“A” Solution to the Disconnected Work Place

Tom Richie

Chihuahuan Desert Network

“A” Solution to the Disconnected Work Place

Collecting Protocol Data with a Silverlight Interface.

“A” Solution to the Disconnected Work Place

Collecting Protocol Data with ~~Silverlight~~ Interface.

Collecting Protocol Data with Access in a disconnected environment.

"A" Solution to the Disconnected Work Place

Goals of Electronic field data collection

- Reduce errors by using QA/QC within the application where practical.
- Reduce transcription errors.
- Reduce labor costs by reducing duplicate data entry.

“A” Solution to the Disconnected Work Place

System components:

- Master database in in the office.
- Field database(s) for collection.
- Replication/synchronization.
- Dissemination.

“A” Solution to the Disconnected Work Place

“A” Solution to the Disconnected Work Place

Master database

- SharePoint

Field database

- Access

Replication and Dissemination

- SharePoint

“A” Solution to the Disconnected Work Place

SharePoint List

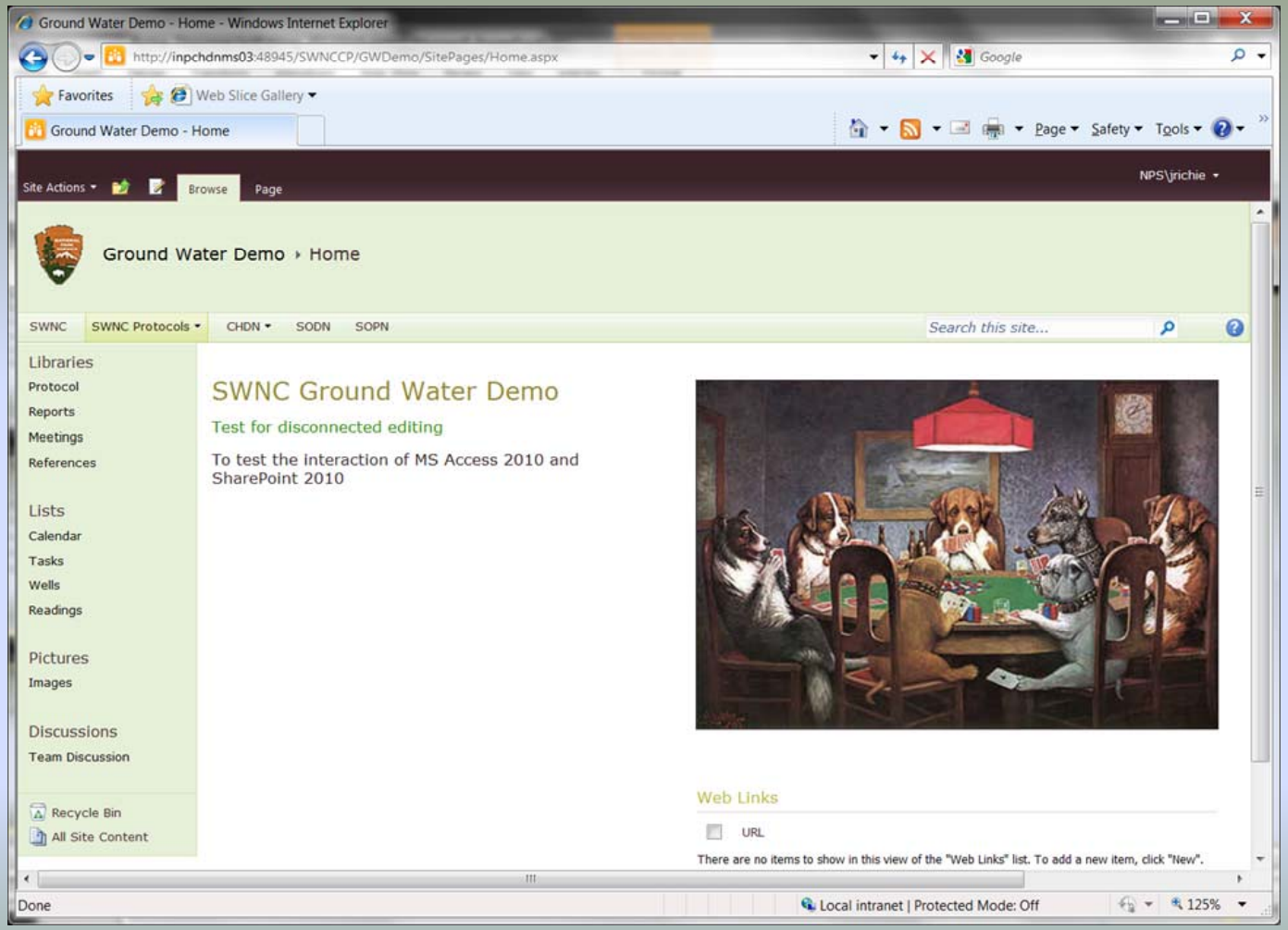
Link to Access

Take off-line

Edit/Add records

Reconnect and Synchronize

SharePoint List



SharePoint List

Readings - All Items - Windows Internet Explorer

http://inpchdnms03:48945/SWNCCP/GWDemo/Lists/Readings/AllItems.aspx

Readings - All Items

Libraries
Protocol
Reports
Meetings
References

Lists
