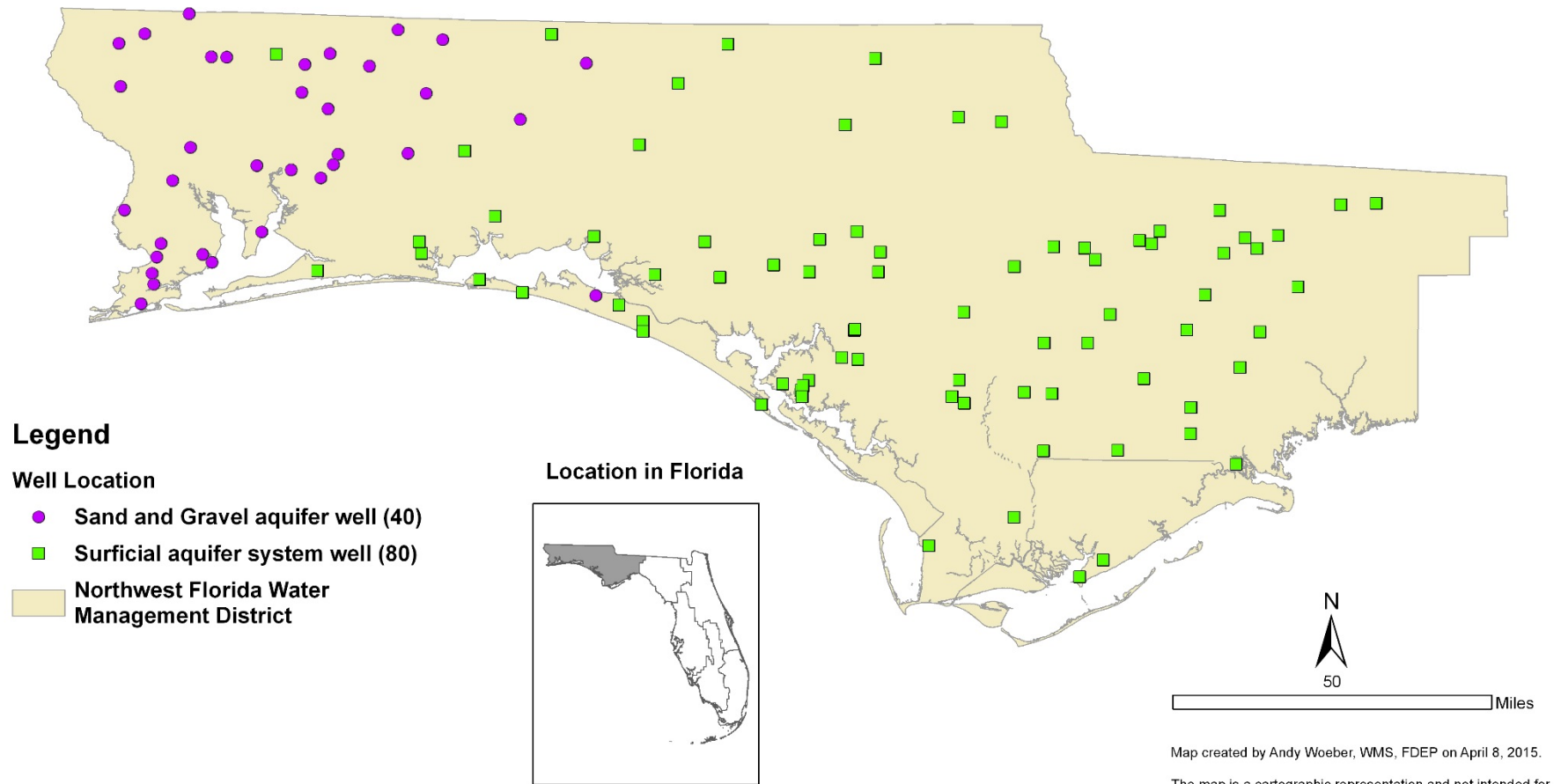
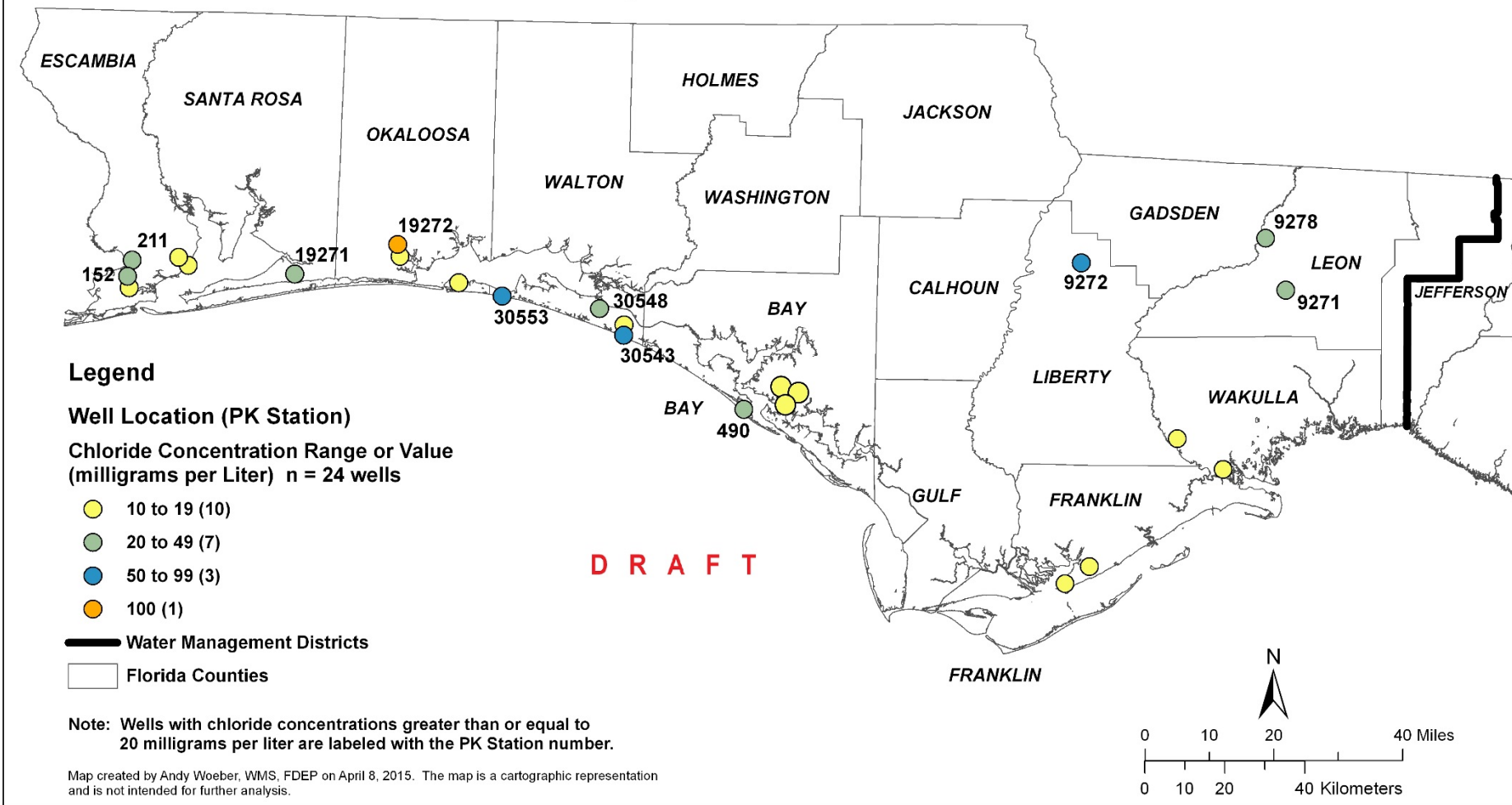


Location of wells tapping the Surficial aquifer system (SAS) Including the Sand and Gravel aquifer



DRAFT - Elevated Chloride Concentrations in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer



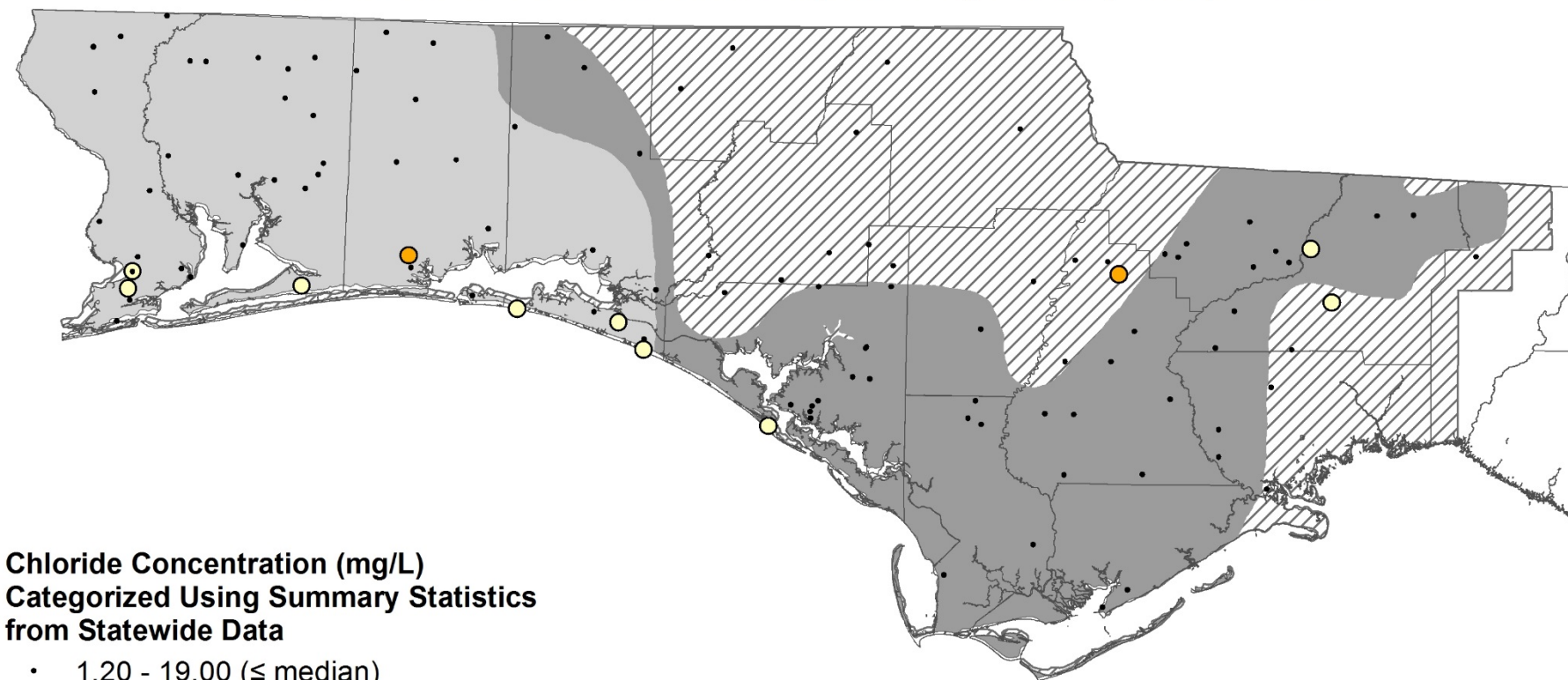
DRAFT - Chloride Concentrations in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer - Northwest Florida Water Management District



Map created by Andy Woeber, WMS, FDEP on April 8, 2015.
Contours developed using the inverse distance weighting process
using chloride concentrations from sampled Status Monitoring
Network wells in the surficial aquifer system (SAS).

