# Rule 411

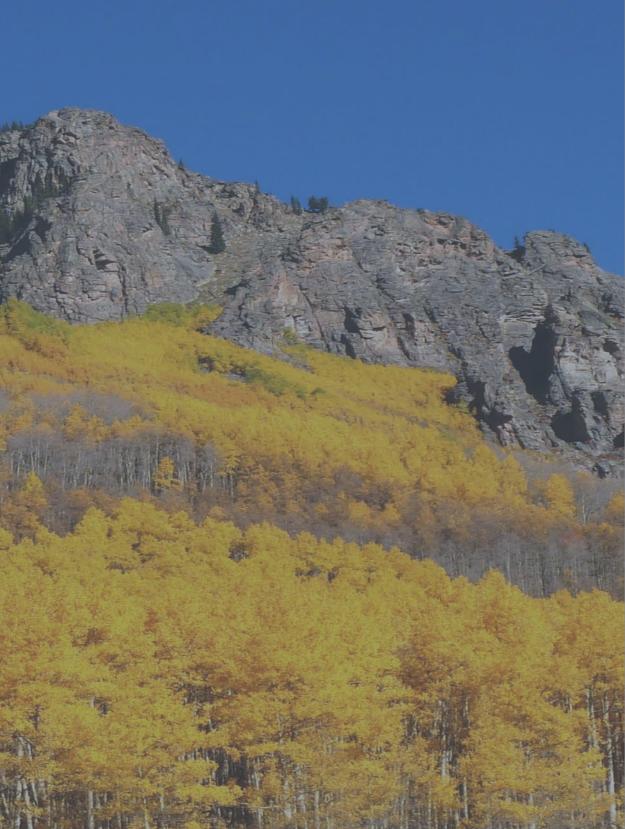
## **Operator Training**

3/9/2021



**COLORADO** Oil & Gas Conservation Commission

Department of Natural Resources



### Overview

- Rule Reminders
- Map Layers
- PWS Contacts
- Type III/GUDI PWS Wells
- Feedback and Questions

