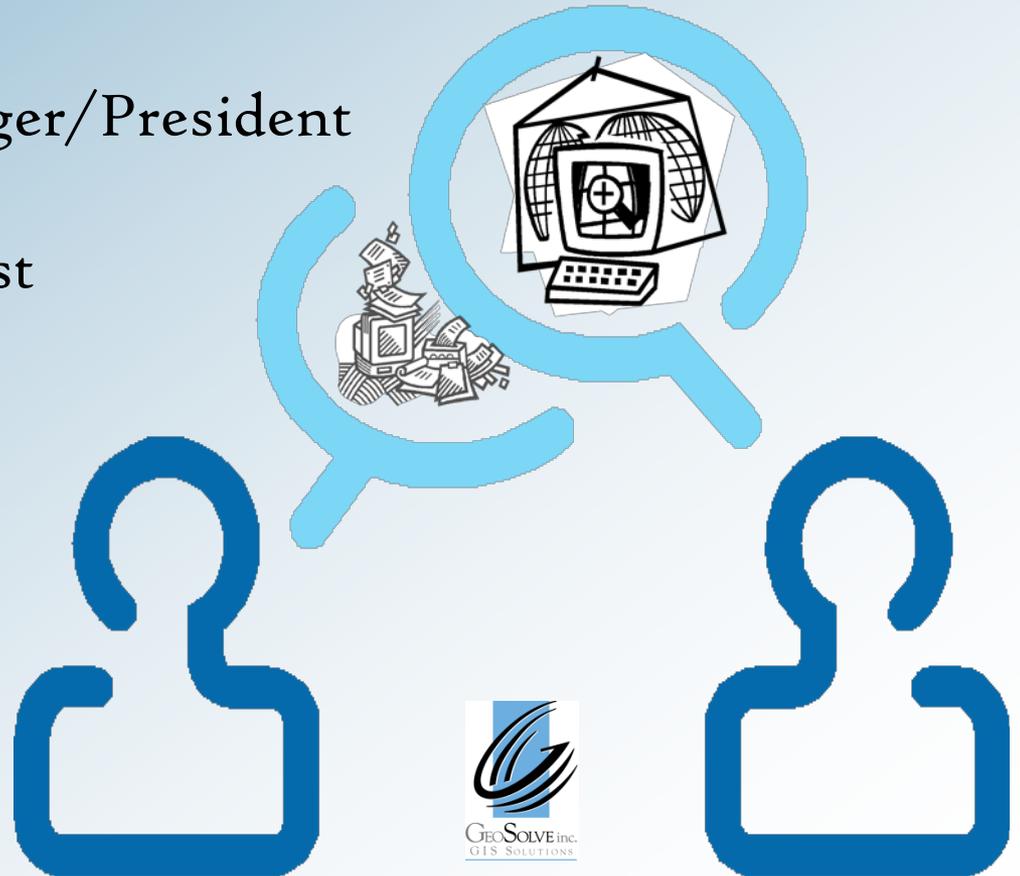


Common Coordination Issues Between the MSAG and GIS Data.

Presented by:

Shirley Corbett – GIS Manager/President
&
Valerie Shine – GIS Specialist



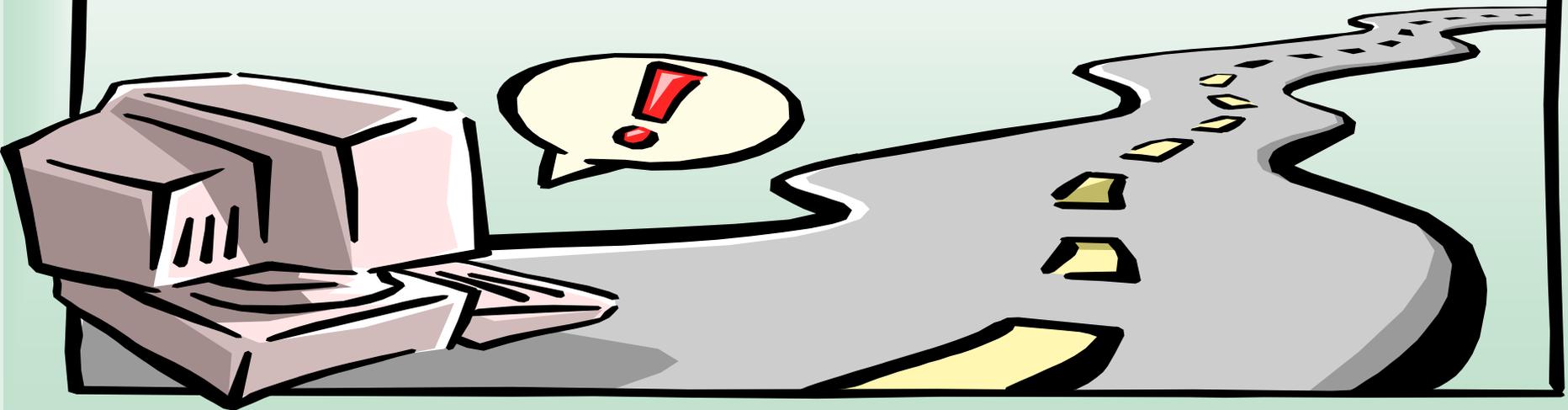
The Issues

- Street Names
- Communities
- Address Ranges
- ESN's/ESZ's
- MSAG



Street Names

Pre Direction, Street Name,
Suffix Direction, Street Type





Street Names

Example 1: Atypical MSAG entries

“Railroad Tracks MP”

“Wilson Park Transmitter”

“23rd & Washington” - Water Tower

“19th & Quinton Reservoir” - Reservoir

- Be aware that not everything in the MSAG can be accounted for in your data.
- These entries are generally critical facilities that do not have real addresses.
- Notify the PSAP Manager and MSAG Coordinator of these entries.





Street Names

Example 2: Incorrect street names

Eight Mile Rd vs. **Eightmile** Rd

Os**o**rn Rd vs. Os**u**rn Rd

Cherry Creek Rd vs. **Apple** Creek Rd

- This is a common inconsistency between the MSAG and GIS data. If the MSAG has addresses listed as **Eight Mile** Rd and the GIS data has **Eightmile** Rd. The 9-1-1 mapping program will not be able to plot the call.
- Either the MSAG or GIS data needs to be corrected to match the true name of the street.



Street Names

Example 2: Incorrect street names

To correct this issue:

- Coordinate with the local road/addressing authority to verify what the correct name is for this street.
- Correct the GIS data as needed.
- If the GIS data is correct. Contact the MSAG Coordinator and explain the issue.

*Be aware: Calls will not plot as long as the GIS data does not match the MSAG



Street Names

Example 3: Street type inconsistencies

Ave vs. Av

Loop vs. Lp

This could be a topic for a “State” standard or at least a standard for your County.

Possible panel discussion??





Street Names

Example 4: A complicated, real life example –
Emerson Roberts Rd vs. Roberts Market Rd