The map is a cartographic representation and is not designed for
further analysis.

Chloride in Status Network Surficial Aquifer System (SAS) Wells



Chloride Concentration (mg/L) Categorized Using Summary Statistics from Statewide Data

- 1.20 - 19.00 ($\leq$ median)
- 19.01 - 58.50 (median to 75th percentile)
- 58.51 - 100.00 (75th to 90th percentile)
- N/A (No Data in NFWFMD > 90th percentile)

Florida Counties

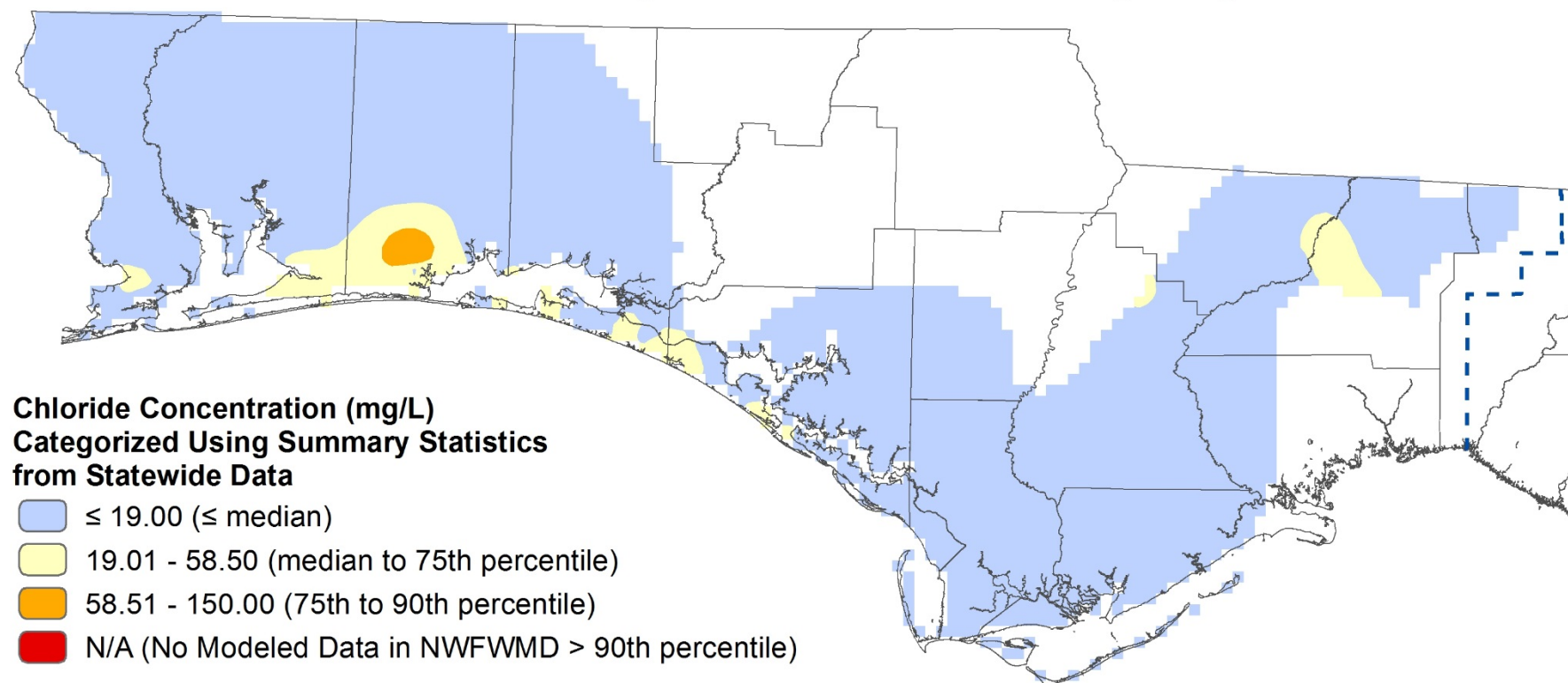
SAS Extent (USGS 2003) in NFWFMD

- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present



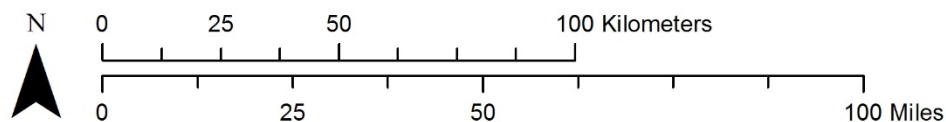
Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Chloride in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

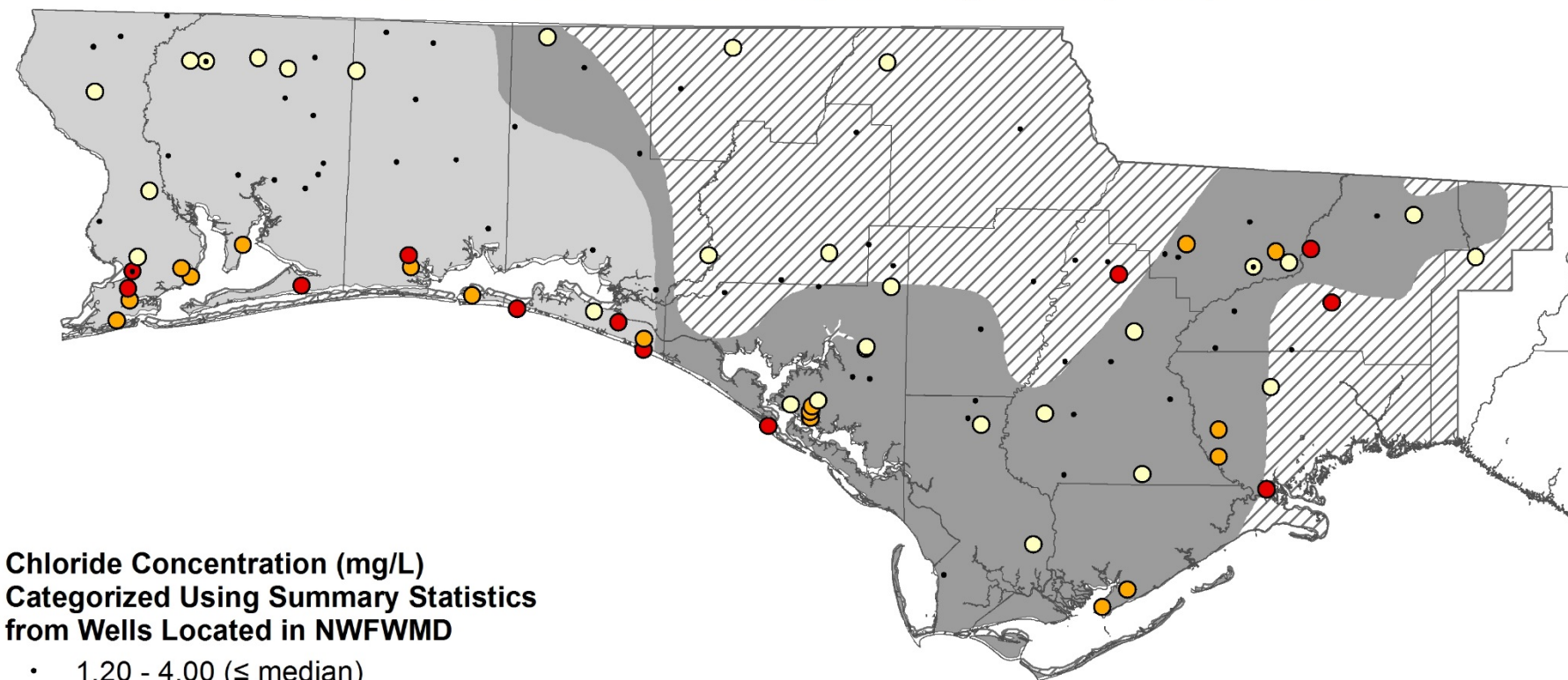
Florida Counties



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

Chloride in Status Network Surficial Aquifer System (SAS) Wells



Chloride Concentration (mg/L) Categorized Using Summary Statistics from Wells Located in NFWFMD

- 1.20 - 4.00 ($\leq$ median)
- 4.01 - 7.15 (median to 75th percentile)
- 7.16 - 16.10 (75th to 90th percentile)
- 16.11 - 100.00 ($>$ 90th percentile)

Florida Counties

SAS Extent (USGS 2003) in NFWFMD

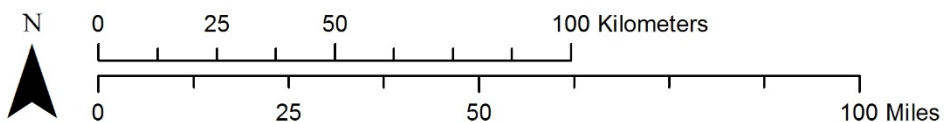
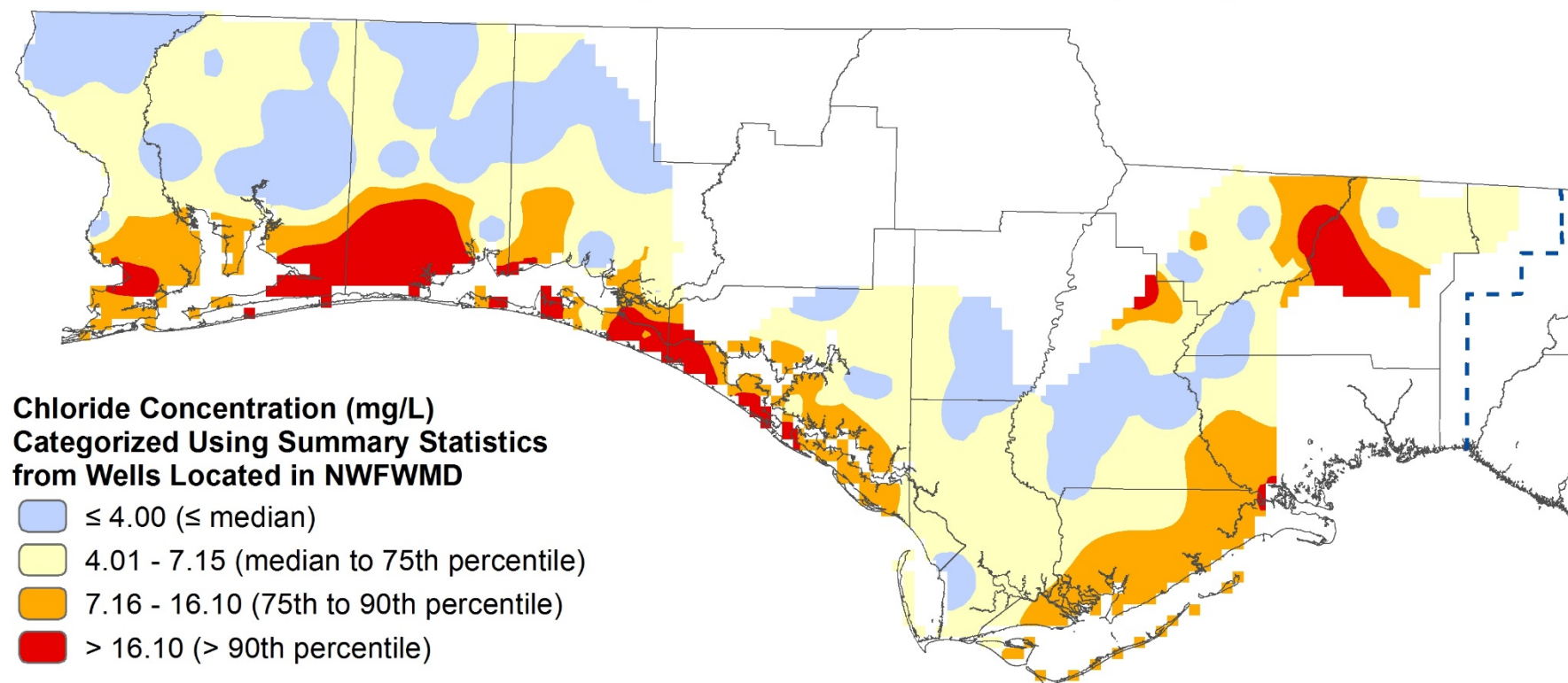
- Sand & Gravel Aquifer
- Surficial Aquifer System
- SAS Not Present



