



## PEDERSEN PLANNING CONSULTANTS

**Gary R. Boutwell**  
**GIS Manager/Planner**

### Work Experience

2005 to Present  
GIS Manager/Planner  
Pedersen Planning  
Consultants  
Encampment, WY

1983-2003  
Chief Petty Officer, U.S.  
Navy

1972-1982  
Mechanic, Open Pit  
Climax Molybdenum  
Climax, Colorado

### Education

2006-2008  
Courses in ArcGIS offered by  
Environmental Systems  
Research Institute (ESRI),  
Denver, CO

1983-2003  
Various mechanical and  
electrical engineering and  
personnel management  
courses provided by the U.S.  
Navy

### Relevant Experience

Gary Boutwell is responsible for performing data collection, general planning research, and planning analyses for projects carried out by Pedersen Planning Consultants (PPC). He prepares land use databases and applies statistical models to various types of planning analyses. Boutwell also develops geographical information systems (GIS) that are applied to most projects completed by the firm. He also manages the firm's local area network and security systems.

Boutwell completed an inventory of almost 9,000 housing units in the City of Rock Springs, Wyoming. Using ArcGIS software, he input this data into attribute tables associated with the Rock Springs GIS to facilitate the completion of various project tasks for the City of Rock Springs Housing Master Plan. Boutwell completed spatial analyses of available community assets and various physical constraints influencing future opportunities for future residential expansion. He also developed a statistical model that was applied to the project to develop population and housing demand forecasts.

Boutwell also coordinated completion of a housing inventory that was made in conjunction with PPC's Hot Springs County Housing Assessment. The inventory included all housing units in the towns of Thermopolis, East Thermopolis, and Kirby.

Boutwell has organized land use inventories, developed geographical information systems, as well as participated in the evaluation of demographic, economic and land use trends, for the for the Wyoming communities of Alpine, Afton, Granger, Thayne, and Star Valley Ranch. These analyses and geographical information systems were completed in conjunction with the firm's preparation of municipal master plans for each of these Wyoming communities.

Boutwell has expanded existing geographical systems for various Colorado and Wyoming communities to incorporate various other types of spatial information, e.g., land use, soils, and utilities data that supported the firm's completion of municipal master plans or other planning services. Land use data input into the geographical information systems was typically derived from a detailed inventory that he organized and completed for all land uses within the community.