Calendar
Tasks
Wells
Readings

Pictures
Images

Discussions
Team Discussion

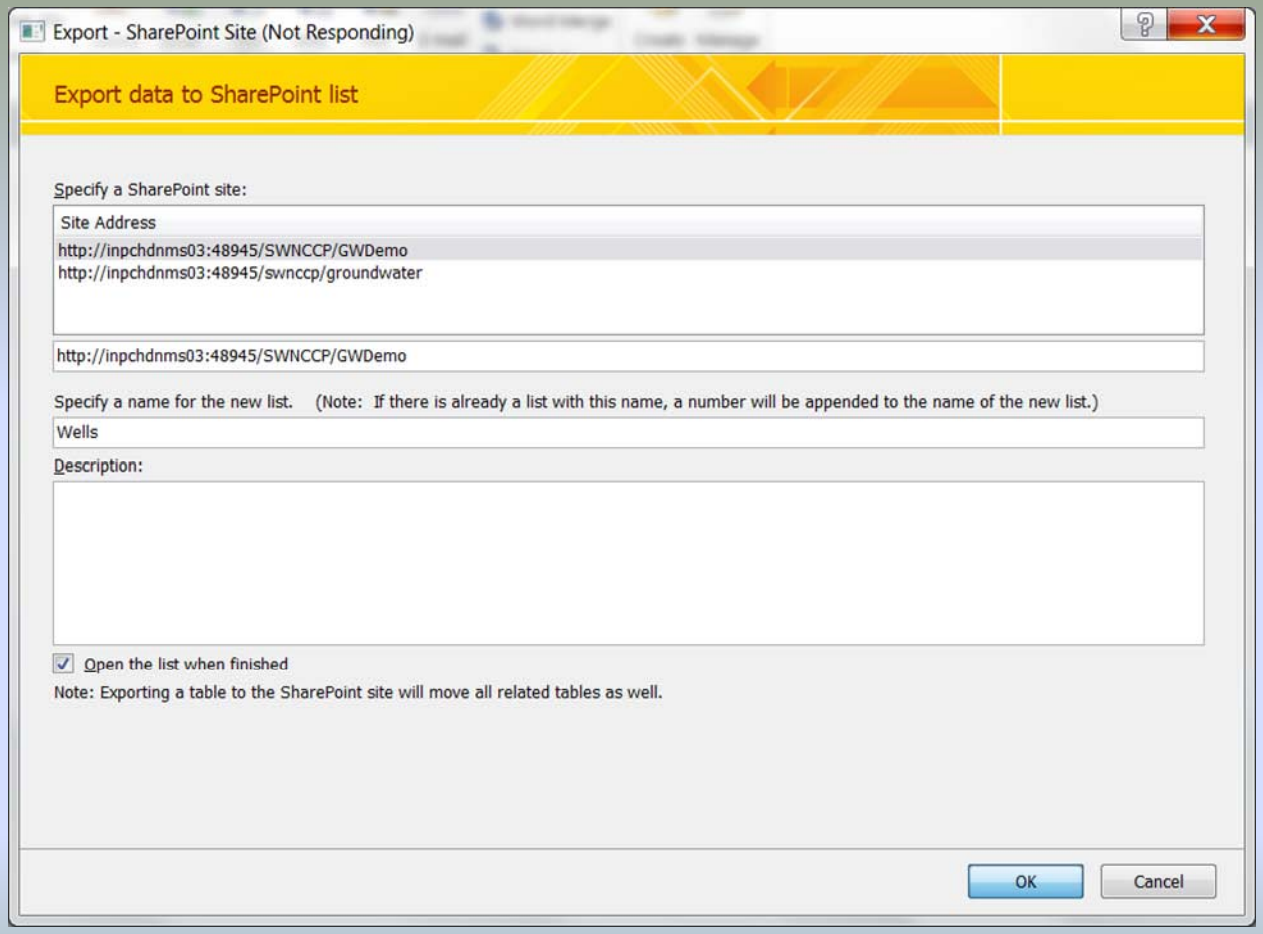
Recycle Bin
All Site Content

Well_ID	Depth to Water	Field Notes	Date
BIBE_GW001	175.02		3/12/2011
BIBE_GW001	164.50		3/11/2011
BIBE_GW002	15.00		3/9/2011
BIBE_GW002	18.00		3/10/2011
BIBE_GW001	123.00		3/3/2011
BIBE_GW001	123.00		3/4/2011
BIBE_GW003	45.00		3/10/2011
BIBE_GW004	1,234.00		2/28/2011
BIBE_GW003	99.00		3/14/2011
BIBE_GW002	90.00		3/14/2011
BIBE_GW001	80.00		3/14/2011
BIBE_GW002	75.00		3/15/2011
BIBE_GW002	34.00		3/16/2011
BIBE_GW004	54.00		3/17/2011
BIBE_GW002	43.00		3/30/2011
BIBE_GW002	65.00		4/4/2011
BIBE_GW002	345.00		4/7/2011
BIBE_GW003	123.00		3/16/2011