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

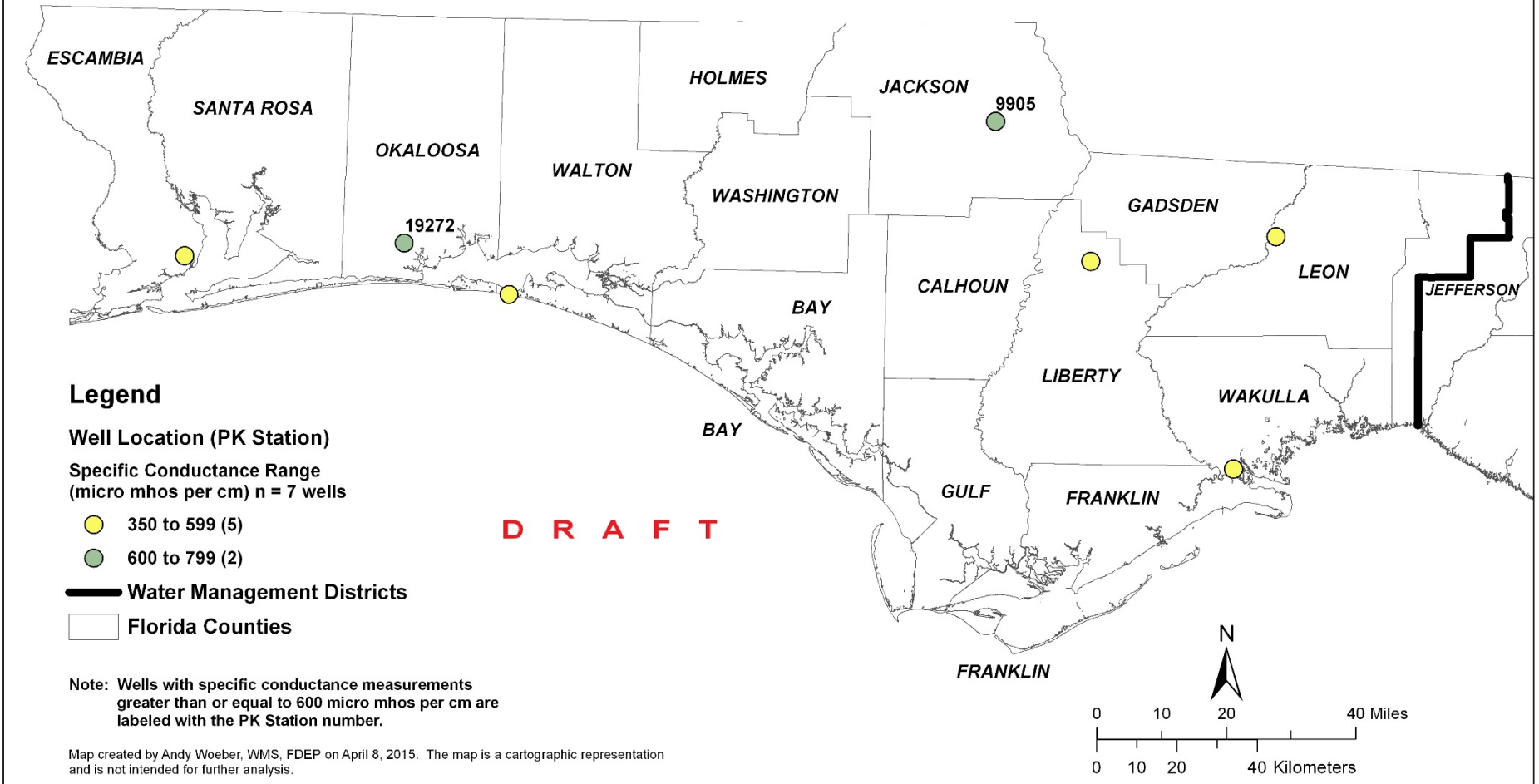
For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkqp_Maps_13May2015/MAPS-Read_Me_First.pdf.

Chloride in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting

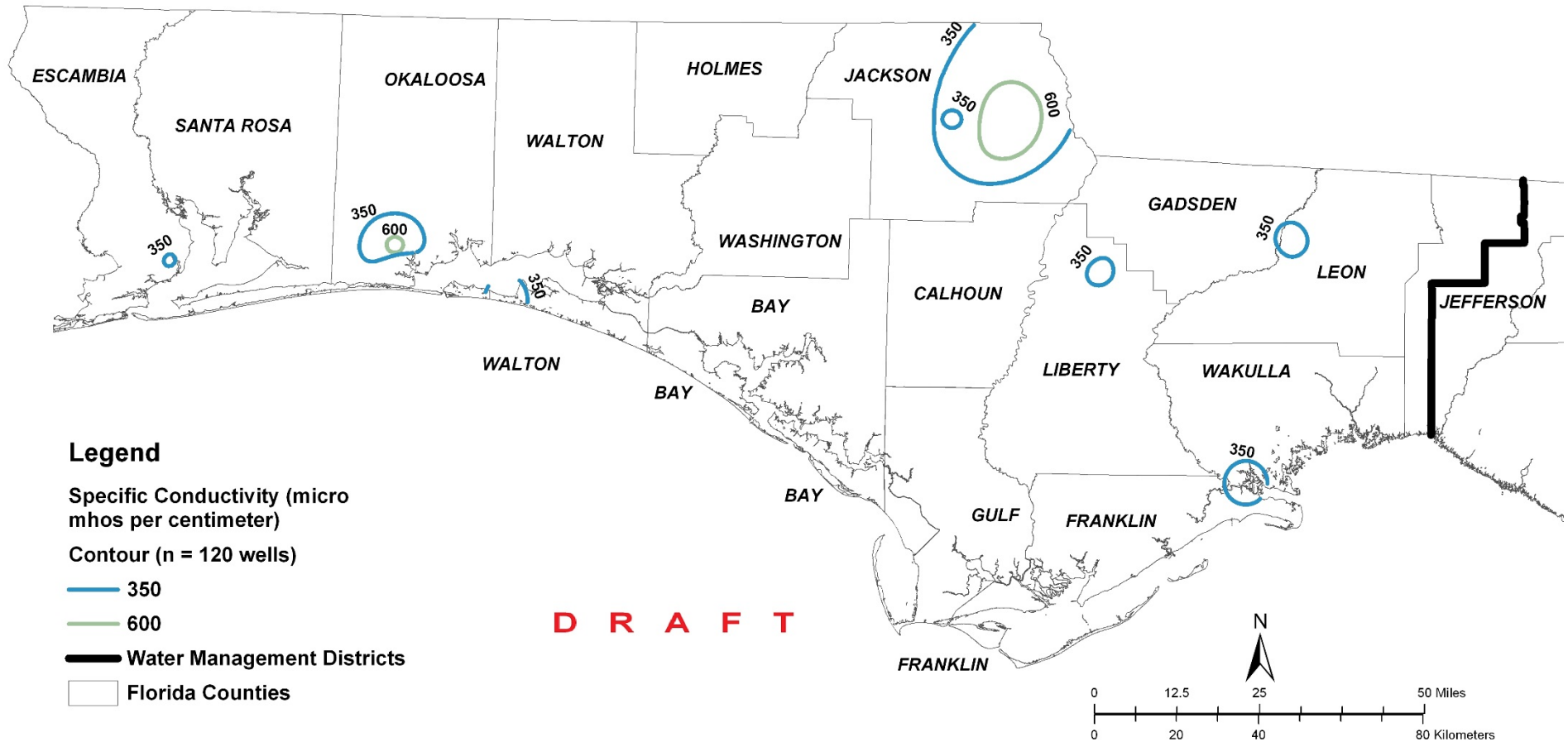


Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

DRAFT - Elevated Specific Conductance Measurements in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer



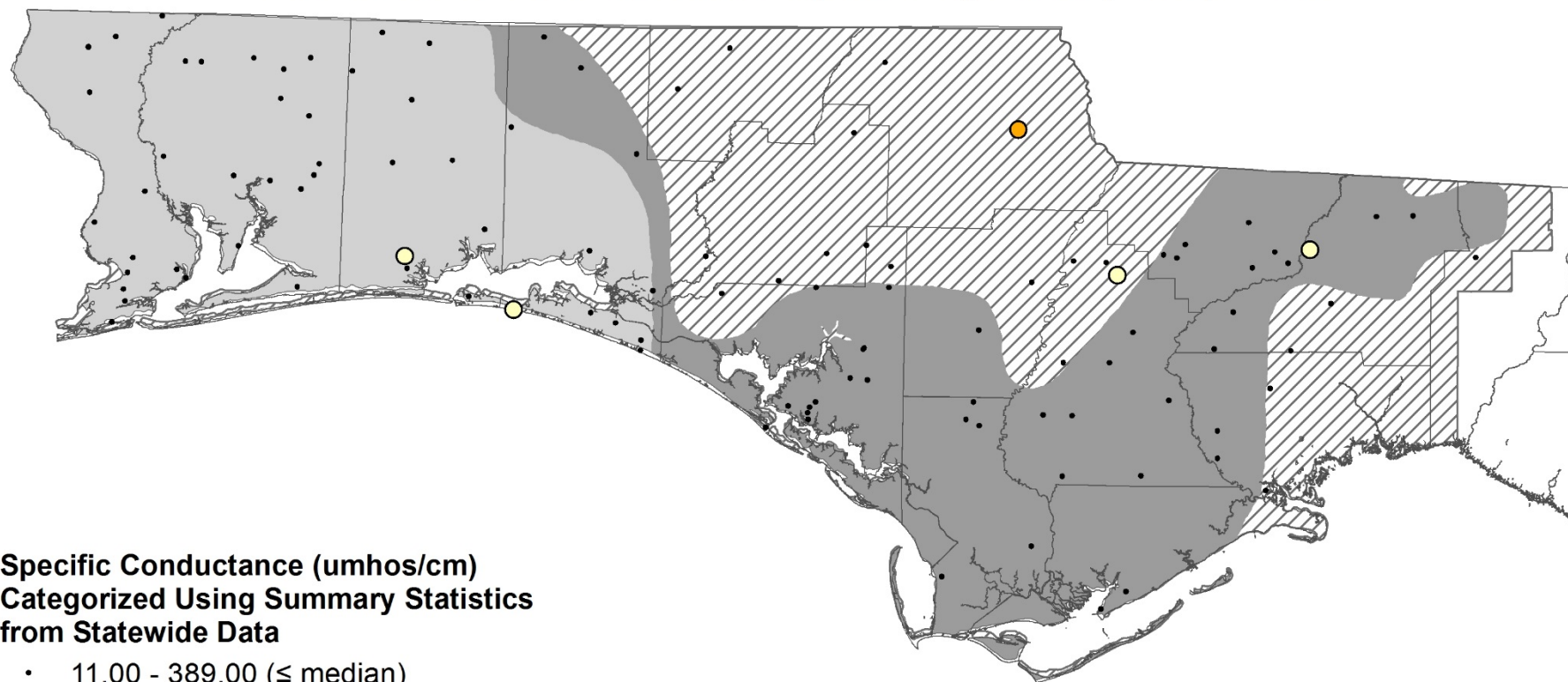
DRAFT - Specific Conductivity (SC) Measurements in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer - Northwest Florida Water Management District



Map created by Andy Woeber, WMS, FDEP on April 8, 2015.
Contours developed using the inverse distance weighting process using specific conductivity measurements from sampled Status Monitoring Network wells in the surficial aquifer system (SAS).

