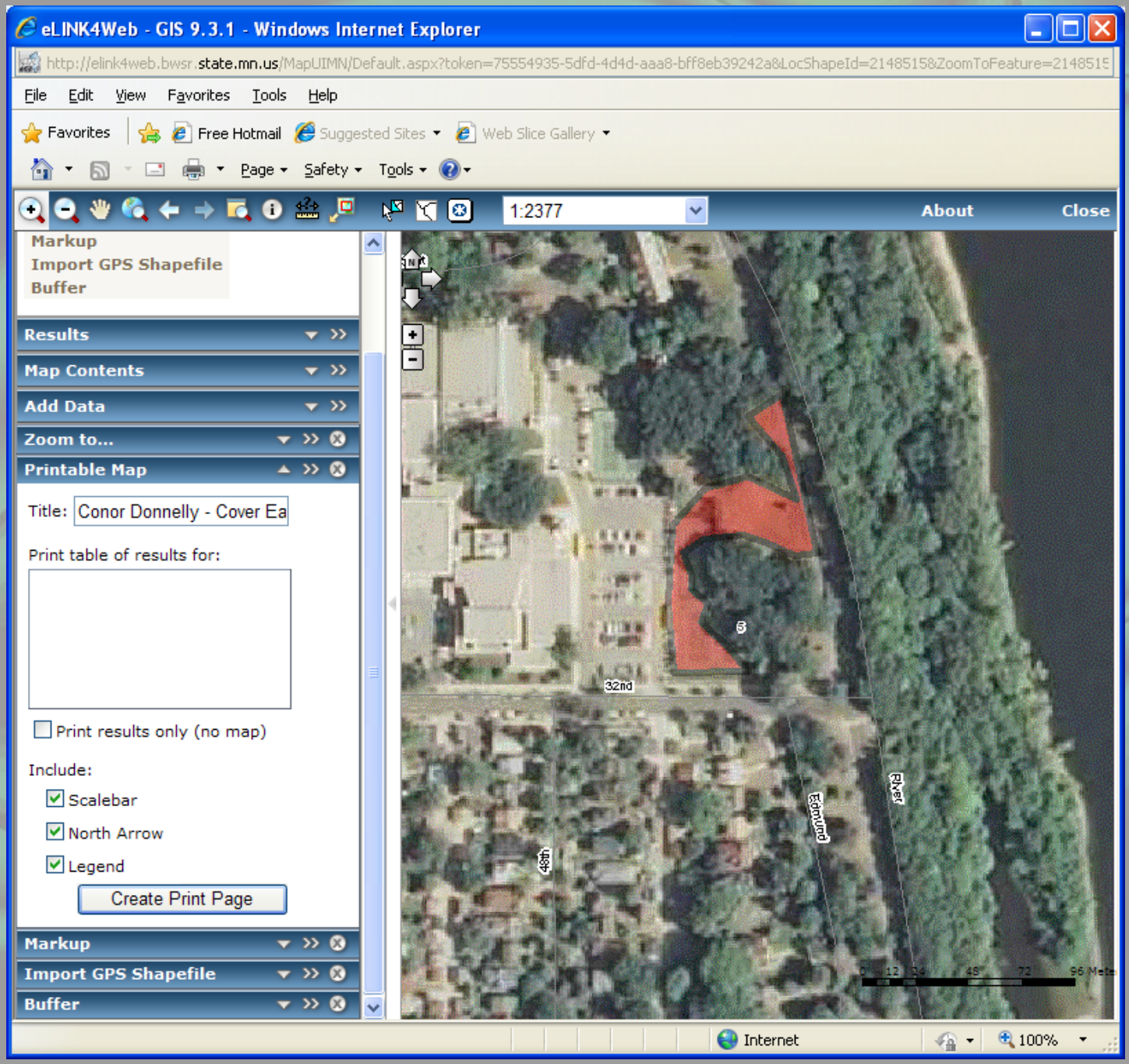
Getting GIS Data Out of eLINK

October 26, 2010

BWSR Academy

“Tell me, what are my options?”

