



Current State of the Statewide Monitoring Program

RUSSELL BOND

CLEAN RIVERS PROGRAM

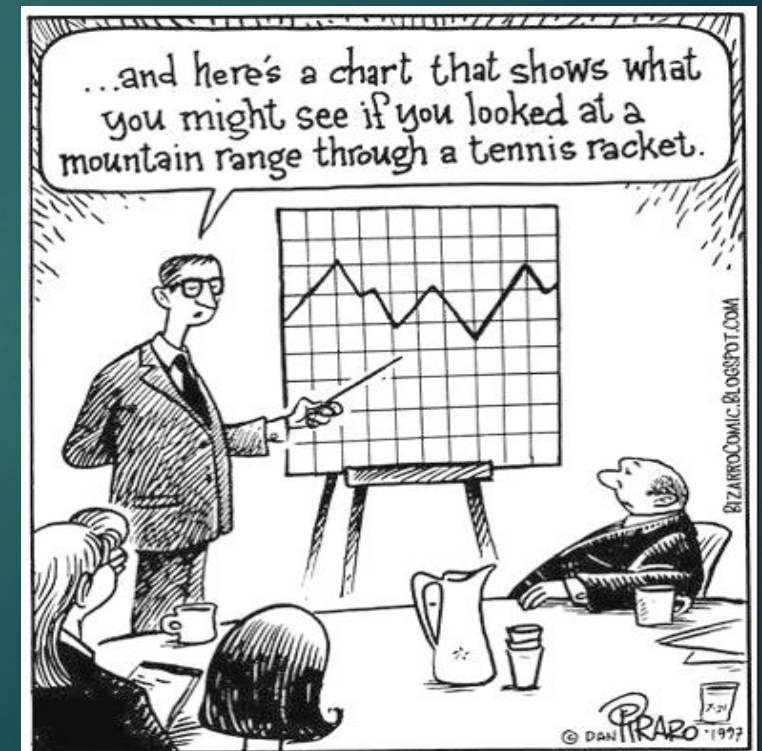
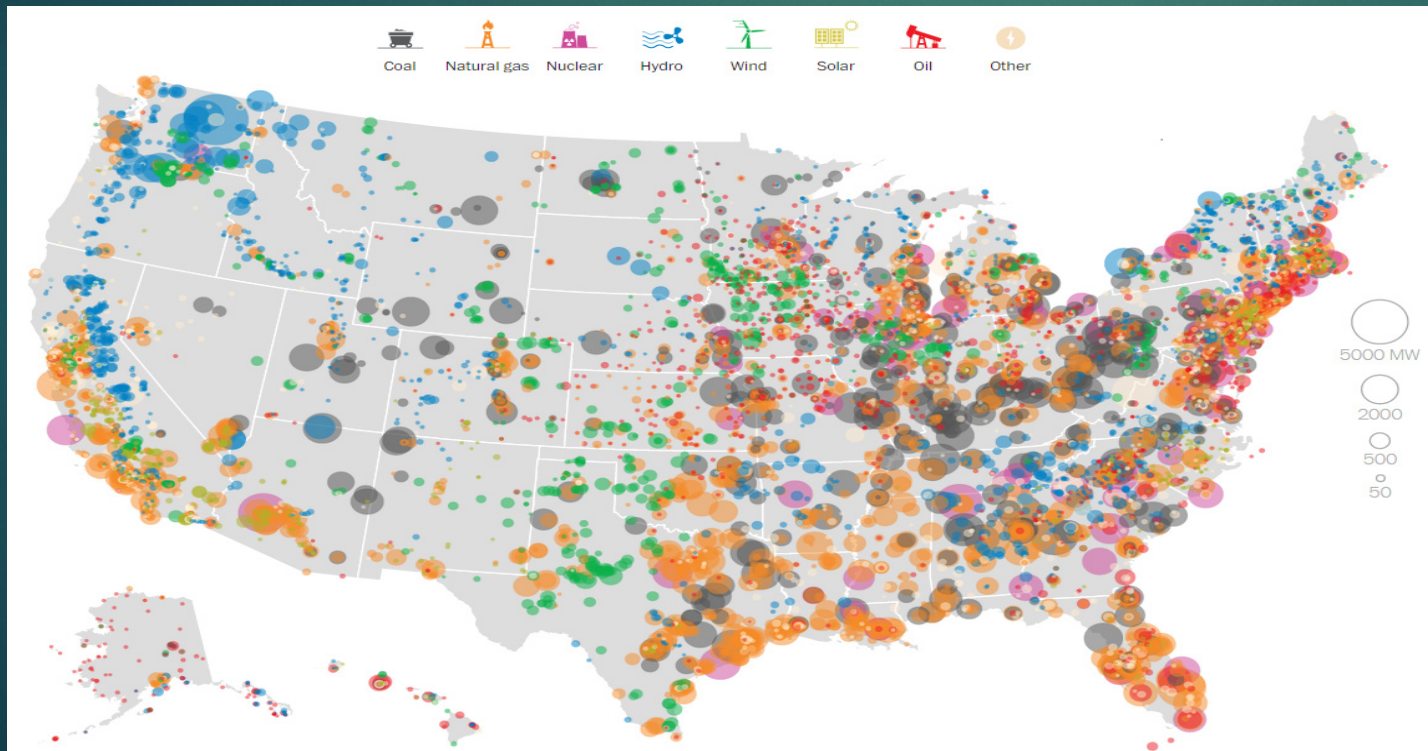
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Purpose

