



NICHOLAS DUMKE

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OBJECTIVE

Enhance conservation delivery through technology.

EXPERIENCE

USDA - NRCS

Compliance Specialist; March 2021 – Present

Idaho NRCS Civil Rights Committee (CRC); Nov. 2020 – Present

NRCS Business Tools Experience

- **Conservation Desktop**
 - o Provided training and updates to compliance members, Idaho NRCS, and Idaho FSA on use and functions of Conservation Desktop (CD) to submit Highly Erodible Lands (HEL) and Wetland determination requests.
 - o **Food Security Act Compliance Review to CD, Committee:** Member of national committee providing HELC expertise regarding integration of FSACR into Conservation Desktop. Topics of influence include permissions and workflows in CD along with change of existing policy.
 - o **Soil Conservationist:** As Planner and Lead Planner in Iowa I used CD for all EQIP and CSP Planning. I also provided training to two new employees, when CD was still new.
- **CART**
 - o **Montana NRCS EQIP Mgr:**
 - Created 120 ranking pools.
 - [Created a CART ranking pool guidance sheet.](#)
 - GSPS Certified
 - o **Soil Conservationist:** As a Planner and Lead Planner in Iowa, I used CART for all EQIP and CSP applications.
- **Protracts**
 - o **Montana NRCS EQIP Mgr:**
 - Granted and Managed Permissions, Conducted Quarterly Permissions Review
 - Used Protracts for programmatic activities while in a planner role.
- **Erosion Prediction Tools**
 - o Area East POC for WEPS / Rusle2.

- **Creation of Custom Tools through Various Methods**

- Digital pre-obligation checklist for [EQIP](#) and [CSP](#).
- [Idaho Frozen Soils](#) (MS Excel, python):
 - Combined over 100 MS Excel sheets and built a Graphical User Interface to allow a user to return EI Values from the Frozen Soils List.
- Robotic Process Automation (RPA) through Microsoft Power Automate
 - Automated HEL Determinations. *Time reduction of 85%.*
 - Automated FSACR letter development. *Time reduction of 90%.*
- [Compliance Field Visit Mobile App](#) (MS Power Apps):
 - Digitalized the field review worksheet into a mobile app for use during annual Food Security Act Compliance Reviews (FSACR)
- [WETS Normalization Tables](#) (MS Excel):
 - Combined WETS (Wetland Climate Tables) data for the entire state and automated analysis in Excel.

Conservation Planner and other IT Support Experience (Desired Specialized Experience)

- **Conservation Planner for 3.5 Years (Iowa, and Malad, Idaho)**
- **Other Microsoft Programs Work**
 - [New SharePoint Site for Idaho CRC](#)
 - [True Colors "Test"](#)
- **Skills outside of NRCS**
 - iOS App Development

PRIORITIES

1. Digital Transformation
 - Automate processes & requests; centralize and share information; digitalize documents and improve existing tools. Modernize Idaho NRCS SharePoint and eFOTG. Develop a dynamic Certified Planner Tracking program.
2. Provide and Improve Training to State
 - Develop simple CD / Cart user guides; create video references; develop on-demand training courses.
3. Integration and Advancement
 - Idaho NRCS of the Future; machine learning and data insights; share information and tools between disciplines; identify and advocate for new technologies.

REFERENCES AND SUPERVISOR APPROVAL

References

1. Danny Morrison; Compliance Coordinator; Idaho NRCS
2. Kelley Barkell; ASTC-FA Programs; Montana NRCS
3. Austin Shero; Area Conservationist; Washington NRCS