# 2 Windows Set Up

The Warrior well logging system runs in the Microsoft Windows operating system. This gives the user many powerful tools and facilities not previously available in an inexpensive logging system. One of the principle advantages is that the system is multitasking, meaning that several programs (or tasks) may be running on one computer at the same time. Within the Warrior system, for example, several different log plots may be displayed independently on the screen and other logs may be directed to plotters. Headings may be prepared, and final log presentations set up, all while continuing to acquire data.

Another advantage of the Windows environment is the graphical user interface, which presents the functions available in the system in an easy to understand manner (well, fairly easy). While the simple interface makes the Warrior easy and fast to operate, the full power of the system can only be realized when an understanding of MS Windows itself has been acquired. It is therefore strongly recommended that, after some initial experimentation with the system, the Windows User Guide is studied and the Windows Tutorials run. Courses are also available on videotape, and other media, from many sources.

## 2.1 Windows Printer Setup

To be able to produce a hardcopy of your data from the Warrior software, a Windows printer must first be installed. The Warrior software includes the capability to print / plot to common plotters while logging but the software uses the Windows spooling to buffer the plotter output. Other plotters may be used to plot logs through Windows after data recording as stopped.

#### 2.1.1 Windows 7 Printer Installation

To facilitate this operation a USB Port has been assign on the Interface Panel (rear Plate) and marker "Plotter". It is recommended to use this USB port for your printer connection. With the printer turned off, plug in the USB cable or USB to Centronix Printer Adapter cable into the USB port. Make sure that the USB cable from the computer to the Interface Panel is properly connected. Turn the Printer On.

Windows will often install printer driver automatically. To see if Windows has installed the printer, click on the Windows start button and then click on the Device and Printers selection. To aid in automatic printer installation,



Fig. 2.1.1 Windows Start Button and Devices and Printers selection

Look in the Printers and Faxes section and see if the printer that you have connect has been automatically installed. If it hasn't been, then Windows drivers will have to be installed manually. At this point the manufacturer's drivers must be available. Drivers for black and white plotters normally supplied by Scientific Data Systems, such as Printrex and ISYS, are on the Warrior installation DVD.

🔾 🗸 🗟 🕨 Control Panel 🕨 Hardware and	Sound > Devices and Printers >		- 49 Search Devices and 🔎
File Edit View Tools Help			
Add a device Add a printer			E - 0
Devices (5)			^
Flash Disk JERRYDESKTOP-P NECK	LCD93VX Sceptre X24WG USB Receiver		E
<ul> <li>Printers and Faxes (10)</li> </ul>			
Brother MC-73200 Brinter	Fax Kyocena CS-C3225 (KPDL) Document Writer	NeuraLaserColor Nitro PDF Creator Printres 843 Network	progeSOFI JPG Printer 2010 Send To OneNote 2010
16 items			

Fig. 2.1.2 Click on Add a printer

Place the CD /DVD or other media containing the device drivers in the computer so that they are available when required during the printer installation. Click on Add a Printer in the Windows Devices and Printers window.

#### Click on the Add a local printer selection



Fig. 2.1.3 Add a local printer

Click on the Use existing port selection, then drop down the scroll down printer port list to the right of the selection until you find USBxxx (Virtual printer port for USB). There may be several USB virtual printer ports, typically the highest numbered one is the last device that was plugged in to a USB Port. After selecting a USB port click the **[Next]** button.



Fig. 2.1.4

The next step is to select the location of the printer driver to be installed.

🚱 🖶 Add Printer		31	Marrior	×	
Install the printer driver Choose your printer from the list. Click Windows Update to see more models.					
To install the driver from an	installation	CD, click Have Disk.			
Manufacturer	Printers	er DCP-116C		- î	
Canon	Broth	er DCP-117C			
Epson	🔄 Broth	er DCP-128C			
Fuji Xerox 👻	🔄 Broth	er DCP-129C		-	
This driver is digitally signed. <u>Tell me why driver signing is important</u>					
			Next Ca	incel	

Fig. 2.1.5 Click [Have Disk]

The list on the left side of the window are printer manufacturers that Microsoft supports or that have previously been installed on the computer. Check the list to see if the manufacturer is in the list. If it is not in the list, click on [Have Disk ...].