The map is a cartographic representation and is not designed for further analysis.

Specific Conductance in Status Network Surficial Aquifer System (SAS) Wells



Specific Conductance (umhos/cm) Categorized Using Summary Statistics from Statewide Data

- 11.00 - 389.00 (≤ median)
- 389.01 - 698.00 (median to 75th percentile)
- 698.01 - 744.00 (75th to 90th percentile)
- N/A (No Data in NFWMD > 90th percentile)

SAS Extent (USGS 2003) in NFWMD

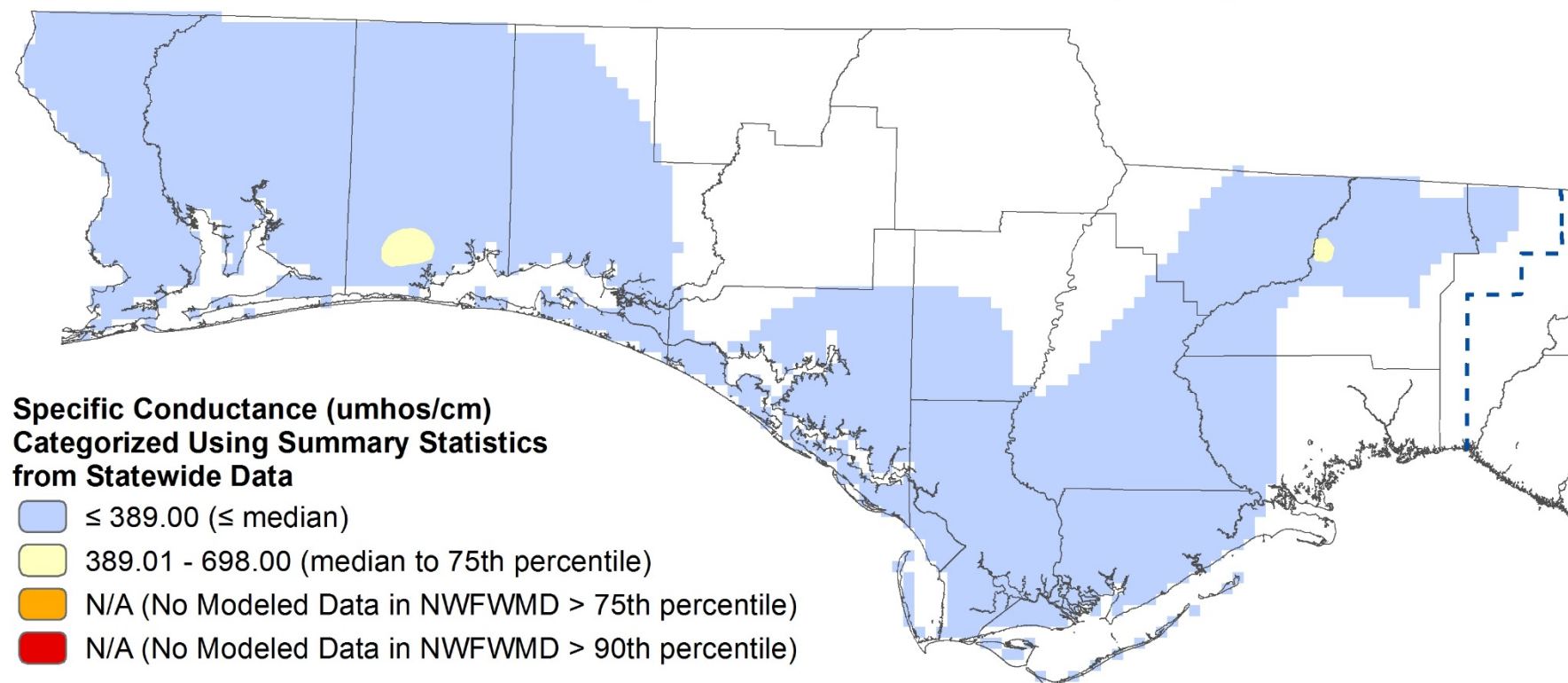
- Sand & Gravel Aquifer
- Surficial Aquifer System
- SAS Not Present

Florida Counties



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Specific Conductance in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

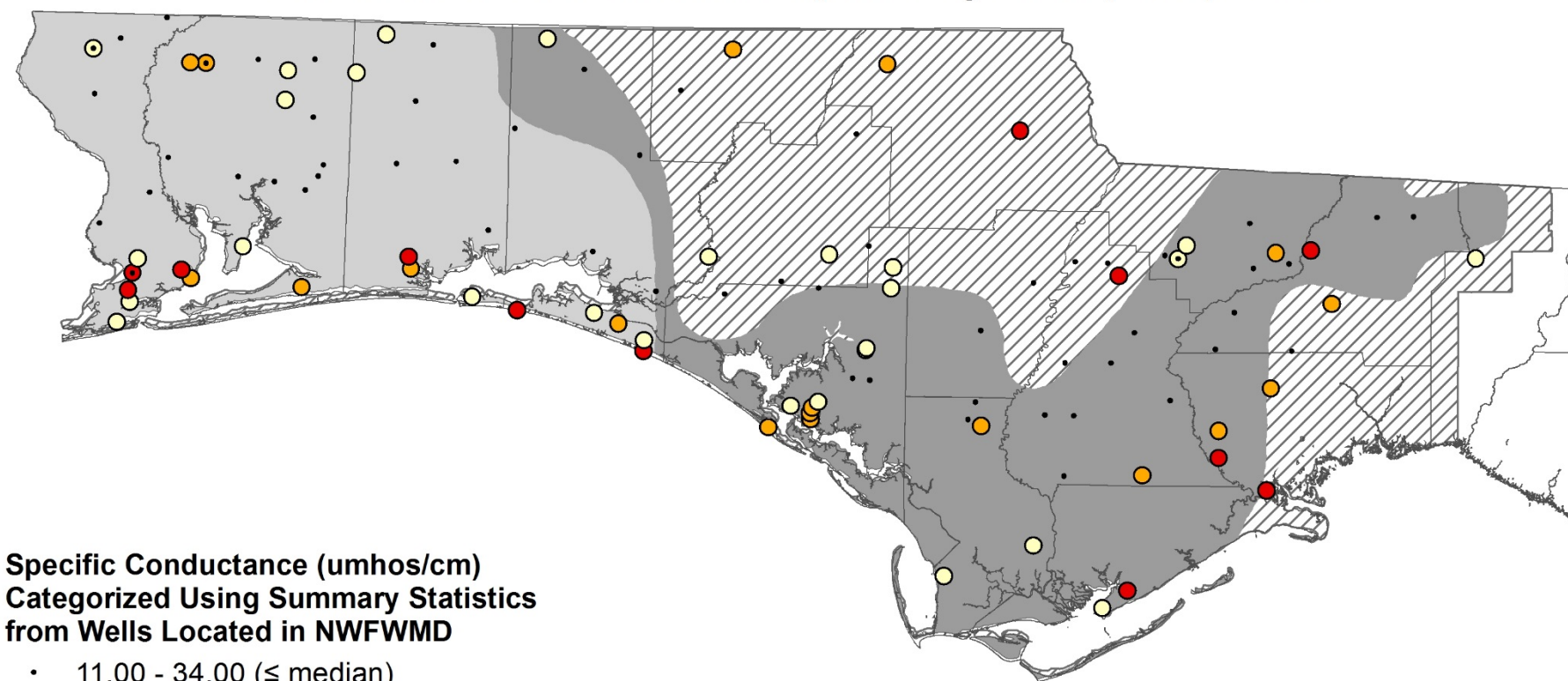
Florida Counties



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

Specific Conductance in Status Network Surficial Aquifer System (SAS) Wells



Specific Conductance (umhos/cm) Categorized Using Summary Statistics from Wells Located in NFWFMD

- 11.00 - 34.00 ($\leq$ median)
- 34.01 - 74.50 (median to 75th percentile)
- 74.51 - 212.20 (75th to 90th percentile)
- 212.21 - 744.00 ($>$ 90th percentile)

