

## Meeting with USGS Denver, 1/26/2001

Persons involved: Pat Lineback, John Guthrie, Mike Hutt, Lee Aggers, Stan Wilds

- Discussed FGDC Clearinghouse with John and desire to turn the SSGIC into a clearinghouse node. He didn't think it would be a problem. Just need to make sure we have compliant metadata with any of our data.
- Dan Custer is the Point-Of-Contact who will be setting up the server. The hardware appears to be in. It includes the IBM Netfinity 7100 server, one processor (expandable to 4), and three harddrives each 34.6 gigs in size. The Serial #23D8015, Model#31y, and Machine type 8666.
- An EPA web site for monitoring amphibians and reptiles is up and barely functional. It is worth keeping an eye on to see how it progresses. Need a URL from John Guthrie. Susan Goplen is the USGS employee working on this project.
- Dan Custer should research and determine what the terms of the current maintenance agreement are with the IBM server and whether we need to purchase some more maintenance protection on it.
- Pat needs to apply very soon for an ArcIMS license for the SSGIC server. Going to go through the ESRI Conservation Program and see if we can purchase for \$5,000.
- John is going to provide Pat with a copy of the DRAFT agreement between NIFC and USGS. We thought that there should be some umbrella authority under this agreement to allow SSGIC type agreements for regional collaborations. Somehow we have to make it easy for other collaborative groups to get support and plug into a collaborative agreement that would work.
- The agreement between the USGS and SSGIC will, for simplification purposes include only the NPS and USGS. We thought that would simplify the entire process.
- PHP software comes with Apache; it is XML code that makes calls to Apache & brings answers back to the client. It is embedded in the Web browser environment and is cleaner than the normal interface. This is what we may want to use for remote admin. Still very fuzzy to pat on what it does.
- Requirements for SSGIC on our Web/Mapping Site
  - FTP upload & download – upload is secure and download is public
  - ArcIMS – initially to provide only image map services, but do want to test and begin utilizing the feature map services to test “collaboration” functionality in a real world environment.
  - Web Interface
  - Site should be an FGDC clearinghouse node
  - Defined, well-thought out Remote Systems Admin by SSGIC staff
- Responsibilities of USGS
  - Regular tape backups of data and backup media located at two sites
  - Load and upgrade software as needed
  - Help SSGIC develop a security plan. SSGIC has ultimate responsibility for implementation. The server will be outside the USGS firewall.
  - System admin probably by Dan Custer, USGS
  - Assist with some data development, DRG's and DOQ's.
- All image data will be resident on the SSGIC machine, while all vector SDE data will be located on the USGS enterprise server.
- John asked if we were interested in having a backup connection for the SSGIC server. Primary is the DOINET and backup would be commercial with a domain.com address that would cost \$40 to register. I told him that we are interested in having backup access to increase 24/7. So we may need to buy another network card as backup. Current SSGIC network card is gigabyte access.
- Our DOQ's are raw compressed Tiffs. Stan Wilds (303-202-4073) has processed about half of them and waiting to hear from Karen Holmstrom on the other half. Stan has a map of missing data.
- DRG's have all been mosaiced by 1 degree blocks and available. Both DOQ's and DRG's in NAD 27, UTM format.
- Lee Aggers, USGS Denver is going to take some basic “specs” that Pat will generate and craft it into a DRAFT agreement. Agreement to be between USGS and NPS and not include other SSGIC agencies

– to simplify the process. Attachments to the agreement will be an SSGIC map and the major SSGIC agreement.

- John mentioned that the enterprise server Oracle cost \$40,000 and SDE cost \$28,000, so we are gaining a big benefit by tiering off their licensing big time. The new geomac machine (if funded) will cost around \$221,000.
- We will have to load our vector data into SDE and Oracle. Hopefully, USGS can help us develop some kind of CRON processing script that will automatically load our vector data onto the geomac site and make an SDE coverage and populate an Oracle database.
- Will need to define a jobflow process for uploading data remotely.
- The SSGIC server is running Windows 2000 and has X windows server. We will need to install a small piece of client software on the local machines that will allow dialup to the server.
- We talked about three ways for a client to download data to their local box: a) ArcView extension (database access) with a password login using ArcView, b) FTP from both inside ArcIMS GUI and on Home page – two options, and c) ArcIMS extract – doesn't appear to work well right now.
- Decided that in Phase I we need to keep SSGIC simple and get things working. Don't probably need any agreements with PMR or other contractors. John has HTML code that we can use for creating picklists, etc.
- Pat wants the URL for the amphibian site to see how it progresses and get ideas – can John provide this?
- Property numbers from NPS property system were sent to Dan Custer. Dan needs to let Pat know once they've been stuck to the SSGIC server.