Fig. 2.1.6 Plotter Manufacturer Installation disk

Click on the [Browse ...] button to locate the drivers for the printer. The Warrior Installation CD contains drivers for the plotters that Scientific Data Systems has supplied.

Look in: 🔰 win_2kxp 🔽	G 🤌 📂 🛄 🗸		
Name Beskton	Date modified	Туре	Si 1
Chi Network Chi Libraries Dan Utranic Computer OS (C:) Engl Chi Chi Chi Computer OS (C:) Engl Chi	12/17/2009 9:30 AM 12/17/2009 9:30 AM	File folder File folder	
Non     O1 Neuralascr Color Printer Driver     Poli     Printer     Drivers     Neuralog_X64     drivers     Russ     print     Spar     Warrior 8.0	12/17/2009 9:30 AM 12/17/2009 9:30 AM 12/17/2009 9:30 AM 12/17/2009 9:30 AM 12/17/2009 9:30 AM 12/17/2009 9:30 AM	File folder File folder File folder File folder File folder File folder	
Warrior releases           File name:         NGABR640.inf		-	▶ Open

Fig. 2.1.7 Warrior CD

Click the Look in: drop down list in the Locate File window to find the Warrior Installation CD in the computer CD / DVD Drive and double click on it.

Look in: Contraction (D:) SCH 111116	- 🗿 🕖 🗁 🛄 -		
Name	Date modified	Туре	S
Files Currently on the Disc (16)			
📕 ASPI Drivers For DAT Tapes	11/16/2011 8:48 AM	File folder	
Dirochure Brochure	11/16/2011 8:48 AM	File folder	
腸 Cable to Go USB to Serial Adapter Drivers	11/16/2011 8:48 AM	File folder	
J DOC	11/16/2011 8:48 AM	File folder	
J Modifications	11/16/2011 8:48 AM	File folder	
J PdfFiles	11/16/2011 8:48 AM	File folder	
DROG	11/16/2011 8:48 AM	File folder	
NESOURCE	11/16/2011 8:49 AM	File folder	
퉬 Vendor Manuals	11/16/2011 8:49 AM	File folder	
Julie Videos	11/16/2011 8:49 AM	File folder	
Uarrior Device Drivers	11/16/2011 8:49 AM	File folder	
Warrior Engineering Bulletins	11/16/2011 8:49 AM	File folder	
B Warrior Manuals	11/16/2011 8:49 AM	File folder	
Warrior Software v7.0	11/16/2011 8:49 AM	File folder	
Windows Printer Drivers	11/16/2011 8:49 AM	File folder	
Autorun.inf	10/10/2008 2:30 PM	Setup Information	
٠ [ ١١١			۲
File name: Autorun inf		- Op	en
			0.00.07

### Fig. 2.1.8

On the Warrior CD, locate the Windows Printer Drivers folder and double click on it.

Look in: 🔒	Windows Printer Drivers	- G 🤌 🕫 🗔 -		
Name	A.	Date modified	Туре	Siz
Files Curre	ntly on the Disc (6)			
🕌 BELKIN	USB PRINTER CABLE	11/16/2011 8:49 AM	M File folder	
鷆 Gulton 2	275	11/16/2011 8:49 AM	M File folder	
퉳 iTerraLit	te XP, <mark>2000</mark> Ver1,0,0,3	11/16/2011 8:49 AM	M File folder	
Printrex		11/16/2011 8:49 AM	M File folder	
🍌 Veritas		11/16/2011 8:49 AM	M File folder	
Warrior Tiff Driver		11/16/2011 8:49 AM	File folder	
٠		m		
< ile <u>n</u> ame:	Autorun.inf		-	Open

Fig. 2.1.9

Select the plotter manufacturer and double click on that folder.

