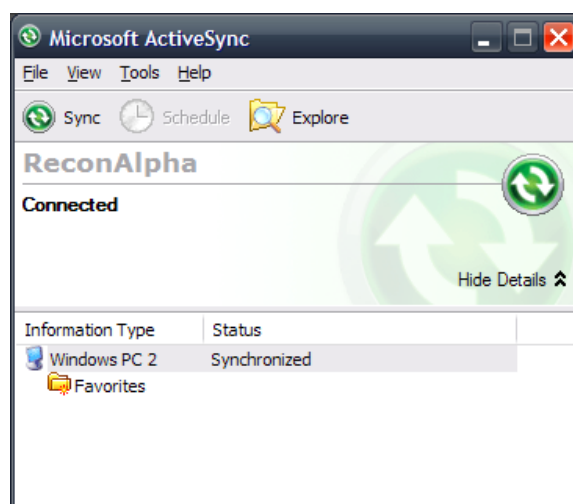# NOMAD

Getting ready to go out and record sites: Uploading Maps onto the Nomad

1. Turn on the Dell computer, the screen should look like this. The tools for uploading are on the left side of the screen.

2. **Turn off all programs on the Nomad, then connect it to the Dell with the USB cable** and turn the Nomad on (if it is not already). This ActiveSync window will appear. The ActiveSync window should appear like this on the laptop screen showing that the NomadAlpha handheld is connected to the laptop (nothing will show on the handheld, this is normal). If the window shows 'connecting' or takes a very long time to show 'connected' (more than two minutes), then turn **off** the handheld, unplug the USB cable and reboot the handheld (press and hold the on/off button for about 5 seconds, until the onscreen boot countdown is complete), restart the laptop and then repeat.

3. Now that the connection is established (it's a good idea to recharge the Nomad battery at this time by plugging in the power plug), we can select the map to put on the Nomad. **Double-click '1. Select Map'** on the desktop, this opens the program with the maps.
**Wait** a few moments for the program to open, it can take a minute or two.

4. **Use the zoom** ⊕ ⊖ **and pan** ✋ **tools to display the area to be surveyed in the map window**. The map that is displayed onscreen will be the extent of the map available on the Nomad. To see the scale of the map view, click on the 'layout' button down on the lower left of the screen. You can also use the 'ruler' tool to measure directly on the map. Before the next step, return to the map view by clicking on the 'map' button down on the lower left of the screen, next to the layout button.

map   layout

ruler
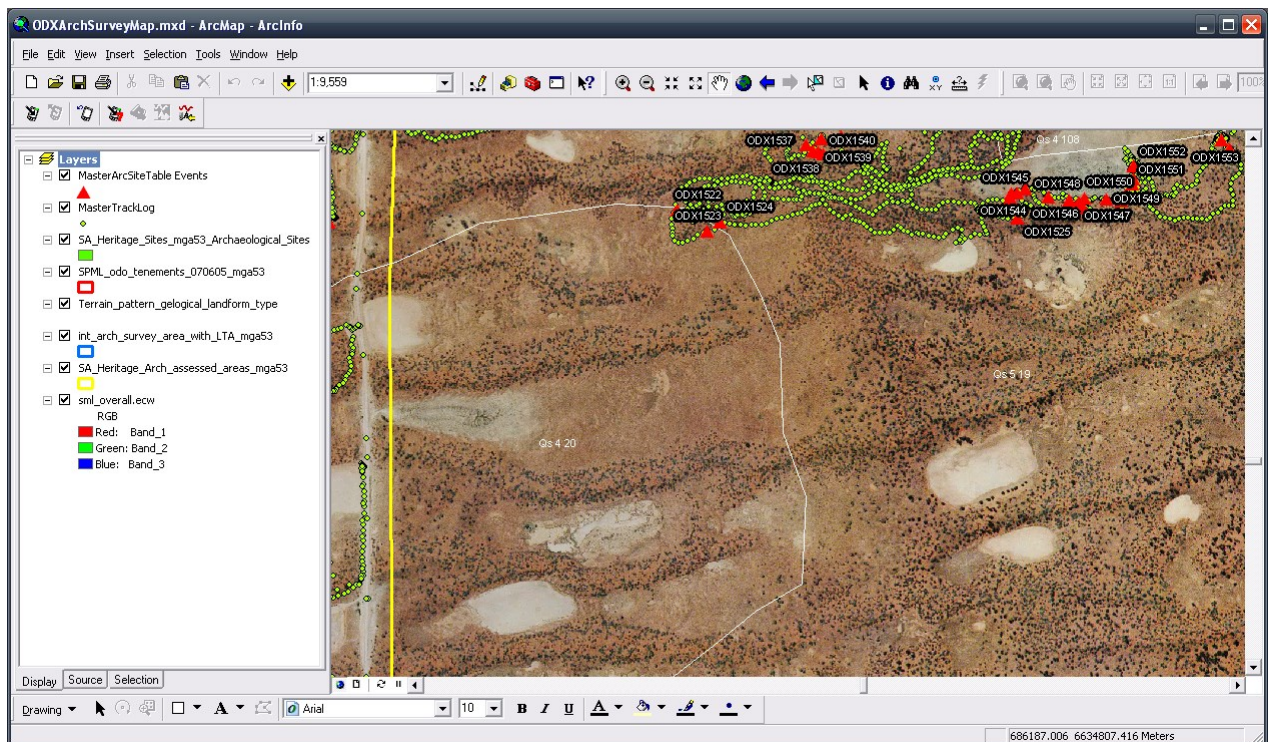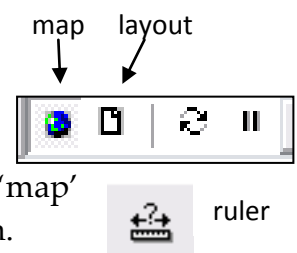
5. When you've got the area displayed that you need for the day's survey, **click the button 'Get Data for ArcPad 7'** on the upper left of the window.