Original MSAG Entry

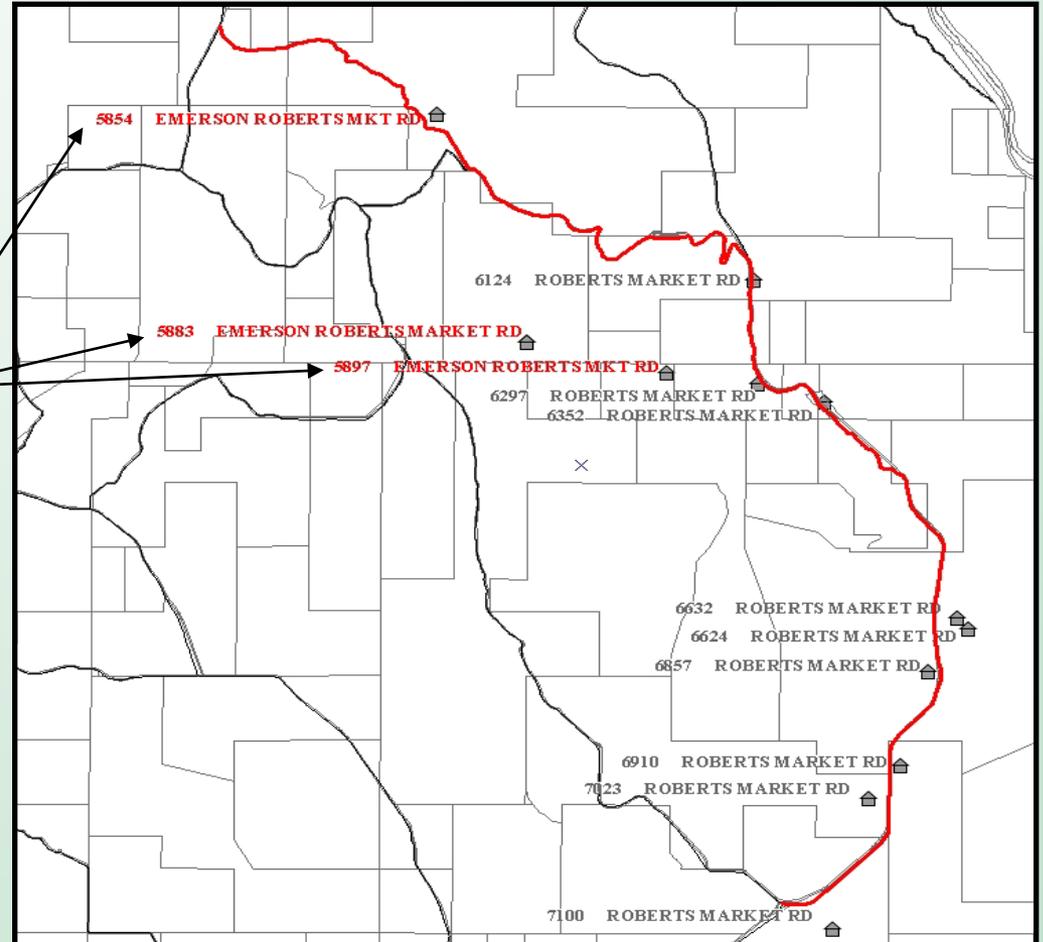
DI	STREET	TYPE	DI-S	LOW	HIGH	ESN
	ROBERTS MARKET	RD		5500	7199	9309



Street Names

Example 4: A complicated, real life example –
Emerson Roberts Rd vs. Roberts Market Rd

- According to the MSAG the street in red is Roberts Market Rd.
- However, the point SITUS provided by the local “addressing” authority showed three addresses as Emerson Roberts Rd.
- This was flagged and sent to the addressing and road authority.





Street Names

Example 4: A complicated, real life example –
Emerson Roberts Rd vs. Roberts Market Rd

This is the response of the road/addressing authorities:

- ‘Emerson Roberts Rd’ and the houses are addressed as such.
- ‘Roberts Market Rd’ runs from **6124 to 7100**. The house listed as 5854 Roberts Market Rd is actually on Emerson Roberts Market Rd.
- The road is signed as ‘Emerson Roberts Rd’ has three houses on it – **5854, 5883, and 5897.**”

The following MSAG changes were submitted:

Robert Market Rd: 6100-7199

Emerson Roberts Rd: 5800-5899



Street Names

Example 4: A complicated real life example –
Emerson Roberts Rd vs. Roberts Market Rd

The following changes were made:

DI	STREET	TYPE	DI-S	LOW	HIGH	ESN
	EMERSON ROBERTS	RD		5800	5899	9309
	ROBERTS MARKET	RD		5500	7199	9309

The Roberts Market address ranges did not change. This generally indicates that even though a secondary range was created, the actual addresses behind the MSAG were not corrected to match the new entry.

The GIS data and the MSAG have been corrected to match the addressing authority's information but the addresses behind the MSAG more than likely have not been changed. This means that the Emerson Roberts Rd addresses will not plot on the map.

How do we fix this?