Locate File		-		x
Look in: 🌗	Printrex 👻	o 🌶 🖻 🛄		
Name	*	Date modified	Туре	Size
Files Currer	tly on the Disc (3)			
amd64		11/16/2011 8:49 AM	File folder	
<b>i</b> 386		11/16/2011 8:49 AM	File folder	
Prxprint.	nf	9/2/2008 3:14 PM	Setup Information	
•				•
File <u>n</u> ame:	Autorun.inf		▼ Ope	n
Files of type:	Setup Information (*.inf)		- Cano	el

Fig 2.1.10

When the proper .inf, or setup information file has been located, click the file and then click on the [Open] Button.

J	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	ОК
		Cancel
	Copy manufacturer's files from:	
	D:\Windows Printer Drivers\Printrex	Browse

Fig 2.1.11

This should return you to the Install from Dick window with the folder with the manufacturers files selected. Click the [OK] button to continue.

	triver		
Choose your j	printer from the list. Click Windo	ws Update to see more mo	dels.
To install the	driver from an installation CD. cl	ick Have Disk.	
Printers			1
Printrex 840DL			
Printrex 840DL (201	Y DPI)		
parameter and a second s			
Printrex 840DL/G			
Printrex 840DL/G			
Printrex 840DL/G Printrex 842 Duinter 842	Authenticode(tm) signature.	Windows Update	Have Disk

Fig. 2.1.12 Selecting printer

You should now have a drop down list of the manufacturers printers. Scroll down the list to find the model of the printer that in being installed and click [Next].

	📄 🖶 Add Printer			
	Type a printer name Printer name: Printrex 840DL/G			
	This printer will be installed with the Printrex	(840DL/G driver.		
e			Next	Cancel

Fig. 2.1.13

Either enter a new printer name or accept the printer name Windows has assigned by clicking the [Next] button.

🖶 Add Printer		
Printer Sharing		
If you want to share this printer, you n type a new one. The share name will b	nust provide a share nan se visible to other netwo	me. You can use the suggested name or vrk users.
O not share this printer		
Share this printer so that others on	your network can find a	and use it
Share name:	30	
Location:		
Comment:		
		Next Conc
		Next Canc

Fig. 2.1.14

Warrior will not print through a shared printer (Warrior does print through network printers) so select the Do not share this printer option and then click [Next].

🕞 🖶 Add Printer		×
You've successfully added Printre	x 840DL/G	
Set as the default printer		
To check if your printer is working properly, test page. Print a test page	or to see troubleshooting info	ormation for the printer, print a
		Finish Cancel

Fig. 2.1.15 Finish printer installation

If this is the only printer to be used on the computer, click the Set as the default printer check box. If no other printers are attached to the computer click the Set as Default printer selection.

## Add the installed Windows Printers into the Warrior Plotting Program

#### 3.3.2 Plotting – Printer Setup

There are two different plotting modes that Warrior software can use to plot data. In the Direct Print mode, printer drivers contained in the Warrior Software allow real time printing while acquiring data and use only the Windows spooling function. In Windows mode, the Warrior software prints the data through the Windows installed printer drivers. Windows mode should not be used for real time printing.

For good quality color prints, or to print to a printer that is not in the list of supported Direct Print mode printers, select the option Enable printing through Windows printer. If you have that option checked, then when you print from Warrior, you will see either (Direct) or (Windows) label for each printer in the list of printers to print to.

#### Direct to Printer

Printers supported for Direct printing by Warrior, also have Windows drivers, so when a Direct Printer is installed; the Windows driver must be installed as well for printer spooling. When selecting a printer name, as would be done during a printer selection in Windows programs, Warrior can use the port properties you set up for that printer through the standard Windows printer setup, so the port name doesn't have to be specified in two different places. When a Windows name is specified, then the Port Name doesn't need to be changed in Warrior, as it will use the same port that is set up through your standard Windows printer setup. When using Direct printing, settings, such as media type, plot speed, etc., are all controlled by Warrior software directly, not by the Windows printer driver.

