

DEPARTMENT: WATER AFFAIRS AND FORESTRY

WMS INSTALLATION GUIDELINE

(New Installations only)

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WMS INSTALLATION GUIDE

INTENDED FOR WIN XP INSTALLATIONS

NB RUN INSTALLATION FROM EXPLORER AND NOT FROM AUTORUN.

The installation data is available on the FTP Server at: ftp_wms on 'dwafweb1'

- 1. INSTALL BDE: ON WIN XP
- 2. INSTALL INFORMIX CLIENT ICONNECT_3.50
- **3. DB CONFIG**
- 4. CONFIGURE INFORMIX SETNET
- 5. RUN ILOGIN DEMO
- 6. INSTALL MON MAN
- 7. INSTALL ARCVIEW
- 8. INSTALL ARCGIS
- 9. WINTERM INSTALLATION

NOTE:

- 1 If setting up a Winterm user only follow step 10, the rest of the installation is not required.
- 2 For non Winterm users, i.e. Server connected users, do not do step 10.

INSTALL BDE: ON WIN XP

Run BDE set-up accepts all defaults i.e. next. (Use Win Explorer) Note: For <u>Windows XP click</u> on setup.exe on the BDE_XP (L) Directory as per the Installation CD.

Click Next				
🖟 Default - InstallShield Wizard				
Veccome to the InstallShield Wizard Veccome to the InstallShield Wizard for Default Veccome to the InstallShield Wizard for Default The InstallShield(R) Wizard will allow you to modify, repair, or remove Default. To continue, dick Next.				
	< Back Next > Cancel			

Click Install

i Default - InstallShield Wizard
Ready to Modify the Program The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:
Setup Type:
Destination Folder:
C:\Program Files\Your Company Name\Default\
User Information:
Name: ALQ
Company: DWAF
InstallShield
< Back Install Cancel

Installation proceeds



3. <u>INSTALL INFORMIXCLIENT ICONNECT_3.50</u>

Run set-up from $CD = cd drive: |Iconnect_3.5|$ Setup.exe

Click Next

🔂 IBM Informix Client-SDK 3.50 Setup				
s s	Velcome to the IBM Informix Client-SDK 3.50 etup wizard			
The InstallShield(R) Setup wizard will install IBM Informix Client-SDK 3.50 on your computer. To continue, click Next.				
	< Back Next > Cancel			

Accept all defaults i.e. next, accept licence conditions etc.: Click in "I accept the Term in the license agreement" Click Next

🕞 IBM Informix Client-SDK 3.50 - InstallShield Wizard	
License Agreement	
Please read the following license agreement carefully.	
International License Agreement for Non-Warranted Programs	
Part 1 - General Terms	
BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS.	-
 I accept the terms in the license agreement I do not accept the terms in the license agreement 	
InstallShield	
Print < Back Next > Cancel	

Enter User Name: DWAF Enter Organization: DWAF Click Next

🙀 IBM Informix Client-SDK 3.50 Setup)	×
Customer Information		4.
Please enter your information.		
User Name:		
DWAF		
Organization:		
DWAF		
InstallShield		
	< <u>B</u> ack <u>N</u>	lext > Cancel

Select Setup Type: Click the "Complete" option Click Next



Click Install

🛃 IBM Informix Client-SDK 3.50 Setup				
Ready to Install the Program The wizard is ready to begin installation.				
Click Install to begin the installation.				
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.				
Attention: The Microsoft .NET Framework Runtime(TM) must be present to use the IBM Informix .NET Provider.				
Recommendation: Restart your computer after the installation is complete if this is a new installation or if your installation directory has changed.				
InstallShieldCancelCancel				

Click Next



Click finish



4. <u>DB CONFIG</u>

Run DBCONFIG

(Regional specific)

<u>Choose only</u> the Region you are in e.g. Head Office Click Create Selected Aliases and click OK Click Close