2

6a. This window will appear. **Click 'Select All and the click 'Next'**
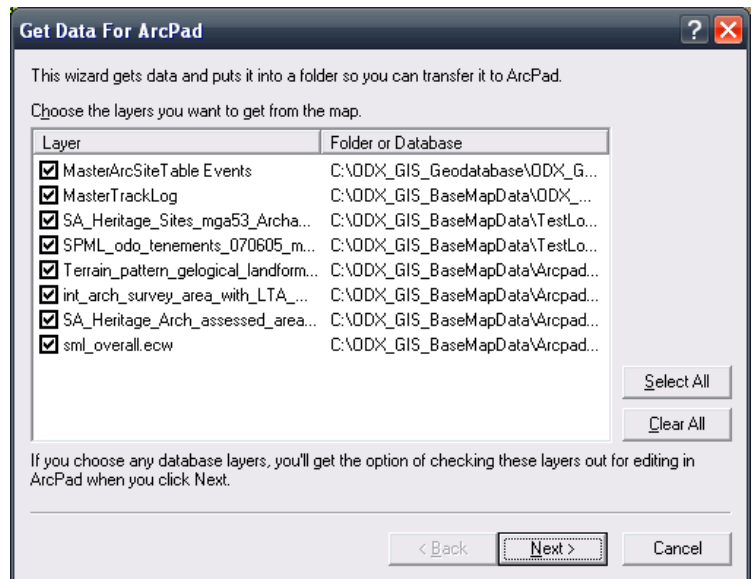
6b. A similar second window will appear, do the same: **Click 'Select All and the click 'Next'**

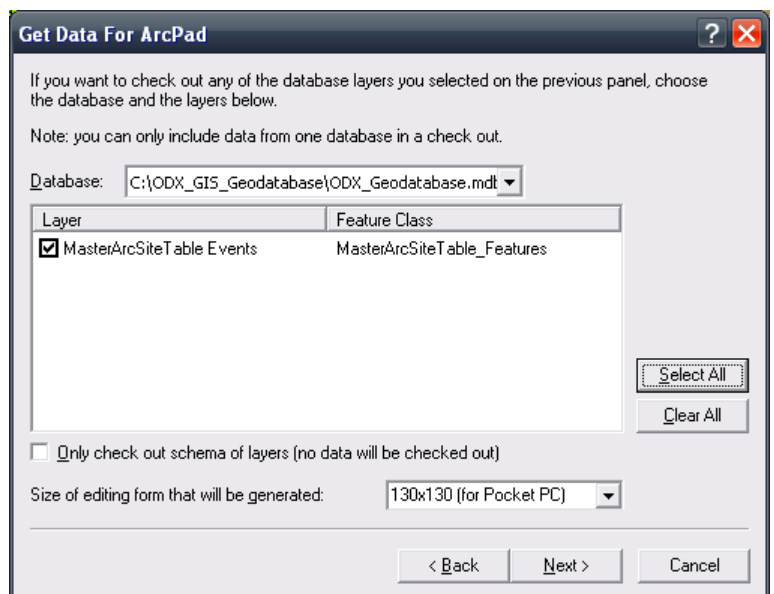7. The next window asks for some details. **Change the name of the folder**, for example, NA071225 is for NomadAlpha on Christmas day of 2007 (so the date format is yymmdd). Insert the date that the data is to be used.

Click on the folder button to choose the location to save the map. **Browse to the folder ODX_GIS_SurveyDataOut_2008** in Local Disk (C:) and click 'OK'

Click 'Finish'

Wait...