Printers supported by Warrior Software for monochrome printing Direct: Printrex 820 and 820 DL and the 840 DL/G or 843 DL/G and 920 (<u>www.printrex.com</u>) ISys V8.5 or V8.5e (<u>www.isys-group.com</u>)

Printers supported by Warrior Software for color printing Direct: Epson Stylus Color 900 Epson Stylus Color 1520 Epson Stylus Color 3000 Epson Stylus Color C60, C80, C82, C84 HP DesignJet 750C, 1050C HP LaserJet 5L

In addition PDF and image (TIFF) file can also be made directly.

Installed Printers	- Windows Printing
Printer Names	Enable printing through Windows printer
Printrex.843	<b></b>
Name of this printer as seen by Windows printing Required if not printing to file	Have printer do orientation
Printrex 843 Properties	Origin for printing Gap to start of print ( inches )
Since you have a Windows printer selected, change your printer port from the Windows printer settings.	Windows page length is > 15     Image: Constraint of the sector of the sec
Port Name USB001  Dever Last Use with standard printer ports & SDS Buffe	Force black grid lines       Darkness for horizontal grid lines       1
Gridlines	Left margin ( inches )
Darkness for vertical grid lines	Source resolution (smaller = faster print )       Override printer bits/pixel setting
Install Remove Warrier Config	Windows Config Find This Printer on USB Port
Note: To print while logging you must print to one of the Direct printers	Color map         Printing help         Save Changes         Close

Fig. 3.3.3 Warrior Control panel Printer Setup

#### Printing through Windows Printing

While logging, it is possible to print to a Windows printer. However, printing hardcopy of your pass that you are currently logging is not possible do to windows printing full pages at a time. SDS cannot guarantee that all printers will work properly for making prints from Warrior, therefore a list of tested printers that are able to make continuous prints, is available. The Windows printing options are settings that may change from one printer to the next. However, most of the settings are set by SDS, so they should not be changed. Some printers place a large gap at the start of a print, so a print gap is added during start of print, so the first fan fold can be skipped and a distance can be added to get the <fold here> to come out in the right place.

When using Windows printing, settings, such as media type, plot speed, etc., are all controlled by the Windows printer driver.

#### 3.3.3 Plotting – Installing a Direct Warrior Printer

From the Warrior Control Panel, click the Plot tab. From the plot sheet, click on the [Printer Setup] button. From the Installed Printers window, select the [Install] button at the bottom of the page for a list of printers supported by Warrior for direct printing while logging.

Installed Printers		
Direct to Printer	Windows Printing	
Printer Names	Enable printing through Windows printer	
vvamor printer name		
Printrex843	Windows printing options for above printer	
Name of this printer as seen by Windows printing	Have printer do orientation	
Distant 942	Origin for printing	
	Gap to start of print (inches )	
Since you have a Windows printer selected, change your printer port from	Windows page length is > 15	
the Windows printer settings.	Length for headings, pictures, etc. (inches)	
Port	Force black grid lines	
	Darkness for horizontal grid lines	
Driver port Buffered Plotter Cards & USB parallel	Darkness for vertical grid lines	
Gridlines	Left margin (inches)	
Darkness for horizontal grid lines	Right margin (inches)	
Darkness for vertical grid lines	Source resolution (smaller = faster print )	
	Override printer bits/pixel setting	
	Windows Config Find This Printer on USB Port	
Install Remove Warrior Config	Show network printers in Windows printer list	
Note: To print while logging you must print to one of the Direct printers	Color map Printing help Save Changes Close	

Fig. 3.3.4 Warrior Installed Printers Setup

🙀 Install Printer	×	
Printer	<b>L</b>	
Install	Cancel	

#### FIG: 3.3.5 Install Printer

Open the Drop- down list to view the list of printers. Note that there is a scroll bar to the side of the list to scroll up and down to view all of the selectable printers.

🙀 Install Printer	×
Printer	
	•
PDF File	▲
TIFF File	
Veritas	
VeritasE	
Printrex	

#### FIG: 3.3.6 Install Printer

In this example we will select Printrex for the Printrex 840 DL/G.