🐺 Database Configuration				
Site	Aliase	Host		
Resource Quality Services	wms_iwqs	wqims		
Guateng region	wms_gaut	dwafcen250		
Western Cape region	wms_wcape	dwafctn250		
Free State Region	wms_fs	dwafbfn250		
🗖 Kwa-Zulu Natal region	wms_kzn	dwafdbn250		
🔲 Mpumalanga region	wms_mpum	dwafnsp250		
Northern Provice region	wms_north	dwafptg250		
Eastern Cape region	wms_ecape	dwafkwt250		
Northern Cape region	wms_ncape	dwafkby250		
🗹 Head Office	wms_headq	dwafhqsun		
Training DB @ iwqs	wms_train	dwaftrn01		
Development DB	wms_Dev	axil		
Development Testing 1	wms_Test1	wmstest1		
Create Selected Aliases Close				

Click OK



5. <u>CONFIGURE INFORMIX SETNET</u>

Click Programs and follow as per this screen below

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Click-Create-Selected-Aliases, and click-OR	
WMS - Configure Databases 🛛	
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The following form is displayed (next page)

Go to Environment Tab Ensure "Use my settings" Checked In the list of variables select DBDate, and click on it Set/change Variable Name DB Date to **y4md**-Click Set button



Go to Server Information tab Select appropriate **IBM Informix Server** (Alias name – as per grid below), which is appropriate for your **specific Region**

Region	Host name	Sevice	Server
RQS	wqims	sql_05_iwqs	inf_05_iwqs
Gauteng	dwafcen250	sql_15_gaut	inf_15_gaut
W-Cape	e250ctn	sql_18_wcape	inf_18_wcape
OFS	dwafbfn250	sql_22_fs	inf_22_fs /
HQ	dwafhqsun	sql_08_headq	inf_08_headq
Limpopo	dwafptg250	sql_23_north	inf_23_north
Training	dwaftrn01	sql_27_dwaftrn01	inf_27_dwaftrn01





The question "Define Server Information" could appear, if it does click OK (doesn't appear in all instances)

Go to Host Information tab

Current Host will automatically be updated if the correct db config was run as per point 4 DB Config.

User name – ask user to type in their user name else wmsread (wmstrain for training) Password – ask user to type in their password else readonly (train for training) Click Apply

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Current Host axil	
User Name wmsread	
Password Option Password V	
Password ****	
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The question "Define Host Information" could appear, if it does click okay (does not appear in all instances)

NB Reboot PC.

Windows XP

Copy hosts & services files from the Installation CD supplied to C:\windows\system32\drivers\etc

6. <u>Run ILogin Demo</u>

Path:

Start/Programs/Informix Client-SDK 3.50/Ilogin Demo Click on: File/Run on Ilogin Demo for Informix Connect The following screen is displayed

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Internet Windows Explorer Explorer	My Computer	ALC: NO	Contraction of the second	
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File 💦	Help			10.
2 2		Login Parameters		×
Windows Media ACS Player		Server	inf_08_headq	
w 🧟		Hostname		
Microsoft Word URS		Servicename		100
Also and		Protocolname		1
X W		Username		-
Microsoft Excel Shortcut WMS.e:		Password		1
		Stores Database	wmsdb	
Aber		Fill	in desired values.	
MUSC		Server, Host, Ser	vice, Protocol, User and Passwo	ord and a second s
		fields will be r	ead from Registry if left blank.	
2		Stores7 will be u	sed if Database field is left blan	k. 🛛
Recycle Bin			Cancel	Provide State
the second second				
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Dependent on region choice as per the DB Config

In Server field ensure that the correct server for the specific region is showing (for the training database enter inf_27_dwaftrn01)

In Stores Database type: wmsdb (if you want to connect to the WMS Training database please enter wmstr)

Click OK



If this message is displayed the installation of Informix was successful.

Click "Ok" to finalise the test

SHOULD YOU ENCOUNTER ANY ERROR MESSAGES? Follow as per this screen to display what the error is

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CREATE SHORTCUT FOR WRM ON DESKTOP



PATH: (As per your Network)\WMS_LIVE\WRM

Double click the icon The following screen appears – login Click OK

WM5 - Database Login 🛛 🔀		
Database Name wms_headq		
Login Code wmsread		
Password ******		
Start ArcView 🗖		
Load minimum graphics on menu 🕅		
OK Cancel		

The following screen appears – WRM successfully installed

Organisation Login			×
Organisation Id			
Organisation Name			
Pin Code			
	Login	<u>E</u> xit	
User :wmsread Database :wmsdb@inf_08_headd	OrganisationalLogin	n.dll (28.3.3.3)	ery ZOOM OVR