Florida Counties

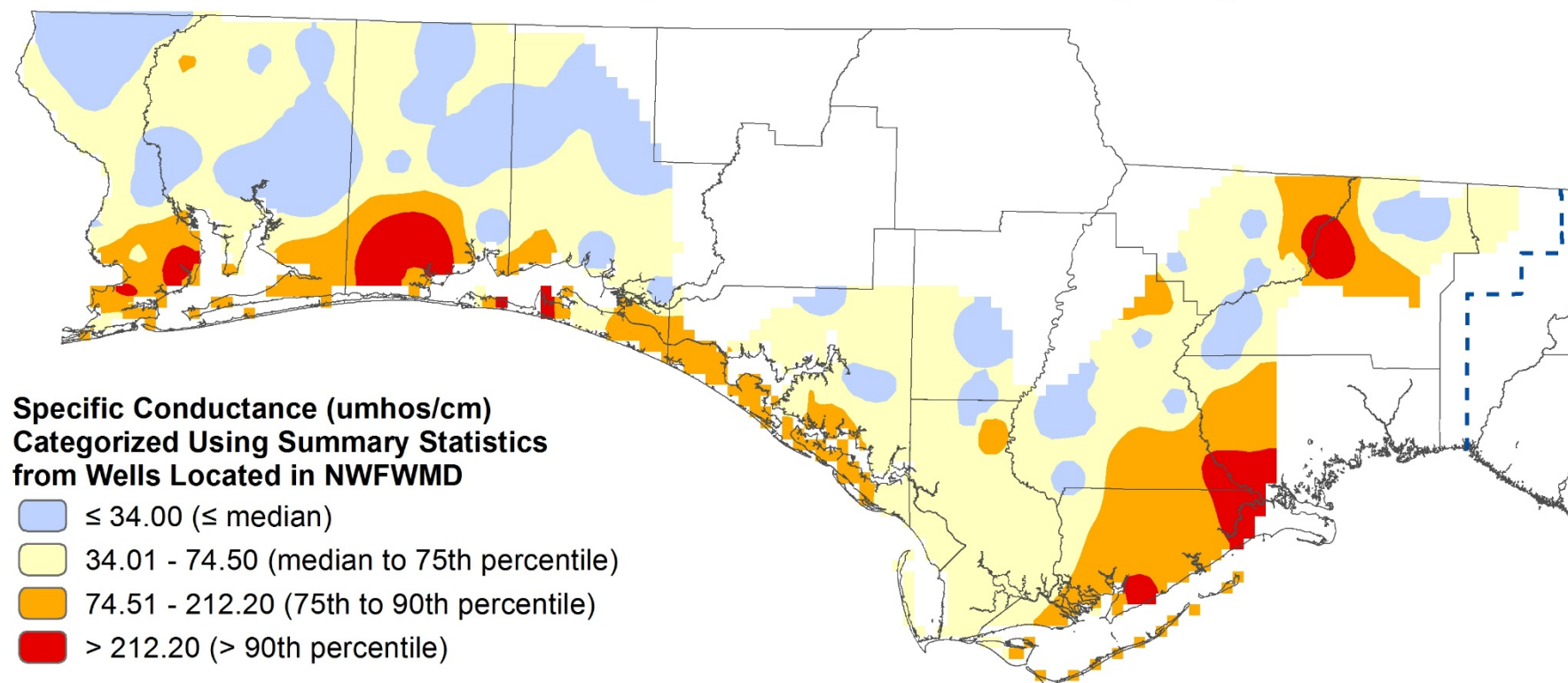


SAS Extent (USGS 2003) in NFWFMD

- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present

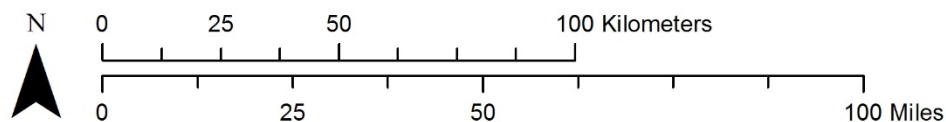
Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Specific Conductance in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

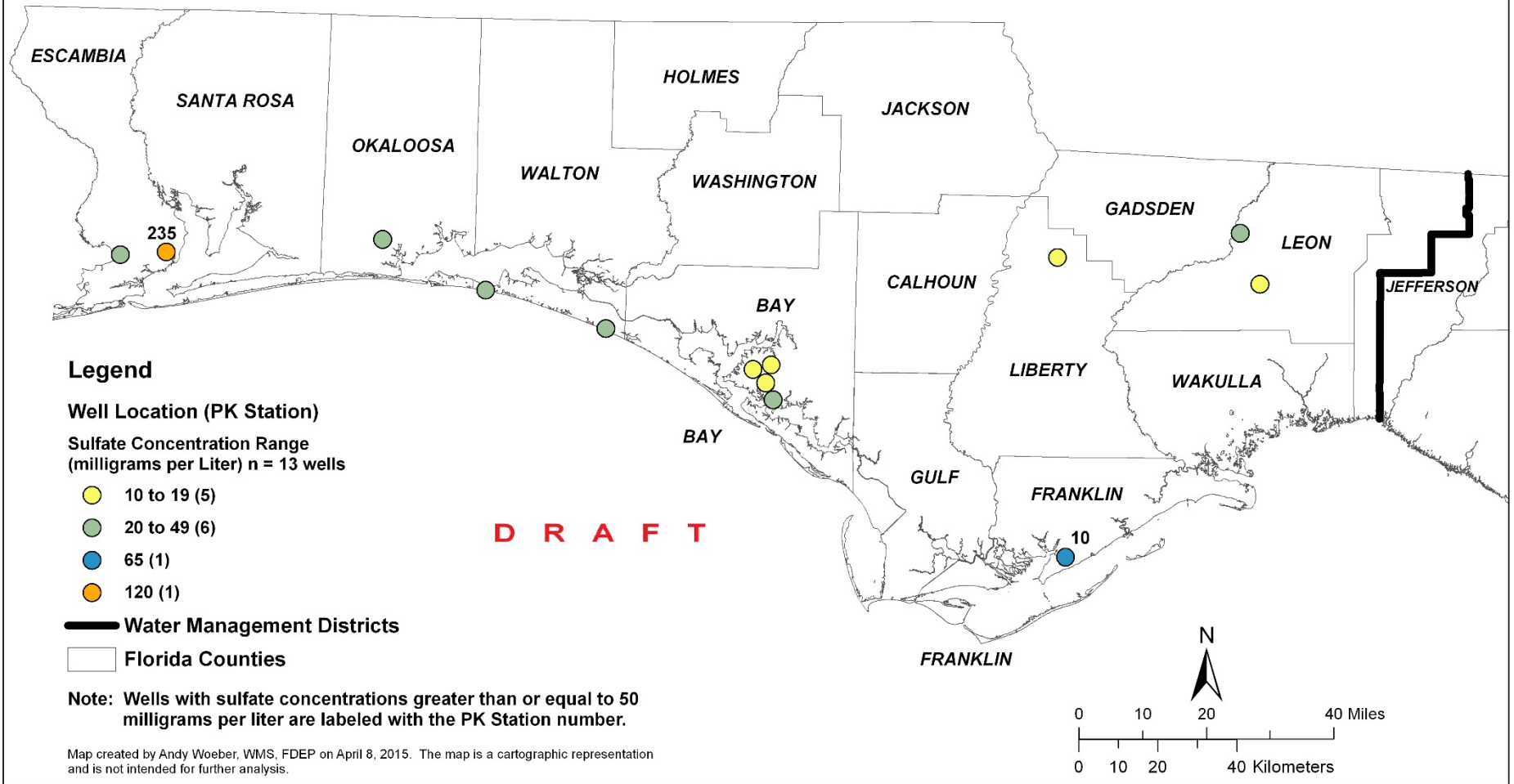
Florida Counties



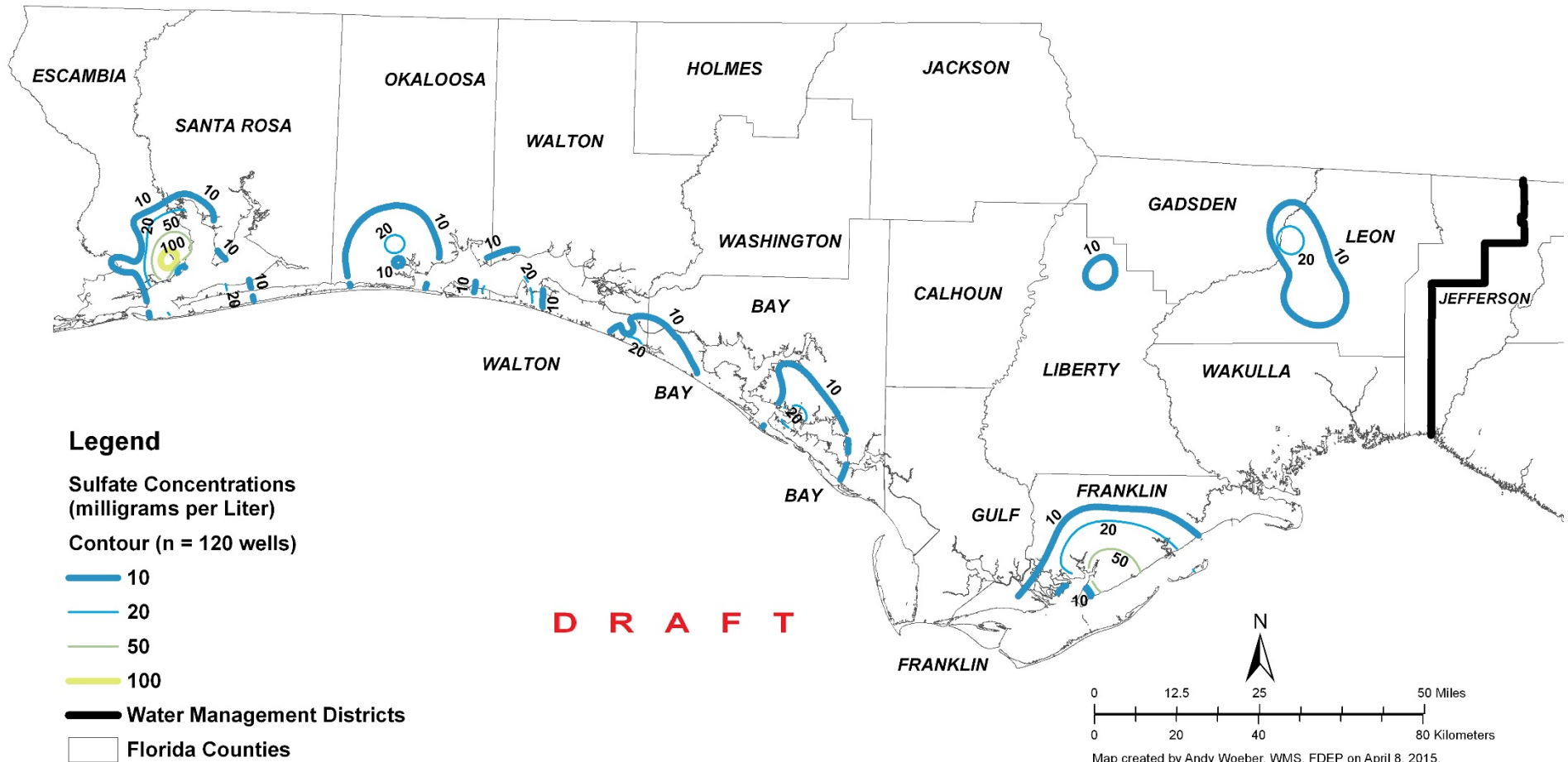
Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

