**Fundamental**
- Attention to detail x
- Basic communication, problem solving   xxxx
- Basic IT literacy x
- Collaboration skills x
- Commitment, dedication x
- Critical thinking xx
- Enthusiasm x
- File management x
- Geography xxx
- Graphic display of data; cartography xxx
- Humility and curiosity x
- Keep learning/curiosity x
- Reading, writing, math xx
- Respect x
- Self-thinkers, self starters, independent xx
- Solid foundation; not expected to know all xx
- Teamwork and attitude x
- Theory and spatial literacy x

**Skills**
- ArcGIS Server xx
- Basic programming (what's a loop? Condition statements) x
- Experience with remote sensing x
- GE/VE as visualization tools; NOT for analysis x
- Issue of SCALE x
- Modeling, geostatistical analysis xx
- Projections x
- Project Management (AGILE) xxx
- Put data to good use to SOLVE PROBLEMS x
- Raster vs. vector x
- Real-world experience x
- Topology xx
- Version editing x
- Visualization x
- Web mapping xx

**Domain/Discipline Knowledge**
- Domain specific expertise x
- GIS integration into other subjects x
- Know science; apply GIS as tool xxx
- Quantitative skills x
- Scientific method; scientific rigor x
DATA MANAGEMENT:
- Basic database design: x
- Compiling data: x
- Data and attribute manipulation: xx
- Data standards: x
- Exposure to different types of data: x
- Geodatabases: x
- Metadata: x
- Quality control: x
- Understand and organize database files: x
- Understand data; go outside and see it: x

Software specific
- Ability to use software: x
- CAD: x
- Digital globes: xx
- ERDAS: x
- ESRI products: x
- Google Earth/Maps: x
- Open source: x
- SQL Server Spatial: x
- Virtual Earth: x

Programming
- .NET: xx
- C#: x
- Flex: x
- Java: x
- Model Builder: x
- Objects: xx
- Python: xxxx
- Scripting: xx
- Some programming: xxxx
- SQL Server: xx
- VB: x