

# **ELF WP4 quality tools**

**Test of ESRI Data Reviewer for quality control of  
ELF data from Lantmäteriet**

**August to September 2015**

# **Lantmäteriet provides ELF data**

**It is of great value that these data can be checked before use**

**Lantmäteriet therefore chose, despite limited resources, to contribute to the tests**

**As a first step we need to study how the tools for quality checks works**

**To be able to plan and carry out continuously quality checks on our data**

# **ESRI Data Reviewer**

**We use ArcGIS in the production of the most of our geodatabases**

# Test data from our ELF-services

**StandingWater**

**Inspire: HydroPhysicalWaters, version 3.0**

**Watercourse**

**Inspire: HydroPhysicalWaters, version 3.0**

**AdministrativeUnit**

**ELF: Administrativenits/MasterLoD1 version 1.0**

**NamedPlace**

**ELF: GeographicalNames/MasterLoD1 version 1.0**

**LandCoverUnit**

**ELF: Landcover/MasterLoD1 version 1.0**



# **The test**

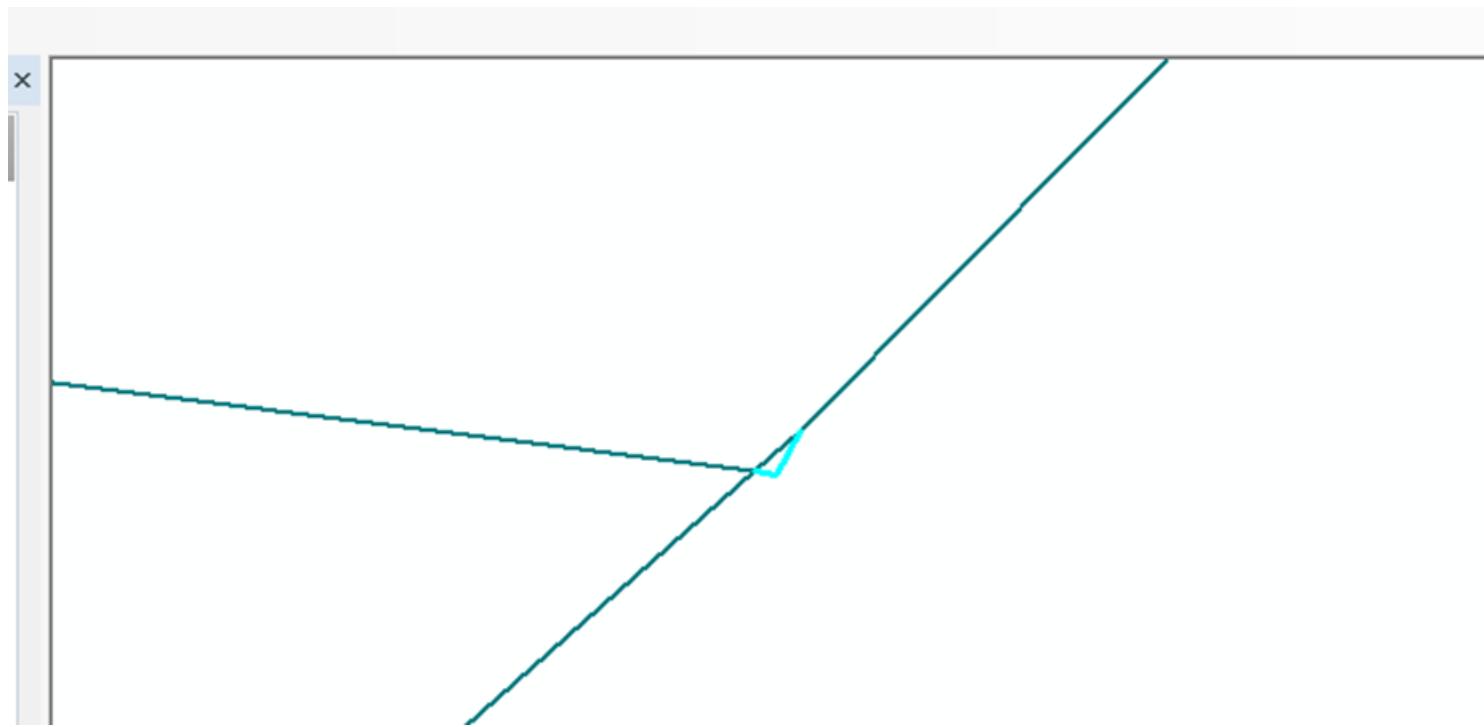