🔛 Install Printer	×
Printer	
Printrex	•
Install	Cancel

#### FIG: 3.3.7 Install Printer

Click the [Install] button to select the printer shown for installation.

Printrex 820 Plotter	<sup>,</sup> Configuration	on 🗵
Media	Paper	•
Paper speed	Full	•
Film speed	Half	•
Sensitivity	Low	-
Width	8.375	
Height	12.5	
	🔽 Top of Fo	m
Top margin (inches)	0.1	
TOF marker offset (ind	ches) 0.62	25
TOF marker thickness	s (inches) 0.25	j
Save	Clo	se

FIG: 3.3.8 Printrex 820/840 Plotter Configuration

The Plotter Configuration window for the plotter selected will now open. In this example, the Media can be paper or film. Depending upon the media selected, the plotter will run at either the paper speed or the film speed. The sensitivity setting controls the heat selection for the thermal paper or film that is installed. A low

sensitivity will increase the heat setting. For fan fold printing, set the printer page height to twice the size of one fan fold page.

Some of the Windows printers may require a value to be entered for the "Gap to start of print". Having a non-zero value will cause the printer to advance the paper that distance, so the first fan fold page may be blank in order to position the print head to the proper place.

Select [Save] to save the plotter configuration.

One physical plotter in a system can be installed under different names and each installation can then have different configuration settings. To install multiple configurations for the same physical plotter, start the installation by clicking the [Install] on the lower portion of the screen. Find and select the plotter in the drop- down list. If that plotter name already exists in the list of installed plotters, you will be given the option of entering a new name. Click the [Rename] button to continue to the configuration window for that plotter name.

Printer Printrex843 already installed		
Enter new name for printer		
Printrex Film		
Rename	Cancel	

#### Fig. 3.3.9

Once the plotter has been selected and installed, the plotter used for windows spooling needs to be selected. This plotter must already have been installed in windows as discussed in section 2.1.

Installed Printers	×
Direct to Printer	Windows Printing
Printer Names Warrior printer name	Enable printing through Windows printer
Printrex  C Default Name of this printer as seen by Windows printing. Required if not printing to file.	Windows printing options for above printer
Properties Properties	Origin for printing Gap to start of print ( inches )
Port	Windows page length is > 15"
Driver port32 Use with standard printer ports & SDS Buffered Plotter Cards & USB parallel ports	Darkness for horizontal grid lines 1 🚊 Darkness for vertical grid lines 1 🛬
	Find This Printer on USB port
Install Remove Config	${\ensuremath{\overline{\mbox{${\rm P}$}$}}}$ Show network printers in hardcopy Windows printer list
Note: To print while logging you must print to one of the Direct printers	Printing Help Save Changes Close

FIG: 3.3.10 Installed Printers

Select the Drop-down list for the Name of this printer as seen by Windows printers and select the Windows installed printer. If no plotter is selected you will get the plotter may be off-line error message when you try to print from Warrior.

irect to Printer	Windows Printing
Printer Names Warrior printer name	Enable printing through Windows printer
Printrex  C Default Name of this printer as seen by Windows printing. Required if not printing to file.	Windows printing options for above printer Have printer do orientation
Printrex 840DL/G Properties	Gap to start of print ( inches )
Port	Windows page length is > 15''
Driver port32 Use with standard printer ports & SDS Buffered Plotter Cards & USB parallel ports	Darkness for horizontal grid lines
	Find This Printer on USB por
Install Remove Config	Show network printers in hardcopy Windows printer list
e: To print while logging you must print to one of the Direct printers	Printing Help Save Changes Close

#### FIG: 3.3.11 Installed Printers

Select [Save Changes] to save the installed plotter and its configuration settings.

#### 3.3.4 Printing to PDF

Warrior supports direct printing to PDF files through its own driver. Before creating a PDF output, determine what the customer intends to do with the file and configure the PDF configuration options accordingly. If it is intended only to view the PDF on the screen, then the driver should be set to Continuous Viewable Image and Color. If the customer intends to print the PDF, then it should be set to Continuous Printable Image and Color or Monochrome, depending on the printer being used. In addition, it may be important to set the page size to match the page size of the customer's printer; otherwise gaps between pages can appear. Furthermore, there is a trade off between file size and quality. The higher the dpi setting, the better the quality normally, but the file size is larger. Some experimentation may be required with the customer to produce optimal results. This is also true for the selected compression mode. For most situations, FLATE compression works well.