7. INSTALL MON MAN

INSTALL MAGIC UNIPAAS on PC

Create shortcut for Monitoring Management:

On the desktop right click the mouse and select New and then Shortcut. In the Location of Item type:

For Regional Offices Type: i:\unipaas\uniRTE.exe For Head Office type: f:\app\unipaas\uniRTE.exe

Create Shortcut	
	This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.
	Type the location of the item:
	I:\unipaas\unirte.exe Browse
6	Click Next to continue.
	< Back Next > Cancel

Press next and type Monitoring Management in the Name field:

Select a Title for the Program		
	Iype a name for this shortcut: Monitoring Management Click Finish to create the shortcut.	
	< <u>B</u> ack Finish Cancel	

Click Finish.

WMS_Installation_Guide_V7.doc

Shortcut will be on the desktop.

THAT IS ALL FOR MAGIC

Setup of ODBC datasource: Click Start – Contol Panel

Control Panel							
Ele Edit Yew Fgyorites Iods Help							
③ Back 🔹 ⑤ 🛬 🏂 Search 🏷 Folders 🛛 🛄 -							
Address 🔂 Control Panel							
-	Name 🔶	Comments	^				
Control Papel	🔥 Accessibility Options	Adjust your computer settings for vision, hearing, and mobility.					
	💐 Add Hardware	Installs and troubleshoots hardware					
Switch to Category View	🔂 Add or Remove Programs	Install or remove programs and Windows components.					
	Administrative Tools	Configure administrative settings for your computer.					
	🐏 Automatic Updates	Set up Windows to automatically deliver important updates					
See Also	BDE Administrator	Configures the Borland Database Engine					
Windows Update	Date and Time	Set the date, time, and time zone for your computer.					
Help and Support	S Display	Change the appearance of your desktop, such as the background, screen saver, colors, font sizes, an					
9	Folder Options	Customize the display of files and folders, change file associations, and make network files available of					
	Conto Controlloro	Add, change, and manage fonts on your computer.					
	Game Controllers	Add, remove, and configure game controller hardware such as joysticks and gamepads.					
	Therefore (R) GMA Driver	Control the graphics hardware readures or this computer.					
	lava	Configure your pricement display and conflection seconds.					
	Keyboard	Customize your keyboard settions, such as the cursor blick rate and the character repeat rate					
	Mail	Microsoft Office Outlook Profiles					
	Mouse	Customize your mouse settings, such as the button configuration, double-click speed, mouse pointers,					
	Nero BurnRights	Specify the CD/DVD burn rights for the Nero family of products.					
	Network Connections	Connects to other computers, networks, and the Internet.					
	Phone and Modem Options	Configure your telephone dialing rules and modem settings.					
	Power Options	Configure energy-saving settings for your computer.					
	Second Faxes	Shows installed aviators and fave aviators and helps you add new ones.					
	Program Download Monitor	onfigure energy-saving settings for your computer. Ver Programs					
	🐻 Realtek HD Audio Manager	Realtek HD Audio Control Panel					
	🔮 Regional and Language Options	Customize settings for the display of languages, numbers, times, and dates.					
	Remote Control	Configures remote control settings.					
	Run Advertised Programs	Runs advertised programs from Systems Management Server.					
	Scanners and Cameras	Add, remove, and configure scanners and cameras.					
	Scheduled Tasks	Schedule computer tasks to run automatically.					
	Security Center	View your current security status and access important settings					
	Sounds and Audio Devices	Change the sound scheme for your computer, or configure the settings for your speakers and recordin					
	Speech	Change settings for text-to-speech and for speech recognition (if installed).					
	w Symantec Liveupdate	This applet allows you to configure your Liveupdate settings.					
	Synance, Liveopdate	This applet allows you to computer your throupdate settings.					
	System Management	configured this computer for Systems Management Server					
	Tackbar and Start Manu	Comingenes are compared for systems management, server, Customize the Start Manu and the tackhar, such as the types of items to be deplayed and how they s					
	Ser Accounts	Change user account settings and pacewords for people who share this computer	_				
	Windows Firewall	Configure the Windows Firewall	_				
	And the last of the		~				
Configure administrative settings for your	computer.		rfigure administrative settings for your computer.				