8. **Wait.** The program will be busy for some time (up to 5 minutes) and will not always show you that it's working. Best not to attempt to do anything else with the computer at all until you see this window showing that it's finished. Check to see that everything was successful (if not, try again but zoom in further on the map so that the image file will be smaller). **Click 'OK'**
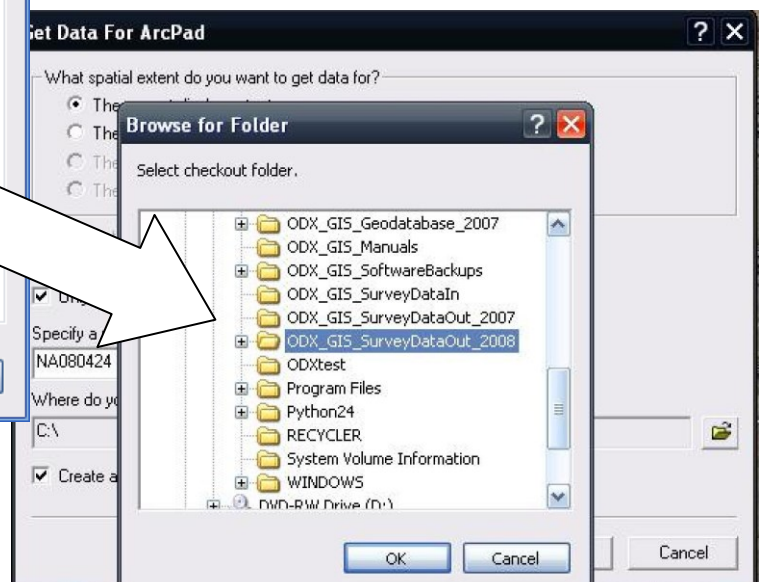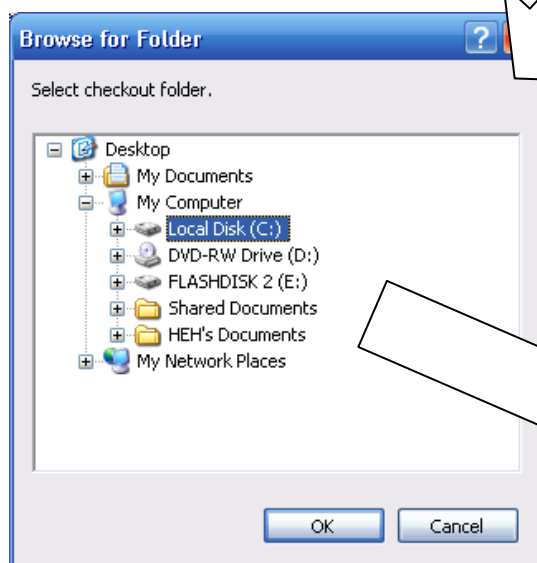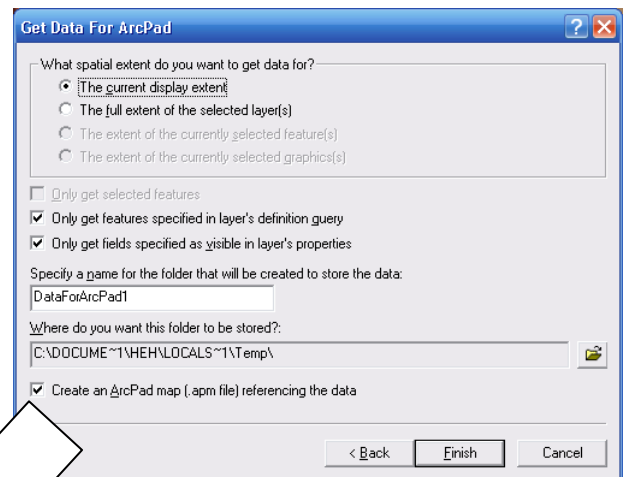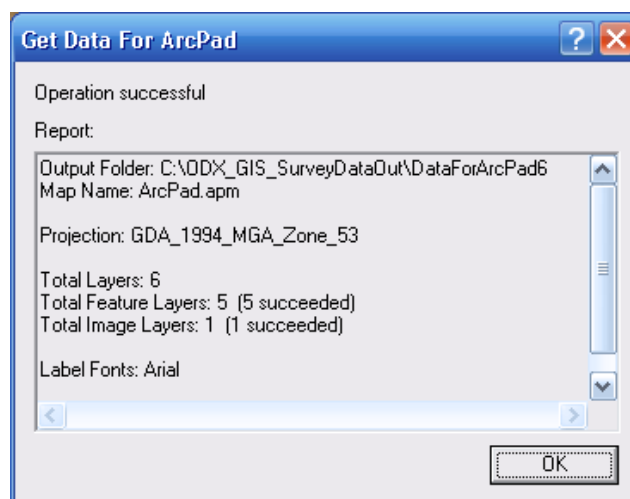
9. **NOTE!** The screen usually freezes and you must click on the hand tool then move the map a fraction to unfreeze it. You will know it worked because the globe at the bottom right will spin then disappear.