#### 3.3.5 Printing to TIFF

Warrior also supports direct printing to TIFF files through its own driver. Again, determine what the file is intended for and configure the driver accordingly. Note that the driver supports TIFF single continuous pages of longer than 90 inches. However, many TIFF applications (including Warrior fax) do not support this, so before increasing the maximum page length make sure that the customer can read such files.

#### 3.3.6 Windows Printing

Check Enable printing through Windows printer. When this box is checked, either a (Direct) or (Windows) label for each available printer is shown when printing from Warrior.

COLOR PRINTING NOTICE: You will always get better color prints printing through a Windows color printer. None of the direct color printers were designed for printing continuous log prints. Unless you require color printing while logging, we recommend you use one of the Windows printers and not use Direct printing to a color printer.

There are several settings that need to be set to achieve a quality print using Windows printers. By clicking on [Printing Help] you can read further about settings.

-11	
٢,	Vindows printing options for above printer
ŀ	lave printer do orientation
C	rigin for printing
G	iap to start of print (inches)
٧	Vindows page length is > 15
	Length for headings, pictures, etc. (inches)
F	orce black grid lines
D	arkness for horizontal grid lines
D	arkness for vertical grid lines
L	eft margin (inches)
F	light margin ( inches )
S	ource resolution ( smaller = faster print )
C	verride printer bits/pixel setting
	Windows Config Find This Printer on USB Port

#### Fig. 3.3.12 Printing Help

If you click on the Supported Windows Printers, a list of printers will drop down. If you click on one of the listed printers, settings for Windows printing from Warrior will be shown. In addition, suggested settings for the Windows printer properties will be listed.



Fig. 3.3.13 Supported Windows Printers

Source Resolution: If it takes a long time to print to your Windows printer, try setting this to a lower value. The default is 1. A lower value may degrade the print quality, so test with your printer to find the optimal setting. You may be able to use a higher Windows printer resolution (600 or 720 dpi) and use a Source Resolution of 1/2 or 1/3 and still get a quality print.

#### 3.3.7 Finding Printer

We recommend connect the Printer/Plotter in the same USB port but if you do not know which port to use , you can find the USB port where the printer is connected . This will work for printers that print only through Windows or for printers that use the Windows spooler for direct printing through Warrior.

Installed Printers	×
Direct to Printer	Windows Printing
Printer Names	Enable printing through Windows printer
Printrex       Image: Constraint of this printer as seen by Windows printing. Required if not printing to file.         Printrex 840DL/G       Image: Properties	Printrex 840DL/G     Windows printing options for above printer     Have printer do orientation     Origin for printing     Gap to start of print ( inches )
Port Name USB001 Use with standard printer ports & SDS Buffered Driver port32 Plotter Cards & USB parallel ports	Windows page length is > 15"         Length for headings, pictures, etc. ( inches )         Darkness for horizontal grid lines         1         Darkness for vertical grid lines         1         Eind This Printer on USB part
Install Remove Config Note: To print while logging you must print to one of the Direct printers	Show network printers in hardcopy Windows printer list      Printing Help Save Changes Close

#### FIG: 3.3.14 Installed Printers

Select on the Drop-down the Printer that you wish to find what USB port it is attached to. In this case Printrex 840DL/G.