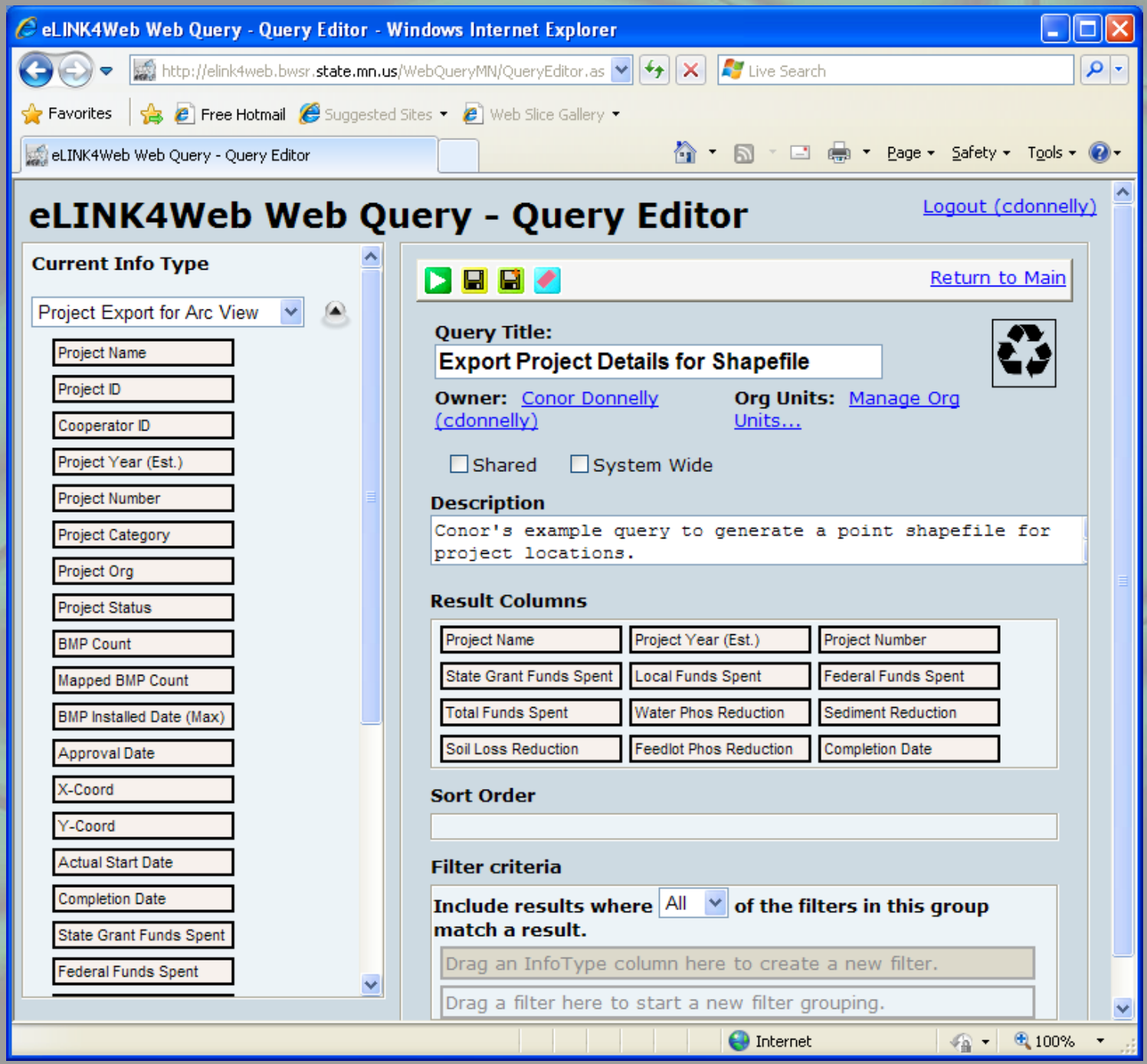
- Draw a BMP in eLINK, click “Printable Map” in the GIS interface.
- eLINK Web Query – Export project details as MS Excel file and create a shapefile in ArcMap.
- Download a Shapefile from BWSR website.
- Access layers via Web Feature Services (WFS).