10. Now **close the program** and click 'Yes' to save.
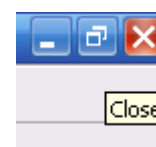
NOTE: only do this if you have completed step 9 and the globe has disappeared.
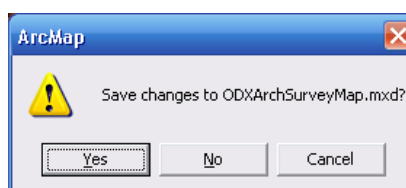
11. On the desktop, **double-click on '2. Map files to upload to the Nomad'**. This will show the map files ready to be uploaded.
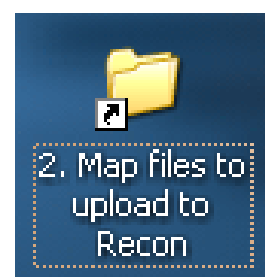
12. Also on the desktop you should see the ActiveSync window, **click on 'Explore'** to open the Nomad
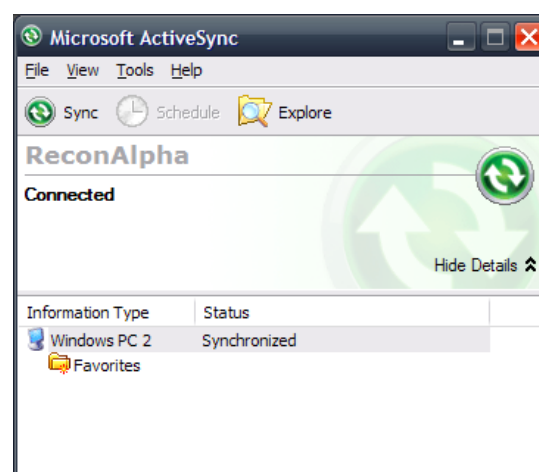
13. **Go to the Root directory** called 'Mobile Device'

14. **Drag and drop** the folder with the new map data (in this example it's NA080419) **from the Dell to the Nomad root directory**

15. This window **may** appear, **click 'OK'** If it doesn't appear, don't panic.

File Conversion

Microsoft ActiveSync may need to convert files when synchronizing between your mobile device and this desktop computer.

Note: A converted file might not contain all information found in the original file.

OK   Help

Wait. The files will be converted and transferred. It shouldn't take long. Don't touch anything.

Copy & Convert to mobile device format...

SA_Heritage_Sites_mga53_Archaeological_Sites

Conversion (None)

Copying (from 'RA071225' to 'RA071225')

Cancel

16. On the desktop, **double-click the folder '3. Upload recording forms'**

Then double-click on the folder Nomad A (or Nomad B)

3. Upload recording forms

ReconRecordingForms

File Edit View Favorites Tools Help

Back   Search Folders

Address C:\ODX_GIS_SoftwareBackups\ReconRecordingForms   Go

Name	Size	Type	Date Modified
2007 forms		File Folder	18/04/2008 4:53 PM
NomadA		File Folder	14/04/2008 10:49 AM
NomadB		File Folder	14/04/2008 10:49 AM
ReconA		File Folder	14/04/2008 10:49 AM
ReconB		File Folder	14/04/2008 10:49 AM

File and Folder Tasks
Make a new folder
Publish this folder to the Web

Other Places
ODX_GIS_SoftwareBackups
My Documents
Shared Documents
My Computer
My Network Places

