



# Practical Training Course by Chris Rule

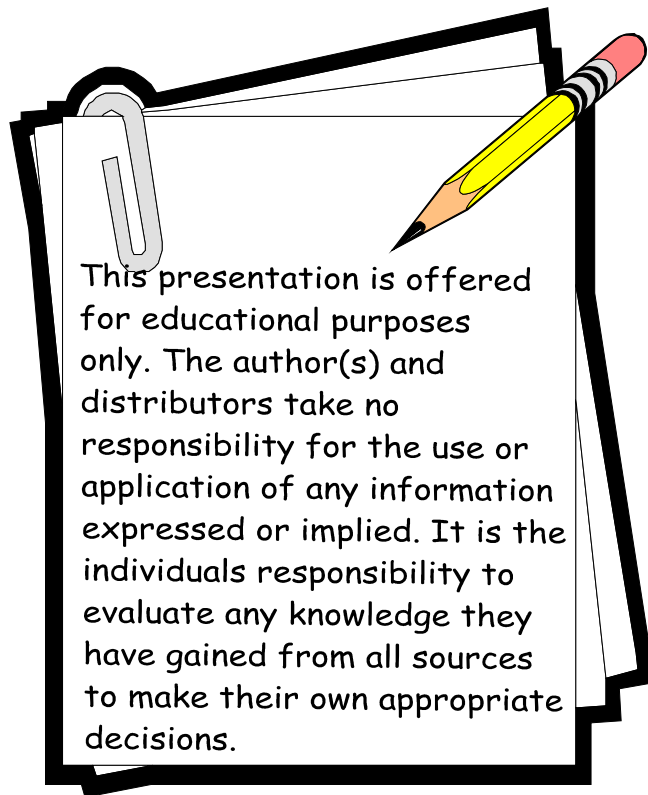
## INTRODUCTION

The purpose of this manual is to serve as a teaching guide for students who want to learn Oziexplorer.

**This is not a complete guide to OZI.** The student is expected to take the fundamentals acquired and to go on, on their own to learn the program more in depth.

OZI is being continually upgraded so any manual produced is quickly out dated.

There seems to be no end to what OZI can do, moving map on Palm Pilots, OZI 3D, OZI used for Automatic Radio Position Systems, OZI linked with digital cameras, and the list grows day by day.



