NICHOLAS DUMKE

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OBJECTIVE

Let computers be computers so Humans can be Humans.

EXPERIENCE

USDA - NRCS

Compliance Specialist; March 2021 – Present

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

- Provided training and updates to compliance members and Idaho NRCS on use and functions of Conservation Desktop (CD) during transition and implementation of use of CD as required platform for Highly Erodible Lands (HEL) and Wetland determination requests.

- While on detail as EQIP Manger for Montana NRCS I:
  - Created 120 ranking pools.
  - Created a CART ranking pool guidance sheet.
  - GSPS Certified
  - Managed and granted ProTracts permissions.
  - Developed a digital pre-obligation checklist for EQIP and CSP.

- Overview of Projects/ Programs I have created / built:
  - New SharePoint Site for Idaho CRC
  - Microsoft Power Apps (2)
    - Compliance Field Visit Mobile App
      - Digitalized the field review worksheet into a mobile app for use during annual Food Security Act Compliance Reviews (FSACR)
    - True Colors "Test"
      - True Colors personality test developed through Microsoft Power Apps used by Idaho NRCS in preparation for Conservation Operations Roundup (August Meeting)
  - Robotic Process Automation (RPA) flows through Microsoft Power Automate
    - Automated HEL Determinations allowing completion of one determination in *85% less time with no user input*, allowing multiple determinations to be run consecutively.
    - Automated FSACR letter development; process involves scraping information from the online database, placing that information into Excel and then merging that information onto notification letters. *Time reduction of 90%* when compared to manual process used in past years.

- Microsoft Excel (with Visual Basic for Applications VBA, and Python coding languages)
  - WETS Normalization Tables:
    - Combined WETS (Wetland Climate Tables) data for the entire state and automated analysis in Excel allowing users to enter a photo year and month to determine the climatic conditions surrounding that photo.
  - Idaho Frozen Soils
    - Combined over 100 MS Excel sheets into one workbook that now allows users to immediately return erosivity index values for soils to determine the dominant critical soil of the field. This determination is important for both compliance and conservation planning.

PRIORITIES

Long Term
1. Digital Transformation
   - Automate processes / requests; centralize and share information; digitalize documents and improve existing tools.
2. Provide and Improve Training to State
   - Simplify 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.

Immediate
1. Simplify CD & Cart information.
2. Modernize Idaho NRCS SharePoint and eFOTG.
3. Develop a dynamic Certified Planner Tracking program.

CONTRIBUTIONS

My philosophy surrounding technology development is as follows:
- Solve problems (Save Time).
- Make program use simple.
- Structure programs for automation, data collection, and data analysis

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

Supervisor Approval:

Danny Morrison