eLINK4Web - GIS 9.3.1 - Windows Internet Explorer
http://elink4web.bwsr.state.mn.us/MapUIMN/Default.aspx?token=75554935-5dfd-4d4d-aaa8-bff8eb39242a&LocShapeId=2148515&ZoomToFeature=2148515
File Edit View Favorites Tools Help
Favorites Free Hotmail Suggested Sites Web Slice Gallery
Page Safety Tools
1:2377
About
Close
Markup
Import GPS Shapefile
Buffer
Results
Map Contents
Add Data
Zoom to...
Printable Map
Title: Conor Donnelly - Cover Ea
Print table of results for:
Print results only (no map)
Include:
Scalebar
North Arrow
Legend
Create Print Page
Markup
Import GPS Shapefile
Buffer
32nd
49th
Edmund
River
Internet
100%

Comparing these Options

Print Button

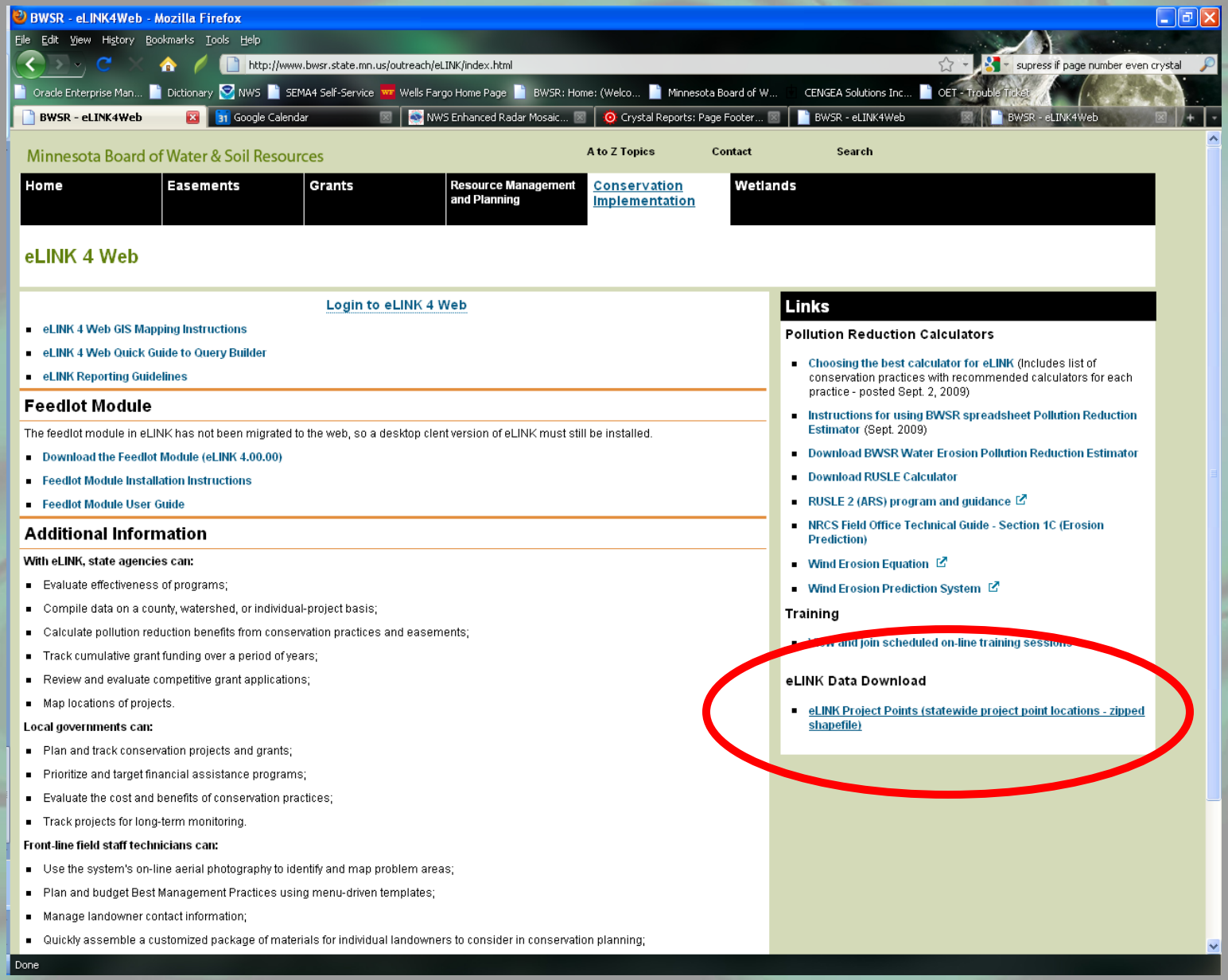
- Easy to get a “map” in one click.
- Can’t change symbology
- Includes a pre-formatted legend
- No other GIS software necessary
- No data to download
- Difficult to add custom labels
- Suitable for general project location reference map.