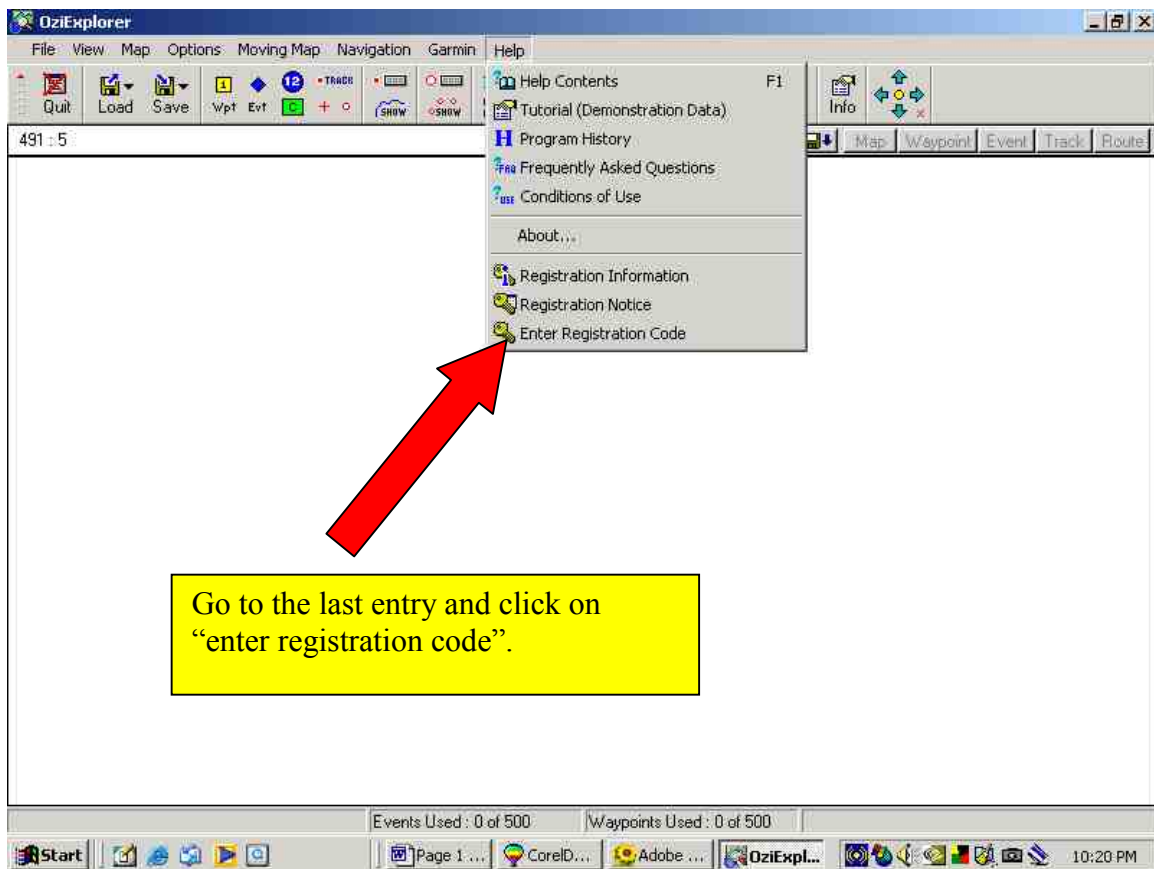
# OZI

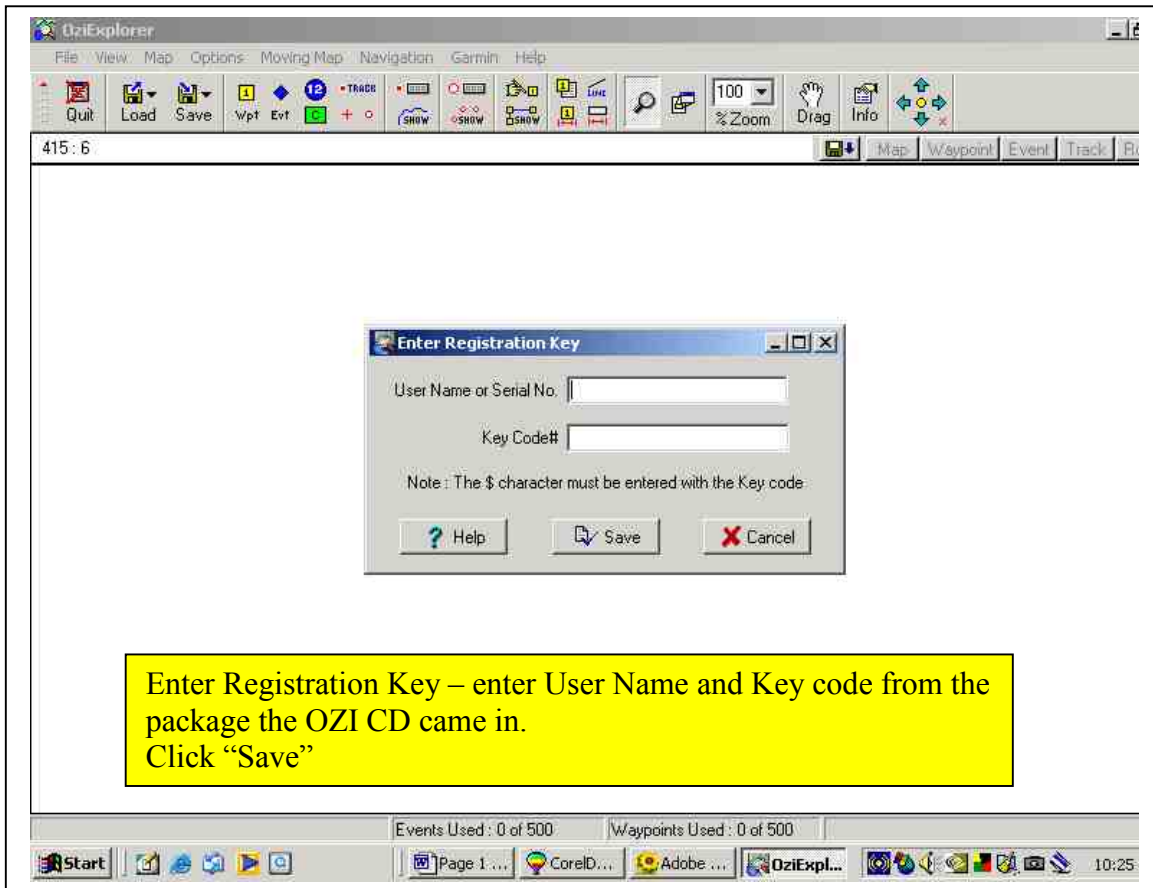
## Down Loading Ozi from a disk.

### Initial loading step

Down load as per instructions on CD case.. You should end up with a file on the C drive called Oziexplorer and an Icon on the desk top.

At some point you will be asked to “**enter registration code**”. If you are not prompted to then go to OZI menu bar and click on “**HELP**”.





Note: Some other boxes may come up prompting you to enter the User Name and Key Code. There is one box you can check off saying “**don’t show this again**”

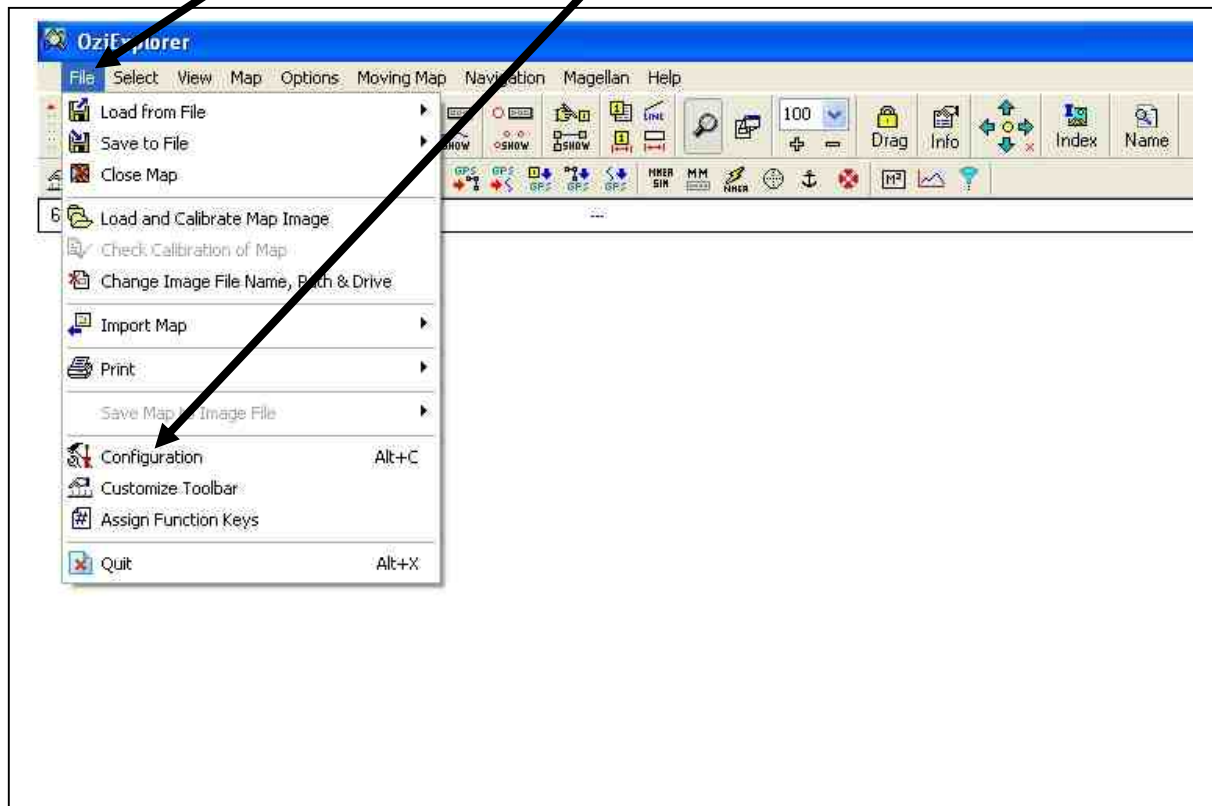
*CONGRATULATIONS, you have now installed and have a working OZI program.*

## Configuring Ozi

The next thing to do is to “configure” OZI , or establish where maps are stored, what units of measure will be used and other settings. But before we do that let us set up the files OZI will need.

