

We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.

2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.



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## Weekly Challenge

Solve the challenge, share your solution and summit the ranks of our Community!

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### IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

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[Weekly Challenge](#)

## Challenge #27: Spatial Telco Coverage Smoothing



GeneR  
Alteryx Alumni (Retired)

The link to last week's challenge (challenge #26) is [HERE](#)

This week's challenge is a spatial use case to preprocess a spatial object for mapping. The input file is a single complex polygon that represents a coverage area.

Use Case: A wireless telecommunications company wants to remove holes and splatter from their coverage area for simplified map display. Splatter can be defined as unnecessary pieces of the whole polygon.

Objective: Remove all splatter less than 2 square miles and holes from the coverage area.

This exercise can generate varying answers based on the configuration of the spatial tools used for the process. As a result the challenge does not contain an output.

Have fun!

challenge\_27\_start\_file.yxzp

challenge\_27\_solution.yxzp

Intermediate Preparation Spatial Spatial Analysis Transform

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TaraM  
Alteryx

A solution has been posted

Spoiler

Tara McCoy

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ACE SeanAdams  
17 - Castor

Very similar to @GeneR / @TaraM - just did things in a different order.

challenge\_27\_SeanSolution.xmnd

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ACE NicoleJohnson

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 **ACE MarqueeCrew**  
19 - Altair

Seems like a cloud over the cornhuskers...

Cheers,  
Mark

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.  
Please [Subscribe](#) to my youTube channel.

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 **ACE estherb47**  
15 - Aurora

similar solution to others


▷ Spoiler

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 **LordNeilLord**  
15 - Aurora

Pretty much the same as everybody else...


▷ Spoiler

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 **Laurap1228**  
11 - Bolide

I really enjoy the spatial challenges because I don't get to use these tools very often at work. This was my first time using the Poly-Split tool. I attempted to use the Buffer tool as well but ended up deciding it wasn't appropriate.

Question - what is the best way to check my results with spatial challenges? Usually, I join my solution to the output file and then add a filter to check the fields are identical. Will that work here too?

Here is my solution:

▷ Spoiler

 challenge\_27\_LP.yxzp 

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 **jamielaird**  
14 - Magnetar

Here's my solution, similar to others.

» Spoiler

 challenge\_27\_JL-yxzp



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 **ACE** patrick\_digan

17 - Castor

» Spoiler

 challenge\_27\_start\_file.yxmd



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