



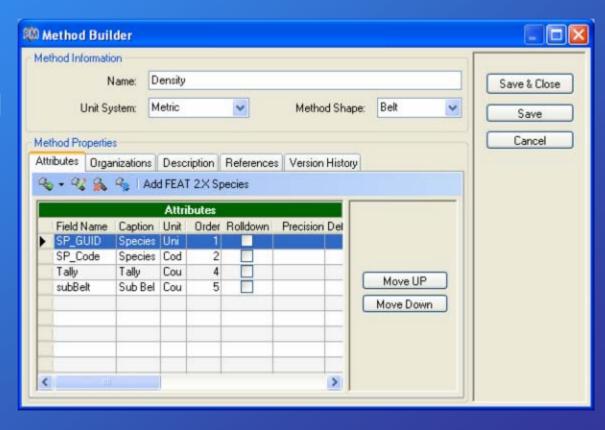
- Geographic potential in monitoring programs
- Many tools are built around analyses specific to current needs
- Need for flexibility in field methods

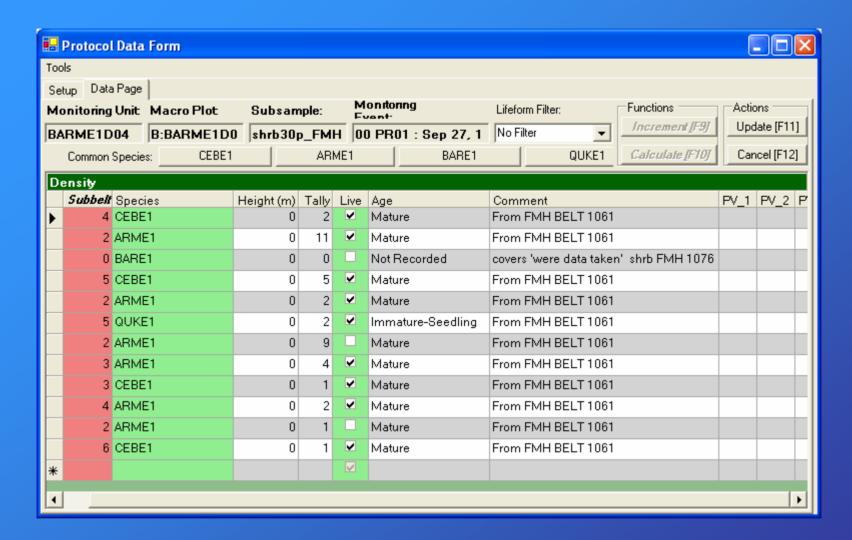
FEAT

- Fire Ecology Assessment Tool
- In use for 3 years across the NPS
- Suited to other environmental monitoring programs
- SQL Server 2000 Desktop Engine
- ArcMap 9.1
- Primarily a tabular application
- GIS plays a supporting role