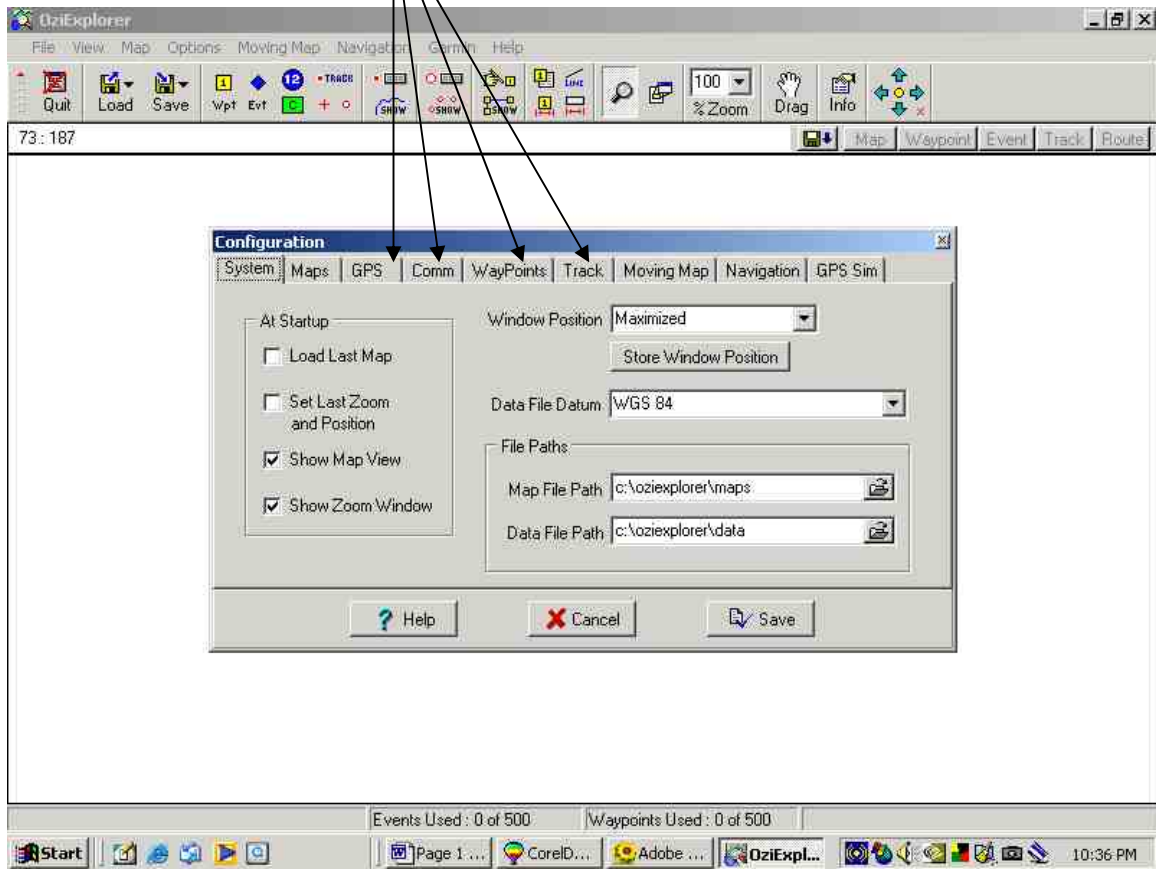
Find **Oziexplorer** in the **C:** drive and go in and create some files and name them **Waypoints, Routes, Tracks, Maps, Data, Photos, Events**

Go to the OZI menu bar and click on “**File**” and near the bottom of the drop down box click on “**Configuration**”



*The following settings are just to get you started. You will change them later as required*

Notice all the tabs in the box. We will go through each one and set our “**Configuration**” to all the same settings for now.



### **SYSTEM TAB**

**At Startup** check off - **Show Map View** and **Show Zoom Window**

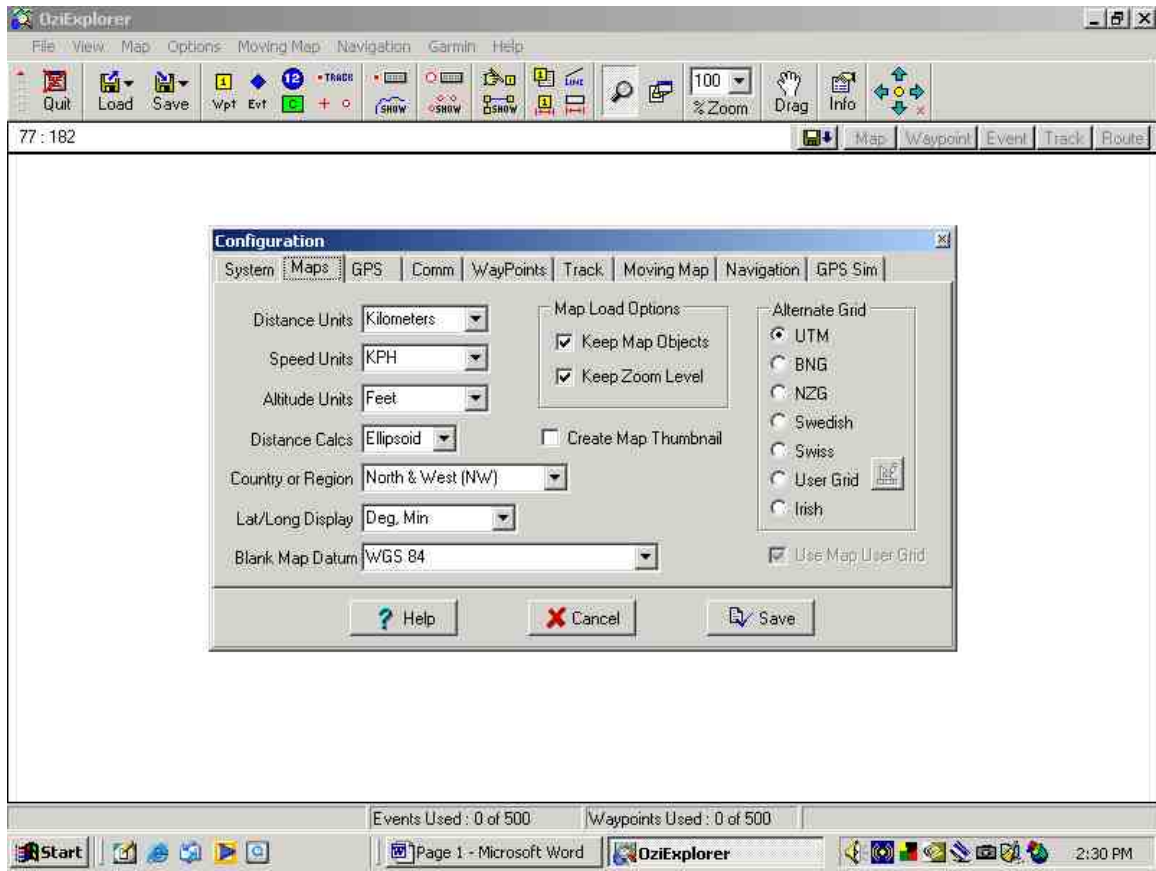
**Window Position** **Maximized**

**Data File Datum** **WGS 84**

**File Paths** **Map File Path** **c:\ozieplorer\maps**

**Data File Path** **c:\ozieplorer\data**

Click “**SAVE**”



## MAPS TAB

**Distance Units**      kilometers  
**Speed Units**        KPH  
**Altitude Units**      feet  
**Distance Calc**       Ellipsoid  
**Country or Region**   North & West  
**Lat/Long Display**    Deg. Min  
**Blank Map Datum**    WGS84

