/2007 3:50:37 PM (UTC+8)	0:07:13	1.0 km	7.0 ha	9 km/h
Track 031	3			75 m	0.0 ha	
Track 032	3			66 m	0.0 ha	
Track 033	5			117 m	0.1 ha	
Track 034	5			235 m	0.3 ha	

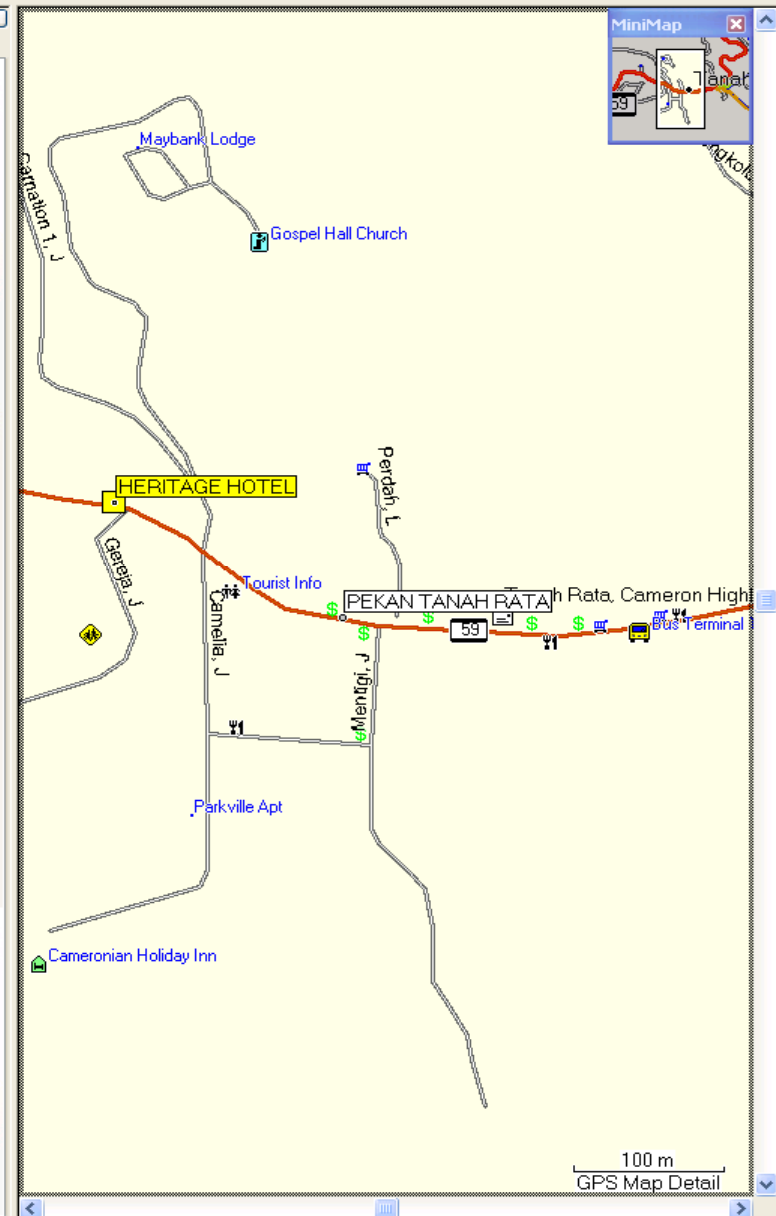
1 Track(s) Selected West Malaysian Grid(Kertau 1948)

start | Inbox - Microsoft ... | Maybank2u.com, a... | Skype™ - mannworld | Nota | Microsoft PowerPol... | KUMPULAN3BUILD... | EN | 11:59 AM

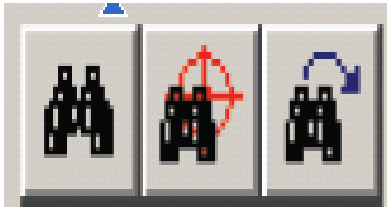
Show waypoints in category:

All Categories

Name	Symbol	Position	Altitude	Depth	Proximity	Temp
045	•	VD 376653 495396	1467 m			
A1	•	VD 376403 495710	1485 m			
A2	•	VD 376410 495726	1482 m			
A3	•	VD 376392 495744	1494 m			
B/POLIS	•	VD 376574 494823	1432 m			
B1	•	VD 376426 495771	1465 m			
B2	•	VD 376430 495746	1483 m			
B3	•	VD 376439 495707	1476 m			
BUS STATION	•	VD 376484 494747	1430 m			
C1	•	VD 376465 495748	1497 m			
D1	•	VD 376392 495768	1484 m			
E1	•	VD 376392 495784	1478 m			
E2	•	VD 376393 495761	1480 m			
E3	•	VD 376372 495760	1487 m			
F1	•	VD 376371 495764	1480 m			
F2	•	VD 376354 495745	1490 m			
F3	•	VD 376326 495764	1506 m			
G1	•	VD 376378 495782	1500 m			
G2	•	VD 376295 495789	1495 m			
G3	•	VD 376331 495819	1485 m			
GARDEN MELVIN B.1	•	VD 376242 495920	1490 m			
GARDEN MELVIN B.2	•	VD 376246 495958	1492 m			
GOLF COURSE CH	•	VD 376507 496621	1491 m			
HERITAGE HOTEL	•	VD 375971 494792	1438 m			
JKR	•	VD 376609 494941	1444 m			
MARDI	•	VD 377113 494416	1421 m			
P.B	•	VD 376653 495400	1461 m			
P.TEL	•	VD 376661 495396	1465 m			
P.telefon	•	VD 376483 496004	1458 m			
PB	•	VD 376434 495748	1490 m			
PB1	•	VD 376351 495749	1497 m			
PEKAN TANAH RATA	•	VD 376123 494710	1443 m			
RUMAH PERANGINAN PERSEKUTUAN	•	VD 376313 496461	1461 m			
T.PKBURAN B.2	•	VD 376543 495744	1466 m			
T.PKBURAN B.3	•	VD 376541 495785	1470 m			
TANGKI AIR	•	VD 376355 495682	1510 m			
TL	•	VD 376419 495738	1494 m			
TL10	•	VD 376335 495785	1495 m			
TL11	•	VD 376320 495778	1497 m			
TL12	•	VD 376354 495750	1495 m			
TL13	•	VD 376365 495698	1488 m			