Double Click Administrative tools

🕅 Administrative Tools					
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	<u>H</u> elp		A		
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File and Folder Tasks 🛛 🔕	Component Services	2 KB Shortcut 2008-03-1	0 11:20 AM		
Share this folder	📕 Computer Management	2 KB Shortcut 2008-03-1	0 11:23 AM		
Share this folder	🚮 Data Sources (ODBC)	2 KB Shortcut 2008-03-1	4 08:19 AM		
	叠 desktop.ini	1 KB Configuration Settings 2009-09-1	5 10:43 AM		
Other Places 🙁	Event Viewer	2 KB Shortcut 2008-03-1	0 11:23 AM		
	Internet Information Services	2 KB Shortcut 2009-09-1	5 10:43 AM		
🚱 Control Panel	Local Security Policy	2 KB Shortcut 2008-03-1	0 11:23 AM		
My Documents	Performance	2 KB Shortcut 2008-03-1	0 11:23 AM		
😡 My Computer	Services	2 KB Shortcut 2008-03-1	0 11:23 AM		
Mv Network Places					
3					
Details 🛛 😵					
9 objects 13.1 KB 😏 My Computer					

Double Click Data Sources (ODBC)

🕙 ODBC Data Source	Administrator	? 🛛
User DSN System DSN User Data Sources: Name dBASE Files Excel Files MS Access Database wmsdb WMSDB_HQ	File DSN Drivers Tracing Connection Driver Microsoft dBase Driver (*.dbf) Microsoft Excel Driver (*.xls) Microsoft Access Driver (*.xls) Microsoft Access Driver (*.mdb) INFORMIX 3.34 32 BIT INFORMIX 3.34 32 BIT	Pooling About About
An ODBC User data source stores information about how to connect to the indicated data provider. A User data source is only visible to you, and can only be used on the current machine.		
[OK Cancel Apply	Help

Click on System DSN tab:

🖗 ODBC Data Source Administrator 🛛 🔹 🔀					
User DSN System DSN	File DSN Drivers Tracing	Connection Pooling About			
<u>S</u> ystem Data Sources:					
Name	Driver	A <u>d</u> d			
ERWAT MMCTL OBACLE	Microsoft Access Drive Microsoft Access Drive Oracle73	er (*.mdl <u>R</u> emove			
WMS_B WMS_CSIR	INFORMIX 3.80 32 BI Microsoft Access Drive	T <u>C</u> onfigure			
WMS_ERWAT WMS_HYDRO	Microsoft Access Drive Microsoft Access Drive	er ([*] .mdl er (*.mdl			
WMS_LIMS_AUU WMS_LIMS_DEV WMS_LIMS_PRODUI	Microsoft Access Drive SQL Server CTION SOL Server	er (".mdl			
<					
An ODBC System data source stores information about how to connect to the indicated data provider. A System data source is visible to all users on this machine, including NT services.					
	OK Cancel	Apply Help			

Click ADD Button:

Create New Data Source	Select a driver for which you want to set up a data source. Name V Driver da Microsoft para arquivos texto (*.txt; *.csv) 4 Driver do Microsoft Access (*.mdb) 4 Driver do Microsoft Base (*.dbf) 4 Driver do Microsoft Excel(*.xls) 4 Driver do Microsoft Paradox (*.dbf) 4 Driver do Microsoft Paradox (*.db) 4 Driver do Microsoft Visual FoxPro 1 INFORMIX 3.34 32 BIT 3 INFORMIX 3.80 32 BIT 3 Microsoft Access Driver (*.mdb) 4	
	Kierenet Access Treiber (* mdb) 4 Kierenet Access Treiber (* mdb) 4 Kierenet Access Treiber (* mdb) 5	

Select Informix 3.34 32 Bit and click finish.