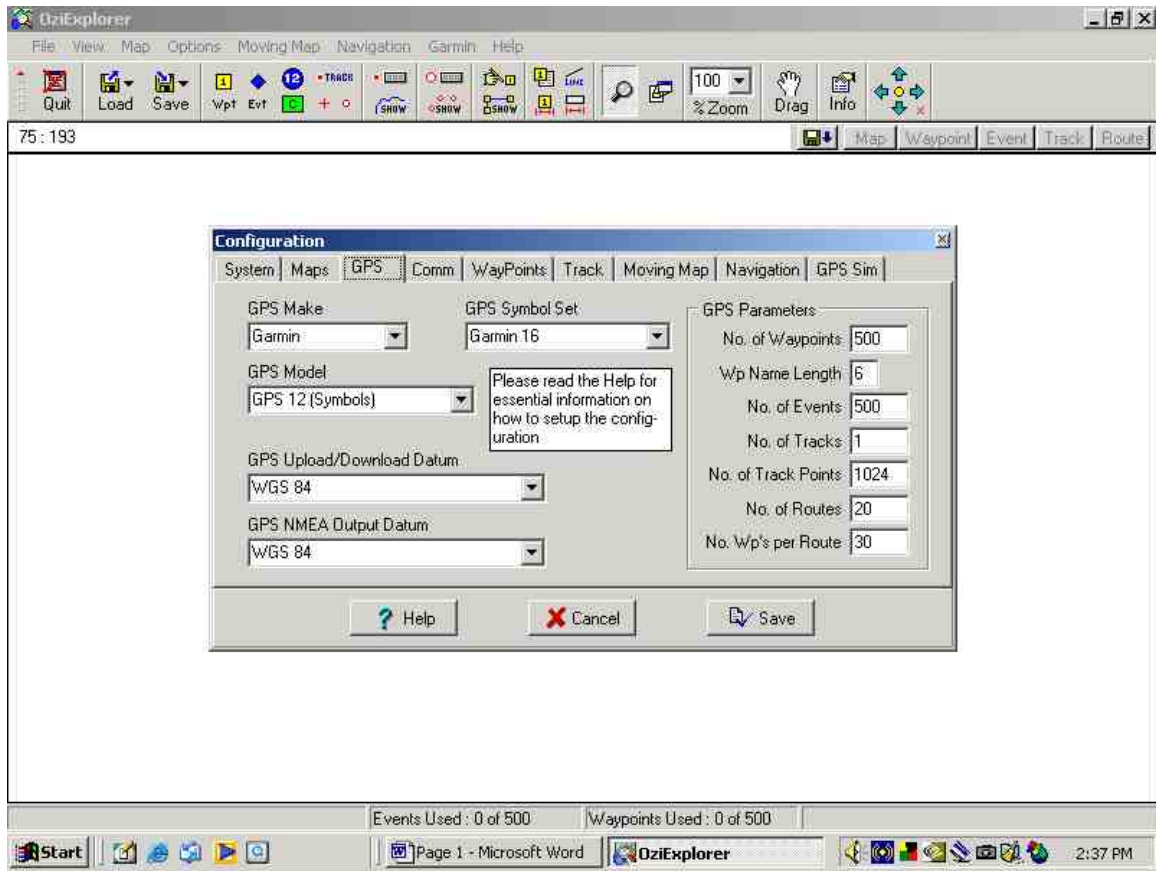
**Map Load Options**    check off - **Keep map objects, Keep Zoom level**

**Create Map Thumbnail**    leave blank

**Alternate grid**            check off only - UTM

Click "SAVE"





## GPS TAB

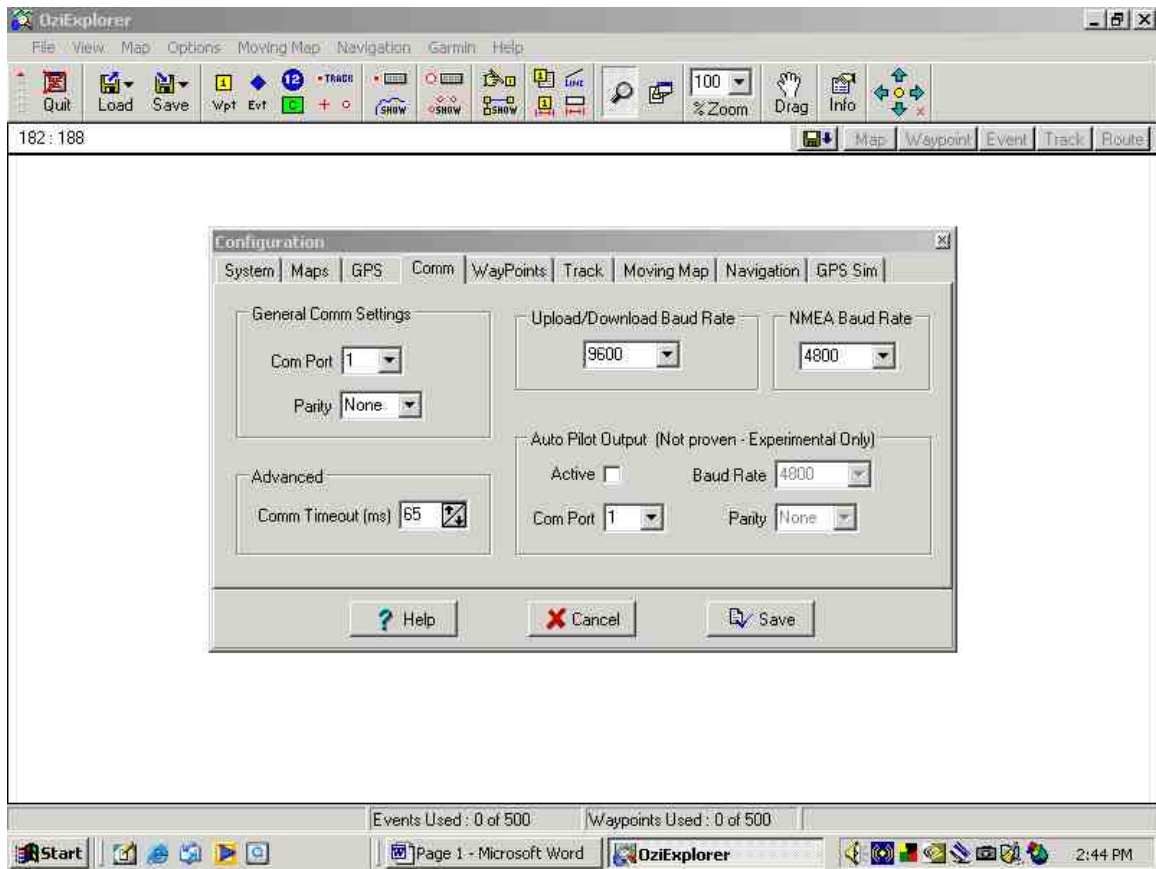
**GPS Make**            select - **GARMIN**  
**GPS Model**         select - **GPS 12 (symbols)**  
**GPS Upload/Download Datum**    select - **WGS 84**  
**GPS NMEA Output Datum**        select- **WGS 84**

**GPS Symbol Set**     **Garmin 16**

**GPS Parameters**    should be automatically set

Click "SAVE"