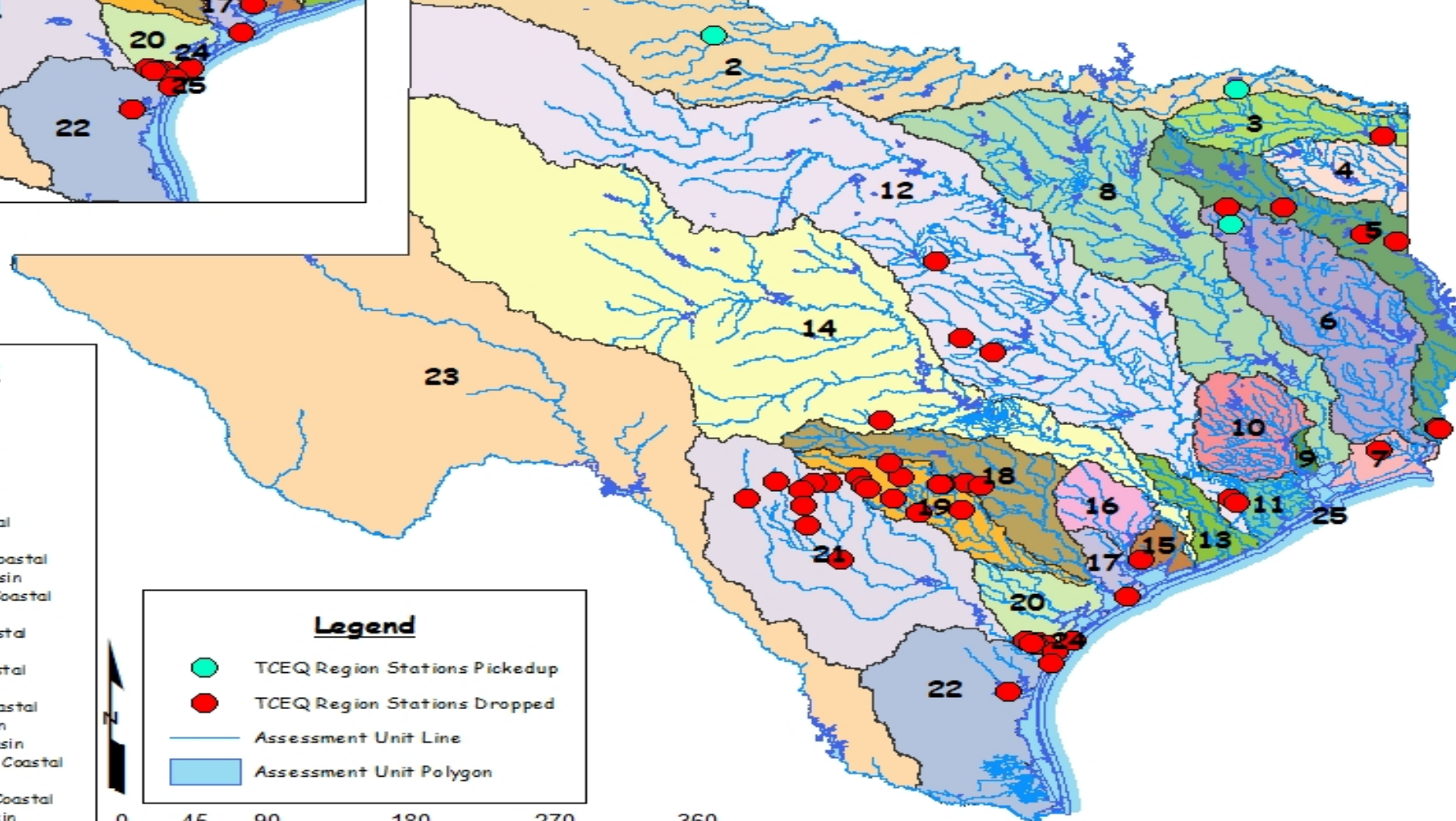
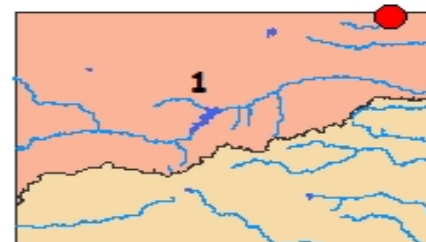
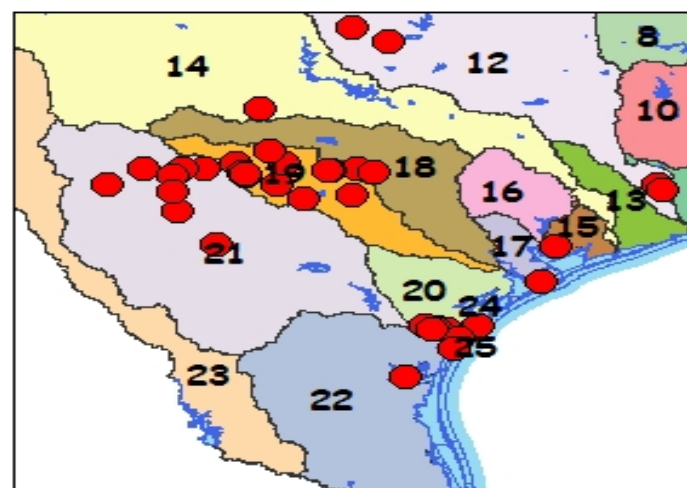
- ▶ Assess and document changes in routine monitoring effort spatially, so that initiatives and additional support from CRP can be targeted effectively.
- ▶ Using these spatial visual analyses CRP project managers are able to inform and recommend management strategies during coordinated monitoring meetings (CMM).
- ▶ To visually brief TCEQ Section management on the current state of monitoring by CRP partners and TCEQ Regional SWQM staff.