Protocol Manager

- FEAT is not built around a set of methods
- Supportsany samplingmethod

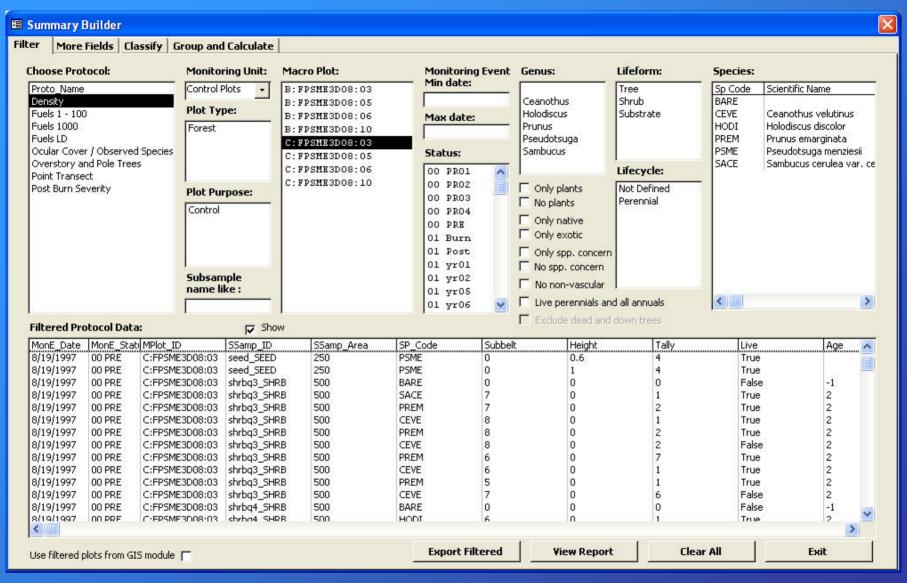




 Auto-generated data collection forms adapt to new methods

FEAT runs on the PDA too

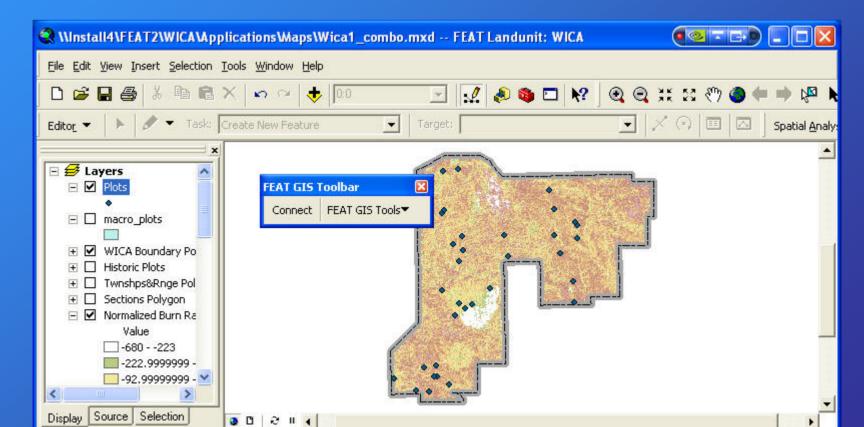




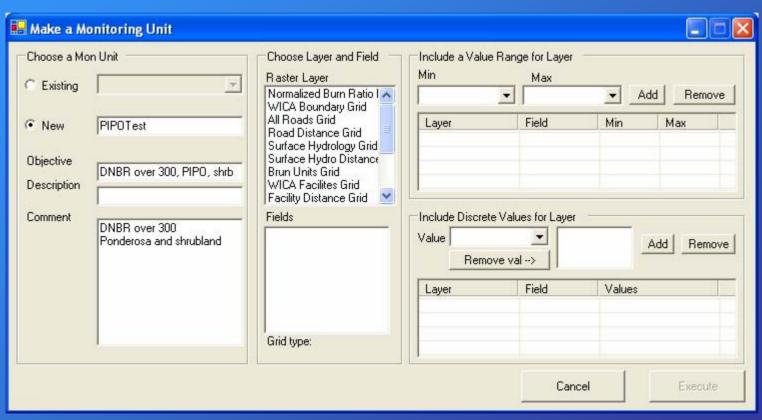
Ad hoc query tool works with new methods