# Find Toolbar



**Find Nearest Places**

Place Category: Hospital

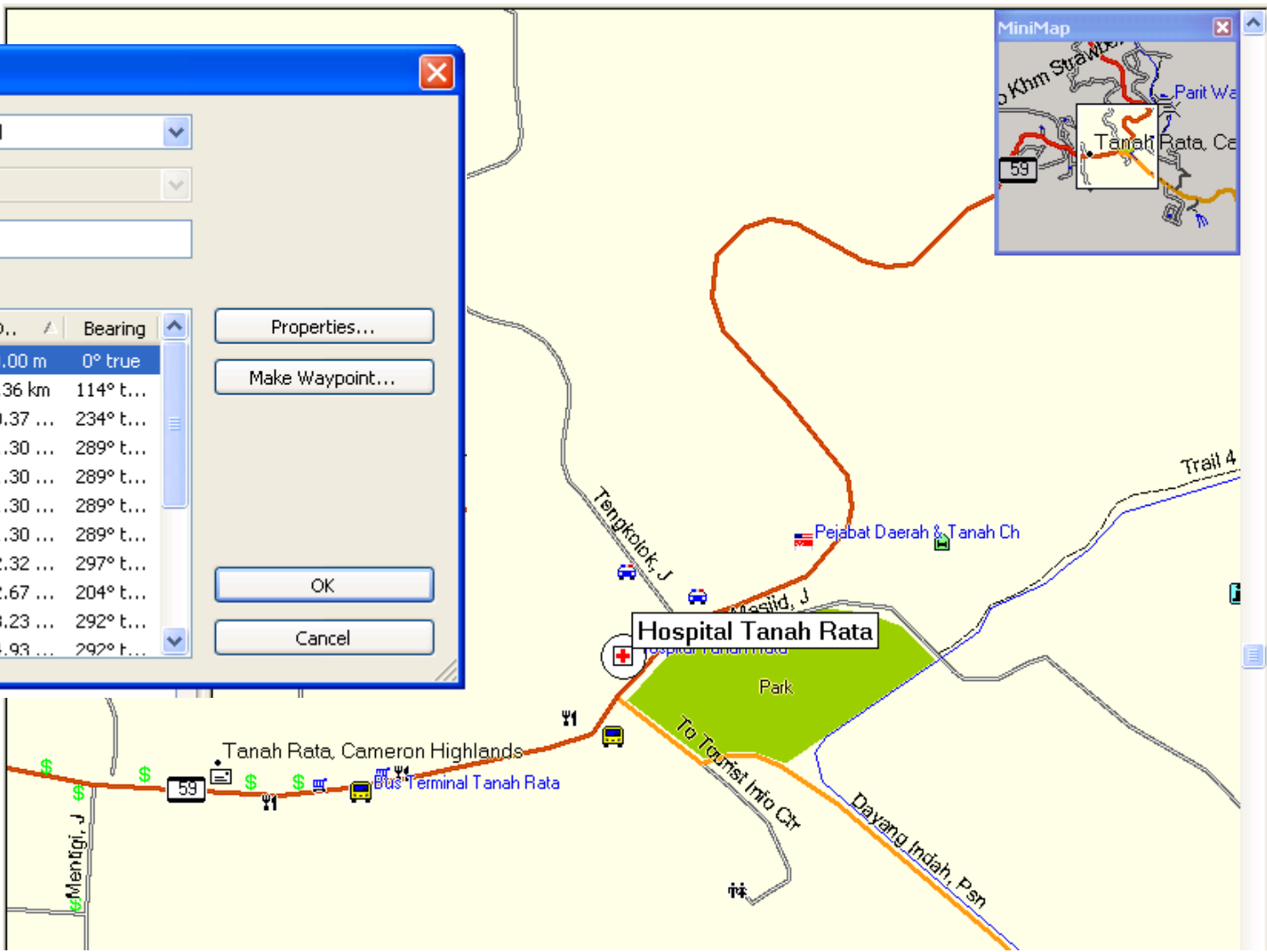
Place Subcategory:

Containing:

Places:

Name	D..	Bearing
Hospital Tanah Rata	0.00 m	0° true
Hospital Cameron Hig...	1.36 km	114° t...
Kampar Hospital (Old)	30.37 ...	234° t...
Clinic Kesihatan	31.30 ...	289° t...
Clinic Kesihatan	31.30 ...	289° t...
Clinic Kesihatan	31.30 ...	289° t...
Clinic Kesihatan	31.30 ...	289° t...
Pantai Puteri Hospital	32.32 ...	297° t...
Hospital Tapah	32.67 ...	204° t...
Chinese Maternity Ho...	33.23 ...	292° t...
Kinta Medical	34.93 ...	292° t...

Properties...  
Make Waypoint...  
OK  
Cancel



## Mengerakkan Imej Grafik

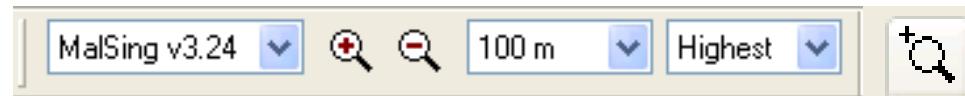
- Klik pada icon



Gunakan tetikus untuk mengerakkan imej, klik kiri (hold) dan gerakkan imej.


## Membesarkan imej Grafik

- Klik pada icon

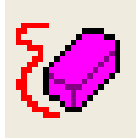


- Gunakan tetikus untuk membuat window pada kawasan yang hendak dibesarkan.


## Membuat track

- Klik pada icon 
- Gunakan tetikus, Klik pada kiri (Hold) dan gerak tetikus untuk melukis track yang dikehendaki.