## COMM TAB

**Com Port** 1 (may have to change if using 9 pin cable)

**Parity** None

**Advanced Comm Time out** 65

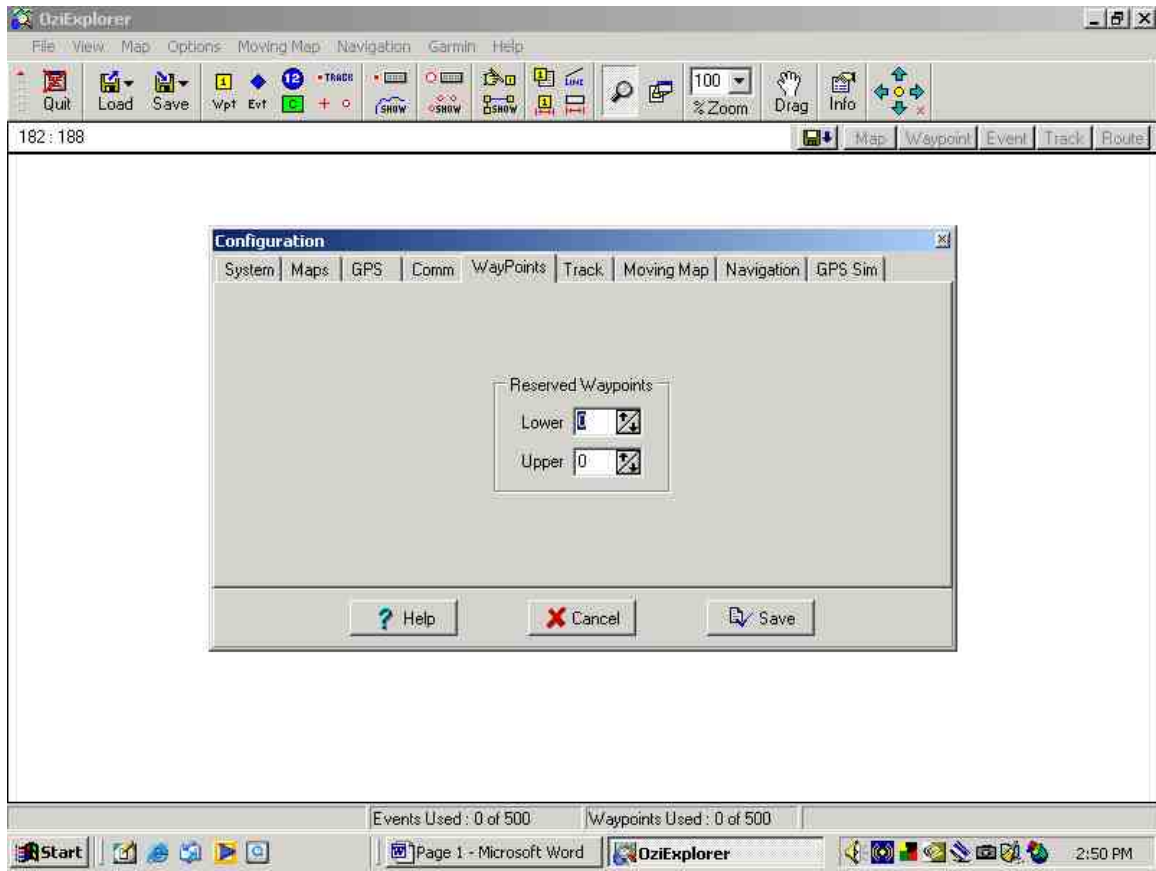
**Upload/Download Baud Rate** 9600

**NMEA Baud Rate** 4800

**Auto Plot Output** Active leave blank

**Com Port** 1 **Baud Rate** 4800 **Parity** - None

Click "SAVE"

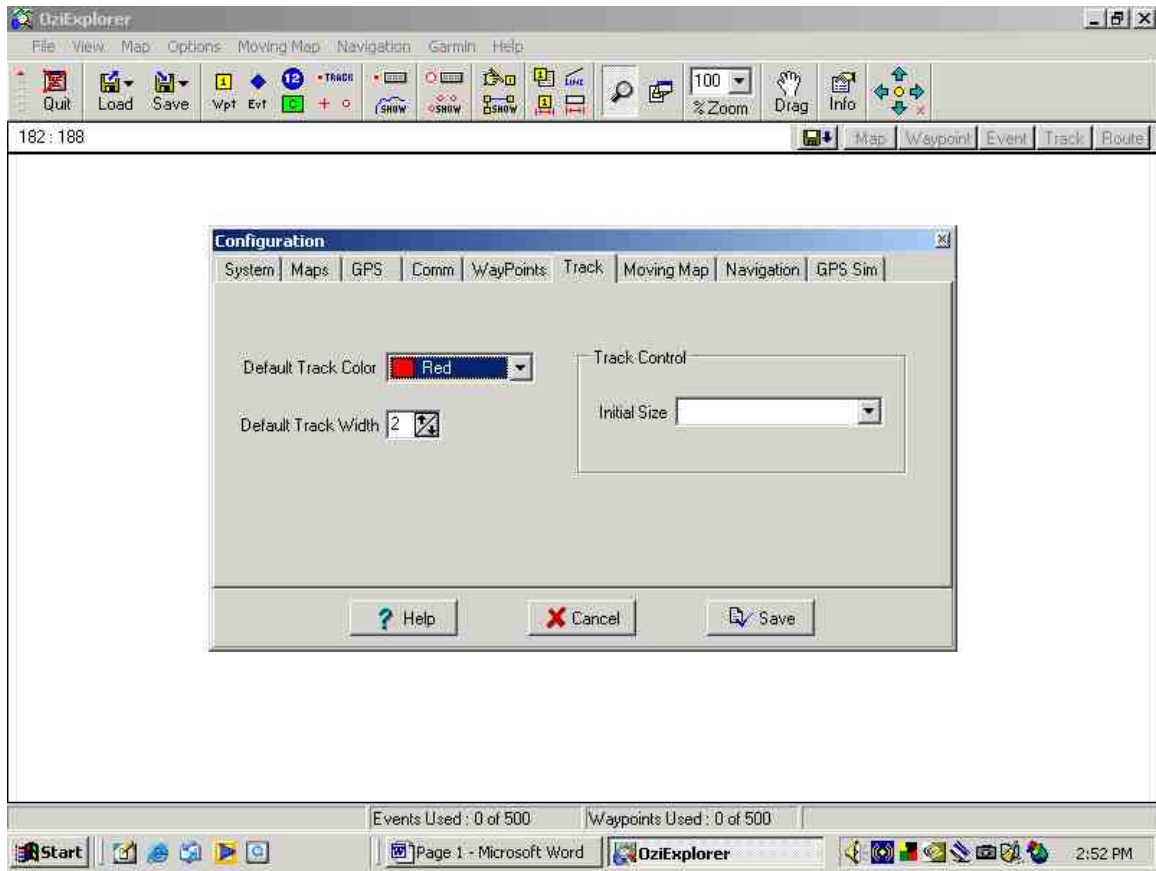


## WAYPOINTS TAB

Lower 0

Upper 0

Click "SAVE"