Trend Analysis Method

- Visual – graphing or mapping the data for a clear easy to understand representation of trends.
- *Please note, the data has not been assessed statistically, therefore the trend will not be represented as having statistical significance.



Statewide Regional Office Summary of Significant CMS Changes for FY2016 By Station



River Basins

1. Canadian River Basin
2. Red River Basin
3. Sulphur River Basin
4. Cypress River Basin
5. Sabine River Basin
6. Neches River Basin
7. Neches-Trinity Coastal
8. Trinity River Basin
9. Trinity-San Jacinto Coastal
10. San Jacinto River Basin
11. San Jacinto-Brazos Coastal
12. Brazos River Basin
13. Brazos-Colorado Coastal
14. Colorado River Basin
15. Colorado-Lavaca Coastal
16. Lavaca River Basin
17. Lavaca-Guadalupe Coastal
18. Guadalupe River Basin
19. San Antonio River Basin
20. San Antonio-Nueces Coastal
21. Nueces River Basin
22. Nueces-Rio Grande Coastal
23. Rio Grande River Basin
24. Bays & Estuaries
25. Gulf of Mexico

Legend

- TCEQ Region Stations Pickedup
- TCEQ Region Stations Dropped
- Assessment Unit Line
- Assessment Unit Polygon

0 45 90 180 270 360 Miles



Author: Russell Bond

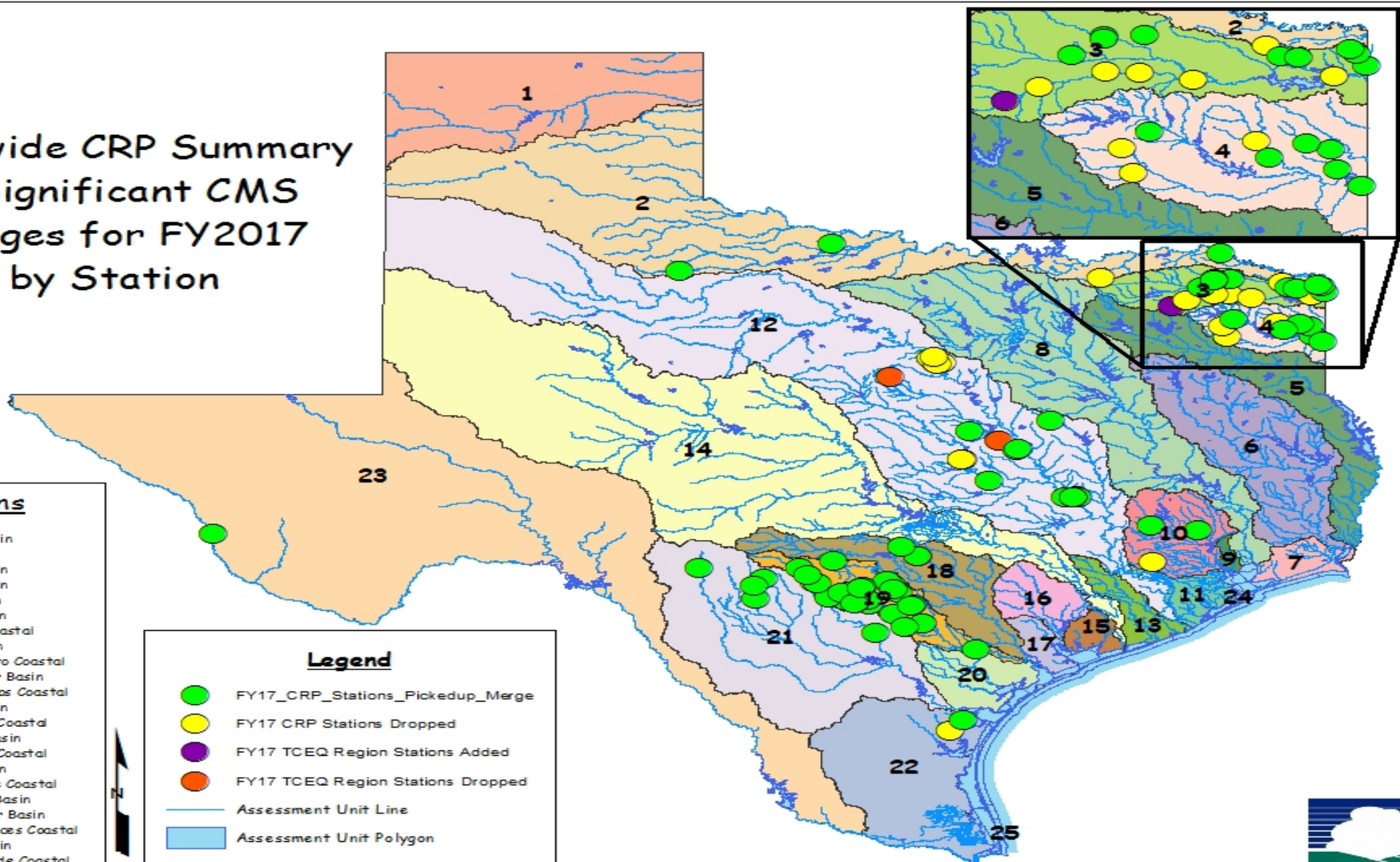
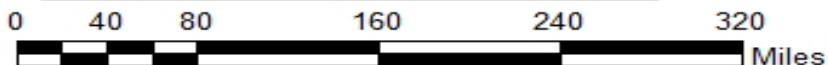
Statewide CRP Summary of Significant CMS Changes for FY2017 by Station

