

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

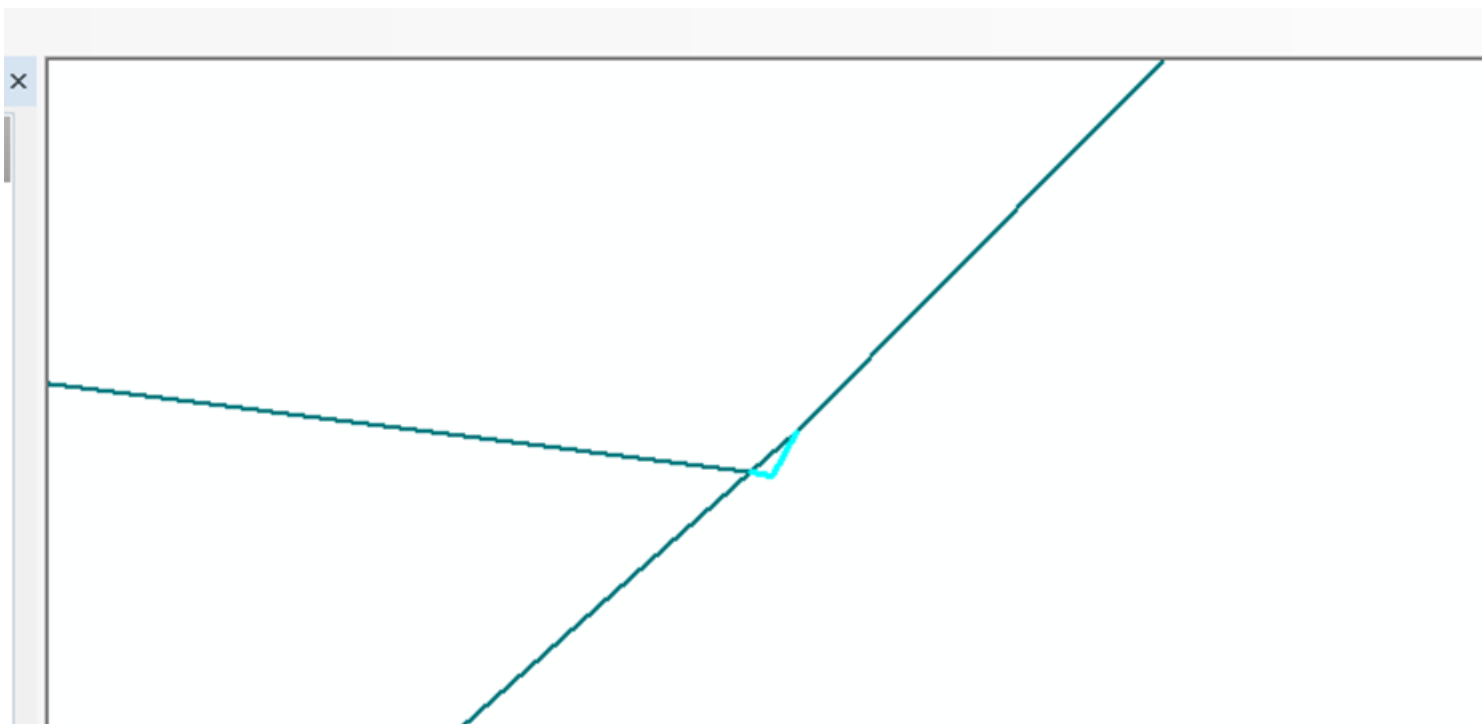
August
Summer holiday period!