Informix ODBC Driver Setup	? 🔀
General Connection Environment	Advanced About Informix ODBC
Data Source Name Description	
ОК	Cancel Apply

In data source name type: WMSDB_LIVE

Informix ODBC Driver Setup	? 🛛
General Connection Environment	Advanced About Informix ODBC
Data Source Name Description	WMSDB_LIVE
01	Cancel Apply

Click the Connection tab

and select the correct database information. eg (inf_05_iwqs)

Informix ODBC Driver Setup	? 🛛
General Connection Environment	Advanced About Informix ODBC
Server Name	inf_05_iwqs 🗨
Host Name	wgims
Service	sql_05_iwqs
Protocol	onsoctop 💌
Options	
Database Name	•
User Id	
Password	
Apply & Test Connection	
40	Cancel Apply

Input the correct database name (WMSDB)

Informix ODBC Driver Setup	? 🛛
General Connection Environment	Advanced About Informix ODBC
Server Name	
Host Name	wqims
Service	sql_05_iwqs
Protocol	onsoctcp
Options	
Database Name	WMSDB 💌
UserId	
Password	
Apply & Test Connection	
ОК	Cancel Apply

Enter your WMS username and Password

Informix ODBC Driver Setup	? 🛛
General Connection Environment	Advanced About Informix ODBC
Server Name	list OF ince
Host Name	
Service	sql_05_iwqs
Protocol	onsoctop
Options	
Database Name	WMSDB 💌
UserId	wmsread
Password	*****
Apply & Test Connection	
ОК	Cancel <u>Apply</u>

Press the Environment tab.

Informix ODBC Driver Setup	? 🛛
General Connection Environment	Advanced About Informix ODBC
Client Locale Database Locale	en_US.CP1252 en_US.CP1252
Use Server Database Locale Translation Library	
Translation Option	
Cursor Behavior VMB Character	0 - Close
Fetch Buffer Size	4096
0*	Cancel Apply

Make sure the Client Locale and Database locale is the same and the Use server locale checkbox is empty Click on the connection tab again and Press the Apply & Test button: The following should appear:

Informi	x ODBC Message:	×
(į)	Test connection was success	sful.
	(ОК	

(if not check input data again and if correct and connection not successful please contact support team)

Press OK button 3 times (ODBC will close):

8. <u>INSTALLATION OF ARCVIEW</u> 8.1 <u>Installation of ArcView GIS 3.2a</u>

Run setup.exe from ArcView 3.2a installation CD.

(If CD does not start automatically search for the setup.exe file on the CD and execute the file)

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ArcGIS 8.3							
Arcview3		(reserved)	WB	(manuf	(mont)	-	
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🖃 🚞 AV_GIS30		SETUP, DEE	SETUP.EXE	setup.inf	setup.ini	SETUP, INS	
I CONTRACTION			Type	Application			
III 🚞 AvDocs			Size:	A 5 KB			
E C AVSETUP			Date	Modified: 12/20/	2003 16:14		
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E C FONTS							
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Click Next.



Click Yes.

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1	Please read the following Licens another language, see the PDF CD-ROM.	e Agreement. To files located in the) view the Licens e License directo	e Agreement in ry on the
ESRI Lic This is a (Agreem Institute, ESRI(r) hard-coj keycode	cense Agreement a license agreement and not an ac ient) is between the end user (Licc , Inc. (ESRI), and gives Licensee desktop software and software up py documentation and user guide: o rhardware key, as applicable (greement for sale. ensee) and Enviro certain limited righ dates, Data Sets, s, including updat hereinafter referre	This license agr inmental Systems ints to use the pro , Sample Data, oi es thereto, and si d to as ''Software	eement s Research prietary nline and/or oftware s, Data, and
Related ESRI. Reserva exclusiv	Materials"). All rights not specific ation of Ownership and Grant of Li re rights, title, and ownership of the	ally granted in this cense: ESRI and e copy of the Soft	: Agreement are r d its third party lice ware, Data, and	reserved to ensor(s) retain Related
Doyou a will exit. 1	accept all the terms of the precedi To install the software, you must a	ng License Agree Iccept this agreen	ment? If you cho nent.	ose No, setup
		< <u>B</u> ack	<u>Y</u> es	No

Click Next

	Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue.
	Program Folders:
	ESRI\ArcView GIS 3.2a
	Existing Folders:
	Accessories
Cá.	Administrative Tools Brother Administrator Utilities DameWare Mini Remote Control EA SPDRTS
	FCP Documentation Games

Click on the 'install' button to begin installation.

If the message pops up asking if you want to install crystal, click "No"

K

K

K

Setup has finished copying the files to your system. To allow for proper operation of ArcView GIS you must restart your system.
Please read the Readme file after the Reboot or before starting ArcView GIS.
Yes, I want to restart my computer now.
 C No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.