Details
ReconRecordingForms
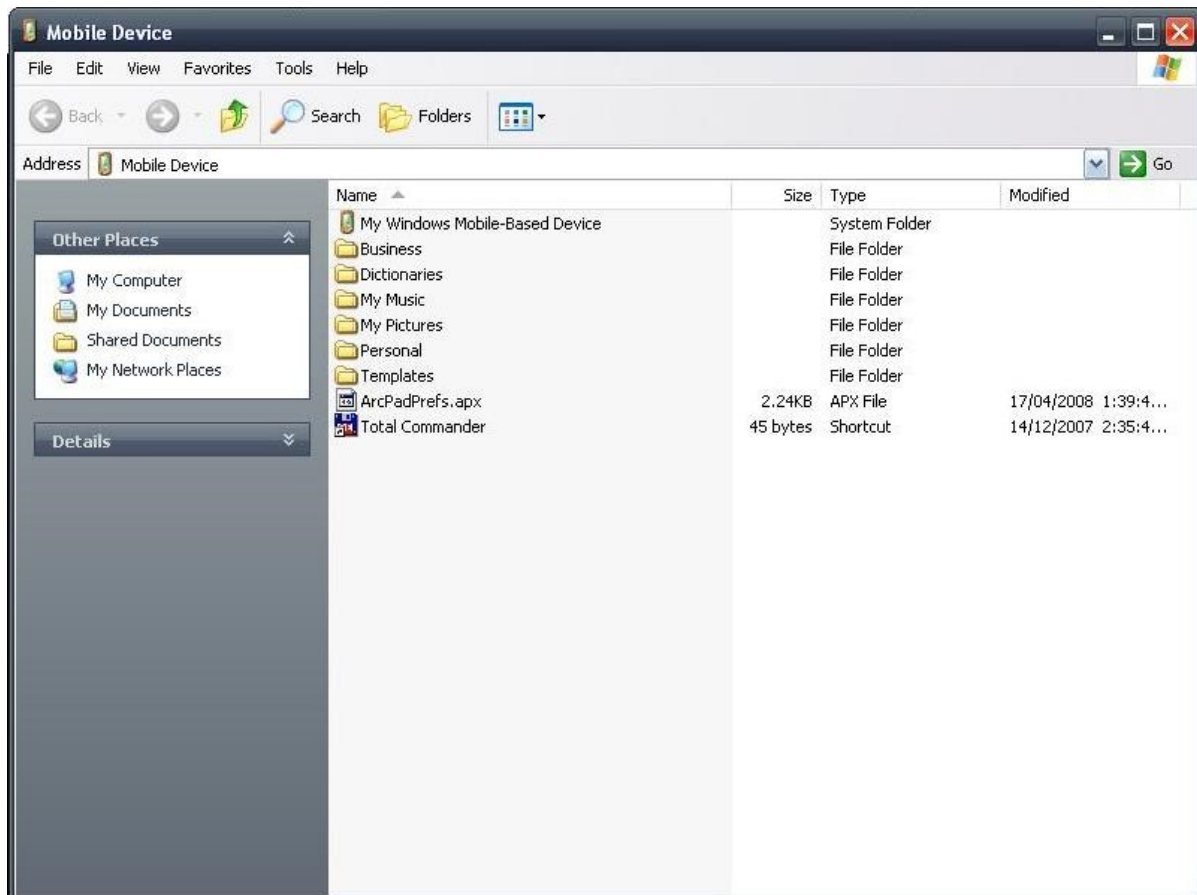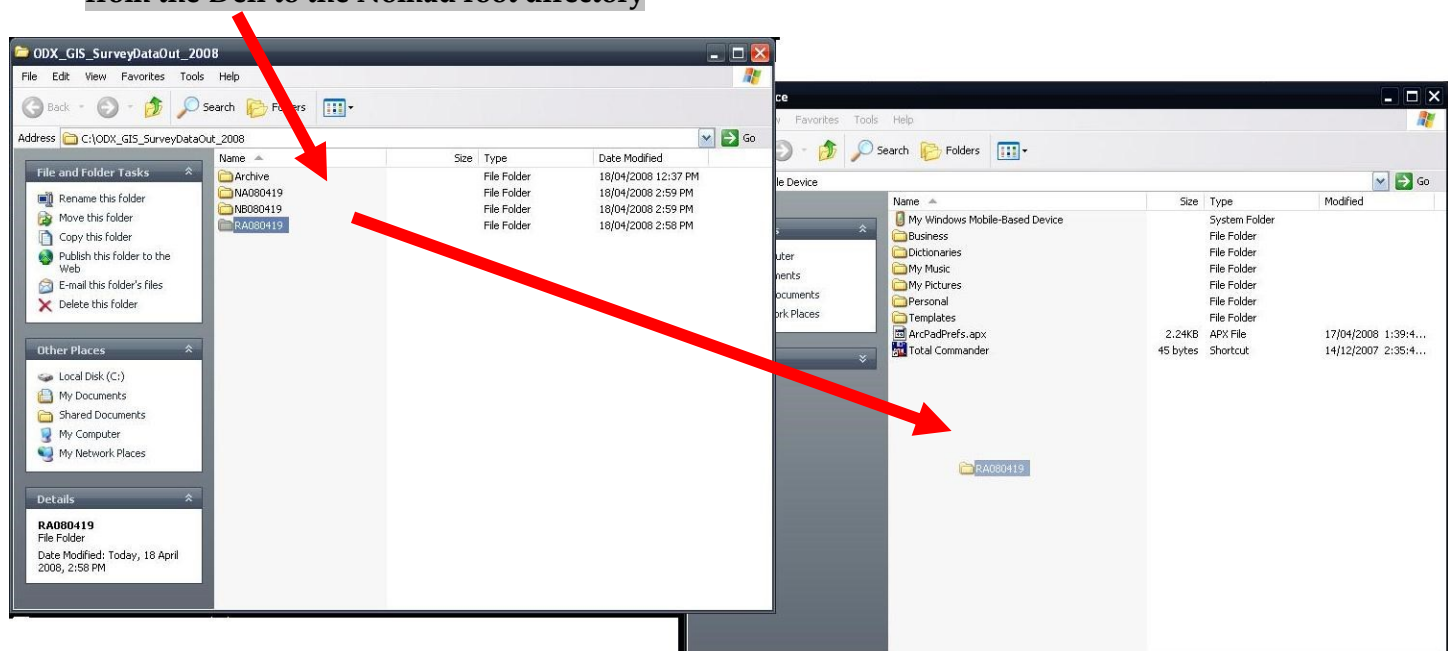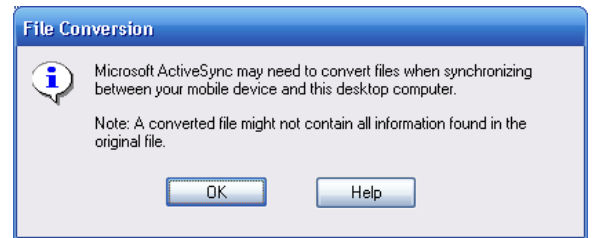