What has been tested so far

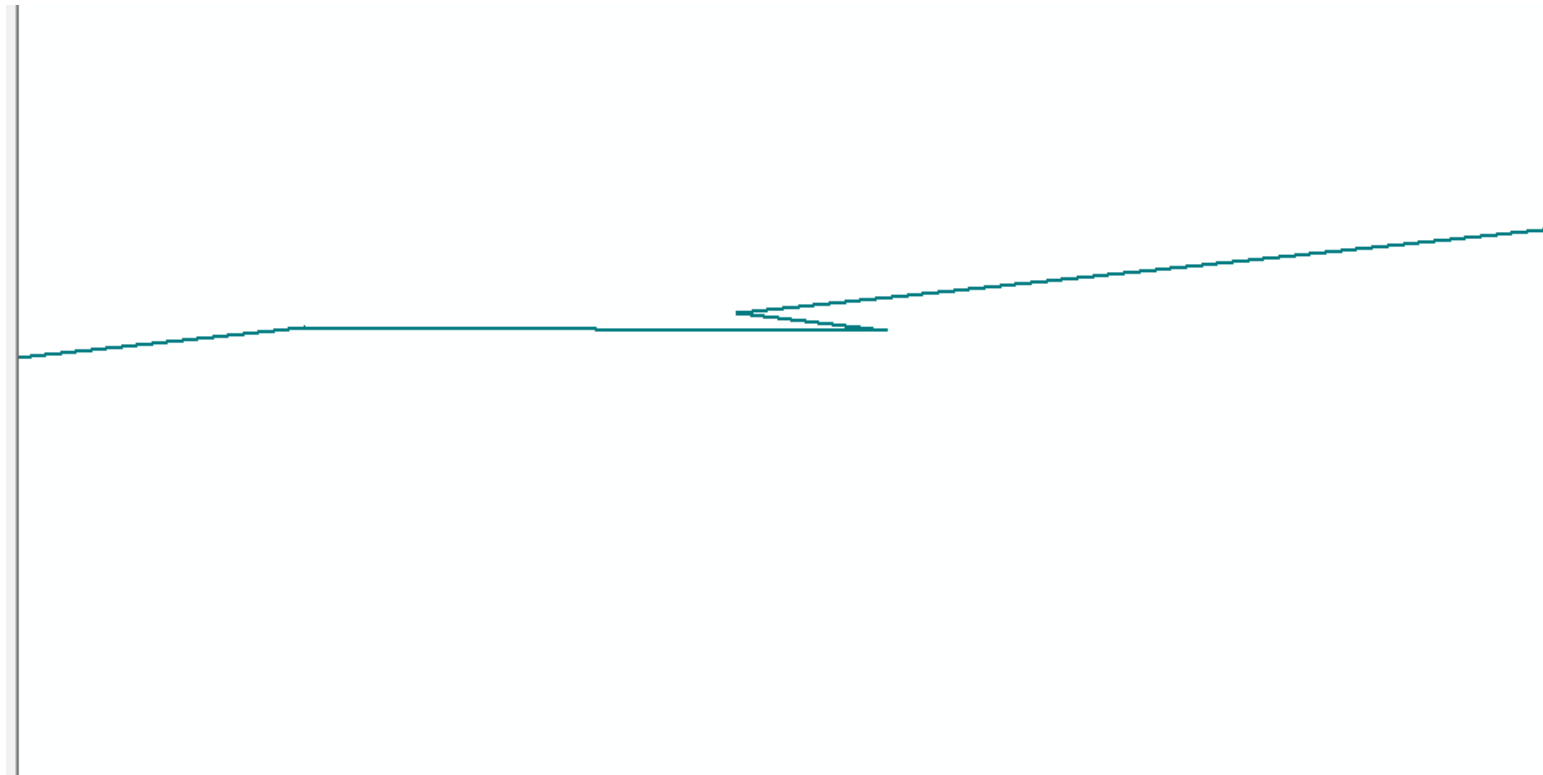
The geometry for

Inspire: HydroPhysicalWaters, version 3.0

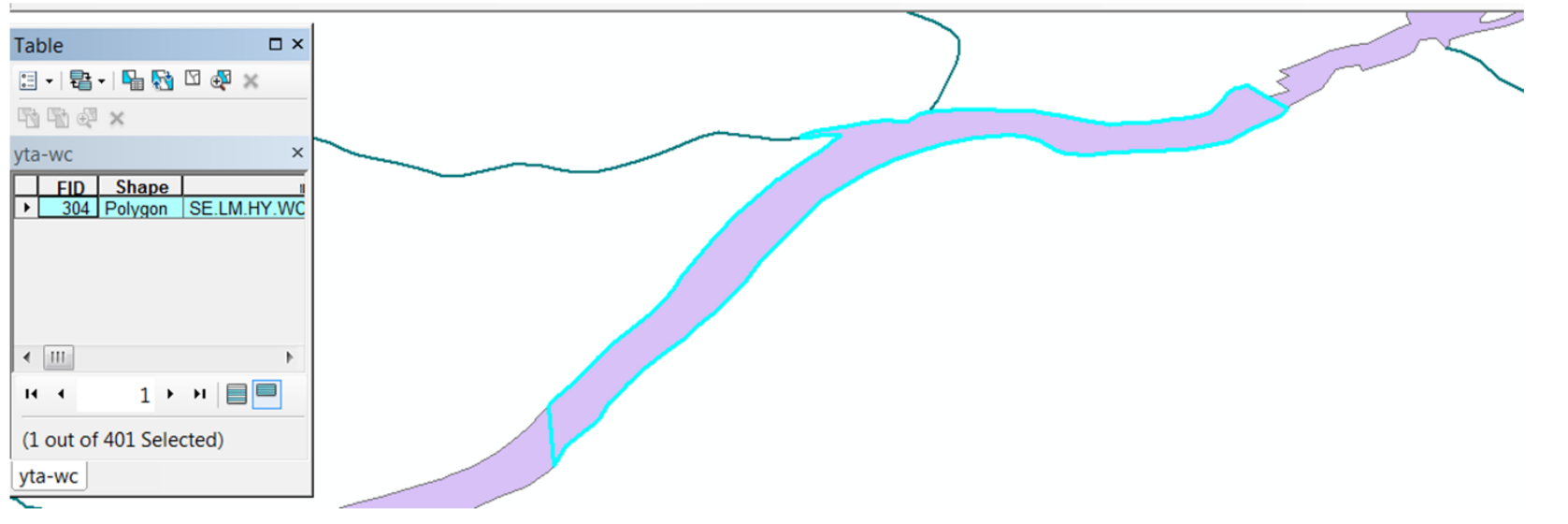
- **StandingWater**
- **Watercourse**



cutbacks



cutbacks



The result is saved in a report

The quality of the geometry our water data is good

D_vertex1 [Kompatibilitetsläge]

	A	B	C	D	E	F	G	H	I	J	K	L
1		Automated Check Report By Origin Table										
2		Report generated on 2015-09-15 16:59 by gunlon										
3		Reviewer Workspace Location: C:\veget\projekt\ELF\ELFQC\Hydrography\Hydrography\Hydrography.gdb										
4		Session(s): Session 2 : vartvatten										
5												
6		Batch Job Name	Date/Time	Origin Table	Check Type	Check Title	Severity	Records Validated	Total Results	Total Percent Accuracy	Distinct Results	Distinct Percent Accuracy
7		Duplicate Geometry Check						401	0	100,00%	0	100,00%
8			2015-09-14 14:23:07									
9			yta-wc					401	0	100,00%	0	100,00%
10					Duplicate Geometry Check							
11						dubletter	5	401	0	100,00%		
12		Duplicate Vertex Check						117	5	95,73%	4	96,58%
13			2015-09-15 14:25:42									
14			yta-wc					116	4	96,55%	3	97,41%