River Basins

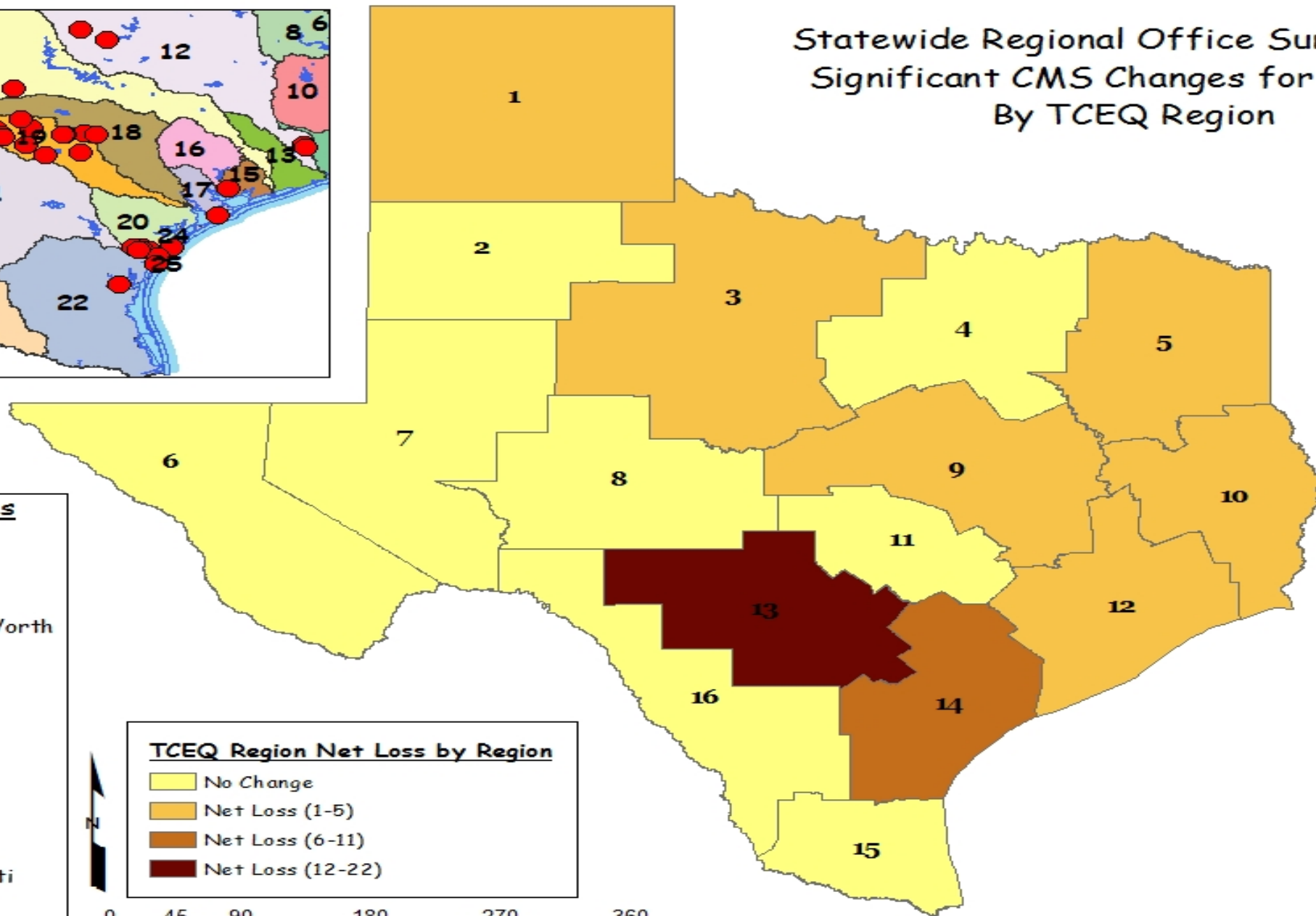
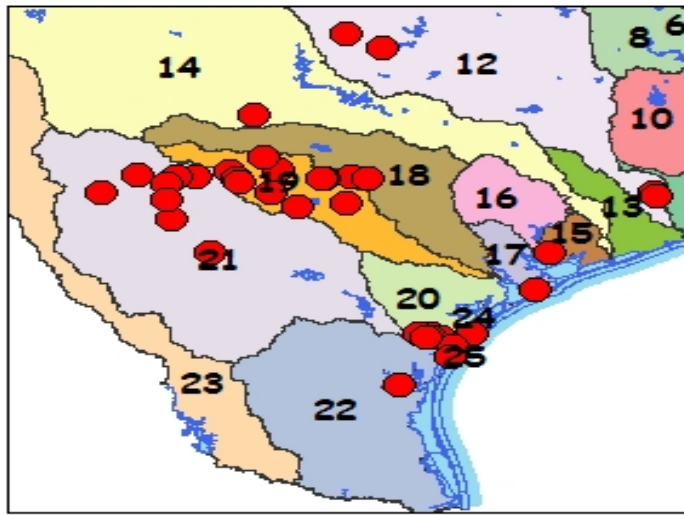
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Legend

