# **N-SPECT Known Issues**

#### 1. Unexpected Program Error

Non-modal forms cannot be displayed in this host application from an ActiveX DLL, ActiveX Control, or Property Page

Description: When attempting to open any of the forms in N-SPECT for ArcGIS 9.x, the following error window appears.

Unexpec	ted Program Error	×
	An error has occured in the application. Record the call stack sequence and the description of the error.	
	Error Call Stack Sequence ICommand_OnClick C:\Projects\HI\code\060203\clsNewAnalysis.cls	
	Error Number 406 Description Non-modal forms cannot be displayed in this host application from an ActiveX DLL, ActiveX Control, or Property P	age.
	ОК	

Solution: The initial release of ArcGIS 9 changed the way in which Visual Basic for Applications is loaded. As a result, non-modal forms were not supported. Subsequent service packs for ArcGIS 9 have fixed this problem. Please install the latest ESRI Service Pack for ArcGIS. It can be found at <u>http://support.esri.com</u>.

## 2. Error Connecting

Could not find file 'C:\nspect.mdb'. Error connecting to database, please check NSPECTDAT environment variable.

Description: After installing N-SPECT and attempting to use it for the first time, the following error occurs.

Error Con	necting
8	-2147467259Could not find file 'C:\nspect.mdb'. Error connecting to database, please check NSPECTDAT enviornment variable. Current value of NSPECTDAT: Provider=Microsoft.Jet.OLEDB.4.0;Data Source=\nspect.mdb
	<u>ОК</u> ]

Solution: The N-SPECT installer creates a system variable on the user's machine called NSPECTDAT. NSPECTDAT is the installation directory for N-SPECT and the variable is used by the tool to locate the nspect.mdb database. If the user does not have full administrative privileges on the computer in which N-SPECT is installed, the system variable may not have been correctly created. To correct the problem, an individual with full administrative privileges on the computer can follow these steps:

- 1. Right click on My Computer and choose 'Properties'.
- 2. Click the Advanced Tab and then click the Environment Variables button.

3. From the Environment Variables window, create a new system variable named NSPECTDAT and set its value to the directory path where NSPECT has been installed as seen below:

ironment Variable	25	?
<u>U</u> ser variables for ed	.dempsey	
Variable	Value	
TEMP	C:\Documents and Settings\ed.de	empse
TMP	C:\Documents and Settings\ed.de	empse
,		
	<u>N</u> ew <u>E</u> dit	<u>D</u> elete
System variables —		
System variables —		
System variables	Value	
System variables	Value C:\Program Files\Microsoft Visual	Studio
System variables – Variable INCLUDE LIB	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual	Studio
System variables	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\VSPECT\ 1	Studio
System variables	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\NSPECT\ 1 Windows_NT	Studio
System variables	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual <b>C:\NSPECT\</b> 1 Windows_NT	Studio Studio
System variables Variable INCLUDE LIB INSPECTDAT NUMBER_OF_P OS	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\VSPECT\ 1 Windows_NT	Studio Studio
System variables Variable INCLUDE LIB NSPECTDAT NUMBER_OF_P OS	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\VSPECT\ 1 Windows_NT NewEdit	Studio Studio Delete
System variables Variable INCLUDE LIB NSPECTDAT NUMBER_OF_P OS	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual <b>C:\VSPECT\</b> 1 Windows_NT <u>New</u> Edit	Studio Studio Delete
System variables Variable INCLUDE LIB NSPECTDAT NUMBER_OF_P OS	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\VSPECT\ 1 Windows_NT New Edit	Studio Studio Telete
System variables Variable INCLUDE LIB NSPECTDAT NUMBER_OF_P OS	Value C:\Program Files\Microsoft Visual C:\Program Files\Microsoft Visual C:\VSPECT\ 1 Windows_NT New Edit OK	Studio Studio Uelete

## 3. Rainfall GRID in centimeters produces inaccurate results

Description: When defining a precipitation scenario, if your GRID is measured in centimeters and you select centimeters for the precipitation units, N-SPECT produces inaccurate results. This is due to a bug in the N-SPECT precipitation module. The N-SPECT team is working on a solution that will be available in Version 2.

There is a temporary workaround to this problem. It involves defining all precipitation scenarios in inches. If your precipitation grid is in centimeters, you can convert it to inches using the methodology below:

- 1. In ArcMap, from the Spatial Analyst menu, select Raster Calculator...
- 2. Multiply your rainfall GRID by 0.3937. See the example below:

IRaster Calculator						(	? 🗙
Layers:							
Ann_Precip_cm	×	7	8	9	=	$\diamond$	And
	1	4	5	6	>	>=	Or
	•	1	2	3	<	<=	Xor
	+		2		ſ	)	Not
Ann_precip_in = [Ann_	Precip_o	rm] * 0.	3937				~
							~
About Building Expression	ns		Evaluat	te	Cano	el	>>

- Click *Evaluate*.
  You can then use the resulting GRID when defining your precipitation scenario.

#### **N-SPECT Patch for ArcGIS 9.2**

On some users' machines, the N-SPECT toolbar may not appear in the list of available toolbars after running the N-SPECT patch for ArcGIS 9.2. Below is a list of steps to make the toolbar visible again.

1. From the *Tools* menu of ArcGIS, select *Customize*.



2. From the Customize dialog, click the Add From File... button.

Customize			? 🔀
Toolbars Commands Option	s		
Toolbars:			
– I Main Menu		~	New
3D Analyst			
Advanced Editing		E F	Rename
Animation	l.		
Annotation			Delete
ArcPad			D
ArcScan			Heset
COGO			
CSC Toolset			
Context Menus			
Data Frame Tools			
Distributed Geodatabase			
✓ Draw	1	<b>×</b>	
	Keyboard	d from file	(Close)

3. From the dialog, navigate to the N-SPECT installation directory (the default is C:\NSPECT\bin), and select NSPECT.dll and click the *Open* button.

Open						? 🛛
Look jn:	in 🔁 bin	-	•	수 🗈 💣	<b>*</b>	
My Recent Documents	FixPath.dll					
Desktop My Documents						
My Computer						
My Network	File name:	NSPECT.dll		•		Open
Places	Files of <u>type</u> :	Type Libraries (*.olb,*.tlb,*.dll)		-		Cancel

4. Click OK on the Added Objects...dialog.

Added Objects	
clsLCType clsMnuProject clsNewAnalysis clsPollutants clsPrecip clsWQStd clsWSDelin clsMainToolbar clsToolSetup	
	ОК

5. N-SPECT 1.1.3 will then appear in the list of available toolbars, click the checkbox to make it active, then click the *Close* button to return to ArcMap.

Toolbars Commands Dptions		
Toolb <u>a</u> rs:		
Impervious Surface Analysis Tools	<u> </u>	<u>N</u> ew
Labeling		Rename
Map Cache		Doloto
N-SPECT 1.1.3		Delete
NOAA CSC Hurricane Data Update Tool	- 1	<u>R</u> eset
Network Analyst		
Portal Tookit Commands  Publisher	_	
Baster Painting		
Boute Editing	~	