Select "Yes, I want to restart my computer now". Click Finish. See Fig 6.

(THIS STEP IS NOT REQUIRED IF USER ONLY USERS ARCVIEW FOR WMS)

After the computer has restarted, you need to create a shortcut to the Desktop. Go to F:\APP\Arcview3\av3.2a\AV_GIS30\ARCVIEW\bin32. Right Click on the "Arcview.exe" file, goto "Send To – Desktop (create shortcut) *See Fig 7*.



<u>Fig 7.</u>

Go to the Desktop. Rename the Arcview icon to "Arcview GIS 3.2a"



Arcview GIS 3.2a Installation Completed.

8.2 Running ArcView.

You can now continue using ArcView. In an error event see "Trouble Shooting" or ask your Systems Administrator.

8.3 TROUBLE SHOOTING

The Following section describes some possible solutions if you're having problems with ArcView GIS.

- **Question:** I do not know where the setup.exe file lay on the network.
- Answer: Please call computer helpdesk for assistance, and ask them where on the network the setup.exe reside. It may be that you do not have access rights to the directory on the network called . \Arcview3, and will not even have read rights to this directory. Ask Helpdesk to give you access rights to this directory in order for you to run the set-up.
- Question: If I Select 'Yes, I want to restart my computer now' radio button, and press the FINISH button on my PC, nothing happens
- **Answer:** Please close ArcView installation by pressing the 'No, I will restart my computer later' radio button, and restart the PC manually.
- Question: When I try to start ArcView GIS, nothing happens or I get an error message. How can I get ArcView GIS To start?
- **Answer:** Check the Following:
 - Make sure the system's date and time is correct.
 - Optimize the virtual memory settings.
 - Check to see if you have a default.apr file in your HOME or TEMP directory. If you had a previous version of ArcView installed on your computer and recently installed the latest version of ArcView GIS, your previous installation may not work. To remedy this, either Delete or Rename the default.apr in your HOME or TEMP directory. Deleting/Renaming this file will remove any customized changes made in ArcView GIS.

If there are any other problems please ask your System Administrator, or use you "ArcView GIS Installation Guide" provided with ArcView package.

9. INSTALLATION OF WMS GIS.

9.1 **Requirements for Installation**

Before you install any product you shall ensure that the workstation on which you will be effecting the installation has met the prerequisites. Detailed prerequisites for the Installation of ArcView Products can be found in the Product Installation guides. As a guideline, the following is applicable for the installation of ArcView:

- Personal Computer: PC with at least a Pentium or Higher Intelbased microprocessor, a hard drive, and a CD-ROM drive (if installation is not performed from the Network).
- Install ArcView from a Network: No additional license or hardware key required. Operating System: MS Windows NT Workstation 4.0 or higher (Service pack 6).
- RAM: Minimum memory requirements to run ArcView is 24MB physical ram and 17MB virtual RAM. It is however recommended to have at least 64MB of physical Ram installed on your workstation for GIS to perform well. Request assistance from your ITSM on the configuration of Virtual Memory swap files if necessary.
- Hard Disk Requirements: The product requires 10MB of hard disk space to install. WMS GIS require additional 200MB of disk space to store all the WMS data and relevant files.
- Display or monitor: Video graphics adapter (VGA), 800x600 pixel resolution as a minimum. Higher resolution and 256 (or more) colors systems are recommended. It is advisable to use a 17" (or greater) screen for high-resolution GIS functions.
- Pointing device: A Microsoft mouse or compatible pointing device.

9.2 Pre Installation steps

Before installation, please check that there is enough disc space on the PC's C: drive, if not, please clean up some space (\pm 200.Meg or more). If there is not enough space, please use the alternative disc drive if there is another disk. If alternative disk is used, please use the disk drive any place that the C:\ drive was specified during the installation document.

If ArcView 3.2a runs on a XP operating machine, please run cd dir :\gis_install\ArcViewWinXPPatch\ArcView GISPatch4WinXP.exe from the CD provided

9.3a Installation steps

Through Windows Explorer, open the directory that holds the distribution files of WMS GIS. The System Administrator must provide you with an installation CD-ROM that holds the program files. Refer Picture 1.