- FY17_CRP_Stations_Pickedup_Merge
- FY17 CRP Stations Dropped
- FY17 TCEQ Region Stations Added
- FY17 TCEQ Region Stations Dropped
- Assessment Unit Line
- Assessment Unit Polygon



Statewide Regional Office Summary of Significant CMS Changes for FY2016 By TCEQ Region

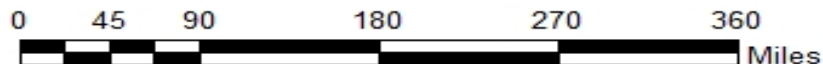


TCEQ Regions

1. Amarillo
2. Lubbock
3. Abilene
4. Dallas/Fort Worth
5. Tyler
6. El Paso
7. Midland
8. San Angelo
9. Waco
10. Beaumont
11. Austin
12. Houston
13. San Antonio
14. Corpus Christi
15. Harlingen
16. Laredo

TCEQ Region Net Loss by Region

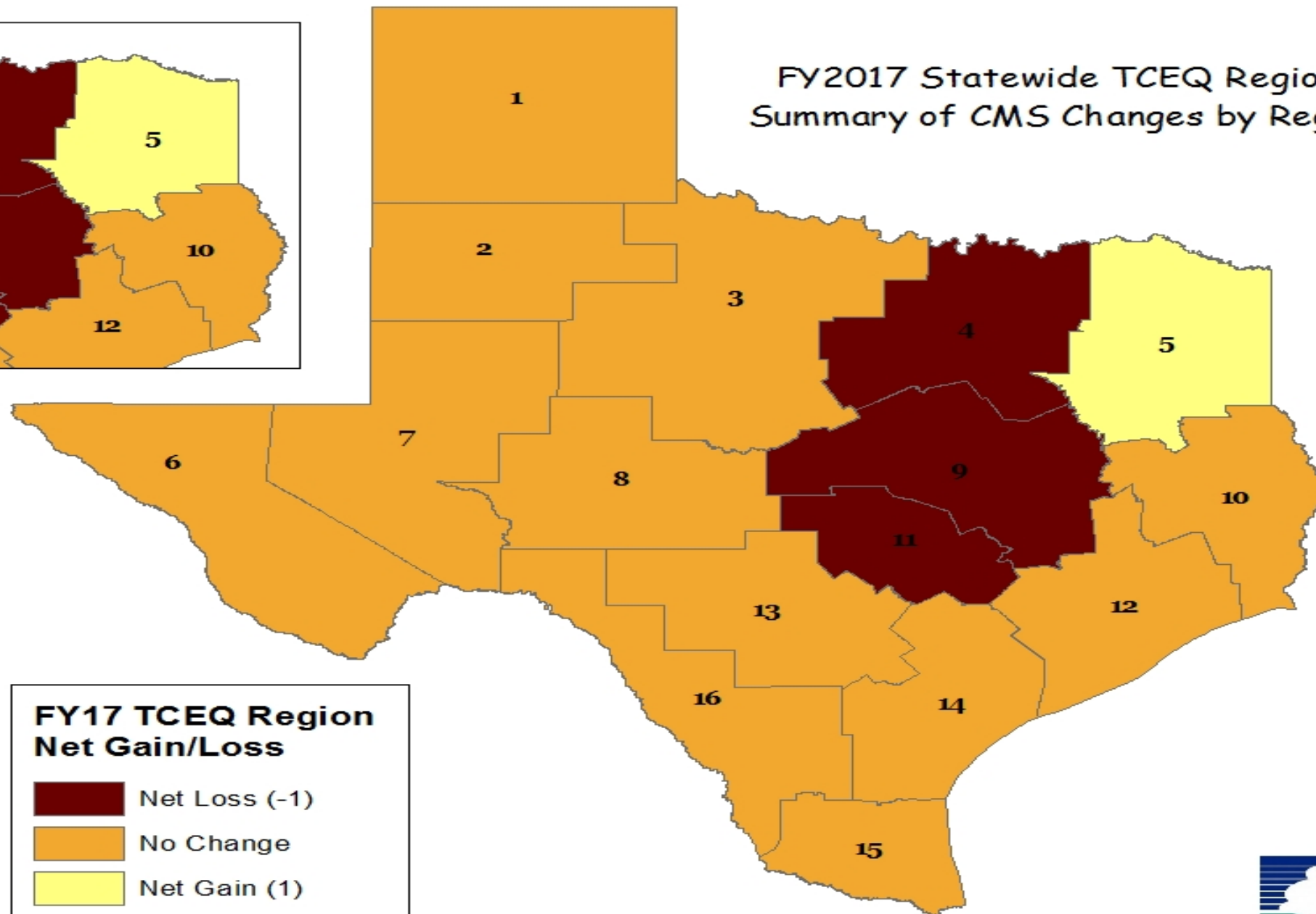
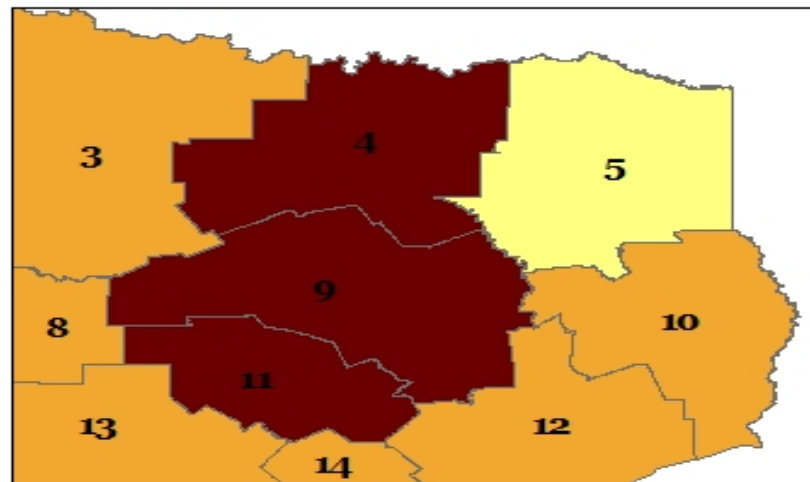
- No Change
- Net Loss (1-5)
- Net Loss (6-11)
- Net Loss (12-22)