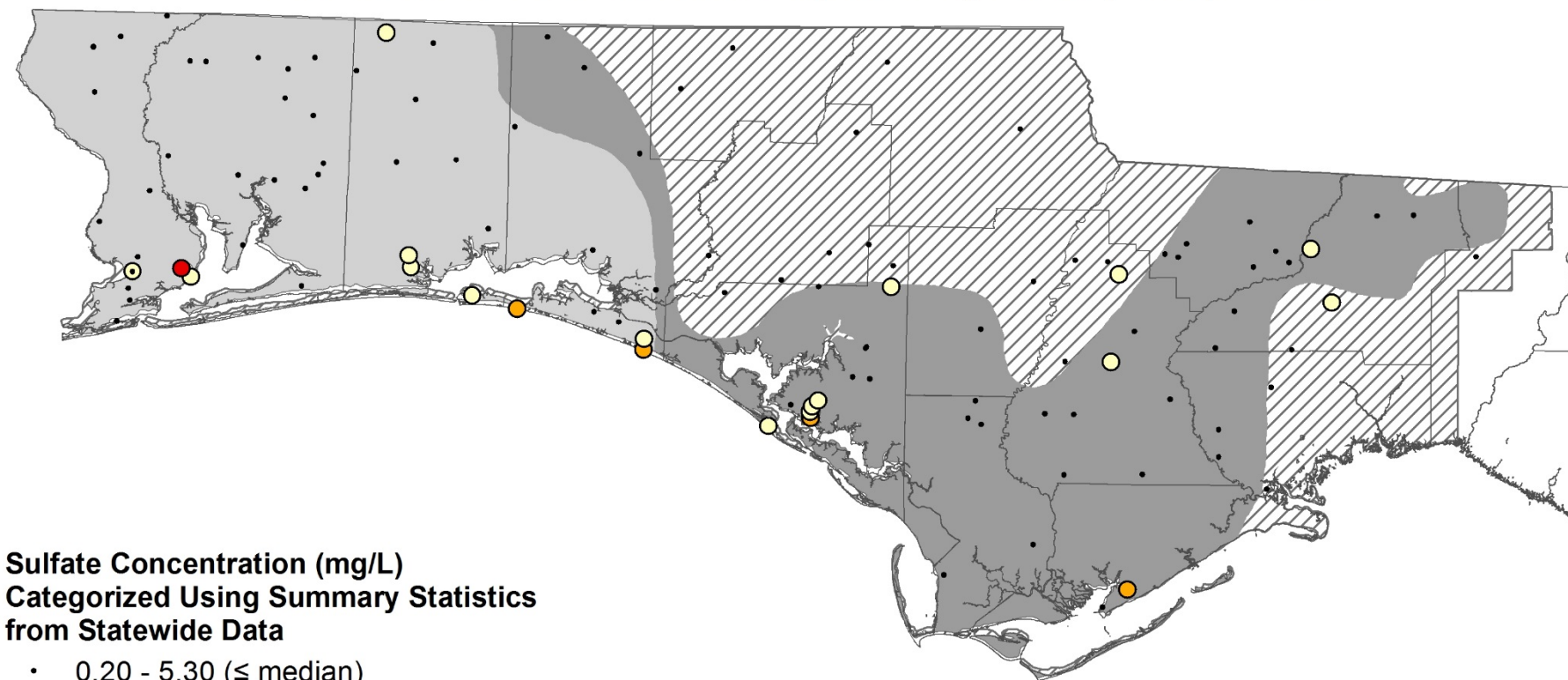
DRAFT - Elevated Sulfate Concentrations in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer



DRAFT - Sulfate Concentrations in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer - Northwest Florida Water Management District



Sulfate in Status Network Surficial Aquifer System (SAS) Wells



Sulfate Concentration (mg/L) Categorized Using Summary Statistics from Statewide Data

- 0.20 - 5.30 ($\leq$ median)
- 5.31 - 25.00 (median to 75th percentile)
- 25.01 - 68.20 (75th to 90th percentile)
- 68.21 - 120.00 ($>$ 90th percentile)

Florida Counties

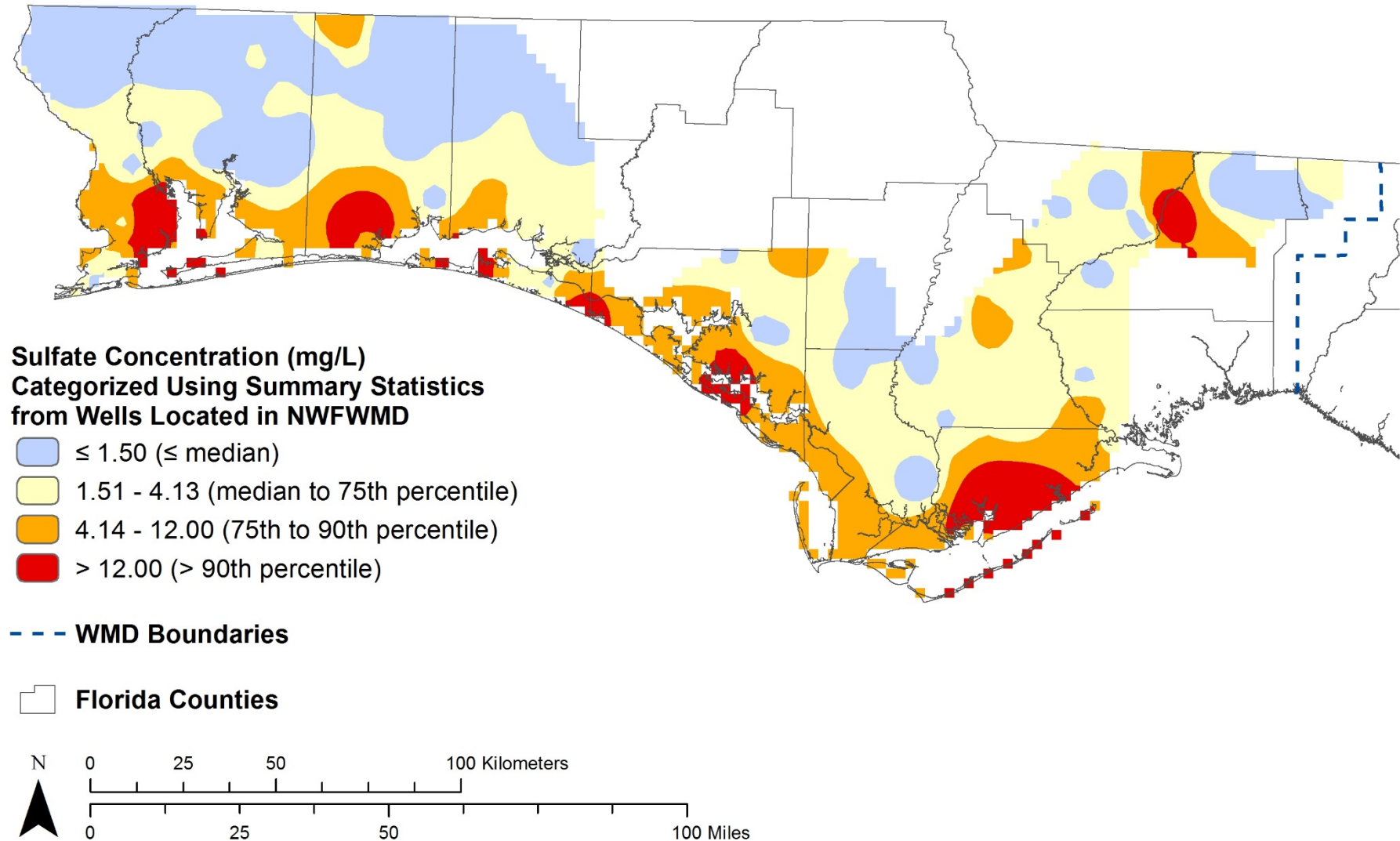


SAS Extent (USGS 2003) in NFWMD

- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present

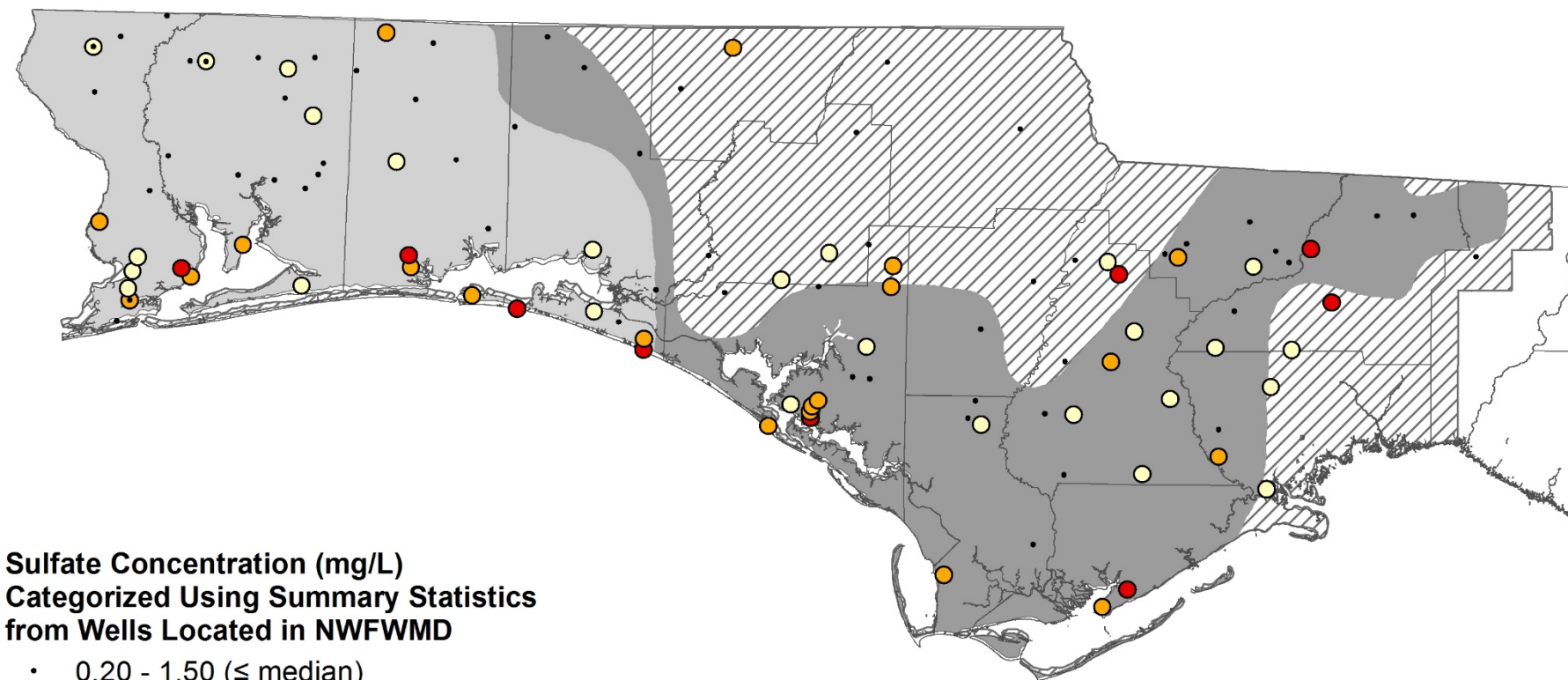
Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Sulfate in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Sulfate in Status Network Surficial Aquifer System (SAS) Wells



Sulfate Concentration (mg/L) Categorized Using Summary Statistics from Wells Located in NFWFMD

- 0.20 - 1.50 ($\leq$ median)
- 1.51 - 4.13 (median to 75th percentile)
- 4.14 - 12.00 (75th to 90th percentile)
- 12.01 - 120.00 ($>$ 90 th percentile)