Select the two directories (WMSDATA and WMSGIS) from the CD in the directory cd drive\gis_install



Press the File Menu => Edit option of the Exploring Window (See Figure above), choose the Copy option from the menu option.

Go to the local drive C:\ on the Installation PC. Press the File Menu => Edit option of the Exploring Window (See Figure above), choose the PASTE option from the menu option to copy both the directories and all the relevant sub directories and files in these directories to the local PC's hard drive. If there is not enough space on the C:\ Hard Drive, the data can be copied to the alternative hard drive (D:\) if such drives exist. If the data is copied to another hard drive, all the references in this portion of the installation to C:\ must be changed to D:\

Copy the network ...\wms_live\GIS\wms.apr file to c:\wmsgis\views

After the directories WMSDATA and WMSGIS were copied from the CD, please right click on both directories and go to the Properties option. On the Properties page, go to the General tab.

WMS	idata Prope	rties	? ×
Ge	neral Web !	Sharing Sharing Security	
		WMSdata	
T	уре:	File Folder	
L	ocation:	C:V	
Si	ize:	345 MB (361,886,731 bytes)	
Si	ize on disk:	347 MB (364,400,640 bytes)	
C	ontains:	916 Files, 18 Folders	
C	reated:	21 May 2004, 03:56:25	
A	ttributes:	Read-only Advanced	
		Hidden	-
		OK Cancel App	ily

Properties Page

On the Properties page, click on the correction mark in Attribute called Read-only to switch this option off. Press the Apply button. The next page will appear.

Confirm Attribute Changes	×
You have chosen to make the following attribute change(s):	
unset read-only	
Do you want to apply this change to this folder only, or do you want to apply it to all subfolders and files as well?	
O Apply changes to this folder only	
Apply changes to this folder, subfolders and files	
OK Cancel	

Attribute Change Form

Press the Apply changes to this folder, subfolder and files and press OK. All the directories will have read and write rights allocated to them.

9.3b Version Problems

If there is a version problem when running WMS- GIS, go to the latest release data on the network (..\WMS_live\gis\) directory. Read the release notes of which files to release, how to execute them and where to run such files. If there is a problem, log a call with Arivia for an update on GIS.

9.4 Set-up of all Environmental Variables on WIN 2000.

There are a few System and User variables that have to be set up for WMS GIS to work properly.

In order to add these variables, the person installing these variables must press the 'START' button at the Left corner of the screen. Click on 'Settings'- Control Panel, double click on 'System'. The 'System Properties' page will open up (see

ystem Properties	? ×	
Startup/Shutdown	Hardware Profiles User Profiles	
General	Performance Environment	
<u>S</u> ystem Variables:		
Variable	Value 🔺	
COMPDATA COMPGIS ComSpoo	C:\WMSDATA	A
INFORMIXDIR NUMBER OF PR	C:\PROGRAM FILES\INFORMIX	
User Variables for AHF		
Variable		
	CATEMP CATEMP	
WMSAPR	C:\WMSGIS\VIEWS\wms.apr	B
⊻ariable:		
Vajue:		C
	S <u>e</u> t <u>D</u> elete	L D
	OK Cancel Apply	E
gure below). Press	the Environment tab to continue.	

To activate the 'System variable' settings, select any variable on the 'System Variables' (A) or the 'User Variables' (B) to activate the 'User variable' settings

To set-up a variable Type the variable name in the 'Variable:' field provided (C) and the variable path in the 'Value:' field. (See '<u>The variables to set up is as</u> <u>follow'</u> below)

When the values are typed in correctly, press the 'Set' key (E) to accept the value. (See '<u>The variables to set up is as follow</u>' below)

When all the variables is set up correctly, press the 'Apply' button to accept all new changes. Press the 'OK' button to close the 'System Properties' form when finished.

PLEASE NOTE: If the directories WMSDATA and WMSGIS were copied to D:\ please change the values in the Value: record to show this.

		Variable:	Value:
System	:	COMPGIS	c:\wmsgis
	:	COMPDATA	c:\wmsdata
		WMSAPR	c:\wmsgis\views\wms.
User	:	WMSAPR	c:\wmsgis\views\wms.apr

The variables to set up is as follow:

9.5 Set-up of all Environmental Variables on WIN XP.

There are a few System and User variables that have to be set up for WMS GIS to work properly.