## Memadam Track, Waypoint dan Route

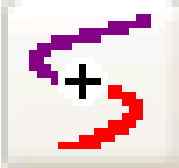
- Klik pada icon 
- Gunakan tetikus, untuk membuat padaman klik kiri tetikus pada setiap waypoint atau track

## Track point Select tool



- Klik pada icon The icon shows a mouse cursor pointing to a track point, which is a small square with a red and blue diagonal line. A dashed line indicates the track path.
- Pilih track yang hendak ditrim atau dipotong,.
- Klik kiri tetikus dan drag ke atas track yang hendak ditrim atau dipotong.
- Kemudian tekan Delete pada papan kekunci.



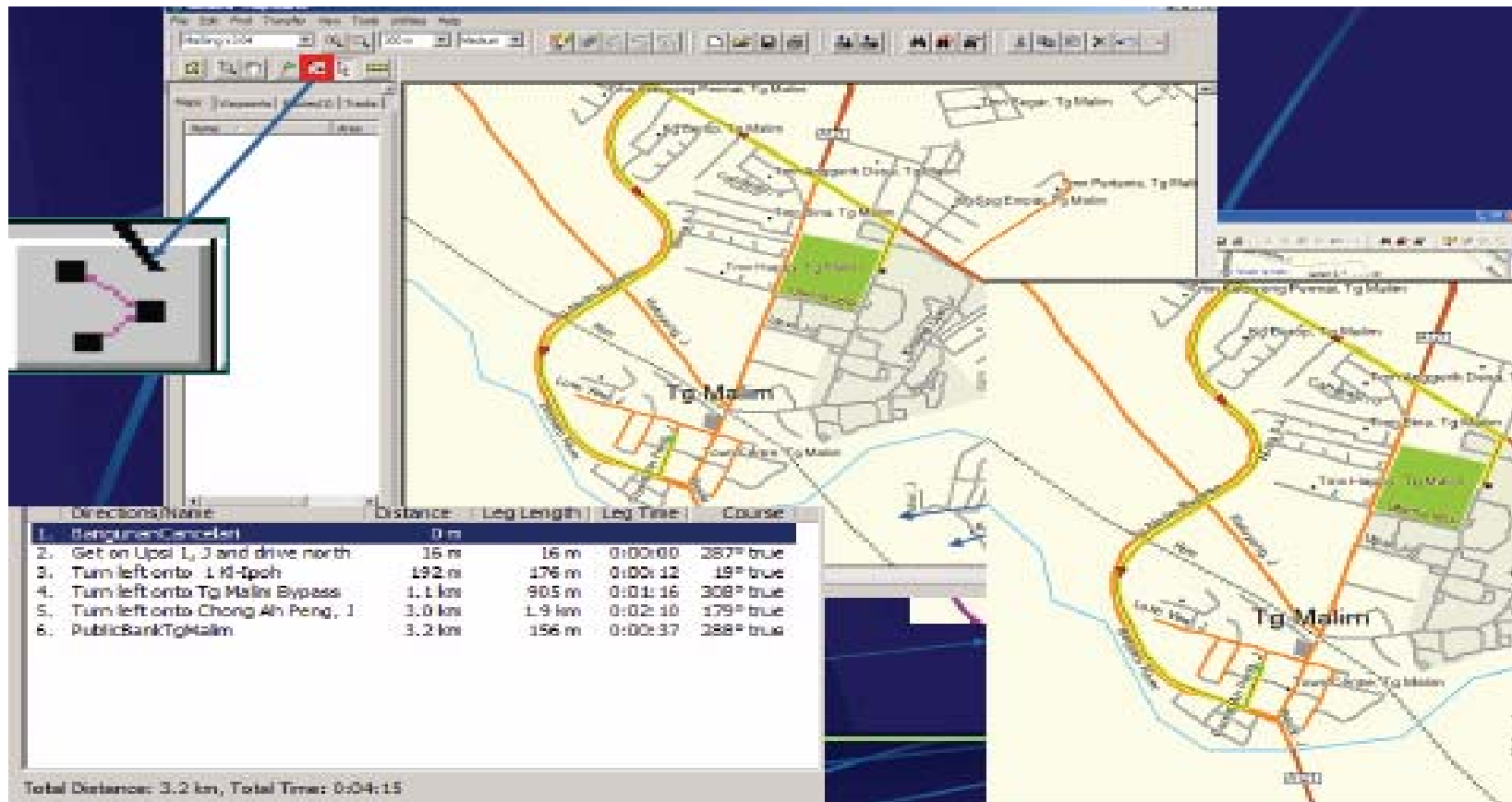
## Sambung Track

- Klik pada icon 
- Pilih track yang hendak disambung, klik kiri tetikus dan sambungkan pada track. (pastikan track yang hendak disambung mestilah end point)