FEAT toolbar in ArcMap

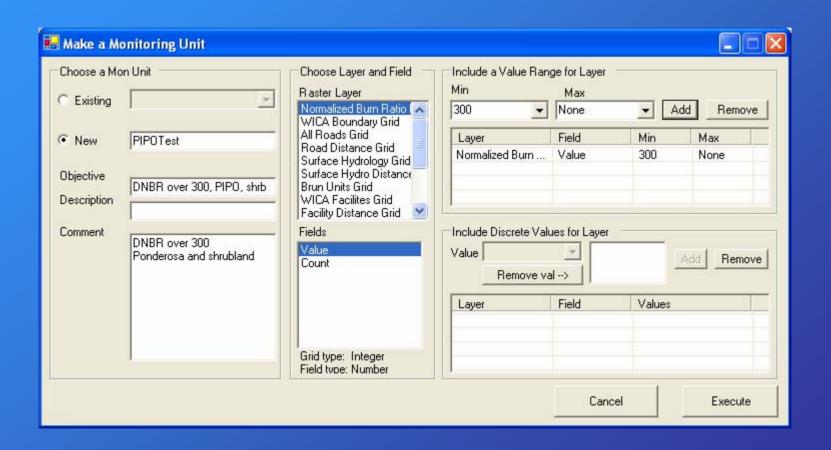
- Optional component of FEAT
- Assumes the help of a GIS specialist



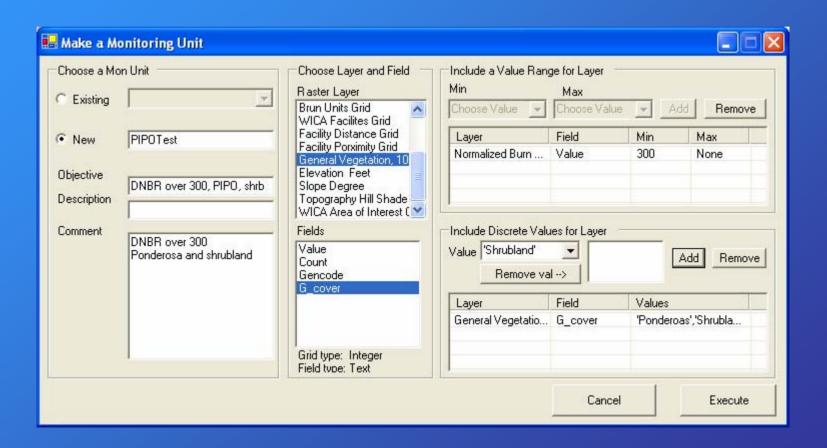
 Stratify the landscape into Monitoring Units

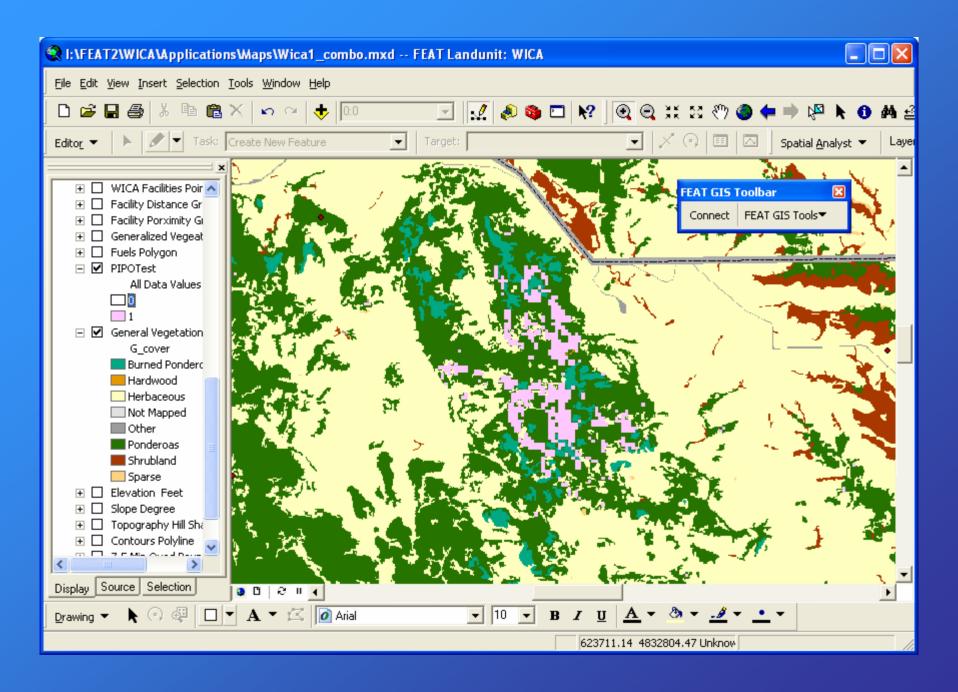


Stratify the landscape by a range of values



Stratify the landscape by discrete values





- Existing plots can be associated with new Monitoring Units
 - In response to pilot sampling
 - In response to new objectives