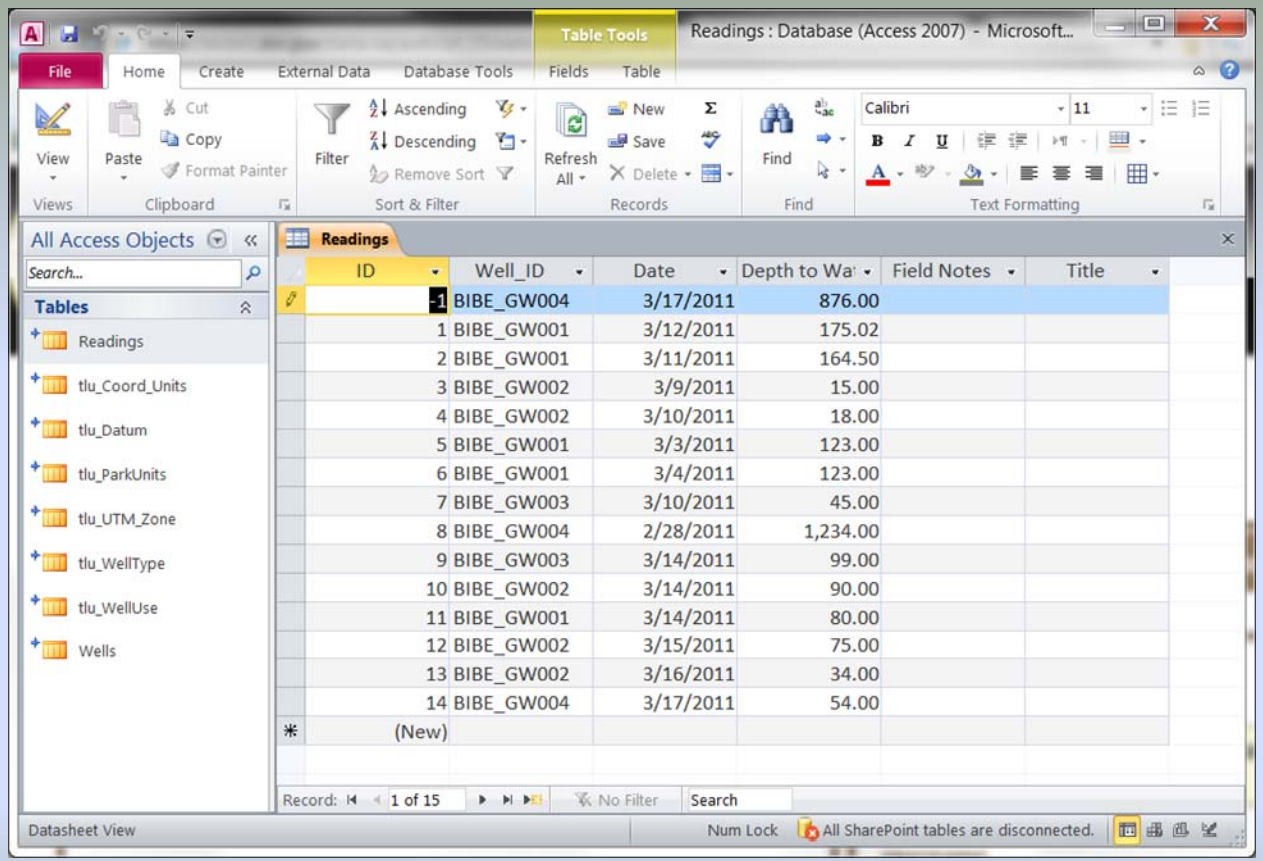
Add new item

Local intranet | Protected Mode: Off

SharePoint List

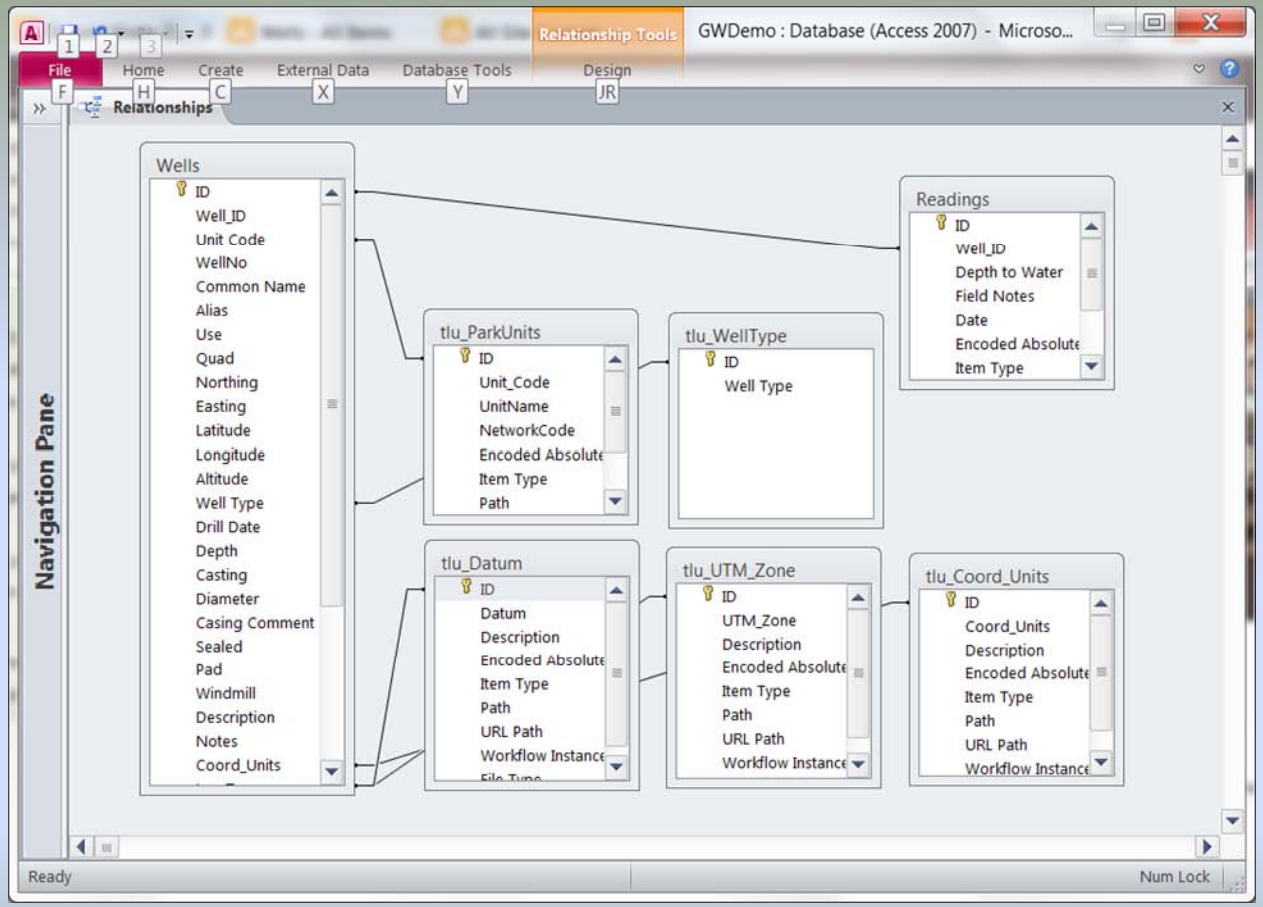


SharePoint List

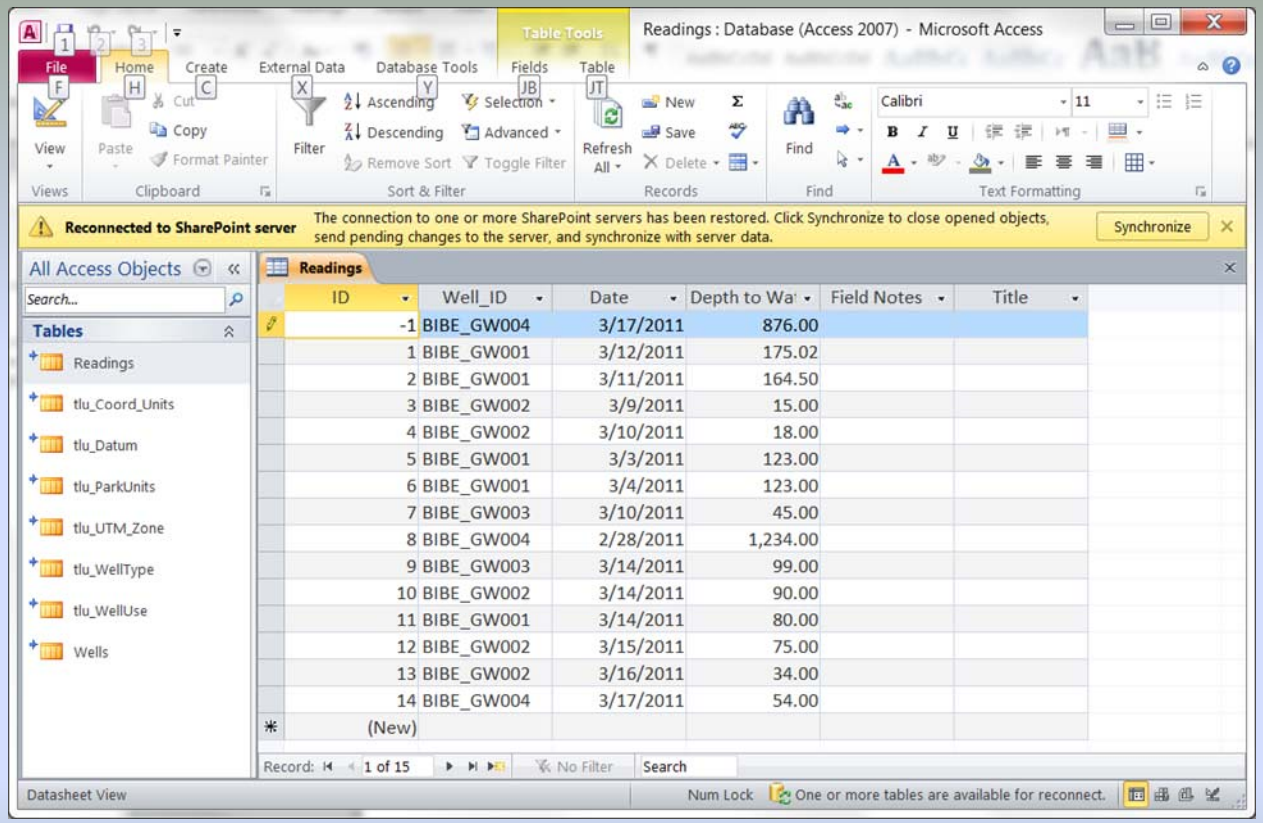


ID	Well_ID	Date	Depth to Wa	Field Notes	Title
-1	BIBE_GW004	3/17/2011	876.00		
1	BIBE_GW001	3/12/2011	175.02		
2	BIBE_GW001	3/11/2011	164.50		
3	BIBE_GW002	3/9/2011	15.00		
4	BIBE_GW002	3/10/2011	18.00		
5	BIBE_GW001	3/3/2011	123.00		
