

CHARLEY ORCHARD

(435) 787-2211

www.carruslandsystems.com

PARTNER

Objective: To give land stewards the abilities to capture a working understanding of complex ecological systems, allowing them to better sustain their land, family, business, and culture.

Charley Orchard is a business owner, consultant, instructor, fourth-generation Wyoming rancher, and founder of Land EKG® rangeland consulting firm. His innovative system for upland range monitoring is widely accepted by progressive ranchers and many agency personnel, and it has been effective at visually demonstrating trends in rangeland functions and land health on millions of acres of rangelands. Charley oversees the land monitoring program and works with wildlife, aquatic, forest, and riparian biologists to develop equally effective tools for cost-effectively tracking ecological phenomena.

EDUCATION

MONTANA STATE UNIVERSITY, Bozeman, Montana

Master of Science in Plant & Soils, emphasis in Rangeland Ecology & Adult Education, 1996

Bachelor of Science in Agricultural Engineering Technology, emphasis in Range Science, 1984

Professional development training includes:

- Rangeland Health Version 4 Prototype Software Training, 2005
- Surface Mine Reclamation Workshop, 2003
- Jornada ARS Experimental Range Monitoring Training, 2002
- Riparian Monitoring Workshop, 2002
- Interpreting Rangeland Health Method Training, 2002
- Rangeland Monitoring Manual & Video Course, 2000
- Ranching for Profit School, 1999 and 2000
- Dick Diven's School, Low Cost Cow/Calf, 1999
- Monitoring for Success, 1999
- Personal training with Stan Parsons, National Range Consultant, 1998
- The Great American Land Monitoring Shoot-Out, Consultants, 1998

PROFESSIONAL EXPERIENCE

LAND EKG®, INC.

1994-Present

Executive Director & Agricultural Consultant

- Created and developed Land EKG®, a new land monitoring procedure allowing rapid and user-friendly ecological assessment of rangeland health.
- Established and incorporated a resource management consulting business focusing on grazing management and land monitoring education for agricultural producers in the western U.S. and Canada. Has trained and licensed Land EKG® to +1000 private, federal, and conservation managers since 1996.
- Trained EKG Grazing Planning to TEI general managers overseeing 1.8 million acres on 14 properties.
- Successfully completed Phase 1 and 2 USDA Small Business Innovative Research (SBIR) project. Developed computerized rangeland information system software for pocket computers with web-based data storage, analysis, and reporting capabilities at www.landekg.com.

PROFESSIONAL EXPERIENCE*(Continued)*

SALISBURY RANCH 1994-1996

Ranch Manager

- Coordinated land restoration program for private and conservation properties, USFS, NRCS, and Idaho Watershed Council, and managed gaming program for three ranches.

MONTANA STATE UNIVERSITY 1991-1996

Graduate Teaching Assistant, Soils Department

- Served as Head Teaching Assistant for a 300-student introductory Soils Laboratory.

ORCHARD RANCH, Ten Sleep, Wyoming 1977-1991

Co-Owner / Manager

- Participated in all phases of stock management, planning, and operations for 75,000-acre ranch.

AWARDS

- Best Production Innovations Award, Drovers Journal, 1999
- Recognition for an Innovative Monitoring System, Stan Parsons, Ranch Management Consultant, 1998
- Outstanding Area Supervisor, Wyoming Association of Conservation, 1992

PROFESSIONAL ACTIVITIES

- Member of Association of Rangeland Consultants, 2003-Present
- Member of Society of Range Management, 1996-Present

SELECTED PUBLICATIONS

- Rangelands: Society for Range Management Journal, Dec. 2001 "Management by Monitoring" by Charley Orchard and Chris Mehus
- "Holistic Management gets results in the Northern Rockies" by Dr. Cliff Montagne and Charley Orchard

Featured in the following additional publications:

- Drovers Journal: October 2000 "Drought Happens: Planning, Monitoring and Management can Soften the Blow" by John Maday
- Western Farmer Stockman, July 2000 "Monitoring Your Land's Health" by Joan Waldoch
- Holistic Management: In Practice, March/April 2000 "A New Look at the Dart Game" by Sam Bingham
- The Quivira Coalition, Nov. 1999 "Profile of Good Stewardship: the Davis Family and CS Ranch"