SAS Extent (USGS 2003) in NFWFMD

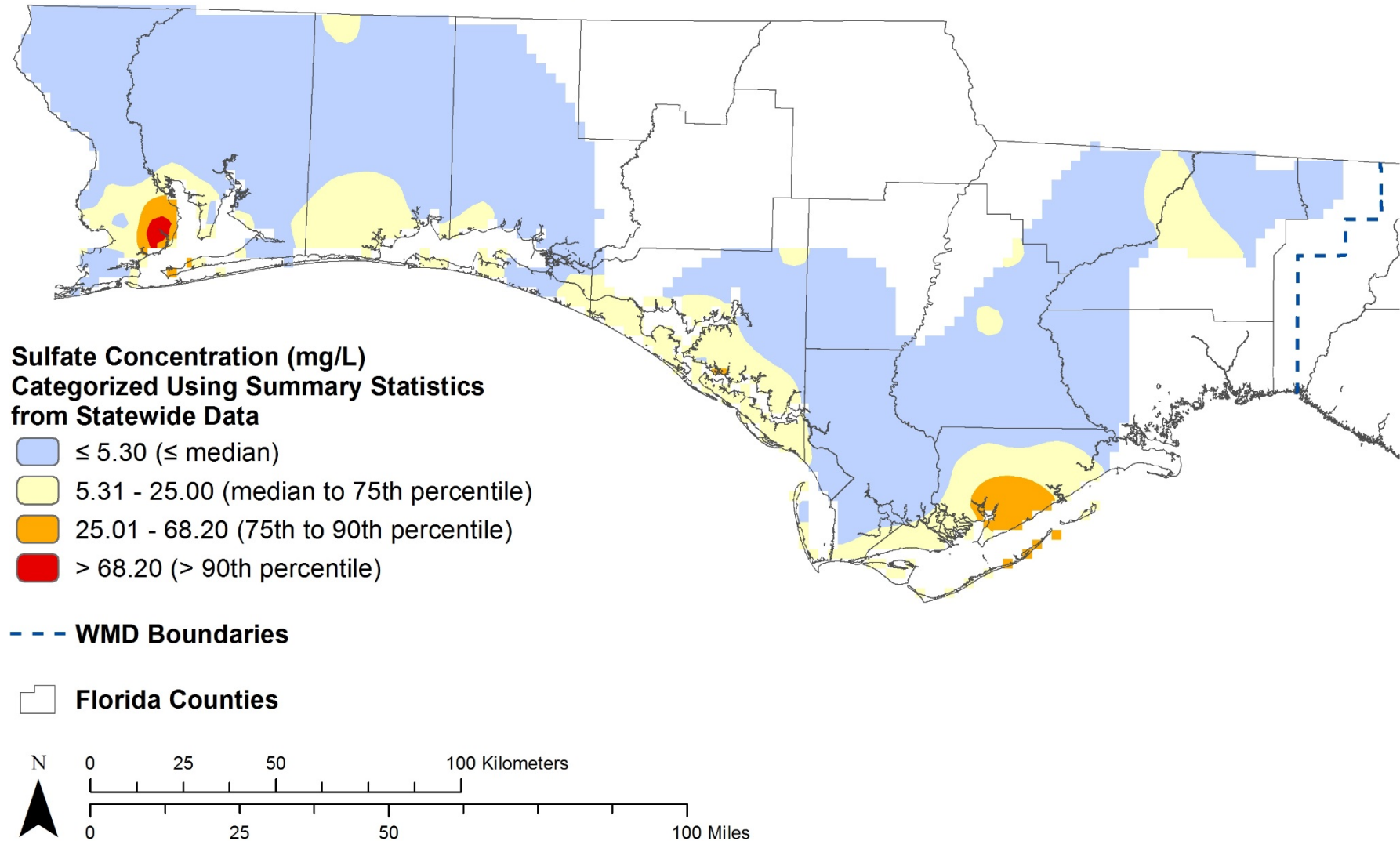
- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present

Florida Counties



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Sulfate in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



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**D R A F T - Elevated Total Dissolved Solids (TDS) Concentrations in
Wells Tapping the Surficial Aquifer System (SAS)
including the Sand and Gravel aquifer**



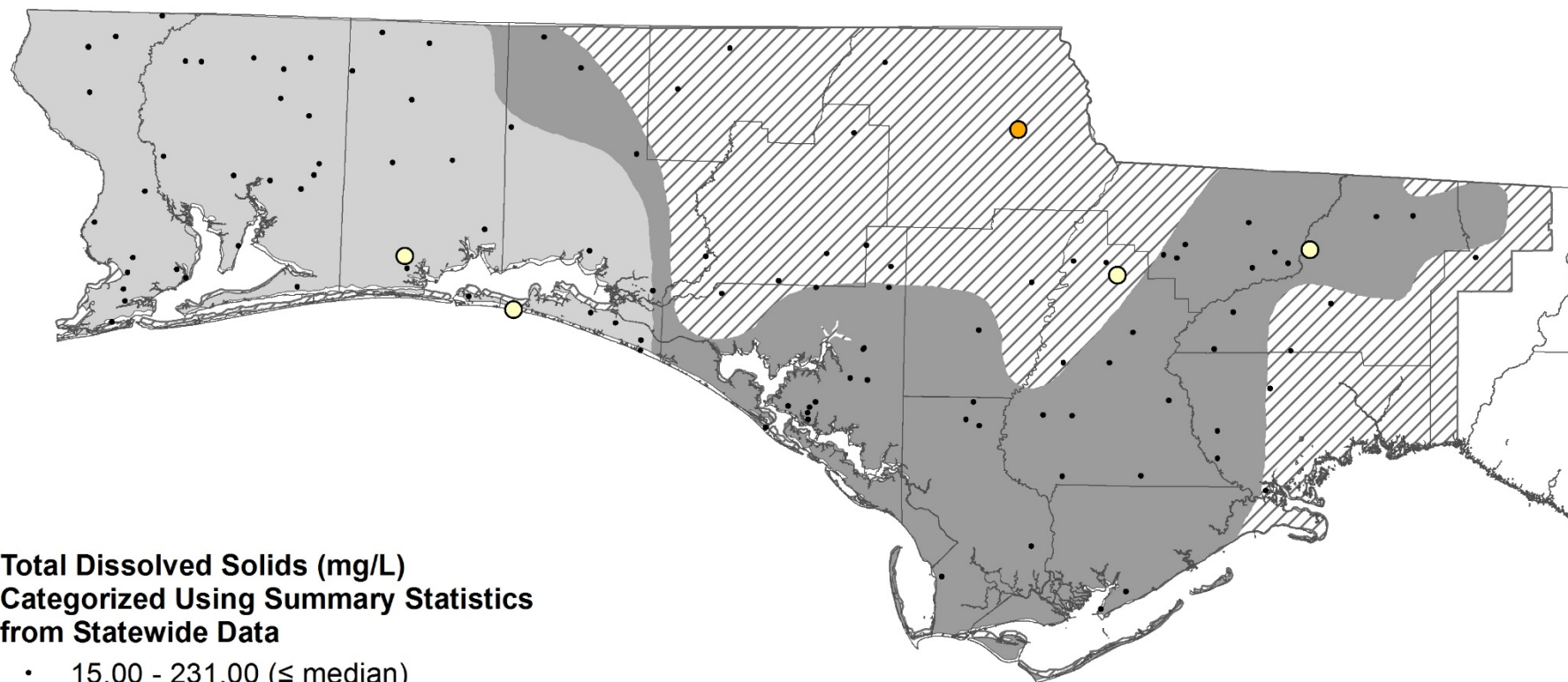
DRAFT - Total Dissolved Solids (TDS) Concentrations in Wells Tapping the Surficial Aquifer System (SAS) including the Sand and Gravel aquifer - Northwest Florida Water Management District



Map created by Andy Woeber, WMS, FDEP on April 8, 2015.
Contours developed using the inverse distance weighting process
using TDS concentrations from sampled Status Monitoring
Network wells in the surficial aquifer system (SAS).

The map is a cartographic representation and is not designed for
further analysis.

Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells



Total Dissolved Solids (mg/L) Categorized Using Summary Statistics from Statewide Data

- 15.00 - 231.00 ($\leq$ median)
- 231.01 - 418.00 (median to 75th percentile)
- 418.01 - 423.00 (75th to 90th percentile)
- N/A (No Data in NFWMD > 90th percentile)

Florida Counties

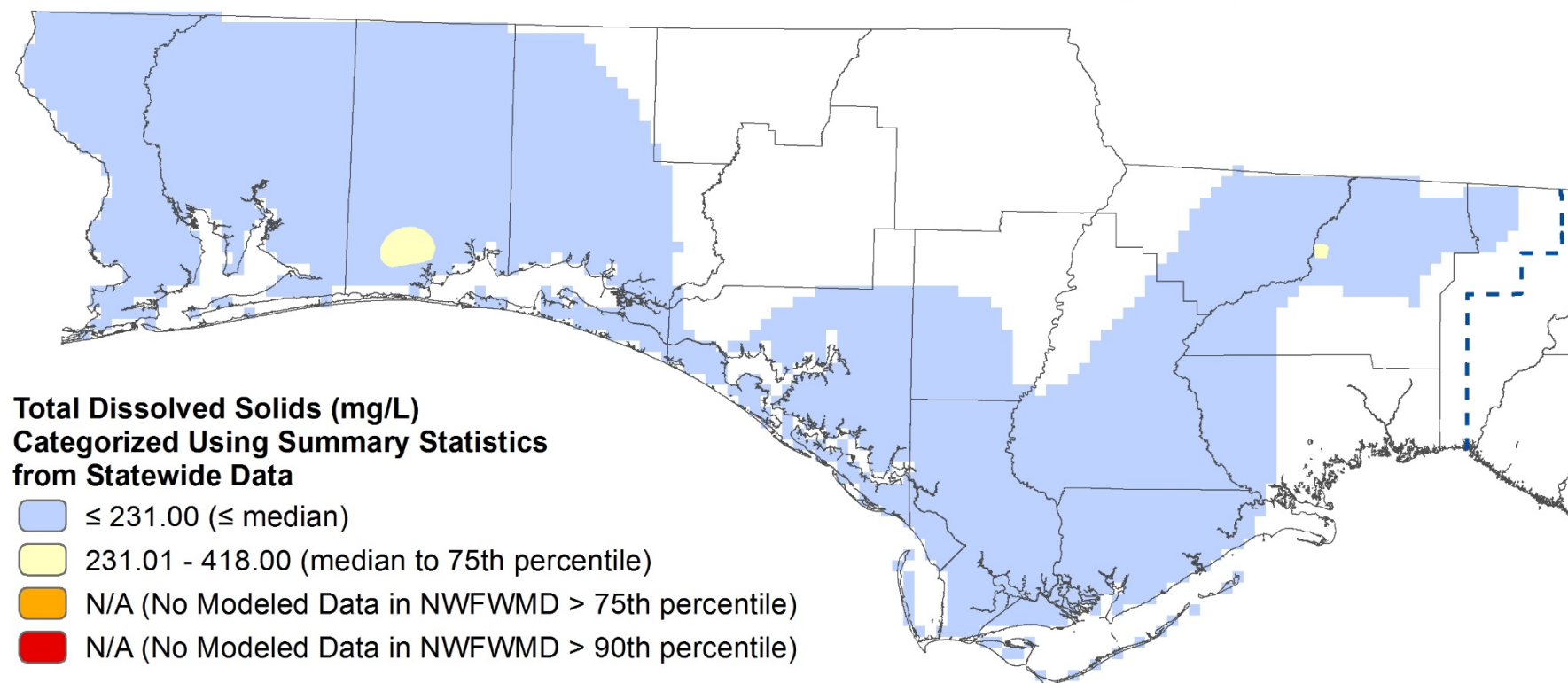
SAS Extent (USGS 2003) in NFWMD

- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present



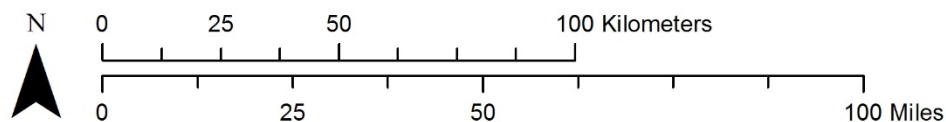
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Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