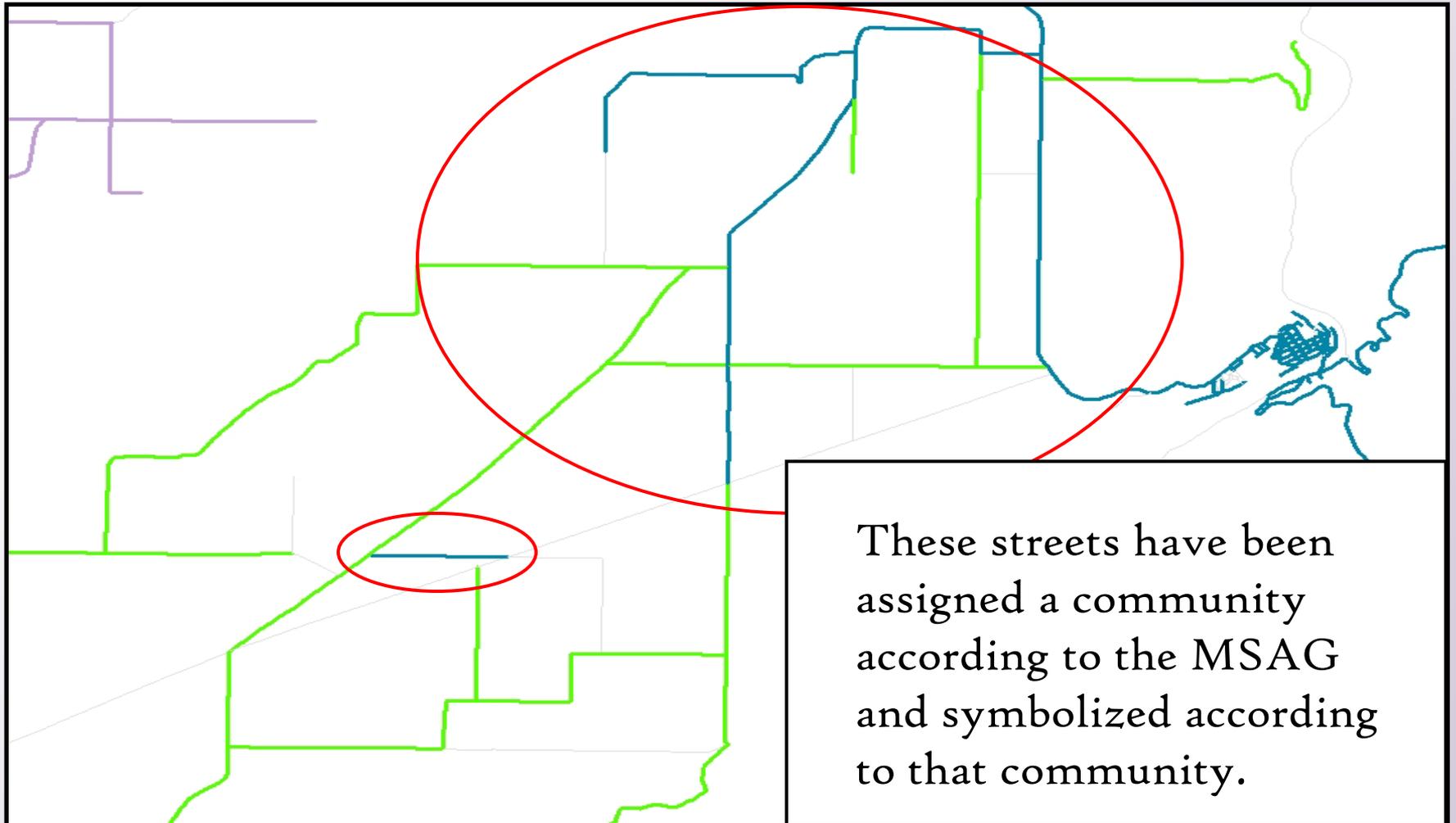
Communities





Communities

Example 1: Community Issues





Communities

Example 1: Community Issues

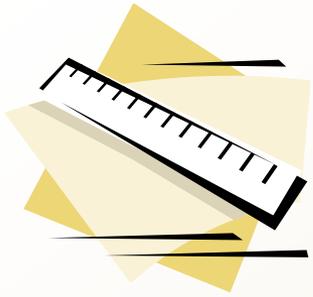
- These communities need to be handled with care. If the MSAG Coordinator changes a community in the MSAG then all of the mailing addresses associated with that MSAG range are changed. This can have a dramatic effect on mail deliveries.
- You may need to coordinate with the postmaster to clarify these issues without causing a larger issue with mail service.
- Having the Community in your data is critical. The community allows the software to plot more accurately. This is an invaluable part of the data, especially as the PSAP's includes data from surrounding counties (shared response areas, mutual aid, etc.).