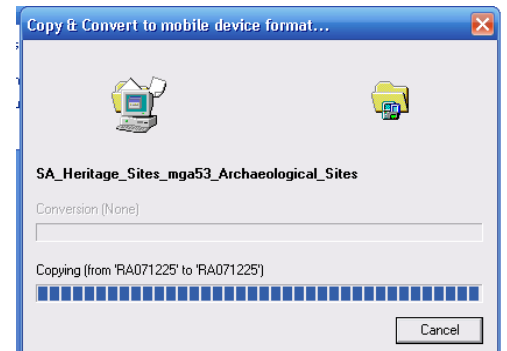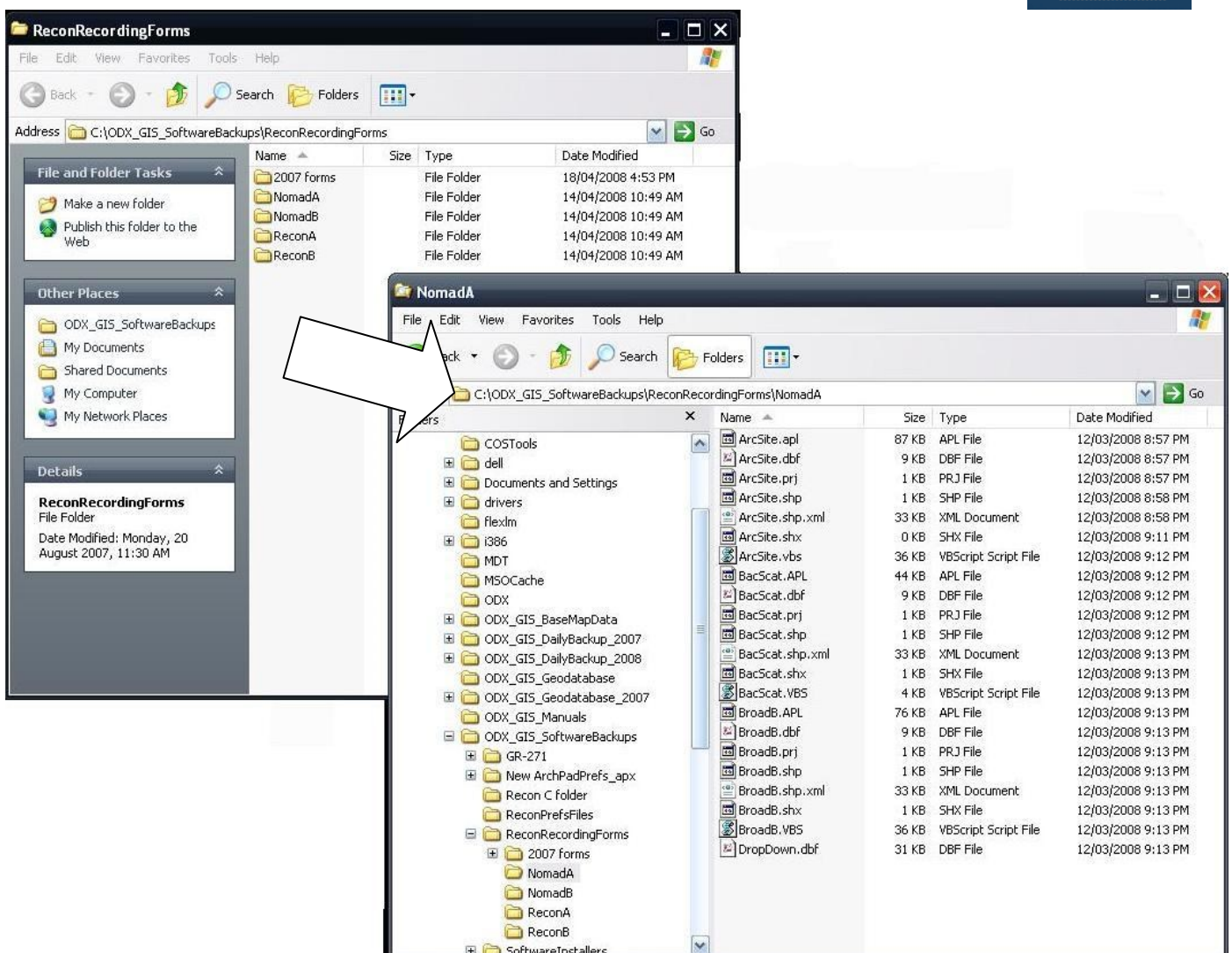File Folder
Date Modified: Monday, 20 August 2007, 11:30 AM