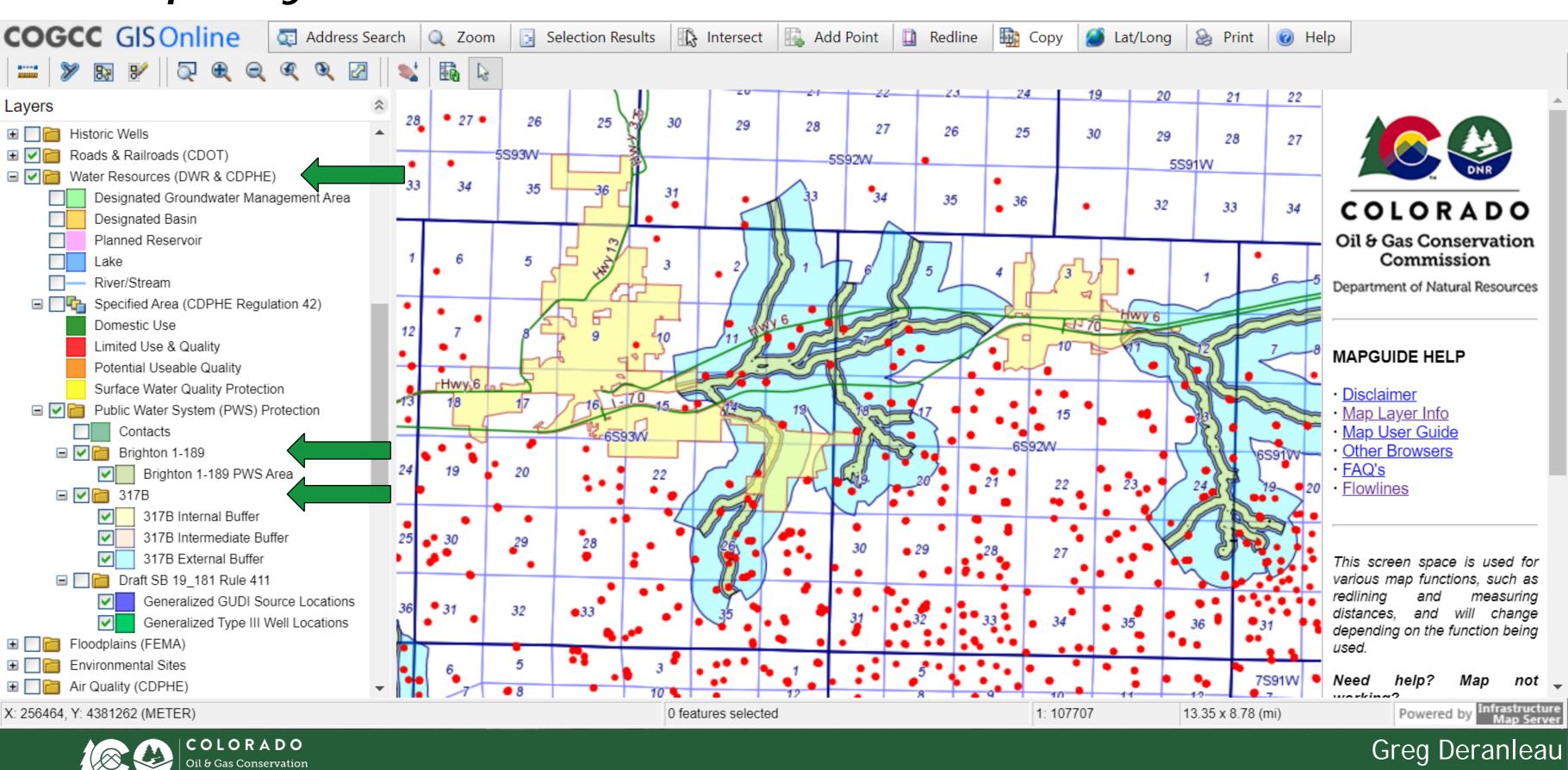


#### Rule Reminders

- Rule 411.a very similar to 317B
  - Rule 411.a.(4) applies to new and existing wells within ½ mile of surface water upstream from a PWS surface water intake
- Rule 411.b protections for PWS groundwater intakes
  - Does not apply to existing operations
  - Buffer zone protections
  - Consultation with PWS during permitting
- Spill and release notifications new and existing
  - Within buffer zones
  - At locations upstream from PWS surface water intake



