Groundwater Vistas Version 6 Levels

	Standard	Advanced	Professional (formerly Enterprise)	Premium
New V6 License	$1,450.00	$2,050.00	$2,950.00	$3,850.00
Upgrade Price from V5	$425.00	$595.00	$650.00	
		Standard +	Advanced +	Professional +
		Pest with SVD/NSMC	Aquifer^{Win32}	SAMG Solver
		HUF Package	Winflow	
		CFP Package	GW3D	
		Mem. Compression	MODHMS support*	
		Monte Carlo	GSFLOW support*	
		SWIFT		
		TMP1 Package		
		64-bit		
		MODFLOW-USGs Submodels		
		SWI Package		
Upgrade to Adv.	$600.00			
Upgrade to Prof.	$1,500.00	$900.00		
Upgrade to Premium	$2,400.00	$1,800.00	$900.00	

Note: Professional Upgrade price ($650) shown above is from GV5 Enterprise.

* When available - will not be in initial release.

Upgrades from Version 4 Standard to Version 6 Standard - add $375

Upgrades from Version 4 Advanced to Version 6 Advanced - add $545

SAMG Solver can be added to any version for $900

Anyone who purchased a new license (not an upgrade) after December 1, 2010 can get V6 for price difference between V5 and V6

New Policy: **All Users MUST return their existing hardware locks.**

If the user needs to use version 5 for project reasons,

they may receive a temporary security code during the transition to V6

What's New in Groundwater Vistas Version 6

Licensing & Operating Systems

- Native 64-bit Version of Groundwater Vistas & all models (not available in Standard version)
  - 64-bit version 20% to 97% faster than GV Version 5**
  - 32-bit version 20% to 60% faster than GV Version 5**
- Supports 32-bit and 64-bit Versions of Windows XP, Vista, and 7
- New HASP keys (dongles) allow us to provide upgrades via email

New Model Versions

- MODFLOW2000 Version 1.19.01
- MODFLOW2005 Version 1.8
- MODFLOW-NWT Version 1.0 **(New USGS Version to deal with dry cells)**
- MT3DMS Version 5.3
- MODPATH Version 5
- MODFLOW-Surfact Version 4*
  - Including TMP1 Package for transient hydraulic property changes
  - Density-dependent Flow
- PEST Version 12.1 (with BEOPEST)

MODFLOW Packages & Options

- Conduit Flow Process (CFP)
- Sea Water Intrusion (SWI) Package for MODFLOW2000
- PCGn Solver for MODFLOW2000 and MODFLOW2005
- UPW & NWT Packages for MODFLOW-NWT
- MNW2 Package for MODFLOW2000 and MODFLOW2005
- SAMG Solver for MODFLOW2000 and MODFLOW2005*
- Free Format option when writing MODFLOW input files
- Write vertical anisotropy to LPF Package
- Delete and insert stress periods
- Option to not use negative IBOUND values in BASIC Package (use CHD instead)
- Latest GMG solver modifications
- Console versions of MODFLOW2000/2005 compatible with ESI Windows Versions

Groundwater Vistas Interface

- Pan the plan view by grabbing with mouse
- Zoom using scroll wheel on mouse
- Return to previous views
- More buttons on toolbar
- Jump to specific time step
- Delete figures
- Cell inspector to view grid cell properties
- Remembers options selected on key functions (e.g. import surfer files etc.)
- Option to plot pressure head for MODFLOW-Surfact
- Plot miniature hydrographs next to targets and monitoring wells
- Improved cut/copy/paste in all spreadsheets
- Option to activate memory compression (not available in Standard version)
- Draw outline of active model grid
- Option to only draw active grid cells
- Option to lock analytic elements so they cannot be accidentally moved
- Convert shapefiles to KML for display in Google Earth
- Color-flood Boundary Condition cells based on computed flux
- Compute mean/standard deviation for range of time steps in transient run
- Associate projection file with exported shapefiles
- Significantly expanded list of commands in automated reports/run logs
- Enhanced Legend Contents