NomadA

File Edit View Favorites Tools Help

Back   Search Folders

C:\ODX_GIS_SoftwareBackups\ReconRecordingForms\NomadA   Go

Folders
COSTools
dell
Documents and Settings
drivers
flexlm
i386
MDT
MSOCache
ODX
ODX_GIS_BaseMapData
ODX_GIS_DailyBackup_2007
ODX_GIS_DailyBackup_2008
ODX_GIS_Geodatabase
ODX_GIS_Geodatabase_2007
ODX_GIS_Manuals
ODX_GIS_SoftwareBackups
GR-271
New ArchPadPrefs_apx
Recon C folder
ReconPrefsFiles
ReconRecordingForms
2007 forms
NomadA
NomadB
ReconA
ReconB
SoftwareInstallers

| Name	Size	Type	Date Modified
ArcSite.apl	87 KB	APL File	12/03/2008 8:57 PM
ArcSite.dbf	9 KB	DBF File	12/03/2008 8:57 PM
ArcSite.prj	1 KB	PRJ File	12/03/2008 8:57 PM
ArcSite.shp	1 KB	SHP File	12/03/2008 8:58 PM
ArcSite.shp.xml	33 KB	XML Document	12/03/2008 8:58 PM
ArcSite.shx	0 KB	SHX File	12/03/2008 9:11 PM
ArcSite.vbs	36 KB	VBScript Script File	12/03/2008 9:12 PM
BacScat.APL	44 KB	APL File	12/03/2008 9:12 PM
BacScat.dbf	9 KB	DBF File	12/03/2008 9:12 PM
BacScat.prj	1 KB	PRJ File	12/03/2008 9:12 PM
BacScat.shp	1 KB	SHP File	12/03/2008 9:12 PM
BacScat.shp.xml	33 KB	XML Document	12/03/2008 9:13 PM
BacScat.shx	1 KB	SHX File	12/03/2008 9:13 PM
BacScat.VBS	4 KB	VBScript Script File	12/03/2008 9:13 PM
BroadB.APL	76 KB	APL File	12/03/2008 9:13 PM
BroadB.dbf	9 KB	DBF File	12/03/2008 9:13 PM
BroadB.prj	1 KB	PRJ File	12/03/2008 9:13 PM
BroadB.shp	1 KB	SHP File	12/03/2008 9:13 PM
BroadB.shp.xml	33 KB	XML Document	12/03/2008 9:13 PM
BroadB.shx	1 KB	SHX File	12/03/2008 9:13 PM
BroadB.VBS	36 KB	VBScript Script File	12/03/2008 9:13 PM
DropDown.dbf	31 KB	DBF File	12/03/2008 9:13 PM