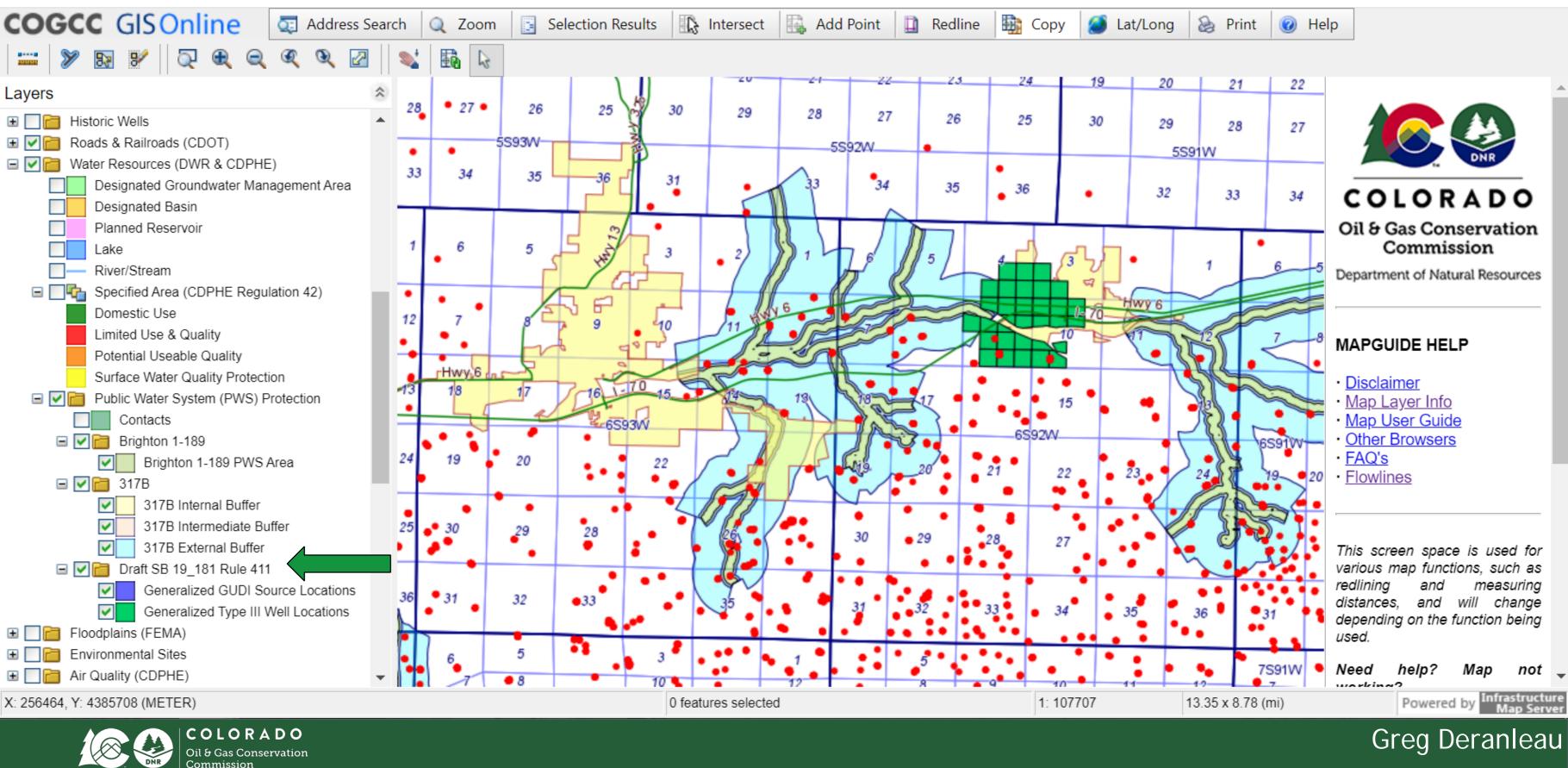
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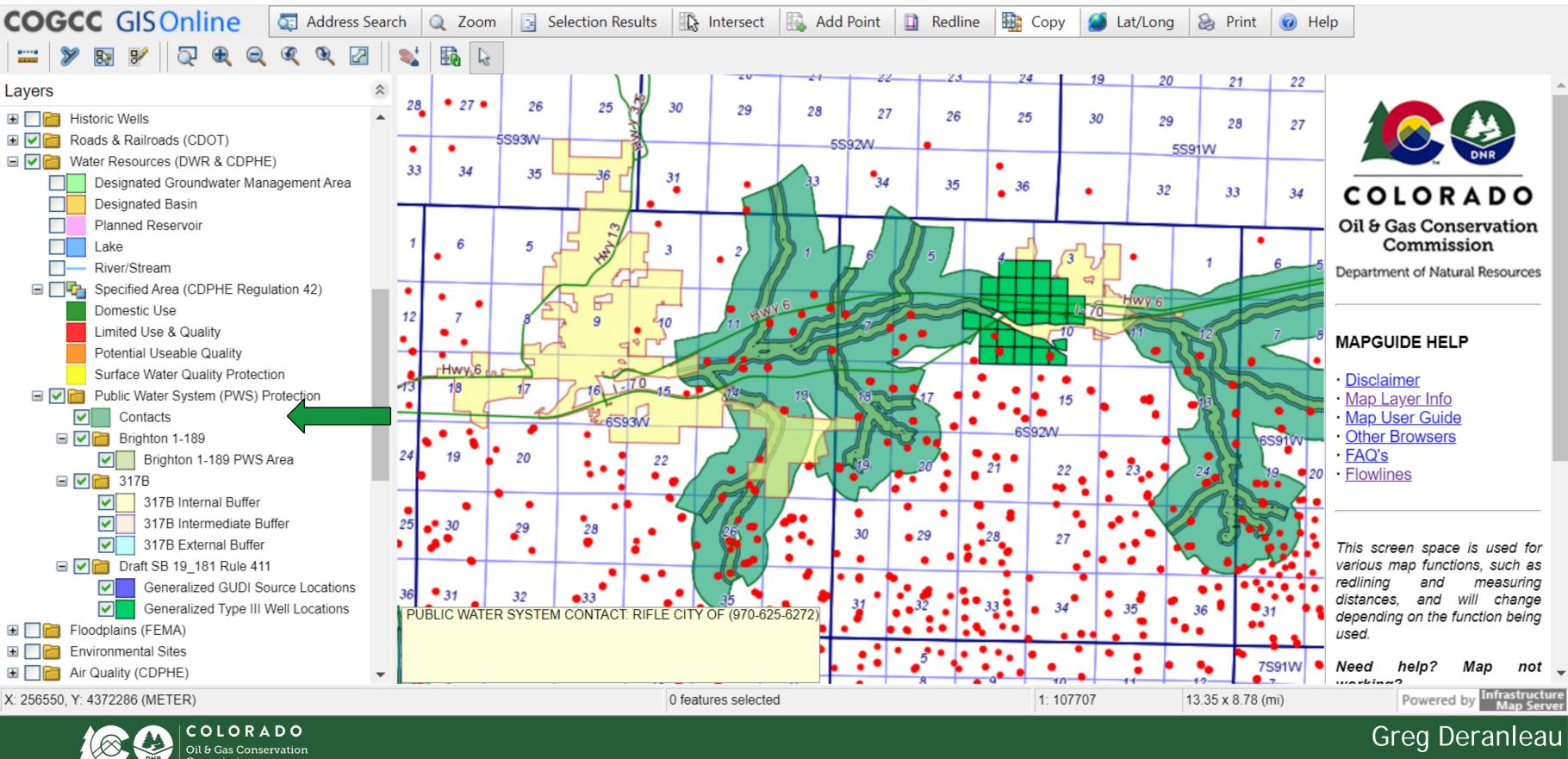
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**Environmental Manager** 