Address Ranges



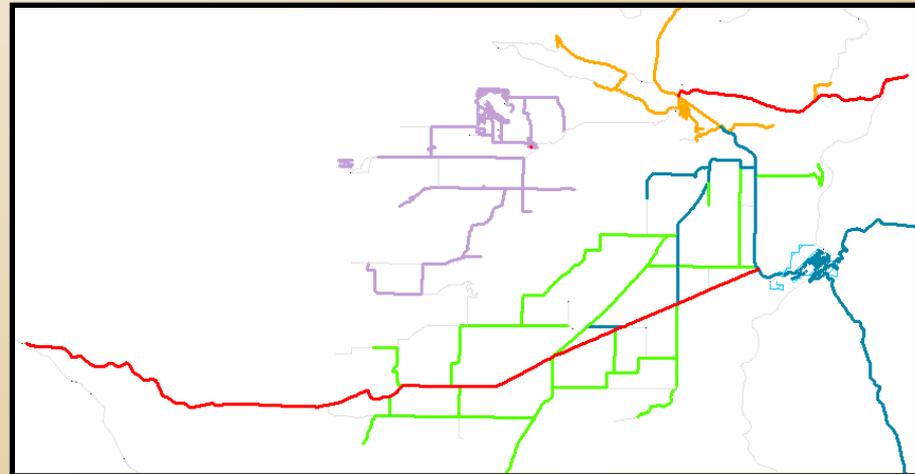


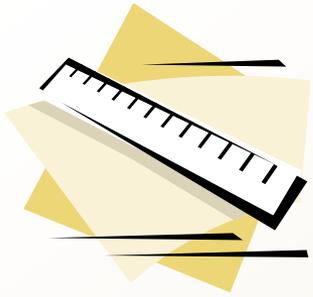
Address Ranges

Example 1: Overlapping ranges

STREET	TYPE	DI-S	LOW	HIGH	ESN	COMMUNITY
HIGHWAY 216			58020	85317	9310	TYGH VALLEY
HIGHWAY 216			71739	77570	9312	MAUPIN
HIGHWAY 216			71739	83800	9314	PINE GROVE

- All of these entries overlap one another.
- The GIS data **cannot** have overlapping ranges. The mapping software cannot pick which segment to plot to when segments are attributed with conflicting information.





Address Ranges

Example 1: Overlapping ranges

STREET	TYPE	DI-S	LOW	HIGH	ESN	COMMUNITY
HIGHWAY 216			58020	85317	9310	TYGH VALLEY
HIGHWAY 216			71739	77570	9312	MAUPIN
HIGHWAY 216			71739	83800	9314	PINE GROVE

To correct this issue:

- Define the conflicting information.
- Coordinate with your local addressing and/or road authority .
- Notify the PSAP Manager and/or MSAG Coordinator.
- Correct data as necessary.

ESZ's/ESN's



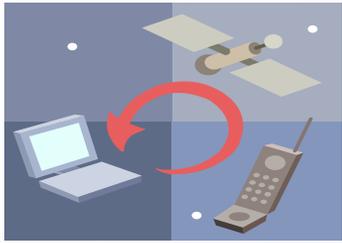
ESZ's

- POLICE
- FIRE
- EMS
- ARA's
- Mutual aid

It can be challenging to create these response areas to automate a GIS layer for an ESN layer. Many “designer” ESN layers are being created because of this.

Panel Discussion!