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FY2017 Statewide TCEQ Region Summary of CMS Changes by Region

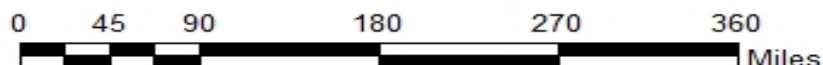


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FY17 TCEQ Region Net Gain/Loss

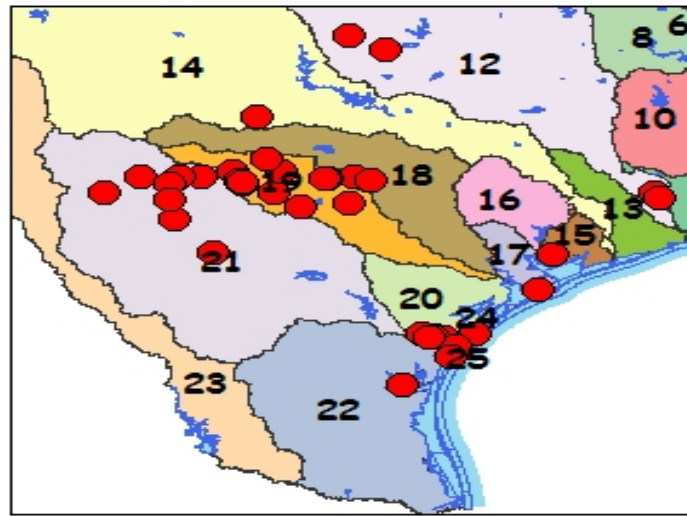
- Net Loss (-1)
- No Change
- Net Gain (1)



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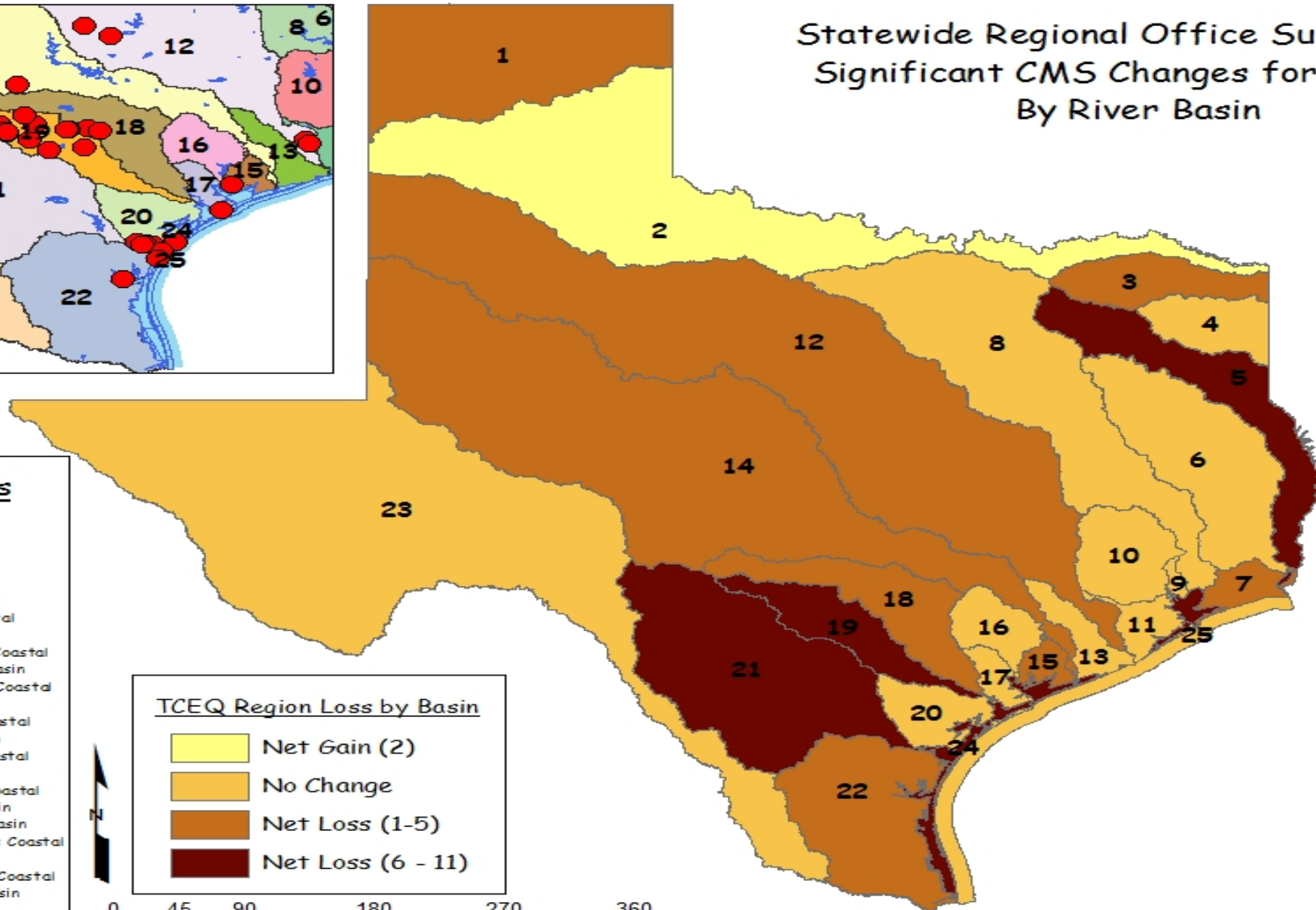
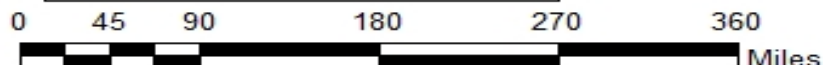
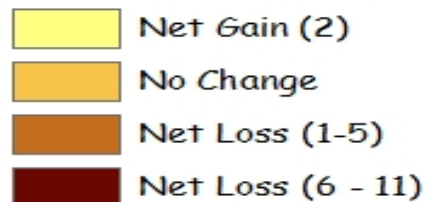
Statewide Regional Office Summary of Significant CMS Changes for FY2016 By River Basin