eLINK4Web Web Query - Query Editor - Windows Internet Explorer
http://elink4web.bwsr.state.mn.us/WebQueryMN/QueryEditor.as
Live Search
Favorites
Free Hotmail
Suggested Sites
Web Slice Gallery
eLINK4Web Web Query - Query Editor
Page
Safety
Tools
eLINK4Web Web Query - Query Editor
Logout (cdonnelly)
Current Info Type
Project Export for Arc View
Project Name
Project ID
Cooperator ID
Project Year (Est.)
Project Number
Project Category
Project Org
Project Status
BMP Count
Mapped BMP Count
BMP Installed Date (Max)
Approval Date
X-Coord
Y-Coord
Actual Start Date
Completion Date
State Grant Funds Spent
Federal Funds Spent
Return to Main
Query Title:
Export Project Details for Shapefile
Owner: Conor Donnelly (cdonnelly)
Org Units: Manage Org Units...
Shared
System Wide
Description
Conor's example query to generate a point shapefile for project locations.
Result Columns
Project Name
Project Year (Est.)
Project Number
State Grant Funds Spent
Local Funds Spent
Federal Funds Spent
Total Funds Spent
Water Phos Reduction
Sediment Reduction
Soil Loss Reduction
Feedlot Phos Reduction
Completion Date
Sort Order
Filter criteria
Include results where All of the filters in this group match a result.
Drag an InfoType column here to create a new filter.
Drag a filter here to start a new filter grouping.
Internet
100%