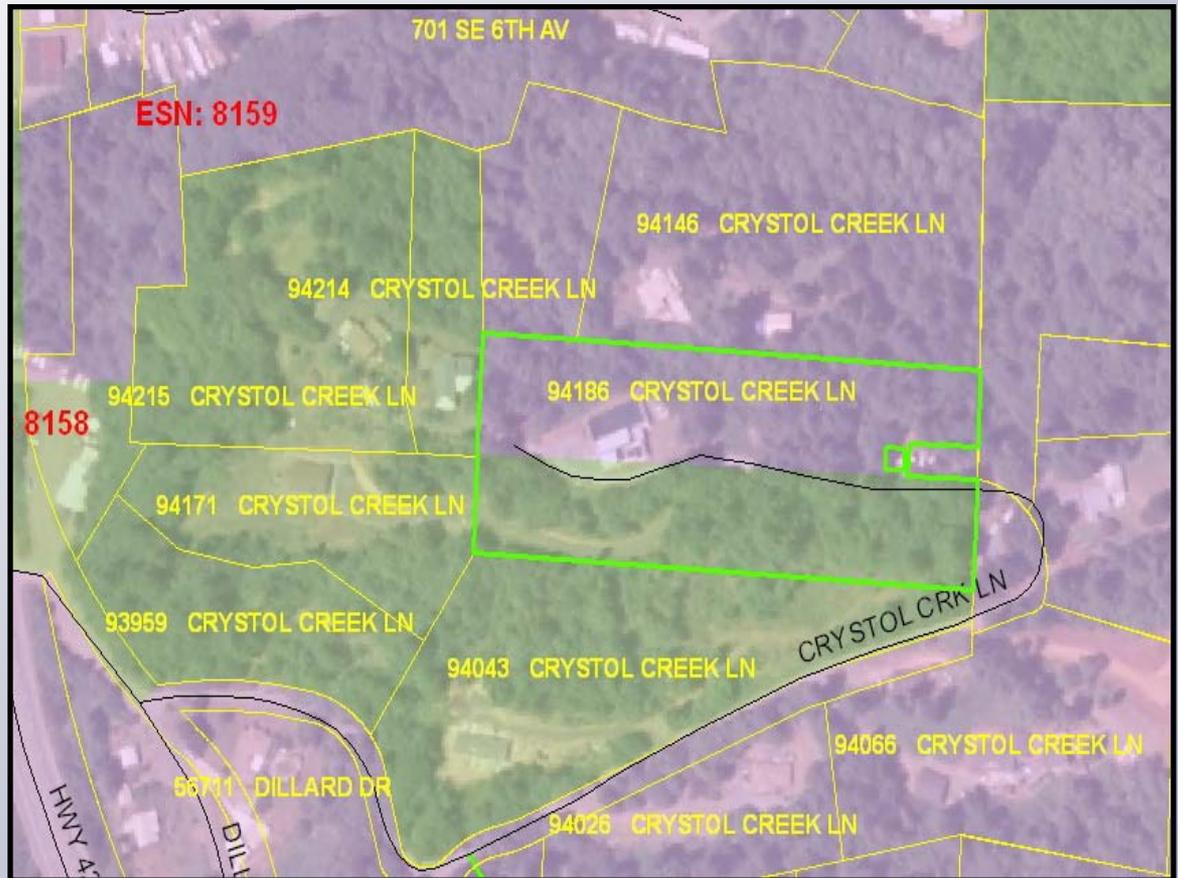


ESN's

Example 1: Split polygon

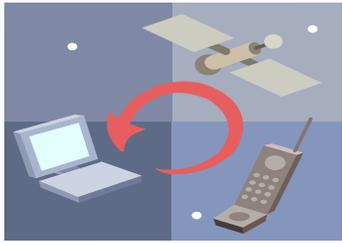
MSAG ENTRY

	CRYSTOL CRK	LN	94186	94186	8159
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According to the MSAG 94186 Crystol Crk Ln is in ESN 8159.

Spatially the taxlot assigned to this address is split by ESN's 8159 and 8158.