**August**  
**Summer holiday period!**

# **What has been tested so far**

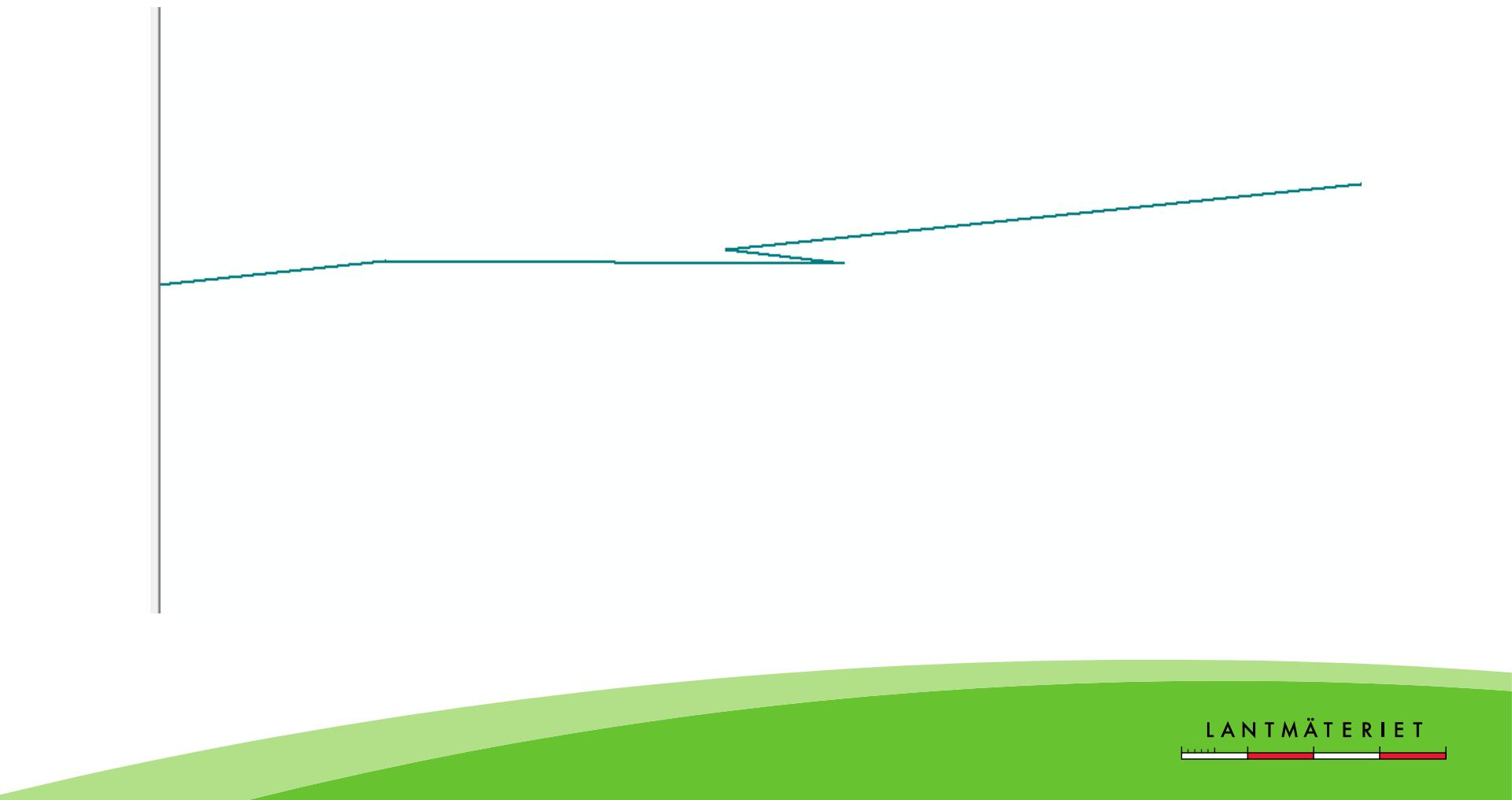
**The geometry for**

**Inspire: HydroPhysicalWaters, version 3.0**

- StandingWater**
- Watercourse**

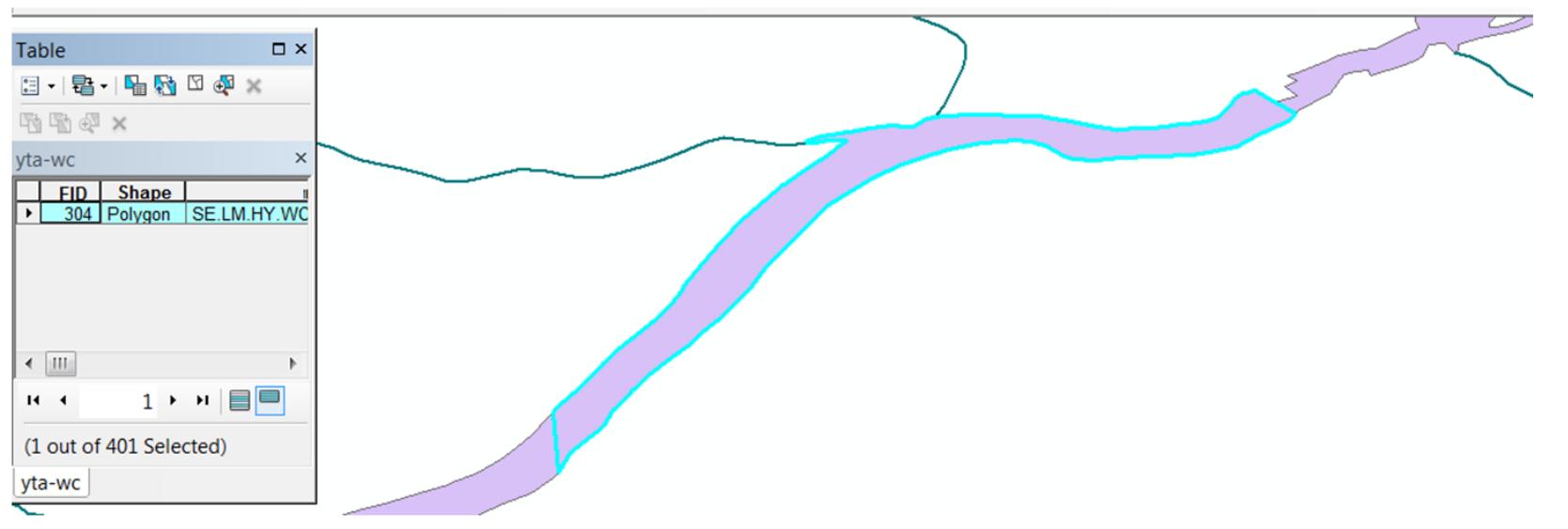


# cutbacks



LANTMÄTERIET

# cutbacks



# The result is saved in a report

## The quality of the geometry our water data is good

Automated Check Report By Origin Table											
	Batch Job Name	Date/Time	Origin Table	Check Type	Check Title	Severity	Records Validated	Total Results	Total Percent Accuracy	Distinct Results	Distinct Percent Accuracy
1	Duplicate Geometry Check						401	0	100,00%	0	100,00%
2		2015-09-14 14:23:07									
3			yta-wc				401	0	100,00%	0	100,00%
4				Duplicate Geometry Check							
5					dubletter	5	401	0	100,00%		
6	Duplicate Vertex Check						117	5	95,73%	4	96,58%
7		2015-09-15 14:25:42									
8			yta-wc				116	4	96,55%	3	97,41%
9				Duplicate Vertex Check							
10					dubV	5	116	4	96,55%		
11											
12	Find Dangles Check						14195	0	100,00%	0	100,00%
13		2015-09-14 14:25:43									
14			linje-wc				14195	0	100,00%	0	100,00%
15				Find Dangles Check							
16					överlapp	5	14195	0	100,00%		
17	Total						14713	5	99,97%	4	99,97%
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											

# Erroneous entries will be printed in Excel

Phase	Status	Source	Source Subtype	ID	Check Title	Check Notes	Severity	Description	Created On	Created By	Corrected On	Correction
2	Reviewed	yta-wc		304	dubV		5	Duplicate Vertices	F den 15 september 2 gunion			
3	Reviewed	yta-wc		348	Mini Browser Comm		5	User Committed	Re den 15 september 2 gunion			
4	Reviewed	yta-wc		76	dubV		5	Duplicate Vertices	F den 15 september 2 gunion			
5	Reviewed	yta-wc		248	dubV		5	Duplicate Vertices	F den 15 september 2 gunion			
6	Reviewed	yta-wc		348	dubV		5	Duplicate Vertices	F den 15 september 2 gunion			
7												

# Conclusion

- **the Data Reviewer has worked well**
- **need to adjust our ELF services**
- **more tests on appropriate data in the correct data format are required**