## Putuskan Track

- Klik pada icon  
- Pilih track yang hendak di potong, klik kiri tetikus serta gerakkan tetikus ke kawasan yang dipotong.
















# ROUTE



# Membuat Salinan (copy) dari satu fail ke fail lain

Maps Waypoints(15) Routes(1) Tracks(5)

Show waypoints in category: All Categories
















Name	Symbol	Comment
259		03-AUG-06 10...
259Mula		03-AUG-06 9:...
260		03-AUG-06 10...
261		03-AUG-06 10...
262		03-AUG-06 10...
263		03-AUG-06 10...
264		03-AUG-06 11...
265		03-AUG-06 11...
266		04-AUG-06 13...
Aterjun		03-AUG-06 12...
Batu		03-AUG-06 10...
Cpointtg		03-AUG-06 11...
Tbatu		03-AUG-06 11...
Tk3		03-AUG-06 10...
zack001		

Control A



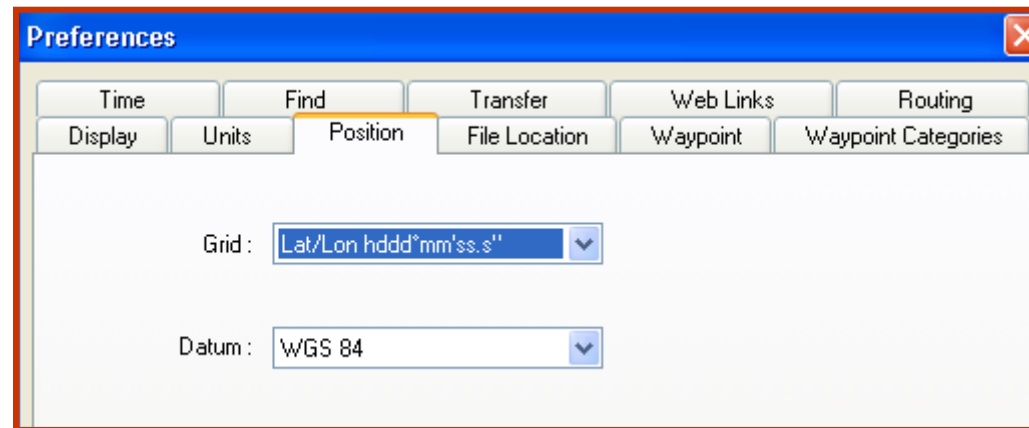
Maps Waypoints(15) Routes(1) Tracks(5)