6	BIBE_GW001	3/4/2011	123.00		
7	BIBE_GW003	3/10/2011	45.00		
8	BIBE_GW004	2/28/2011	1,234.00		
9	BIBE_GW003	3/14/2011	99.00		
10	BIBE_GW002	3/14/2011	90.00		
11	BIBE_GW001	3/14/2011	80.00		
12	BIBE_GW002	3/15/2011	75.00		
13	BIBE_GW002	3/16/2011	34.00		
14	BIBE_GW004	3/17/2011	54.00		
*	(New)				

SharePoint List



SharePoint List



ID	Well_ID	Date	Depth to Wa	Field Notes	Title
-1	BIBE_GW004	3/17/2011	876.00		
1	BIBE_GW001	3/12/2011	175.02		
2	BIBE_GW001	3/11/2011	164.50		
3	BIBE_GW002	3/9/2011	15.00		
4	BIBE_GW002	3/10/2011	18.00		
5	BIBE_GW001	3/3/2011	123.00		
6	BIBE_GW001	3/4/2011	123.00		
7	BIBE_GW003	3/10/2011	45.00		
8	BIBE_GW004	2/28/2011	1,234.00		
9	BIBE_GW003	3/14/2011	99.00		
10	BIBE_GW002	3/14/2011	90.00		
11	BIBE_GW001	3/14/2011	80.00		
12	BIBE_GW002	3/15/2011	75.00		
13	BIBE_GW002	3/16/2011	34.00		
14	BIBE_GW004	3/17/2011	54.00		
(New)					