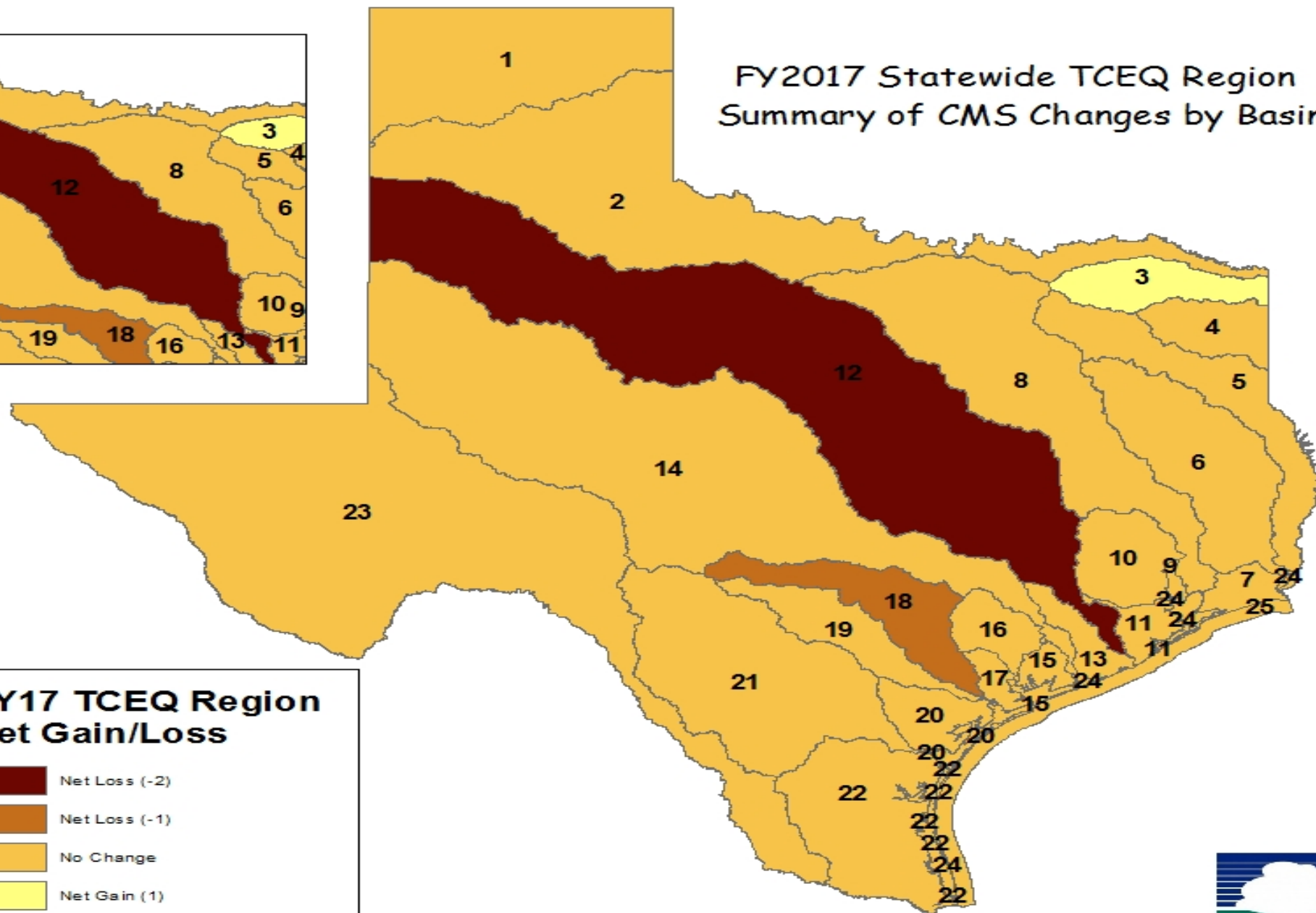
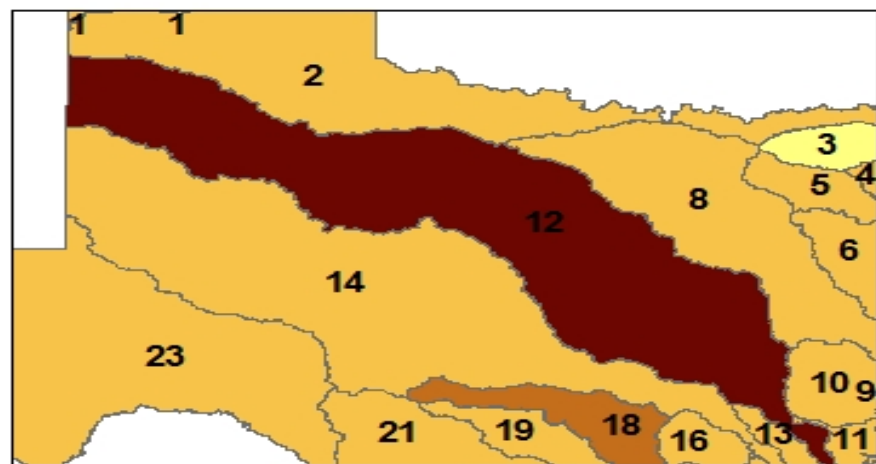
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TCEQ Region Loss by Basin