ESN's

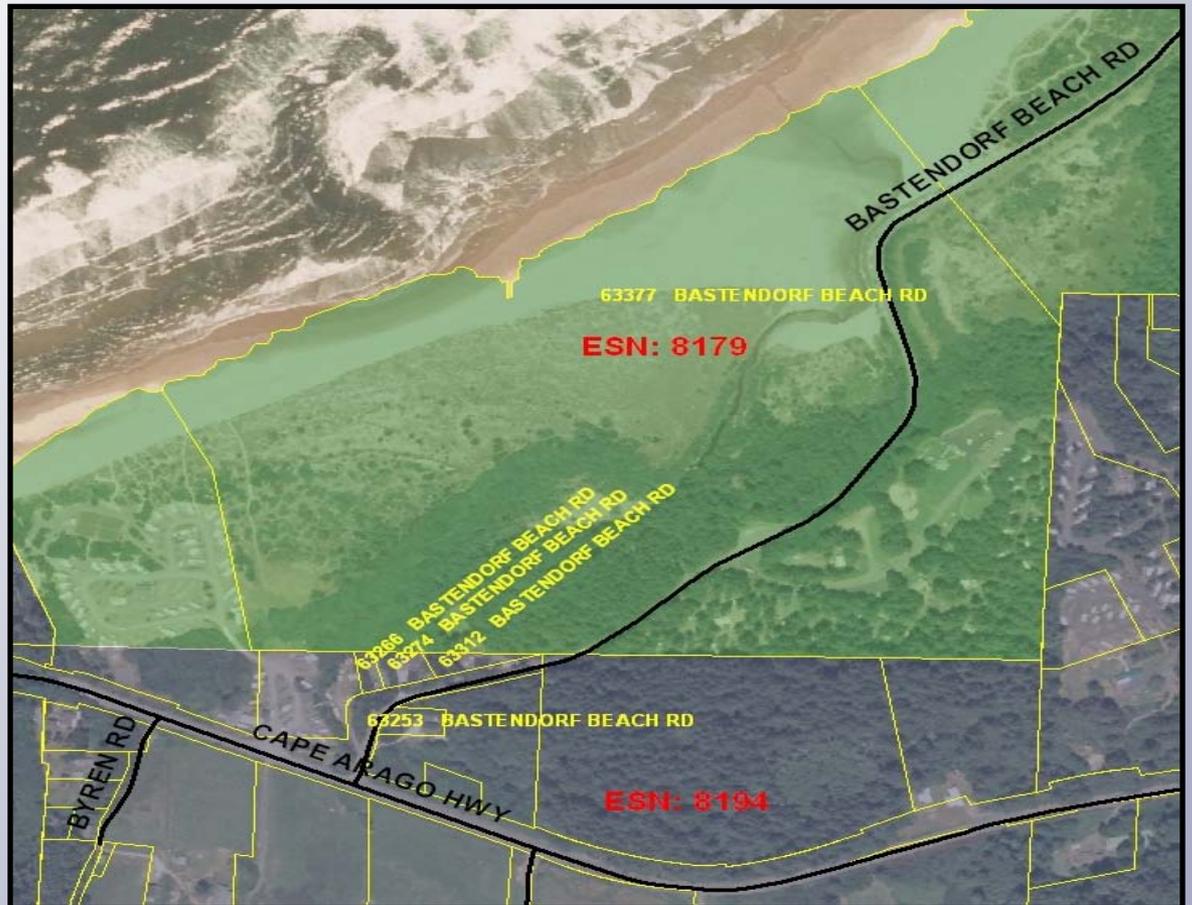
Example 2: Conflicting information

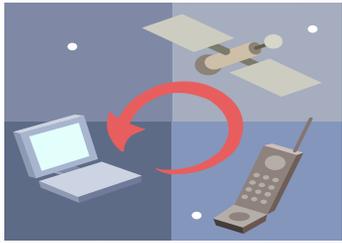
MSAG ENTRY

BASTENDORF BEACH	RD	63253	63379	8194
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According to the MSAG 63377 Bastendorf Beach Rd is in ESN 8194.

Spatially the taxlot assigned to this address is in ESN 8179.





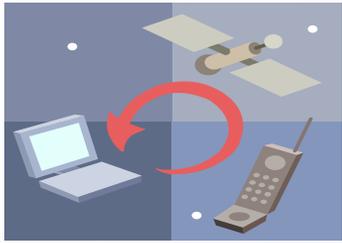
ESN's

Examples 1 & 2: Coordination

- Identify the district zones creating the issue by reviewing the responders assigned to these ESN's. (An ESN list can be provided by the MSAG Coordinator or PSAP Manager)
- Notify the PSAP Manager and/or MSAG Coordinator of the potential issue and coordinate a solution.

OR

- Contact both districts and verify that their legal boundaries are correct.
 - Correct polygon errors as necessary.
 - ✓ If the polygon corrections change the ESN assigned to the taxlot/structure notify the PSAP Manager and/or MSAG Coordinator.
 - ✓ Street data cannot be modified to reflect this until it's changed in the MSAG.
 - If the polygons remains the same coordinate with the PSAP Manager and/or MSAG Coordinator to find out which responder will be assigned to the address in the MSAG.