Show waypoints in category: All Categories

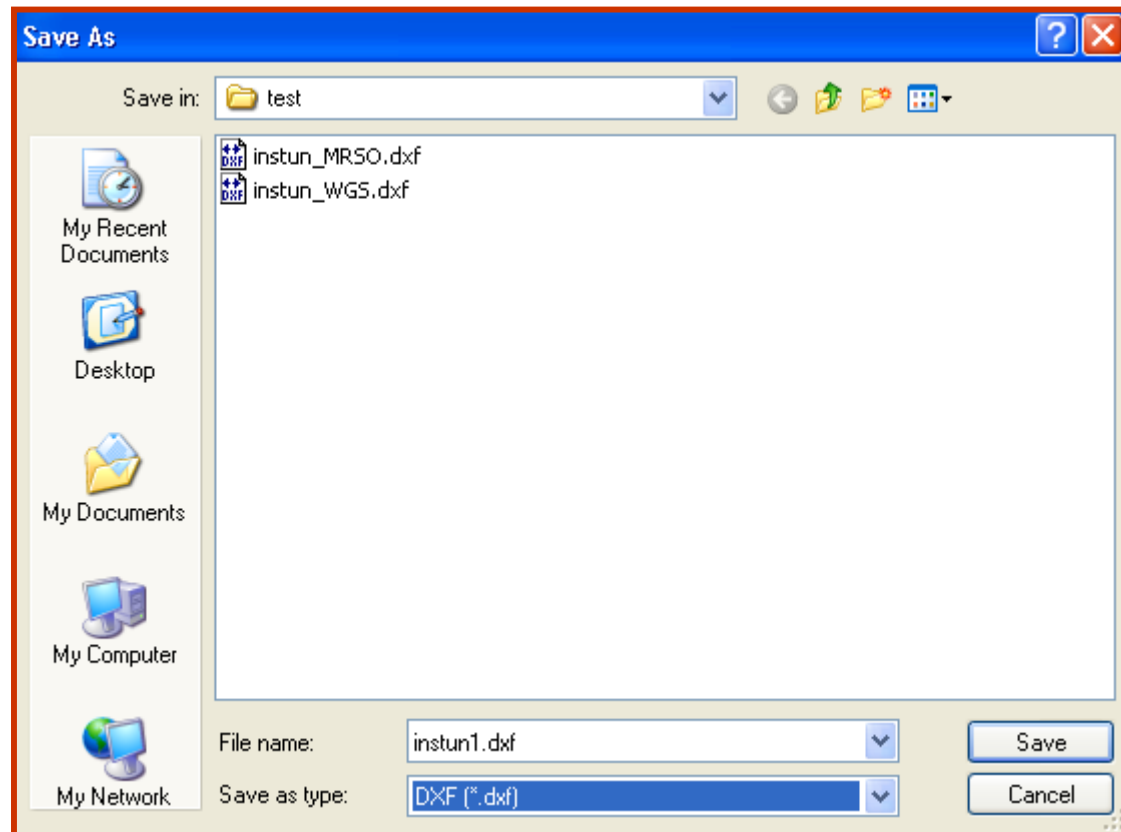
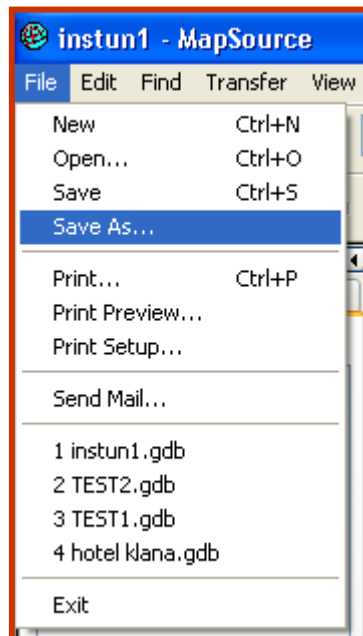
Name	Symbol	Comment
259		03-AUG-06 10...
259Mula		03-AUG-06 9:...
260		03-AUG-06 10...
261		03-AUG-06 10...
262		03-AUG-06 10...
263		03-AUG-06 10...
264		03-AUG-06 11...
265		03-AUG-06 11...
266		04-AUG-06 13...
Aterjun		03-AUG-06 12...
Batu		03-AUG-06 10...
Cpointtg		03-AUG-06 11...
Tbatu		03-AUG-06 11...
Tk3		03-AUG-06 10...
zack001		

# Export fail ke DXF Format

1. Pastikan data-data dalam projection latitud-longitud.



# Export fail ke DXF Format



# Export fail ke DXF Format

**DXF Export Customization**

**Document Extents**

Use decimal degrees  Use UTM coordinates

N3.76687 E101.53332

N3.71270 E101.49503

**Scaling Factors**

The following scaling factors are applied to the data used to create DXF points, lines, and circles:

XY Scale (degrees to drawing units)

Proximity Circles (km to drawing units)

Text height (drawing units)

Elevation range: 51 m

Include elevation information

Z Scale (m to drawing units)

**Display Options**

Make western longitudes positive values in DXF graphics

Create symbols to contain waypoint, route, and track details

OK Cancel

I  
N  
S  
T  
U  
N

Sekian, Terima kasih

Q&A