🐖 Installed Printers	<u>&gt;</u>
- Direct to Printer	Windows Printing
Printer Names Warrior printer name Printrex V Default	Enable printing through Windows printer     Frintrex 840DL/G     Windows printing options for above printer
Name of this printer as seen by Windows printing. Required if not printing to file.	Have printer do orientation
Printrex 840DL/G Properties	Origin for printing 1 Gap to start of print (inches ) 0.0
Port	Windows page length is > 15"
Driver port32 Use with standard printer ports & SDS Buffered Plotter Cards & USB parallel ports	Darkness for horizontal grid lines
	Find This Printer on USB port
Install Remove Config	Show network printers in hardcopy Windows printer list
Note: To print while logging you must print to one of the Direct printers	Printing Help Save Changes Close

#### FIG: 3.3.15 Installed Printers

Click on the [Find this Printer on USB port] button. The find printer dialog box will come up. At this time it is import to disconnect any plotter that is not the plotter that you are trying to locate. A sample test page will be sent to the plotter and if the plotter is not the correct plotter being tested it may generate large amounts of wasted paper.



FIG: 3.3.16 Find Printer

Select [Yes] to start the test. Several USB ports may be tested before what the software thinks is the correct port is found.

Testing printer on USB002		
Did test print come out?		
Yes No	Cancel	

#### FIG: 3.3.17 Testing Printer

If the test print comes out, select [Yes]. The software will automatically set the Windows printer to the shown port. The confirmation that the printer is connected to USB002 is then shown. Select [OK] to continue.

Printer found	×
Printrex 840DL/G has been set	to USB002
<u> </u>	

#### FIG: 3.3.18 Printer Found

If you received the message shown in Fig. 3.12.6 and the test print did not come out and it did not come out after the rest of the USB ports have been tested, then it is possible that something may be wrong with that port. One common problem is that there may be prints in the print queue that are ahead of the test print. To check this check the Windows Devices and Printers and check the status of the printer and make sure there is nothing pending.

One the setup and configuration of the Windows printers has been completed, If Windows printers are not to be used, uncheck the Enable printing through Windows printer check box. On the left side, again select the Warrior printer name drop down list and select the default printer and the Window printer that it will use for Windows spooling. Check to Default check box to save it as the default printer when printing through Warrior.

Before leaving the Printer Setup, click the [Save Changes] button and then the [Close] button.

🖓 Installed Printers	X
Direct to Printer	Windows Printing
Printer Names Warrior printer name	Enable printing through Windows printer
	Printrex 840DL/G
	Windows printing options for above printer
Name of this printer as seen by Windows printing. Required if not printing to file.	Have printer do orientation 🔽
N Properties	Origin for printing
Printrex 840DL/G	Gap to start of print ( inches )
Port	Windows page length is > 15"
Name	Length for headings, pictures, etc. (inches)
Driver Use with standard printer ports & SDS Buffered Plotter Cards & USB parallel ports	Darkness for horizontal grid lines
	Darkness for vertical grid lines
	Find This Printer on USB port
Install Remove Config	Show network printers in hardcopy Windows printer list
Note: To print while logging you must print to one of the Direct printers	Printing Help Save Changes Close

#### FIG: 3.3.19 Installed Printers

Installed Printers	
Direct to Printer	Windows Printing
- Printer Names Warrior printer name	Enable printing through Windows printer
Printrex Printrex Printrex	Printrex 840DL/G       Windows printing options for above printer       Have printer do orientation
Printrex 840DL/G Properties	Origin for printing 1 Gap to start of print (inches) 0.0
Port	Windows page length is > 15"
Driver Use with standard printer ports & SDS Buffered Plotter Cards & USB parallel ports	Darkness for horizontal grid lines
	Find This Printer on USB port
Install Remove Config	Show network printers in hardcopy Windows printer list
ote: To print while logging you must print to one of the Direct printers	Printing Help Save Changes Close

#### FIG: 3.3.20 Installed Printers

	Warrior printer name	
Printrex	🔽 🔽 Default	
Name of this p	rinter as seen by Windows printing.	Have printer do grientation
Heq	uired if not printing to file.	1 Origin for printing
Printrex 840DL/G		Gap to stat of print (inches)
Port		Windows page length is > 15"
Name USB002	<b>_</b>	Length for headings, pictures, etc. (inches)
Driver port32	Use with standard printer ports & SDS Buffered	Darkness for horizontal grid lines
,		Darkness for vertical grid lines
		Find This Printer on USB po

FIG: 3.3.21 Installed Printers