15					Duplicate Vertex Check							
16						dubV	5	116	4	96,55%		
17			2015-09-15 14:19:24									
18			yta-wc					1	1	0,00%	1	0,00%
19					Duplicate Vertex Check							
20						dubV	5	1	1	0,00%		
21		Find Dangles Check						14195	0	100,00%	0	100,00%
22			2015-09-14 14:25:43									
23			linje-wc					14195	0	100,00%	0	100,00%
24					Find Dangles Check							
25						överlapp	5	14195	0	100,00%		
26		Total						14713	5	99,97%	4	99,97%
27												

Erroneous entries will be printed in Excel

fel_d_vertex1 [Kompatibilitetsläge]

	A	B	C	D	E	F	G	H	I	J	K	L	
1	Phase	Status	Source	Source Subtype	ID	Check Title	Check Notes	Severity	Description	Created On	Created By	Corrected On	Correction
2	2	Reviewed	yta-wc		304	dubV		5	Duplicate Vertices F den 15 september 2 gunlon				
3	2	Reviewed	yta-wc		348	Mini Browser Comm		5	User Committed Rei den 15 september 2 gunlon				
4	2	Reviewed	yta-wc		76	dubV		5	Duplicate Vertices F den 15 september 2 gunlon				
5	2	Reviewed	yta-wc		248	dubV		5	Duplicate Vertices F den 15 september 2 gunlon				
6	2	Reviewed	yta-wc		348	dubV		5	Duplicate Vertices F den 15 september 2 gunlon				
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**