Step by step procedure to produce a basic map in WMS-GIS

Open WMS-WRM

Step 1: Open WRM: Results Information Management: Water Quality Results Reporting: Reports: Inventory.

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File	Parameters	Reports Graphs Help	
		Single Sample Result Descriptive Statistics Standard Result	
		Inventory	
		Sample Status	
		Statistical Summary Table Reports 🔸	
		Reporting (Old)	
		Trophic Status Assessment	
		Automated Reports	
User:	adibrett	Database: wmsdb@inf_05_iwqs	State: Inac 🖉

Step 2: On the Monitoring Point Group Maintenance for Selection screen: go to the User defined tab, select BRETT - SURFACE(water points test) from the Groups drop down then click the range button and select all the points, then press ok.

🍄 Monitoring Point Group Maintenance for Selection [frmMonitoringPointSelect]	
<u>File Find Gis Help</u>	
🖹 🗌 🔀 50 000 scale 💌	Form Help
Standard filter User defined Management Area Programs & Stakeholders Sample Number	Request List
Individual entry	88492 · · (SEE 179065)ZALEU-GED CANALA 85895 · · (SEE 179287)ACTIVATED SUUDI
Single Point	85896 (SEE 179287)AERATION LAGOO
Name Search	179218 (SEE 90682)COWLES DAM OVE 179064 (SEE 90682)LEAVING COWLES
Groups BRETT - SURFACE	88713 (SEE 90682/2CUW-CLV 0VERF 1000013383 26278A00275 RANDFONT
	1000013381 - 26278A00279 HANDFONT 1000013381 - 26278A00279 HANDFONT 1000005753 - 26278C00437 LUIPAABDS
	1000005755 - 26278C00438 LUIPAARDS
All WMS Monitoring Features	1000005759 - 26278C00439 LUIPAARDS
	183585 3DDD ON MODDERFONTEIN 3
Class Film	190943 4# BLYVOORUITZICHT 116 IQ
	190939 6# VARKENSLAAGTE 11910 - 100000752 421 HENNOPS 01 ON SKUL
Numbering Convention : No Numbering Convention 📃 👻	100000768 - A21 HENNOPS 02 AT BRID
Monitoring Points	100000767 · · A21 HENNOPS 03 AT ZWA
Feature Id Reference Code Feature Name	100000774 - A21 NAALSENOTI OF @ BH
179048 ZWEW-ERWAT TSAKANE 260 IB - EB	100000771 · · A21 RIETSPRUIT 01 @ OLI
89003 ZWILG-REN AT RENOSTERPOORT (K	1000007/2++A21 RETSPRUT 02@BRI 100000763++A21 RETVLEL03 UPSTRE/
187570 ZWILG-REN WILGE RIVER AT RENOS	100000764 A21 RIETVLEI 04 NEXT TO
88734 ZWJ16 SANDSPRUIT BEFORE CONFL	100000765 - A21 RIETVLEI 05 NEXT TO
89010 ZWRPD02 BRONKHORSTSPRUIT ON	100000766 · · A21 RIETVLET06 DOWNST
· · · · · · · · · · · · · · · · · · ·	Save as Group Clear All
	🗸 OK 🛛 🗶 Cancel
User: adibrett Database: wmsdb@inf_05_iwqs State: Browse	

If you want to add additional points then re-perform step 2 using parameters of your choice (eg other Groups, single points, WMS's, rivers etc), adding the new points to the Request List.

When all the monitoring points have been added press the ok button.

This will bring up the Sample or Analysis Inventory report screen. Press the report button

Step 3: On the Report and Export Options screen select the Export to DBF4 dBase IV file (.dbf) option and select ok



Then save the file using a name and save loction of your choice.

Step 4: Open Arcview



Step 5: Run Reports: In ArcView select the Creat Report Templates button (red ring in image below



This opens the Report Layout selection screen: Check the Sample Inventory Box and then select Sample Inventory Breakdown that you want (Eg located on type)



Select Ok and then locate the saved .dbf files and press ok.

🔍 Select		×
File Name: surface water.dbf	Directories: c:\documents and settings\adieb\de:	ОК
🗋 discharge accidents.dbf 🔺	🗁 c:\	Cancel
🗋 discharge accidentsl.dbf	🕞 documents and settings	
🗋 rivers.dbf	🗁 adieb	
🗋 riversl.dbf	🗁 desktop	
🗋 surface water.dbf 📃	🗁 testing survey	
🗋 surface waterl.dbf		
🗋 transfer feature.dbf 🔤		
📄 🖻 transfer featurel.dbf 🛛 🗾		
List Files of Type: DataBase	Drives:	

Set the layout option

Q View.ReadCreateTemplate	×
Please specify the Template to be used.	OK
WMS A3 Landscape 💌	Cancel

Input the Creator Name, Creator contact number and Report Heading. This will produce a map in the layout view.



Step 6: Editing: The map needs some basic editing. Close the layout view, this will open the view where you can do some editing.



First we need to remove the labels as they are obscuring the points. Click on the Theme tab in the ArcView menu and then select remove labels.



Second we need to edit the point symbols so that you can easily distinguish each monitoring type.

To do this double click in the Located on Type layer at the left hand side of the screen, this will bring up the Legend Editor.

🔍 Legend Editor 🛛 🗸 🗖				
Theme: Located On Type Load				
Legend Type: Unique Value			Save	
	Ē			
Values Field	Located On Feature	Туре 💌		
Symbol	Value	Label	Count	
•	Canal	Canal	74	-
•	Containment/Emerge	Containment/Emerge	2	
•	Dam / Barrage	Dam / Barrage	84	
•	Evaporation Dam	Evaporation Dam	1	
•	Industrial Property	Industrial Property	6	
•	Lake	Lake	1	
•	Mine Property	Mine Property	11	•
+ 📉 📄 🗾 0 🐵 😤 🌚				
Color Schemes: Bountiful Harvest				
Advance	d Statistics	Undo	Apply	

To modify a symbol double click in the symbol, this opens the Marker Palette, from here you can edit the symbol by changing its shape, color, size etc. For example to change the color of the symbol click on the tab indicated with a brush and then single click a color of your choice.



Once you have edited that symbol to your liking you can move on to the next symbol by double clicking on that new symbol.

Once you have edited the symbols to your liking click the accept button on the Legend Editor.

🔍 Legend Editor					
Theme: Located On Type			Load		
Legend Type: Unique Value			Save		
			Default		
Values Field: Located On Feature Type					
Symbol	Value	Label	Count		
•	Canal	Canal	74 🔺		
•	Containment/Emerge	Containment/Emerge	2		
•	Dam / Barrage	Dam / Barrage	84		
•	Evaporation Dam	Evaporation Dam	1		
•	Industrial Property	Industrial Property	6		
•	Lake	Lake	1		
•	Mine Property	Mine Property	11 🔽		
+ X I I I O I X X X X X X X X X X X X X X					
Advanced Statistics Undo Apply					

When you are happy with the map you can then open it in the layout view to see it as the final map. To do this close the WMS window by clicking on the X at the top right (see red ring in image below)



Then open the Loayout tab and double click on the Layout option chosen in step 5 (eg A3 Landscape) this will open the map which you can then print copy etc.