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**Environmental Manager** 

- No actual PWS intakes are identified
- 317B Surface Classified Water Segments are accurate, but not complete
  - 317B External Buffer is the same
  - Field verify Internal and Intermediate Buffers
  - There may be new PWS Surface Water Intakes not included in current map layers
- Draft SB 19-181 Rule 411 Layer is usable
  - Current conversations between COGCC, CDPHE, DWR to update



#### **PWS** Contacts

- COGCC GIS Online Interactive Map for PWS surface water intakes
- For PWS Contact info: https://cdphe.colorado.gov/dwinfo Learn about your public water system

#### • Contact the water system directly

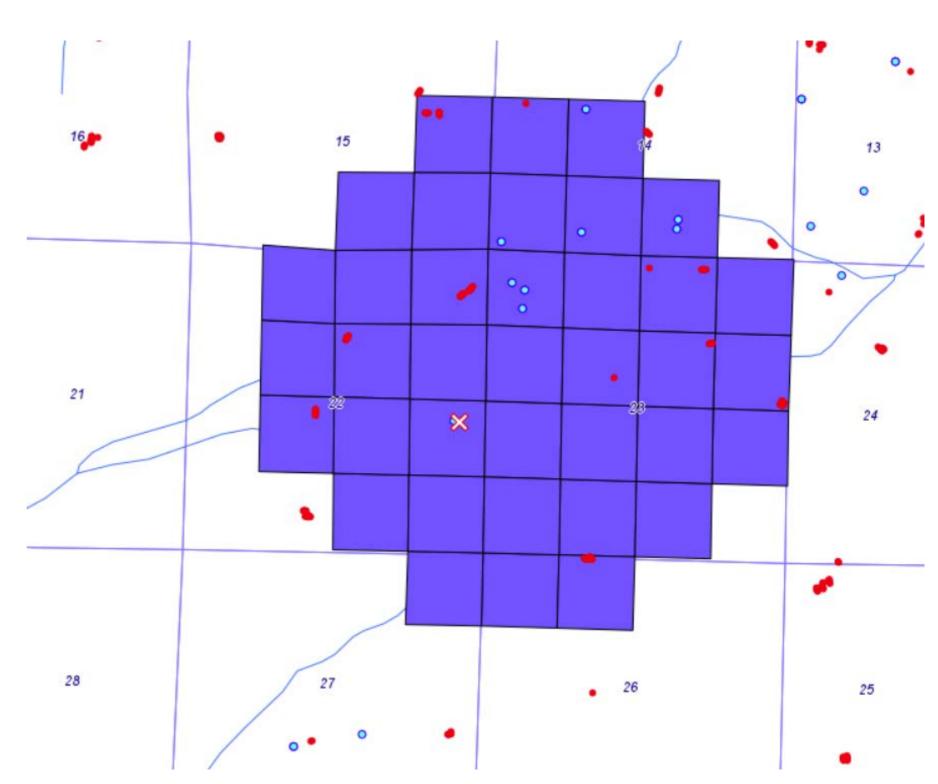
- Contact information can be found on your water bill or using the system search below. If your water is included in dues, then ask your property manager for the system's name or contact information.
- Online Information (Acronym List)
  - Water system search (general info, sample results, violations, and online records) [2].