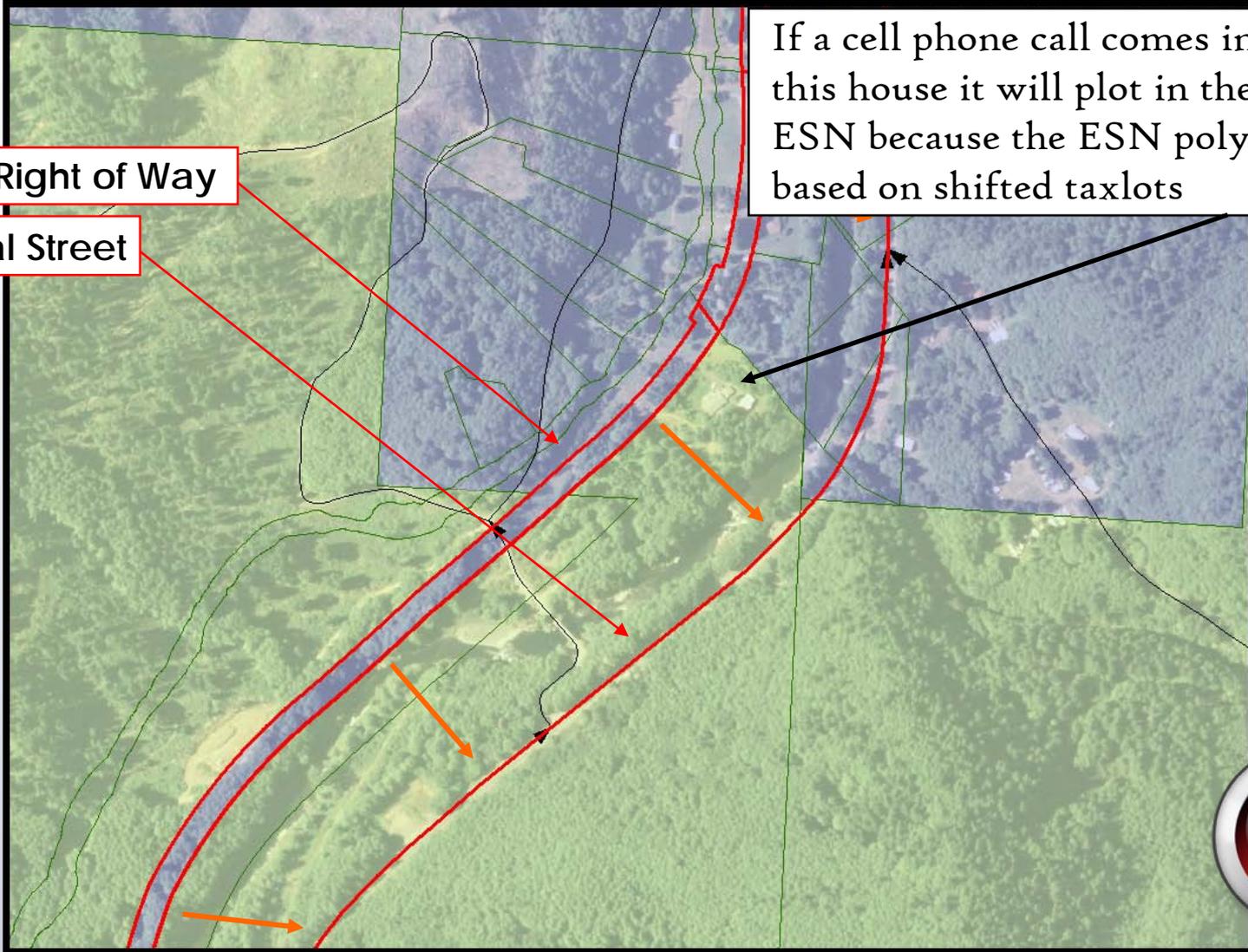
ESN's

Example 2: Conflicting Information

Taxlot Right of Way

Actual Street

If a cell phone call comes in from this house it will plot in the wrong ESN because the ESN polygons are based on shifted taxlots



MSAG Comparison

- The Worksheet!
- How this can help the MSAG process





Possible Topics for Panel Discussion



Example:

An address of 355 33rd St was created for the construction company during construction of the Safeway located on this taxlot. The database provider is unwilling to delete the entry. Construction has been completed.

If there is a phone number associated with this address what is the best way to establish if the line is active, correct or if it can be deleted.





Possible Topics for Panel Discussion



- Taxlot Shift - Police Fire and EMS Districts
- “Community” coordination
- Duplicate MSAG entries... USFS 25 vs US Forest Service 25
- Local MSAG vs. current LEC MSAG
- VOIP calls
- Spatial MSAG
- Manufactured home parks
- Out of county items

Thank you!

The End