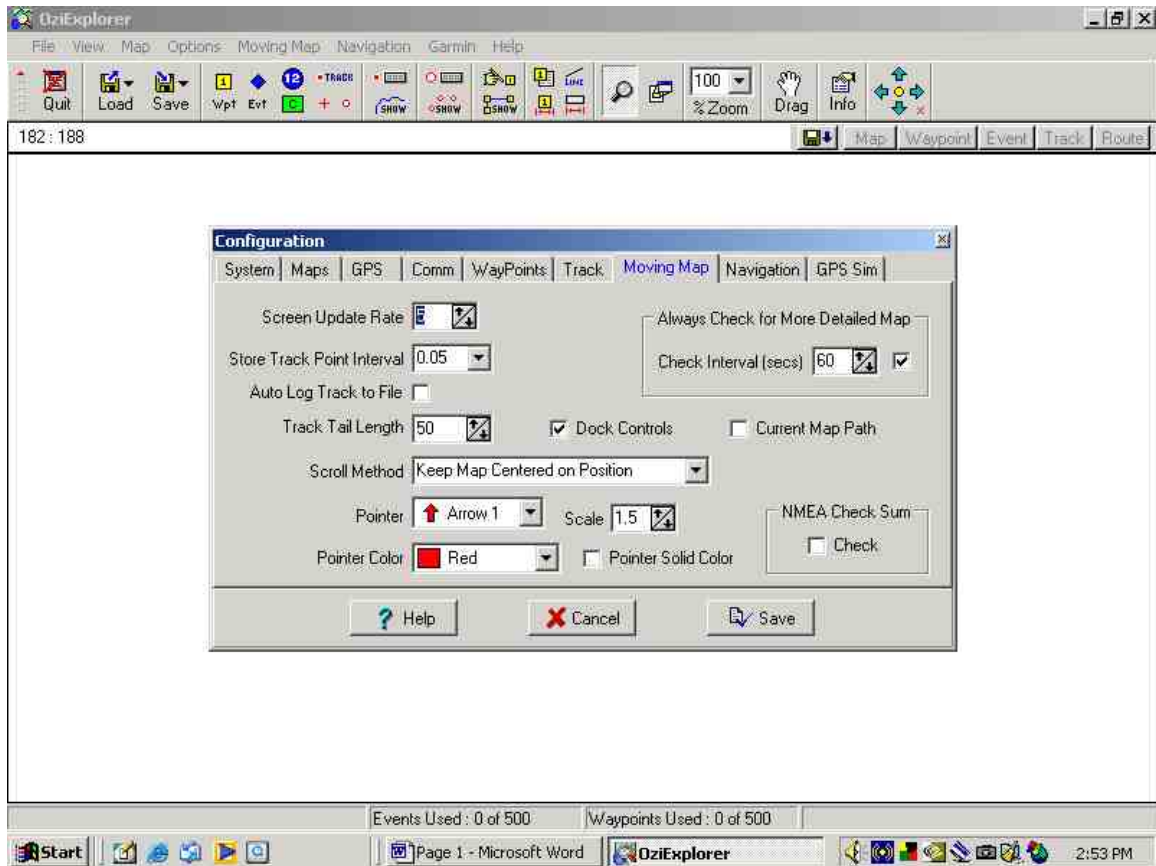
## **TRACK TAB**

**Default Track Color**      **red**

**Default Track Width**      **2**

**Track Control**      **Initial size**      leave blank

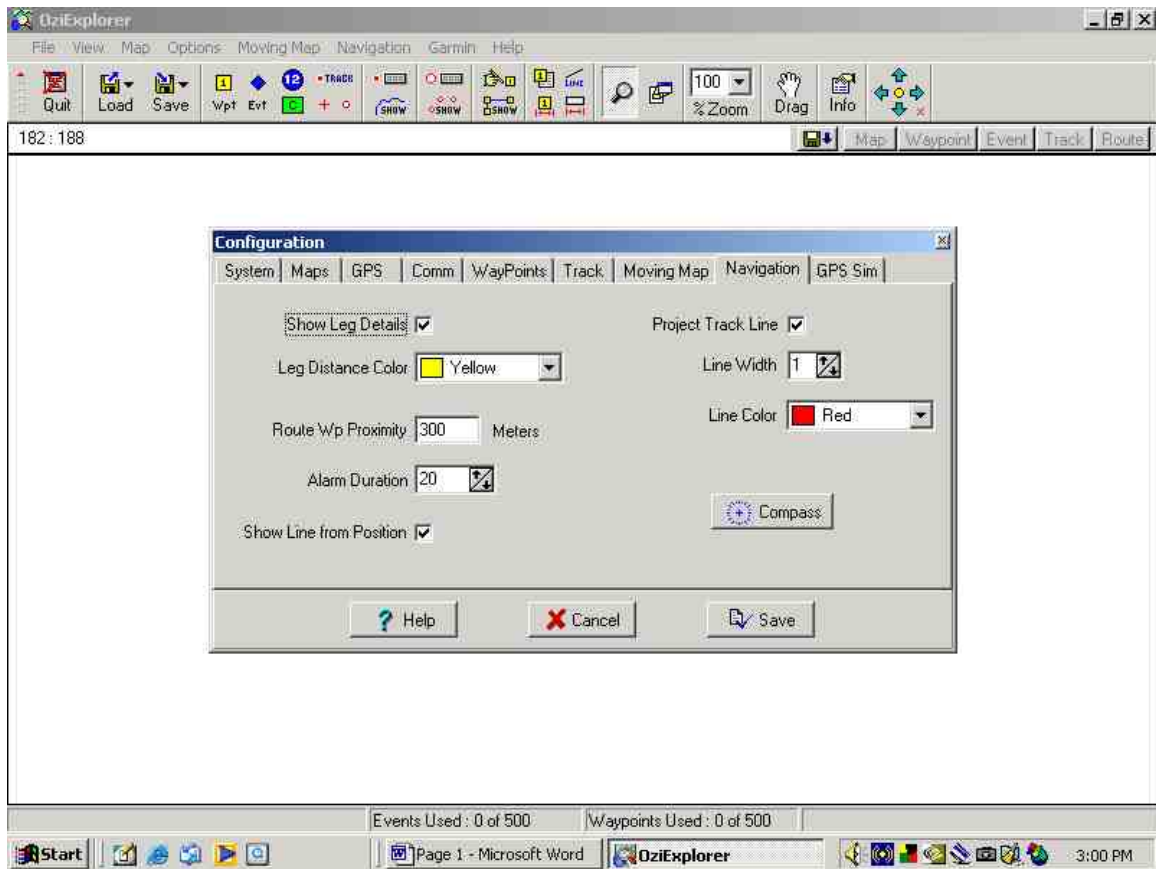
Click "SAVE"



