

HEREFORD NATURAL RESOURCE CONSERVATION DISTRICT
And
WHITewater DRAW NATURAL RESOURCE CONSERVATION DISTRICT

Monday, February 25, 2019
9:00 am to 12:30 pm

DRONES AND RANGELAND MONITORING INFORMATIVE MEETING

MINUTES

Present: John Ladd—HNRCD, Pat Call—HNRCD, Jack Ladd—HNRCD, Mike Hayhurst—HNRCD, Steve Boice—HNRCD, Chuck Cunningham—HNRCD, Ivette Cunningham—HNRCD, Nancy Neuman—HNRCD, Fred Davis—WWDNRCD, Peggy Davis—WWDNRCD, Jackie Watkins—WWDNRCD/Cochise County, Frank Krentz—WWDNRCD/AACD, Ruth E. Cowen—WWDNRCS, Stephen Williams—SCNRCD, Chris Postel—SCNRCD, Mary Darling—Darling Geomatics, Ken James—Darling Geomatics, Jeff Gillan—U of A, Joaquin Solis—Cochise County, Dusty Glidewell—NRCS, Kim McReynolds—U of A, Don Decker—NRCS, Mac Donaldson, Richard Searle, Jim Koweek—AZ Revegetate, Cassandra Gorlier—U of A, Tom Reis, Emilio Carrillo—NRCS, Steven Lueck, Keith Hughes—BLM, Zach Driscoll—BLM, Keith Larson—NRCS, Bradley Simmons, Sharma Torrens—AZ Dept. of Agriculture, Kathy Morris—HNRCD

Introductions and welcomes from Fred Davis, John Ladd, and Frank Krentz.

Dusty Glidewell gave an overview of rangeland monitoring in Southern Cochise County.

Pat Call presented a video of what the use of drones in monitoring can accomplish. His video showed impressive scenes of *before and after* use of Spike and mesquite treatment, video taken from his drone.

Mary Darling showed through slides how Darling Geomatics used a drone before, during, and after the Horseshoe Draw project on the Ladd Ranch. She spoke of the many, varied, and detailed projects drones can be used for and of the maintenance of drones.

Jeff Gillan presented a slide overview of how he has used drones in rangeland monitoring as opposed to conventional monitoring in Arizona, New Mexico and California.

Kim McReynolds gave an overview of conventional rangeland monitoring.

Questions were asked by the audience and answered by the speakers.

Approved by the Board March 20, 2019
(Date)

Signed John W. Ladd
(John Ladd, Chairman)