Comparing these Options

Web Query

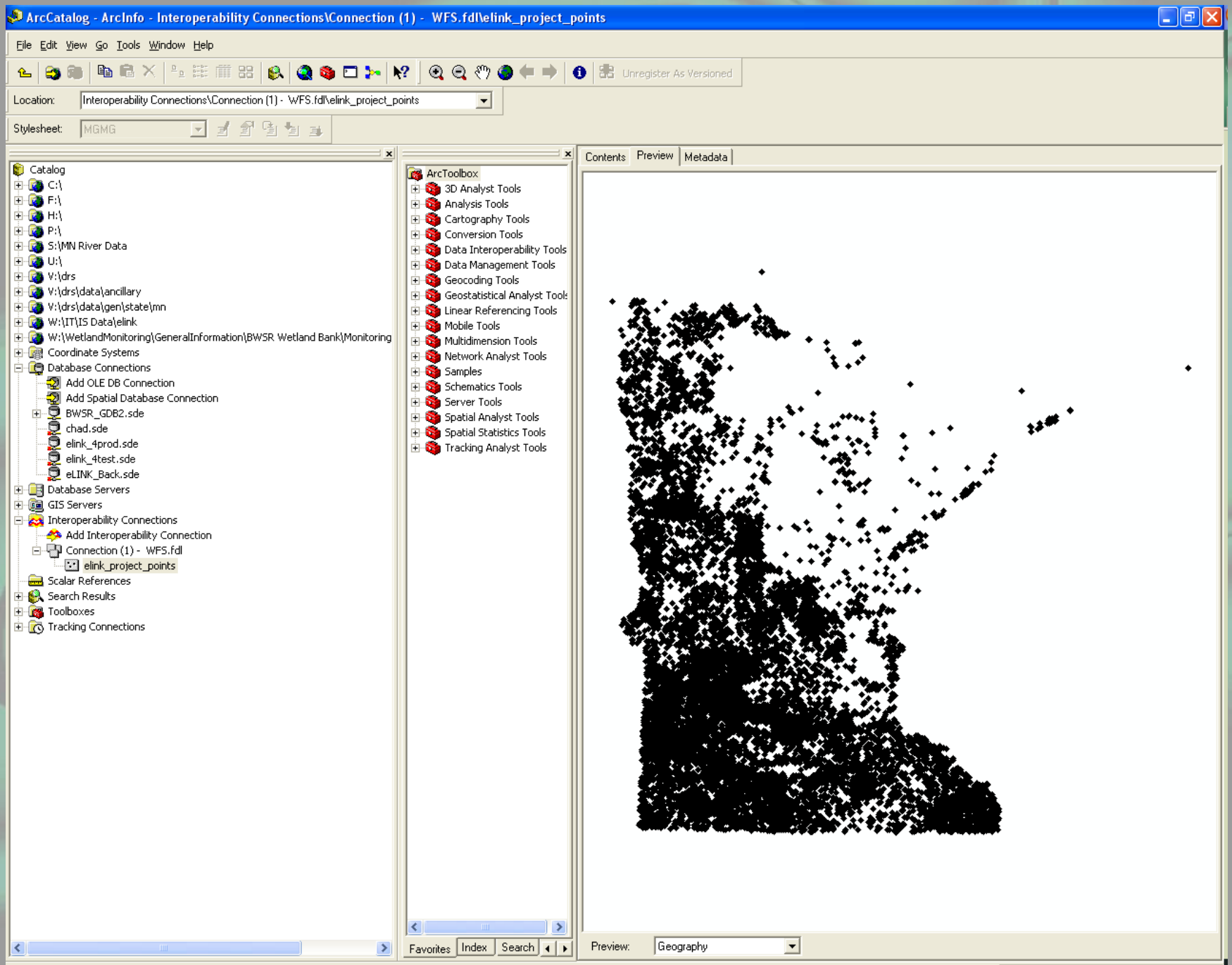
- Only get results for projects within YOUR org unit.
- Allows you to get detailed attribute info about each project
- Symoblizes each project as a point location
- Multiple steps involved, somewhat complicated
- Requires access to GIS software
- Need to repeat process each time updated project info is required.