17. **Select all files** in the **Nomad A** or **Nomad B** folder on the Dell (press Control-A) then **drag and drop** into the folder with the day's survey data in the root directory (in this example it's NA071225). These files contain the archaeological recording forms
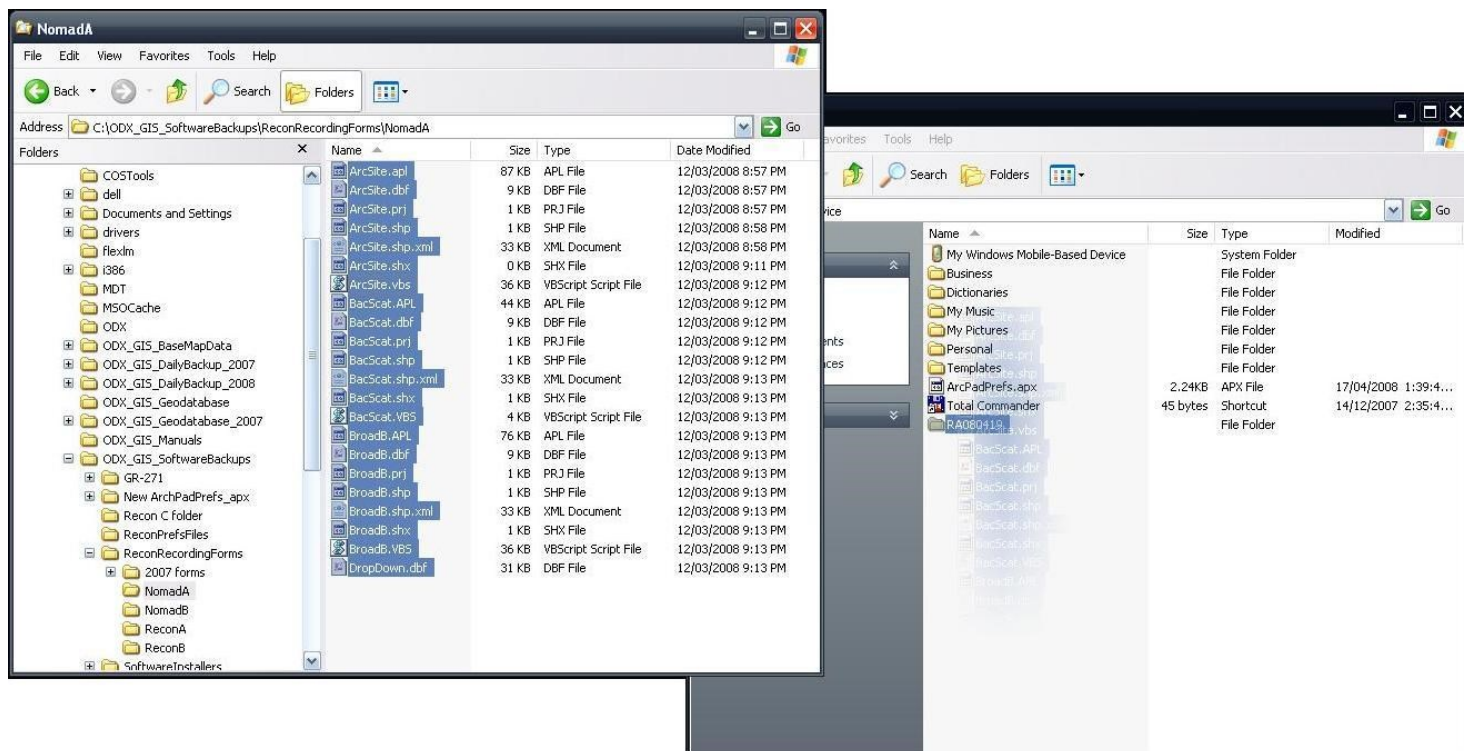
Wait. The files will be converted and
transferred. It shouldn't take long. Don't touch anything.
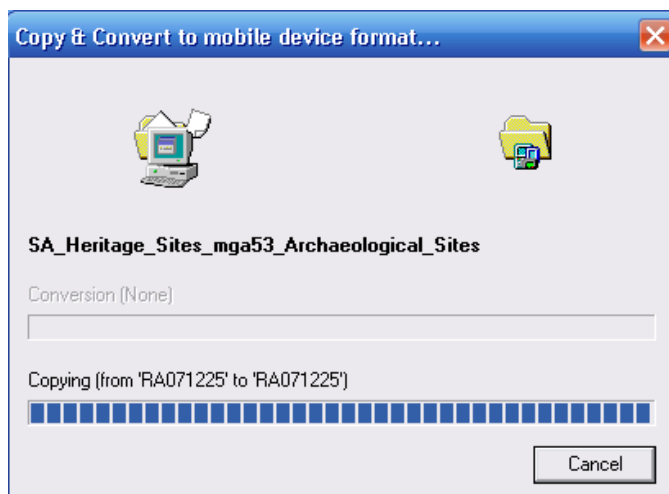
18. If you feel confident, to save time for the upload to the second Nomad you can simply change the file name in ODX_GIS_SurveyDataOut from NAxxxxxx to NBxxxxxx (or vice versa) and then drag that folder onto the Nomad root directory. You will still need to put on the recording forms specific to that Nomad, don't change any folder names here!

19. When it's finished, close all windows on the desktop, disconnect the Nomad and turn off the Dell. Ready to go!