## MOVING MAP TAB

Screen Update Rate	5
Store Track point interval	0.05
Always Check Detail Map	Check Intervals 60 and a check mark
Auto Log Track to File	leave blank
Track Tail Length	50
Dock Controls	check mark
Current Map Path	leave blank
Scroll Method	Load Map Centred On Position
Pointer	Arrow 1
Scale	1.5
Pointer color	Red
Pointer Solid Color	leave blank
NMEA Check Sun	leave blank

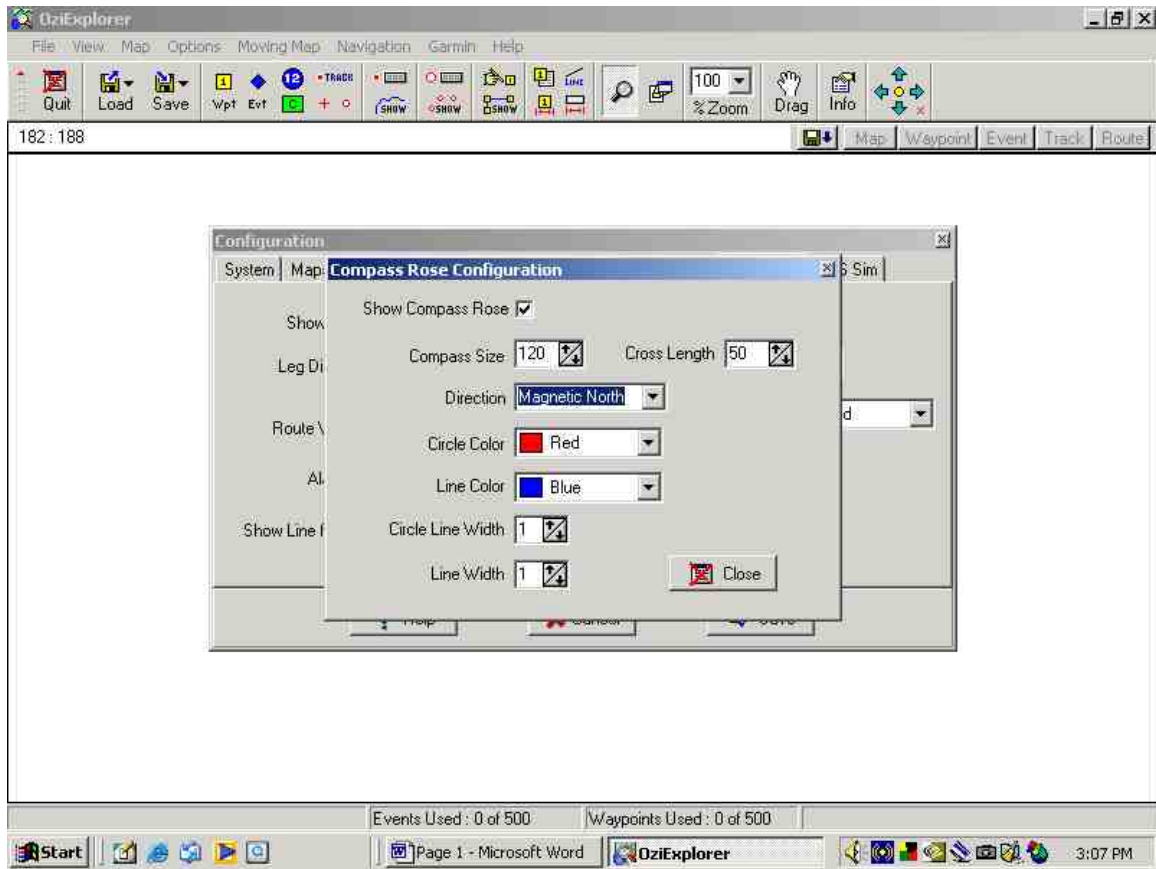
Click "SAVE"



## NAVIGATION TAB

<b>Show Log Detail</b>	check mark
<b>Project Track Line</b>	check mark
<b>Leg Distance Color</b>	<b>Yellow</b>
<b>Line Width</b>	<b>1</b>
<b>Route Waypoint Proximity</b>	<b>300 meters</b>
<b>Line Color</b>	<b>Red</b>
<b>Alarm Duration</b>	<b>20</b>
<b>Show Line From Position</b>	check off
<b>Compass</b>	for now do not activate

Click "SAVE"



**To set up COMPASS ROSE**      click on Icon

**Show Compass Rose**              check mark

**Compass Size**                      **120**

**Cross Length**                      **50**

**Direction**                          **Magnetic North**

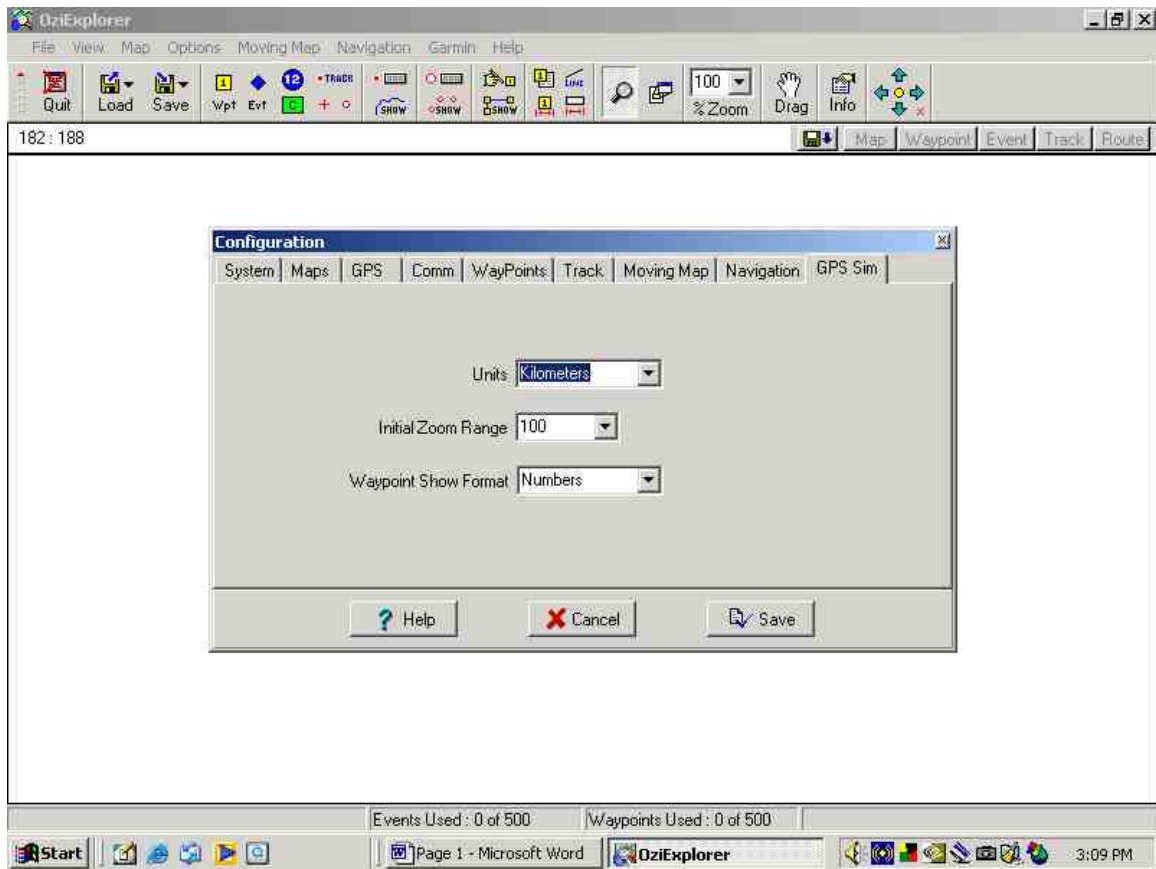
**Circle Color**                      **Red**