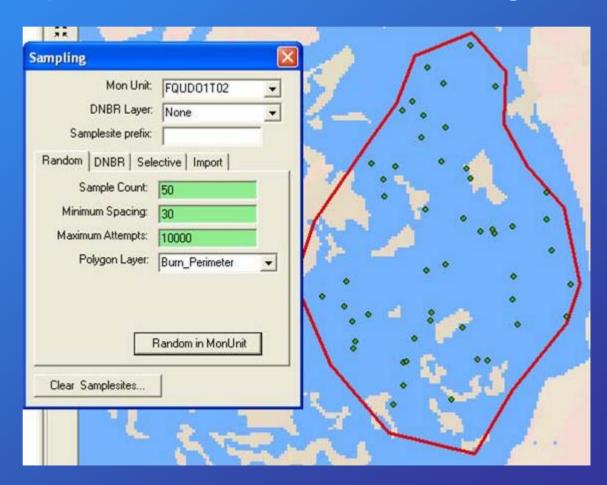
Sampling Setup

Locate random points within a Monitoring

Unit

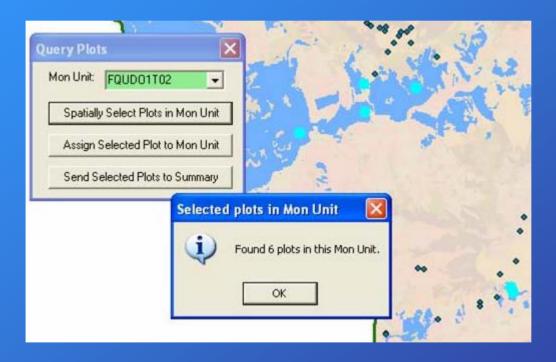
Limit within a polygon

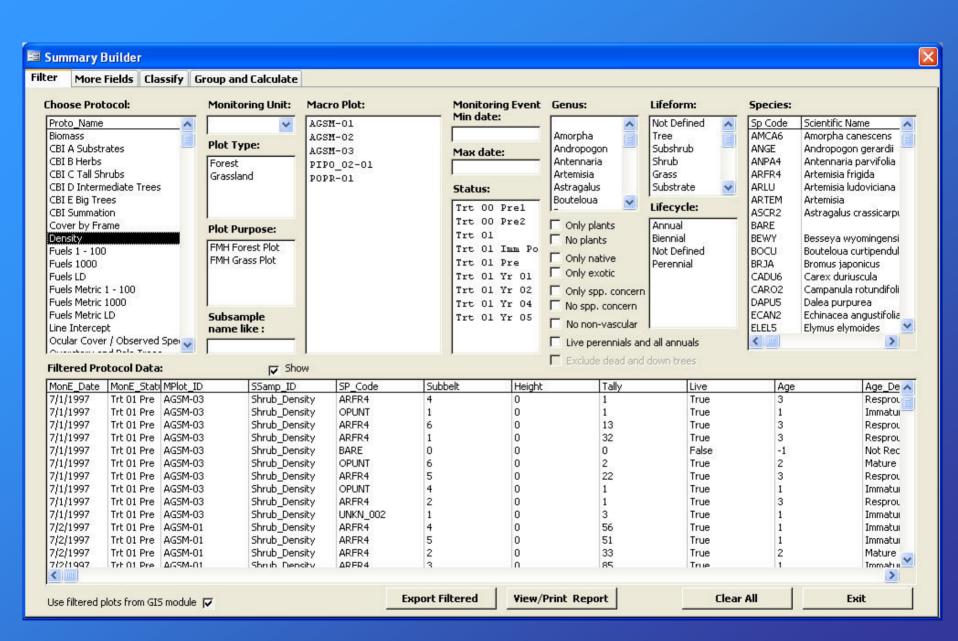
Import points



Analysis

Select plots in ArcMap for analysis





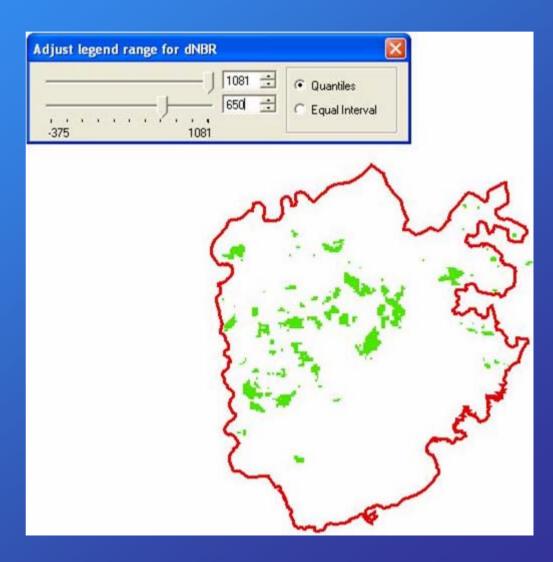


CBI Support

- CBI: Composite Burn Index: based on a set of field methods supported by FIREMON and FEAT
- dNBR: Delta Normalized Burn Ratio: LANDSAT-based