BWSR - eLINK4Web - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://www.bwsr.state.mn.us/outreach/eLINK/index.html
supress if page number even crystal
Oracle Enterprise Man... Dictionary NWS SEMA4 Self-Service Wells Fargo Home Page BWSR: Home: (Welco... Minnesota Board of W... CENGEA Solutions Inc... OET - Trouble Ticket
BWSR - eLINK4Web
Google Calendar
NWS Enhanced Radar Mosaic...
Crystal Reports: Page Footer...
BWSR - eLINK4Web
BWSR - eLINK4Web
Minnesota Board of Water & Soil Resources
A to Z Topics
Contact
Search
Home
Easements
Grants
Resource Management and Planning
Conservation Implementation
Wetlands
eLINK 4 Web
Login to eLINK 4 Web
eLINK 4 Web GIS Mapping Instructions
eLINK 4 Web Quick Guide to Query Builder
eLINK Reporting Guidelines
Feedlot Module
The feedlot module in eLINK has not been migrated to the web, so a desktop client version of eLINK must still be installed.
Download the Feedlot Module (eLINK 4.00.00)
Feedlot Module Installation Instructions
Feedlot Module User Guide
Additional Information
With eLINK, state agencies can:
Evaluate effectiveness of programs;
Compile data on a county, watershed, or individual-project basis;
Calculate pollution reduction benefits from conservation practices and easements;
Track cumulative grant funding over a period of years;
Review and evaluate competitive grant applications;
Map locations of projects.
Local governments can:
Plan and track conservation projects and grants;
Prioritize and target financial assistance programs;
Evaluate the cost and benefits of conservation practices;
Track projects for long-term monitoring.
Front-line field staff technicians can:
Use the system's on-line aerial photography to identify and map problem areas;
Plan and budget Best Management Practices using menu-driven templates;
Manage landowner contact information;
Quickly assemble a customized package of materials for individual landowners to consider in conservation planning;
Links
Pollution Reduction Calculators
Choosing the best calculator for eLINK (Includes list of conservation practices with recommended calculators for each practice - posted Sept. 2, 2009)
Instructions for using BWSR spreadsheet Pollution Reduction Estimator (Sept. 2009)
Download BWSR Water Erosion Pollution Reduction Estimator
Download RUSLE Calculator
RUSLE 2 (ARS) program and guidance
NRCS Field Office Technical Guide - Section 1C (Erosion Prediction)
Wind Erosion Equation
Wind Erosion Prediction System
Training
eLINK Data Download
eLINK Project Points (statewide project point locations - zipped shapefile)
Done

Comparing these Options

Download a Shapefile

- Statewide extent shows ALL Land and Water projects entered by ANY LGU.
- Allows you to get some useful attribute info about each project
- Symoblizes each project as a point location
- Several steps involved, somewhat less complicated than WebQuery method
- Requires access to GIS software
- Need to repeat process each time updated project info is required.


ArcCatalog - ArcInfo - Interoperability Connections\Connection (1) - WFS.fdl\elink_project_points
File Edit View Go Tools Window Help
Unregister As Versioned
Location: Interoperability Connections\Connection (1) - WFS.fdl\elink_project_points
Stylesheet: MGMG
Catalog
C:\
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S:\MN River Data
U:\
V:\drs
V:\drs\data\ancillary
V:\drs\data\gen\state\mn
W:\IT\IS Data\elink
W:\WetlandMonitoring\GeneralInformation\BWSR Wetland Bank\Monitoring
Coordinate Systems
Database Connections
Add OLE DB Connection
Add Spatial Database Connection
BWSR_GDB2.sde
chad.sde
elink_4prod.sde
elink_4test.sde
eLINK_Back.sde
Database Servers
GIS Servers
Interoperability Connections
Add Interoperability Connection
Connection (1) - WFS.fdl
elink_project_points
Scalar References
Search Results
Toolboxes
Tracking Connections
ArcToolbox
3D Analyst Tools
Analysis Tools
Cartography Tools
Conversion Tools
Data Interoperability Tools
Data Management Tools
Geocoding Tools
Geostatistical Analyst Tools
Linear Referencing Tools
Mobile Tools
Multidimension Tools
Network Analyst Tools
Samples
Schematics Tools
Server Tools
Spatial Analyst Tools
Spatial Statistics Tools
Tracking Analyst Tools
Favorites Index Search
Contents Preview Metadata
Preview: Geography

Comparing these Options

Web Feature Service

- Statewide extent shows ALL Land and Water projects entered by ANY LGU.
- Allows you to get some useful attribute info about each project.
- Symoblizes each project as a point location, but symbology can be changed
- Can be used anywhere in ArcGIS just as you'd use locally stored shapefiles.
- Can use for geoprocessing (buffer, clip, erase)
- Can export to a locally stored shapefile if you want.
- Requires GIS software.
- Layer is ***updated automatically*** as new projects are added. No need to download new version, ever again!