



Data Management Tools at SWAN: Behind the Scenes

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Overview

- What are data management tools?
- Where are we coming from?
- What tools do we have now?
- What tools are on the way?





Description of Tools

- DM tools are anything that ensures...
 - Data managed by the network are of high quality
 - Network data can be easily interpreted
 - Data are secure for the long term
 - Network data are readily available



DMP - Sept. 2006, Executive Summary, Pg. ES-1





Data Management Timeline...

Natural Resources Challenge

Dorothy Mortenson
SWAN Data Manager
Extraordinaire

DMP
Sep. 2006

AD

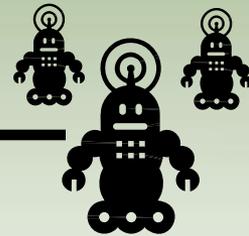
2250 AD

Sep. 2008

“DM3000”

FY1999

“Big Bang”





What tools do we have right now...

- Data Manager (yes, I'm a tool) 
- NatureBIB/NPSSpecies/NPSStoret
- SWAN Public website
- Intranet Site

“If you do what you’ve always done, you’ll get what you’ve always gotten.”

Anthony Robbins, DMP - Sept. 2006, Pg. 13-1

“Tradition – We are proud of it, we learn from it, we are not bound by it”

NPS Core Values





What does the Data Manager do?

- Maintain SWAN website
- NPSpecies/NatureBIB POC
- Equipment Acquisition and Maintenance (Computers, Trimble GPS, Software)
- SOPs, DMP
- Access Databases
- QA/QC





What tools are on the way?

- SharePoint
- I&M Program Manager Ver. 2.5
(Scott Miller, ARCN)
- Template for Network public website
(SWAN, ARCN, CAKN, SEAN)





SharePoint

- We already have it!
- Sites are ASP.NET 2.0 Applications served using IIS and SQL Server database as backend storage
- Browser-based collaboration and document-management platform
 - Versioning, check-in/check-out
- Collaborative workspace
 - Calendars, Tasks, Meetings





SharePoint Screenshots...

The screenshot shows a SharePoint calendar for April 2009. The calendar is displayed in a grid view with columns for days of the week and rows for dates. The following table summarizes the events shown in the calendar:

Day	Event
April 29 (Sunday)	MBM Survey
April 30 (Monday)	MBM Survey
April 31 (Tuesday)	SWAN Science Symposium
April 1 (Wednesday)	SWAN Science Symposium
April 2 (Thursday)	SWAN Science Symposium
April 3 (Friday)	SWAN Science Symposium
April 4 (Saturday)	SWAN Science Symposium
April 5 (Sunday)	
April 6 (Monday)	
April 7 (Tuesday)	RAWS Setup
April 8 (Wednesday)	
April 9 (Thursday)	
April 10 (Friday)	
April 11 (Saturday)	
April 12 (Sunday)	
April 13 (Monday)	
April 14 (Tuesday)	
April 15 (Wednesday)	
April 16 (Thursday)	
April 17 (Friday)	
April 18 (Saturday)	PWS Beachwalks (Gyre?)
April 19 (Sunday)	
April 20 (Monday)	PWS Beachwalks (Gyre?)
April 21 (Tuesday)	PWS Beachwalks (Gyre?)
April 22 (Wednesday)	PWS Beachwalks (Gyre?)
April 23 (Thursday)	PWS Beachwalks (Gyre?)
April 24 (Friday)	PWS Beachwalks (Gyre?)
April 25 (Saturday)	PWS Beachwalks (Gyre?)
April 26 (Sunday)	
April 27 (Monday)	PWS Beachwalks (Gyre?)
April 28 (Tuesday)	Harding Icefield alternate week
April 29 (Wednesday)	Harding Icefield alternate week
April 30 (Thursday)	Harding Icefield alternate week
April 1 (Friday)	Harding Icefield alternate week
April 2 (Saturday)	Harding Icefield alternate week





I & M Program Manager

- Developed by Scott Miller at ARCN
- Uses Access front-end client and SQL Server (Ft. Collins/WASO) as backend storage
 - User only interfaces with Access forms
- Facilitates I&M tracking
 - Projects, Documents, Vital Sign Progress
- Available now!
- SWAN needs to be populated





I & M Program Manager screenshots

Vital Sign Detail

Arctic ground squirrel

General | Contacts | Objectives | Sampling Design | Natural Resource Brief | Related Projects | Tasks | Documents

Vital Sign Title:

URL For More Info: [View in browser...](#)

Milestones: PDS Written Protocols Written Peer Reviewed

Scheduled Implementation Date:

Project Leader:

Parks in which this Vital Sign will be implemented:

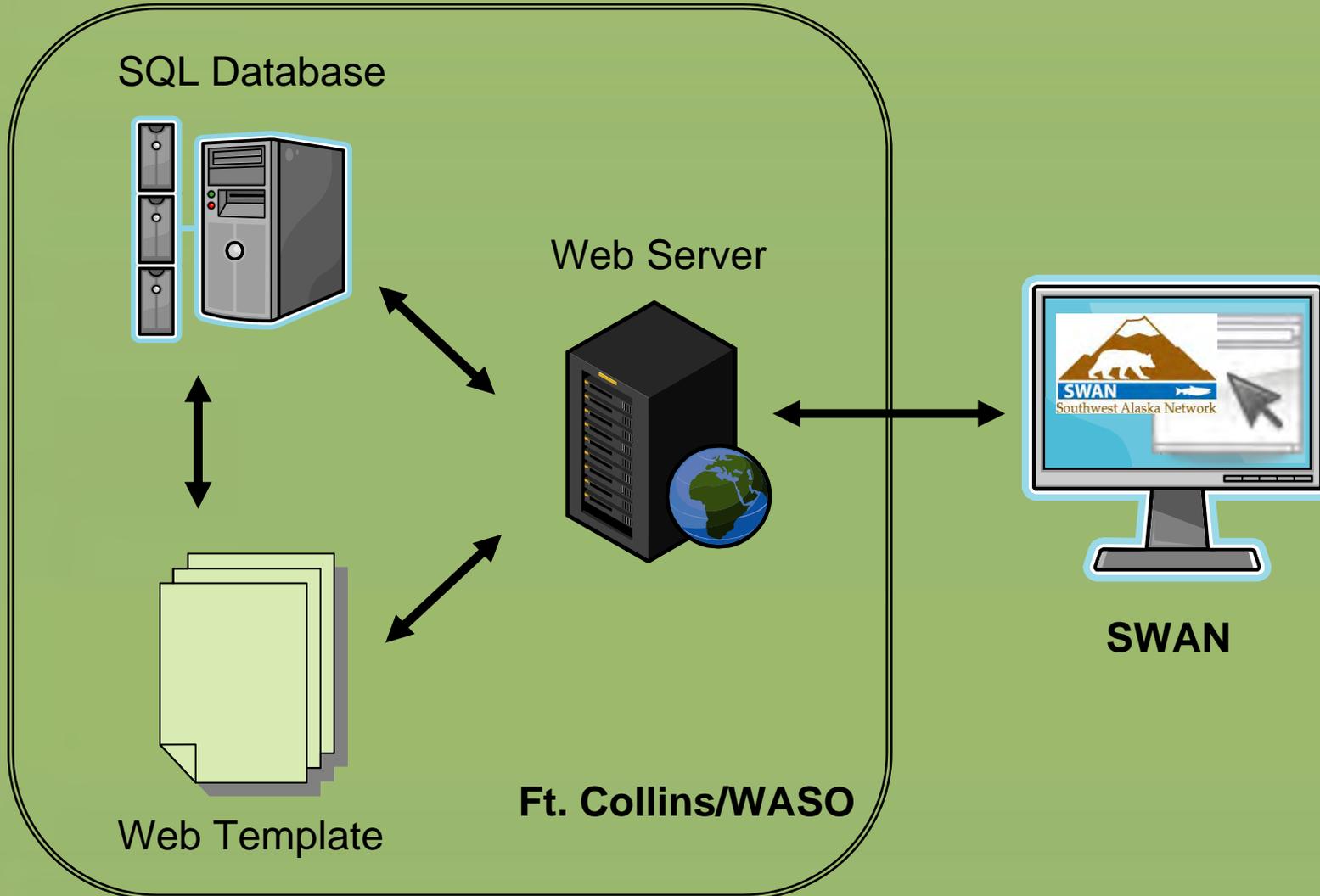
ParkCode	ParkName	Network
DENA	Denali	06 Central Alaska
WRST	Wrangell-St. Elias	06 Central Alaska
YUCH	Yukon-Charley Rivers	06 Central Alaska

FilesDirectory:





Template for Network public website





Continuing to improve

- 3 Year Review
 - October 26-30, 2009
- Comments/Suggestions from the users like you
- Data Manager's Conference
 - April 20-24, 2009

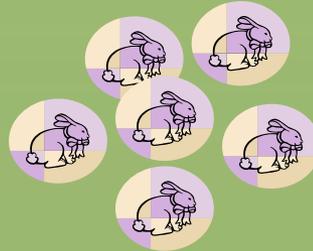




Greater than or equal to....



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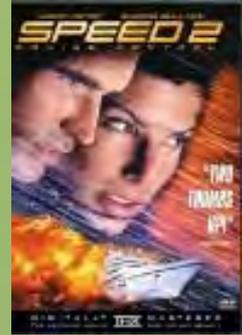
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Greater than or equal to....

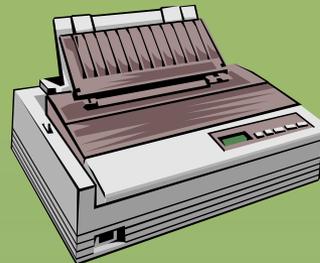
SQL >



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DMP >





Questions

*“No matter how much you push the envelope,
it’ll still be stationery!”*