FY2017 Statewide TCEQ Region Summary of CMS Changes by Basin

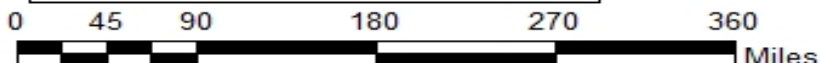


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FY17 TCEQ Region Net Gain/Loss

- Net Loss (-2)
- Net Loss (-1)
- No Change
- Net Gain (1)



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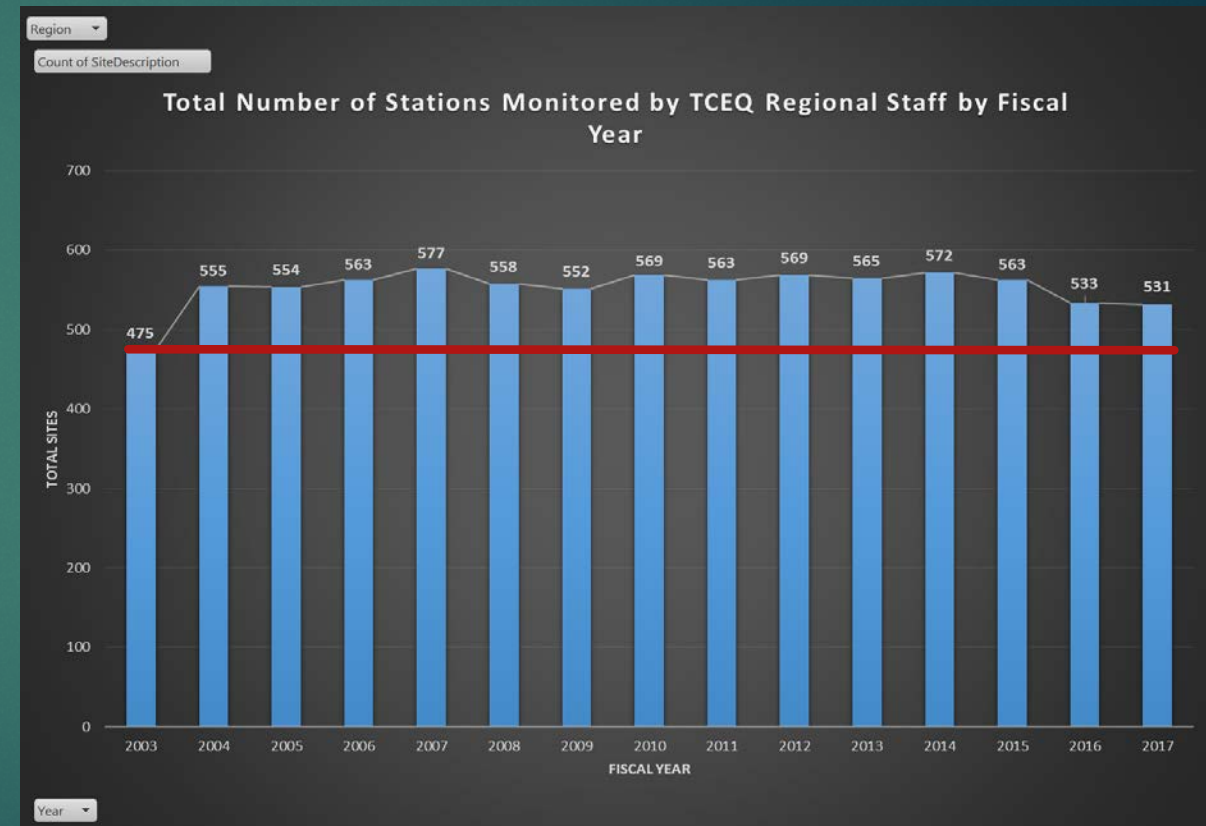
Routine Monitoring performed by TCEQ Field Offices 2003-2017



CRPVideo.mp4

Summarizing the State of Monitoring from 2003-2017

- ▶ 2003 – 1564 RT stations monitored by SWQM and CRP
- ▶ 2017 – 1907 RT stations to be monitored by SWQM and CRP (increase of 343 stations)
- ▶ 2003 – 475 RT stations monitored by TCEQ Field Offices
- ▶ 2017 – 531 RT stations monitored by TCEQ Field Offices



Questions?