In order to add these variables, the person installing these variables must press the 'START' button at the Left corner of the screen. Click on Start – Settings – Control Panel. If System icon is not available, press the Switch to Classic View. Double click on 'System' icon. The 'System Properties' page will open up (see Figure below). Press the Advanced Tab. Press the Environment Variable button to continue.

System Properties			? 🛛			
Sustem Pastorn	Automa	tie Updatee	Pemote			
Separal Compu	Automa ter Name	Hardware	Advanced			
You must be logged on as an Administrator to make most of these changes. Performance Visual effects, processor scheduling, memory usage, and virtual memory						
			Settings			
User Profiles Desktop settings related to your logon						
			S <u>e</u> ttings			
Startup and Recovery-						
System startup, system failure, and debugging information Settings						
En	viro <u>n</u> ment Varia	ables Error F	Reporting			
	ОК	Cancel	Apply			
Environment Variable	s		? 🗙			
User variables for ax17						
Variable V	alue					
PATH ;4	łÑ\bin	10.00				
TMP C	: \Documents : \Documents	and Settings\ax17 and Settings\ax17	/Local /Local			

Variable	Value
PATH	;4Ň\bin
TEMP	C:\Documents and Settings\ax17\Local
TMP	C: \Documents and Settings\ax17\Local
	New Edit Delete
vstem variables	Value
Variable Variable ComSpec	Value C:\WINDOWS\system32\cmd.exe
Variable ComSpec FP_NO_HOST_C	Value C:\WINDOWS\system32\cmd.exe NO
Variable Variable ComSpec FP_NO_HOST_C NUMBER_OF_P	Value C:\WINDOWS\system32\cmd.exe NO 1
Variable ComSpec FP_NO_HOST_C NUMBER_OF_P OS	Value C:\WINDOWS\system32\cmd.exe NO 1 Windows_NT
Variable ComSpec FP_NO_HOST_C NUMBER_OF_P OS Path	Value C:\WINDOWS\system32\cmd.exe NO 1 Windows_NT C:\WINDOWS\system32;C:\WINDOWS;
Variable ComSpec FP_N0_HOST_C NUMBER_OF_P OS Path	Value C:\WINDOWS\system32\cmd.exe NO 1 Windows_NT C:\WINDOWS\system32;C:\WINDOWS; New Edit Delete

To add any 'System variable' settings, press the New button in the System Variable window space. To add any 'User Variables' settings, press the New button in the User Variable window space.

To set-up a variable Type the variable name in the 'Variable:' space provided and the variable path in the 'Value:' field provided. (See '<u>The variables to set up is as follow</u>' below)

When the values are typed in correctly, press the 'OK' key to accept the value. (See '<u>The variables to set up is as follow</u>' below)

When all the variables is set up correctly, press the 'OK' button to accept all new changes and to close the 'System Properties' form when finished.

PLEASE NOTE: If the directories WMSDATA and WMSGIS were copied to D:\ please change the values in the Value: record to show this.

The variables to set up is as follow:

		Variable:	Value:
System	:	COMPGIS	c:\wmsgis
	:	COMPDATA	c:\wmsdata
		WMSAPR	c:\wmsgis\views\wms.
User	:	WMSAPR	c:\wmsgis\views\wms.apr

10. WINTERM INSTALLATION

To install a user via Winterm:

- Create a folder under C: From ftp server **copy mstsc**.exe and **mstcsax.dll** to created folder

Create shortcut on desktop of mstsc and rename

Installation CHECKLIST

STEPS	Yes/No
Install BDE - Win XP	
Install Informix Client 2.7	
Run DBCONFIC and select correct Database	
Configure Informix Environment tab	
Configure Informix Server information tab	
Configure Informix Host Information tab	
Copy files : host and services	
Run Ilogin demo	
Create shortcut for WRM(Water Resource Management)	
Test if WRM connects to database	
Install Magic 9.3	
Copy files: magic.ini	
Set environmental variable "IMPORTDIR"	
Test if MM connects to the database	
Install ArcView 3.2a	
Install WMS GIS - check diskspace	
Copy Directories - WMSData and WMSGis	
Copy file : wms.apr	
Set environmental variables COMPGIS, COMPDATA, WMSAPR	

Region _____

Name _____

Signed