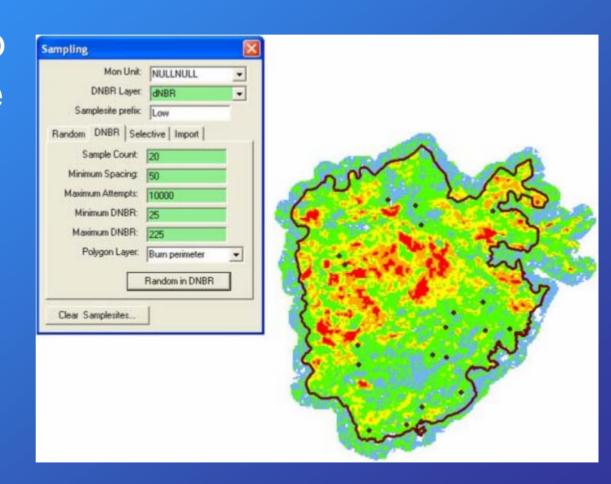
CBI Support

 Adjust legend of dNBR layer to identify severity thresholds

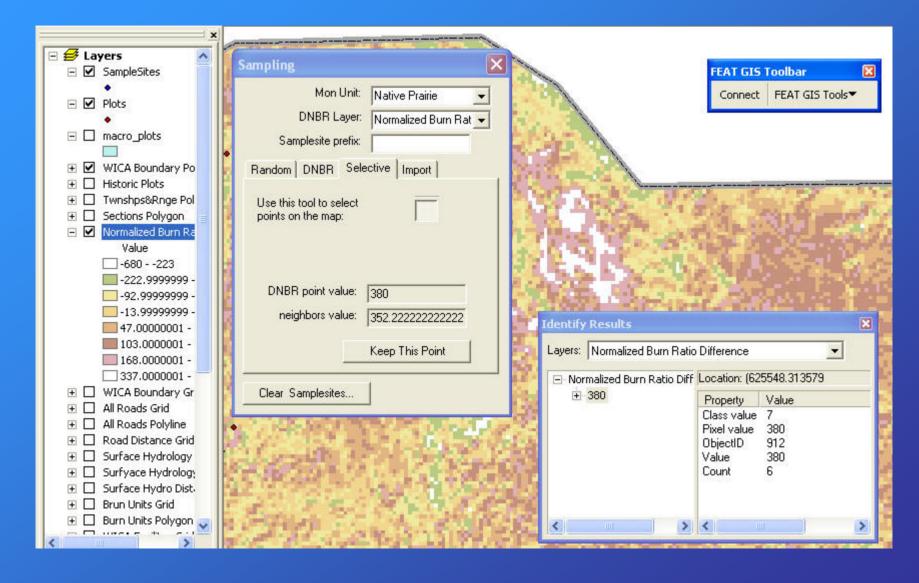


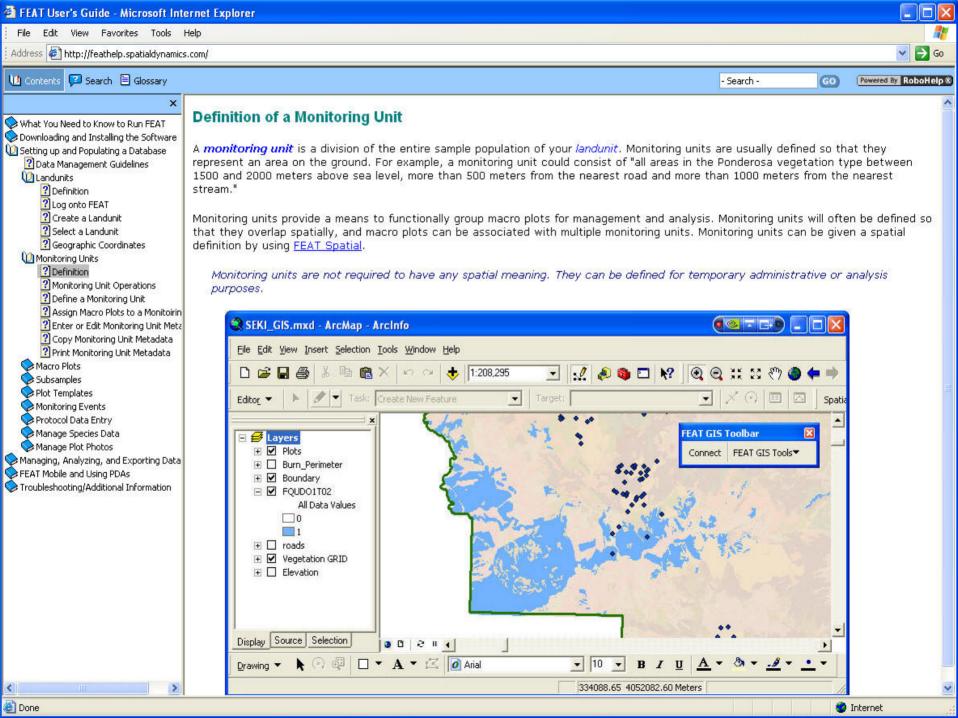
CBI Support

- Sample setup within a value range
- Point and neighbor values stored with points



Selectively place points





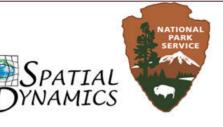
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Spatial Dynamics Development Forum

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Forum Announcements

> What is the Fire Ecology Assessment Tool (FEAT)? -- 6/13/2005 10:00:00 AM

The NPS Fire Ecology Monitoring Program developed FEAT to support fire effects monitoring, however, this tool is not limited to fire effects monitoring. It can also be used for other natural resource applications.... (See the About FEAT section for more information on FEAT.)

- > !!!! ANNOUNCEMENTS !!!! -- 6/13/2005 10:00:00 AM
 - 06/12/06 Forum upload problem from the NPS network (more...)
 - 04/04/06 Wait to buy new PDA's with Windows Mobile 5 (What if I already did?)
 - o 03/10/06 Check out this FEAT compatible PDA running Pocket PC 2003 SE....
 - 12/19/05 Don't use ActiveSync 4 (unless you have Mobile 5) (why?)
 - 12/19/05 Don't use the 'IN-ACTIVE' mon unit. (why?)