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### Type III and GUDI PWS Wells

- Operator proposed location in NESE Section 22
- Well in Section 22 is private and belongs to Surface Owner
- Several wells in Section 23 near center of polygon
- Wells in NWNW Section 23 belong to TeePee Bible Camp
  - Presumably, these are the PWS wells





#### Type III and GUDI Wells

- Verify well status
- Measured location is 2200' from nearest PWS well
  - Pitless drilling (411.b.(3).C)
  - Formal Consultation with PWS
    - BMPs
    - Groundwater Monitoring
    - Recharge Areas
  - Spill/Release Notification & Emergency Response Planning (411.b.(5))
    - Emergency Response Plan
    - Spill Notification

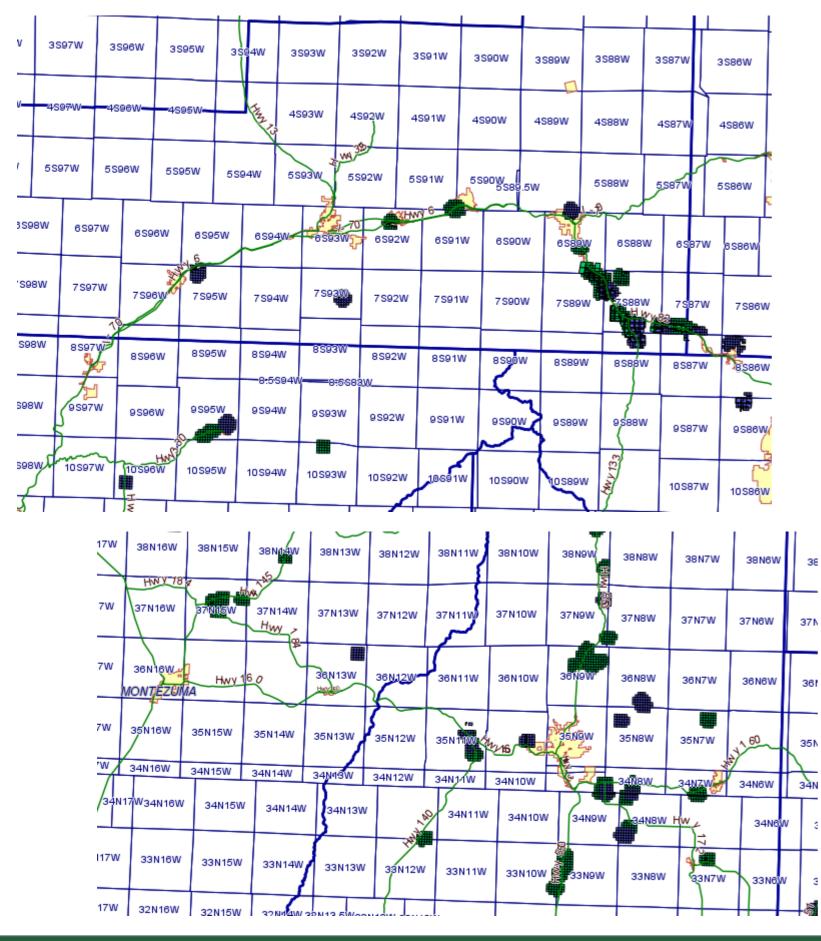
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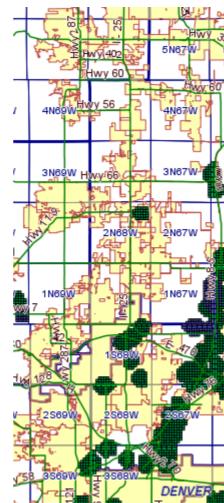


S. 200











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### Feedback and Questions

7 Hwy 34 5N66W		- SNB4W	5N63W	5N62W	5N61W	5N60W	5N59W	5N58W
4N66W	4N65W	4N64W	4N63W	Hwy 34	4N61W	4N60W 39	4N59W	4N58W
3N66W	3N65W	3N64W	3N63W	3N62W	3N61W	3N6	3N59W	3N58W
2N66W	21065W	2N64W	1100-700 21063W	2N62W	2N61W	2N60W	2N59W	2N58W
N66W	1N65W	1N64W	1N63W	1N62W	Hwy 5 1N61W	2 1N60W	1N59W	1N58W
	1S65W	1564W	1563W	1S62W	1S61W	1560W	1S59W	1S58W
2\$86W	2\$65W	2564W	₹ 2563W	2\$62W	2561W	2560W	2\$59W	2\$58W
3566W	3565W	3564W	3563W	3562W	3561W	3560W	3559W	3558W

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