**Line Color**                         **Blue**

**Circle Line Width**                **1**

**Line Width**                        **1**

“Close” to save



### **GPS SIMULATOR TAB**

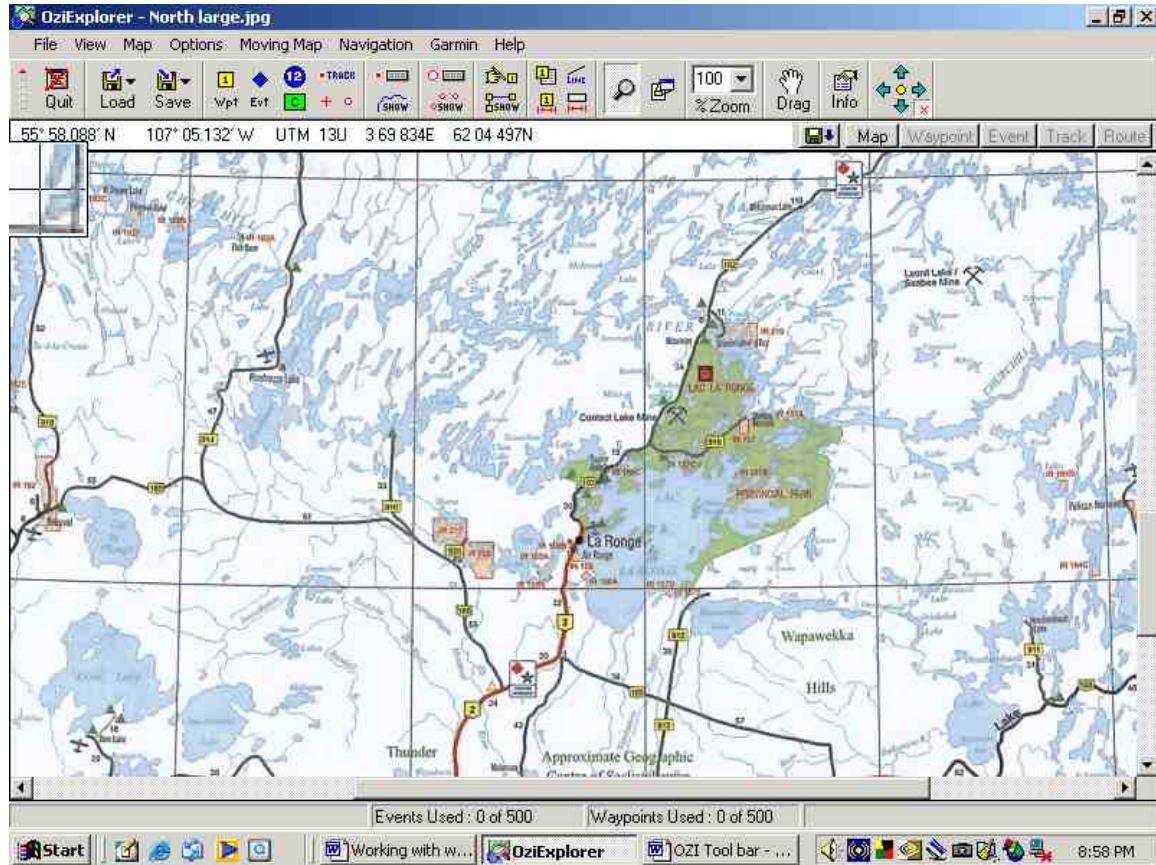
<b>Units</b>	<b>Kilometers</b>
<b>Initial Zoom</b>	<b>100</b>
<b>Waypoint Show Format</b>	<b>Numbers</b>

Click "SAVE"

*Congratulations your OZI has been downloaded and configured"!!*



## WORKING WITH OZI TOOL BAR



**\* Note: this is not a current example as OZI is often upgraded, however the basics remain the same, usually only new features are added.**

- File** – you are familiar with as we have been using parts of it
- View** - allows us to use various waypoint, route and track control boxes, most are repeated as icons in the next tool box
- Map** – allows you to create a blank map, set up grids, or clear waypoint routes tracks etc from the map
- Options** – changes screen color for night and does area calculations
- Moving map** – for setting up moving map
- Navigation** – used with GPS Simulation
- Garmin** - or selected GPS- used for uploading/down loading to and from the GPS
- Help** – as you know is where you enter the registration code.

## ICON TOOL BAR

- Quit** - is when you want to exit OZI
- Load** - is to load maps, waypoints, routes, tracks and things
- Save** - is for saving maps, waypoints, routes, tracks and things
- Waypoint** - is for creating waypoints. They are self numbering and are set wherever you click.
- EVT** - is for an event which places a symbol on the map which can be edited.
- Blue circle with a number** - is a map feature. It can have a comment, picture and a symbol
- Green box with a C** - is a comment box which can be placed anywhere and edited
- Track box** - click on it and you can create a track on the map
- +** - is to mark positions and distance and bearing will appear
- o** - is to create a point. Right click on the point and select Show Compass, a compass rose will appear. Right click again and deselect to remove.
- Red dot and box with 3 dots** - show/ hide track control. This allows you to work with tracks
- Blue line and word show** - will show or hide the tracks on the map
- Red circle with box and 3 dots** - show or hide point control
- 3 dots and the word show** - shows or hides points on the map
- hand with pointer and number 1** - is the route editor. This is where you down/up load routes to and from a GPS
- 3 yellow squares and the word show the number one and a list** - shows or hides routes on the map
- the number 1 in yellow square with red arrows** - shows the waypoint list
- the word line in blue** - will show distance between waypoints
- box with red arrows** - shows a line between position and cursor
- Magnifying glass** - shows distance and bearing between clicks
- Map symbol** - turns on and off the mag window
- Zoom** - turns on and off the insert map
- Drag** - self explanatory
- Info** - click on it to get the hand and drag the map
- 4 arrows** - shows some setting from the configuration
- click on the arrow shows a list of maps next to the one you have on screen, the center dot will list other maps you may have for same location, the red X locks OZI to look for maps using the current path
- Map, waypoint, event track route boxes,** if they are red it means you have not saved the information, if they are grey the data has been saved.

**NOTE:** as you move the cursor the Lat & Long and UTM is displayed.