Pest and Calibration

- Estimate vertical anisotropy (zones or pilot points)
- Display pilot points that hit bounds
- Display N largest residuals
- Automatically rename all pilot points
- Transient target report
- Option to use command-line model versions
- Censored targets
- Function to Shift Target Times
- Flow direction targets
- Setup of Beopest runs

** Higher number based on ESI's Standard Benchmark Simulation (mostly CPU with limited disk I/O)
* Extra charge item.

Aquifer^{Win32} Version 4

New License   **$650.00**
Upgrade from V3   **$300.00**

Notes:

Aquifer ^{Win32} and Winflow have been merged into 1 product
This is equivalent to the old Modeling Version but at reduced price
Winflow has been discontinued as a separate product

The upgrade price above is from any version of Aquifer ^{Win32} V3 or Winflow V3
For Upgrades from version 2, add $250

Users who purchased Aquifer ^{Win32} Pro or Winflow after December 1, 2010 can upgrade for $150
Aquifer ^{Win32} Modeling Version Users only who purchased after December 1, 2010 get a free upgrade to V4
Aquifer ^{Win32} Modeling Version Users only who purchased after October 1, 2010 can upgrade for $150

New Policy: **All Users MUST return their existing hardware locks.**
                                If the user needs to use existing version for project reasons,
                                 they may receive a temporary security code during the transition to V4

What's New In Aquifer^{win32} Version 4.0

The Aquifer^{Win32} update is designed to bring users of all levels of Aquifer^{Win32} and WinFlow to the Modeling Version of Aquifer^{Win32}. WinFlow users gain all the aquifer test analyses and Aquifer^{Win32} Professional users gain analytic element modeling capabilities. Additional enhancements have been made based on user requests. Every attempt has been made to make the application more user-friendly and full featured. We will continually be enhancing Aquifer^{Win32} and all interim releases will be free and downloadable from the internet until Version 5.0 is available.

The major changes are summarized below:

- **New analyses**

  - Split Version 2.3 – Analytic element flow model developed by Igor Jankovic supporting single layer groundwater flow in heterogeneous aquifers

- **New functionality**

  - A new layout view capability has been added in which headers and footers can be viewed and manipulated on screen.

  - Multiple map overlays are now supported including the ability to generate one on screen using available annotations.

  - Analytic elements are checked at calculation time to identify those that are not supported by the selected model.

  - Additional annotations are added including polylines, polygons and a north arrow.

  - Better control over the color flooding including specifying specific colors for specific value transitions.

  - Ponds and flux linesinks are now supported in the Theis, Hantush, Hantush and Jacob, and Neuman solutions.

File   Edit   View   Add   Calc   Window   Help

0.05

	Time (min)	Drawdown (ft)
1	0.2	1.76
2	0.5	2.75
3	1	3.59
4	2	4.26
5	5	5.28
6	10	5.9
7	20	6.47
8	50	6.92
9	100	7.11
10	200	7.2
11	500	7.21
12	1000	7.21
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Hantush and Jacob, 1955

W(u,r/B) vs 1/u

0.05
0.25
0.50
1.00
2.00
3.00

LEGEND

Transmissivity	13307.29 sq ft/d
Storage Coefficient	9.85e-005
MW1 r/B	0.0497814
MW2 r/B	0.253854
MW3 r/B	0.503528

△ Well MW1   × Well MW3   + Well MW2

esi Environmental Simulations Inc.

Hypothetical Aquifer Test Reported by Lohman, Page 31

Client: Nonein Particular	Site: Somewhere Outthere	Test Date: 10/16/97
Job Number: 97C0146-2	Analyst: DBR	Figure: 1

MatchData - MW1   Site Map   Predicted

For Help, press F1

Optimized | T = 13307.3 | S = 9.84857e-005 | r/B = 0.0497814 | 0.05 | Valid