

DANIEL V. SYPERSMA

Summary

- Over 30 years experience in natural resource mapping, underground & surface mining, environmental permit mapping, mine timing & scheduling, equipment drawings & computer graphics.

Recent Projects

- Recently completed the Prefeasibility Study for Colowyo Coal Company. Responsible for all mapping/Graphics needs for Mencon LLC, the lead consulting firm on the study. Timing & scheduling, coal reserve mapping, coal quality mapping, JORC maps. During the course of the project, less than 5 months, over 1,500 drawings were created for the final report.
- Resource evaluation & new mining permits for Sutton Partners (Alaska) re-opening Jonesville Coal Mine.



Experience

1994–Present Victor Graphics – Owner & Senior Consultant Elizabeth, CO

Engineering Graphics – Self employed

- Currently lead engineering graphics consultant spearheading the transition at BHP San Juan Coal from a surface coal mine to an underground mine. Involved with all aspects of the reserves studies, civil engineering and training the engineering staff with AutoCad/SurvCadd
- Microsoft Access data base report from the timing model (SurvCadd/AutoCad). Schedule & Timing model for San Juan Coal. 3D AutoCad Design. PowerPoint presentation
- Designed a new generation of proprietary mining software
- 15 years of Due Diligence studies
- Part of the Compressor building design team at SJCC, completing as supervisor on construction
- Established CAD standard for the vendors submitting drawings on the surface construction project.
- Established in-house CAD standards for San Juan Coal Co.
- Currently directing the adapting of GIS & Facilities Management (AutoCad Map) in a mining environment
- Resource mapping including coal quality, coal reserves, property ownership surface facilities
- SurvCadd Software – Mining & Civil engineering software – sales, support, & training
- Equipment Compatibility Studies – Evaluation of underground & surface mining equipment
- Project manager using consultants for diverse assortment of mining related projects
- MS Access - Created databases to handle geological core hole drill data & minerals qualities
- MS Access - Created database to track geological exploration data
- Quarterly & annual maintenance reports for Cyprus Amax underground coal operations – using Rbase relational database software
- PC, Unix, DOS, & Windows 2000, & XP support

- Training in MS Excel, Access & PowerPoint
- Permit mapping for underground coal mines
- Presentation graphics – MS PowerPoint, Adobe Graphics Suite, Adobe Acrobat software
- Line schematics – electrical & coal processing
- Large Format Scanning (Color & BW) for GIS Image files

1988–1994 **Cyprus Coal Company** **Englewood, CO**

Technical Computer Application Coordinator

- Administrator of the Mincom Mining software (UNIX based) – hardware, software & support.
- Established PC/CAD Standards for the entire coal division.
- MIS – In-house maintenance downtime tracking software - produced EOY, quarterly & monthly equipment/production reports for the coal division. Provided support for this proprietary system.
- Moved the coal division from paper (mylar) based drawings into computer-based drawings.
- Coordinated the digitizing of all essential mine drawings into AutoCad format.
- Provided PC support to all ten sites for hardware & software within the coal division.
- Responsible for AutoCad software training at all levels.
- Evaluation of underground mining equipment - compatibility studies.
- Project manager for underground equipment change out.
- Responsible for the annual software & hardware budget.
- Recommended and purchased all software & hardware for Technical Resources department.

During this time period the Cyprus coal division increased profits from \$4mm to \$44mm annually. Due in part to the establishment of engineering standards at the mine sites set from the corporate engineering staff.

1986–1988 **Self employed** **Littleton, CO**

Contract Drafting services

Seismic processing – proprietary software – mainframe computer.

- Permitting, Oil & Gas mapping.
- Overheads presentations.

1984–1986 **Axem Resources (Oil & Gas)** **Denver, CO**

Senior Draftsman

- Responsible for 5 staff members & the department budget.
- Established standards for the drafting department.
- Department workflow & project scheduling.
- Supervised updating drill hole locations & property ownership maps.

1979–1983 **McAdams, Roux & O’Conner** **Denver, CO**

Geophysical Technician

- Seismic Processing, proprietary software – CDC mainframe computer.
 - Data used in oil & gas exploration in the Wyoming Powder River Basin.
- Worked with seismic field crews to maintain company standards in the collection of the data.
- Responsible for the drafting department staff & budget.
- Involved with one of the first 3D Seismic programs in the States

Education

Present **San Juan College** **Farmington NM**

- Completed two courses in Visual Basic and VB for Applications

1996 **Colorado Free University** **Denver, CO**

- Three one day classes on MS Access – Colorado Free University
- Completed several CD's & Video tape training on MS Access, Excel, Word, Visual Basic & Canvas used for self-paced training.

1990-1994 **Regis University** **Denver, CO**

- Working on a degree in Business Administration and Computer Science.

1983-1986 **Community College of Denver** **Denver, CO**

- Various course for credit

1969-1970 **Nettleton Technical Institute** **Columbus, NE**

- Associate Degree in Architectural Engineering, Surveying I

References Available upon request.

Public Longwall USA Convention, 1992 - Conversion to CAD from Paper & Mylar

Speaking Longwall USA Convention, 1993 - Establishment of CAD Standards in Mining