FEAT USER'S GUIDE -- 6/7/2005 4:00:00 PM

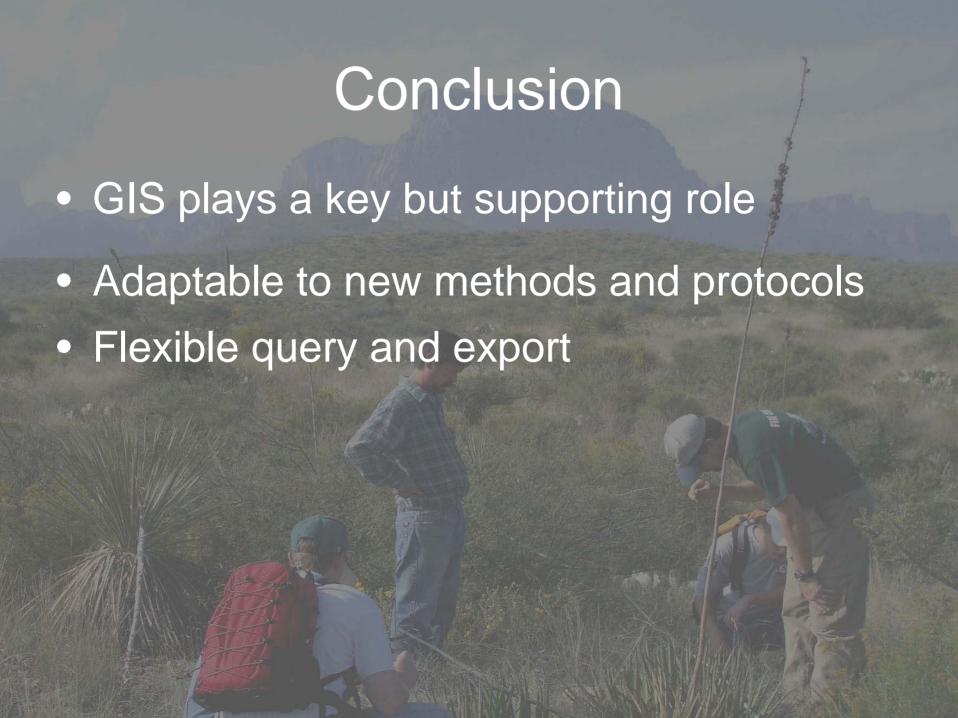
FEAT User's Guide: feathelp.spatialdynamics.com FEAT Spatial User's Guide: featgishelp.spatialdynamics.com

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	Forum Description	Topics	Posts	Last Post
[FE/	AT]			
0	How to Use this Forum Helpful information on navigating through this forum Moderators Spatial Dynamics , NPS Moderators	9	11	Looking up FEAT error message 1/27/2006 12:43:52 PM Austin Streetman
	Sub-forums: FAQs			
<u></u>	About FEAT General information dealing with FEAT, Business Needs Analysis, Upcoming Features, Link to FEAT documentation Moderators Spatial Dynamics , NPS Moderators	6	6	FEAT Documentation 7/26/2005 11:00:53 AM Sabrina Beus
	Sub-forums: Pictures from the Field			
0	Download/Install FEAT You must register as a member of this forum to download FEAT Moderators Spatial Dynamics	6	6	Summary Builder 2.4 update 1 2/23/2006 3:10:04 PM Austin Streetman
0	FEAT 2.4 User Support Issues, questions, and comments related to FEAT 2.4. This forum covers both the Desktop and Mobile version. Moderators Spatial Dynamics, NPS Moderators	92	238	RE: Datum Change 7/28/2006 12:01:17 PM Austin Streetman

Future

- FIREMON / FEAT integration Fall 2007
- More vector inputs in stratification
- Legend tool to work with five severity classes
- Display of analysis results
- Plot photos
- GPS integration



For more information

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