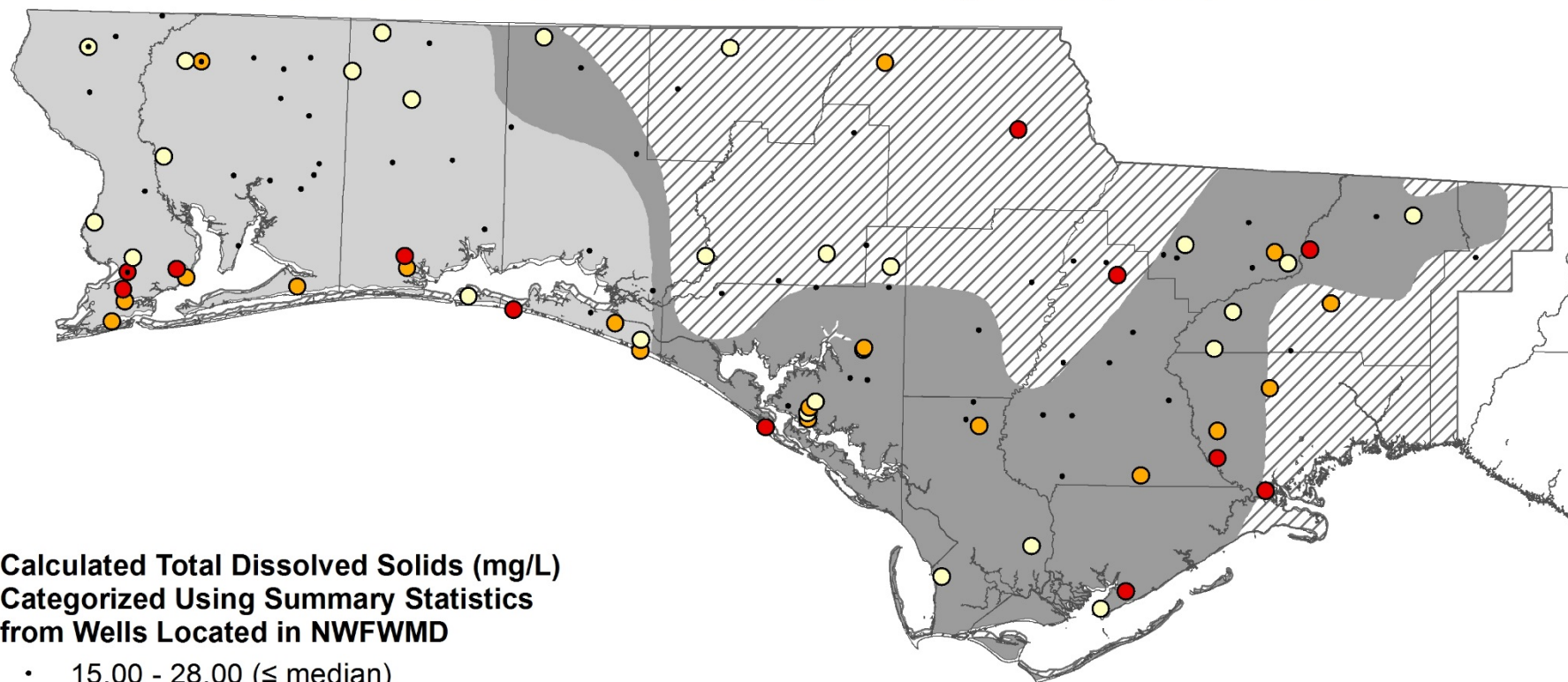
Florida Counties



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

Calculated Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells



Calculated Total Dissolved Solids (mg/L) Categorized Using Summary Statistics from Wells Located in NFWFMD

- 15.00 - 28.00 ($\leq$ median)
- 28.01 - 47.25 (median to 75th percentile)
- 47.26 - 136.50 (75th to 90th percentile)
- 136.51 - 597.75 ($>$ 90th percentile)

Florida Counties

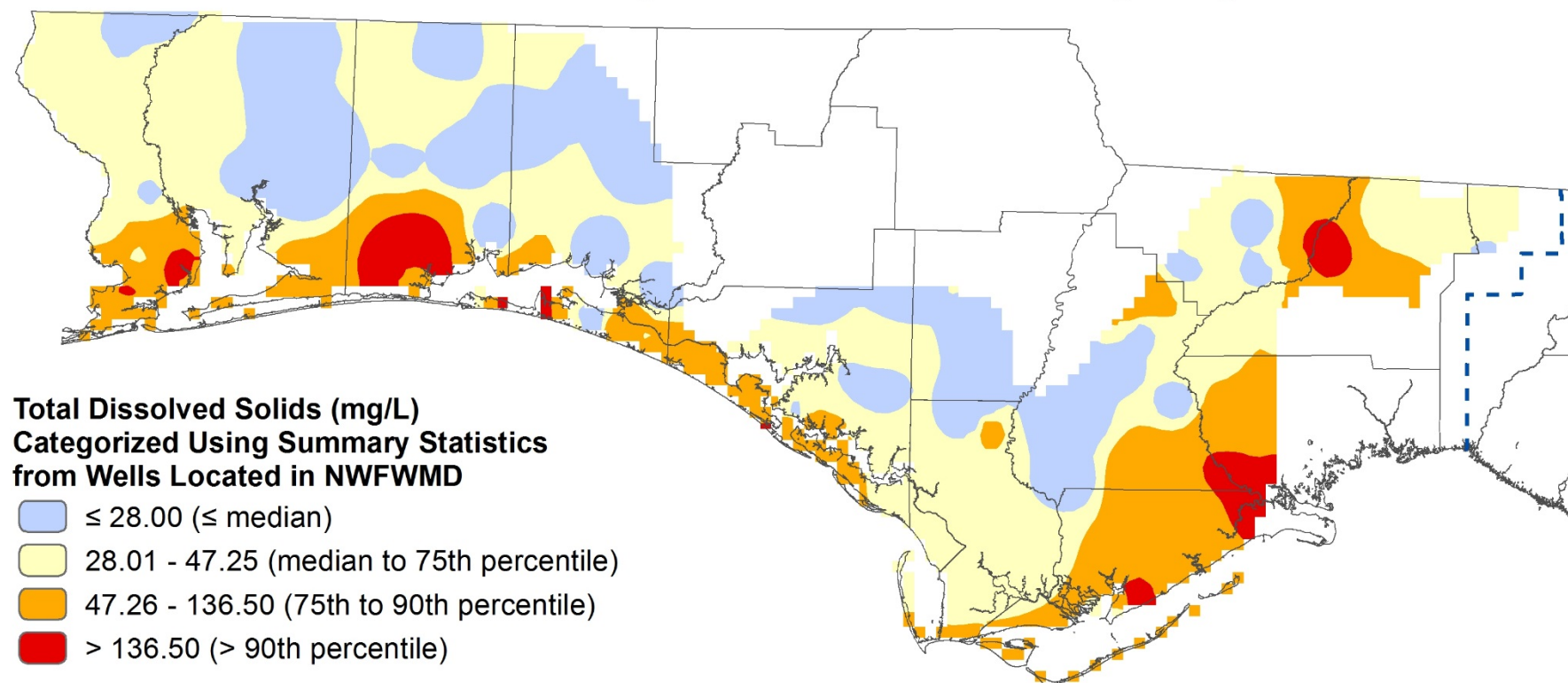
SAS Extent (USGS 2003) in NFWFMD

- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present



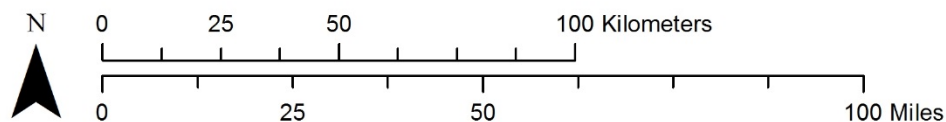
Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

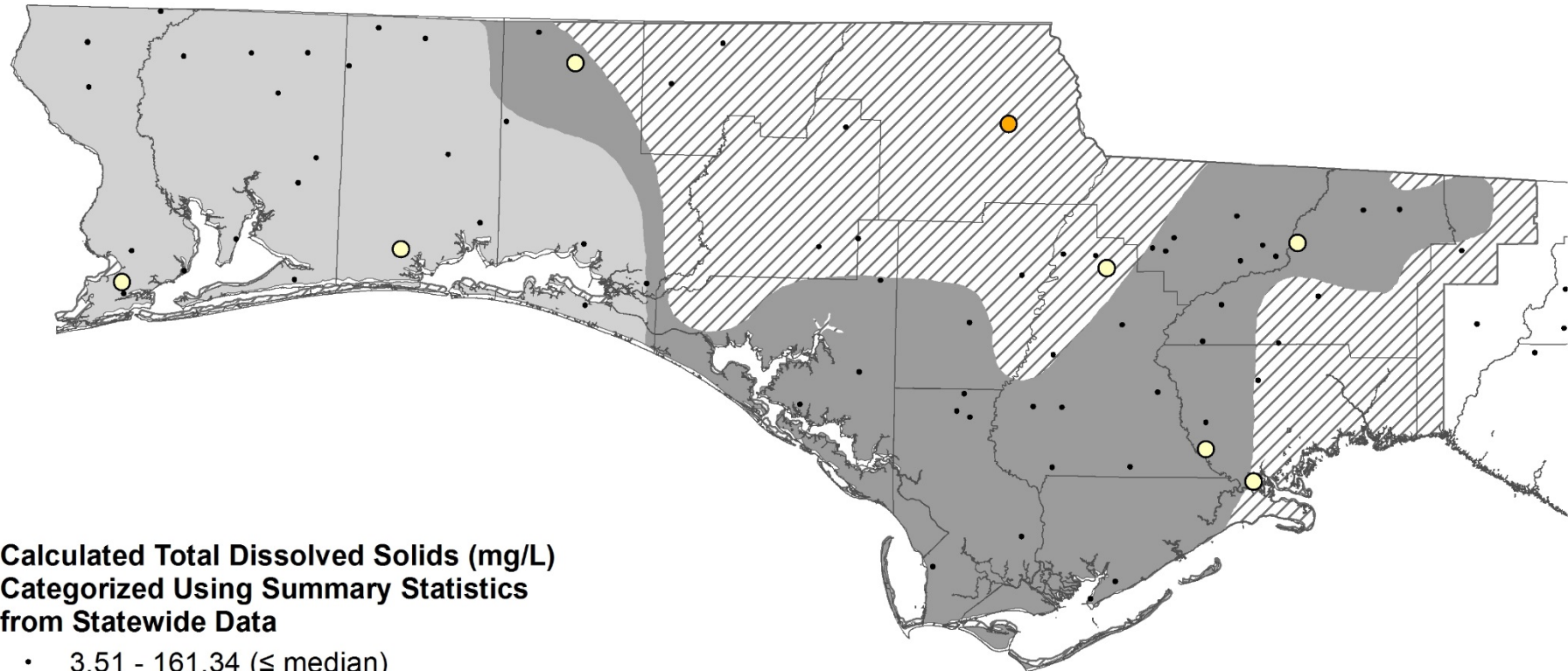
Florida Counties



Created May 5, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

Calculated Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells



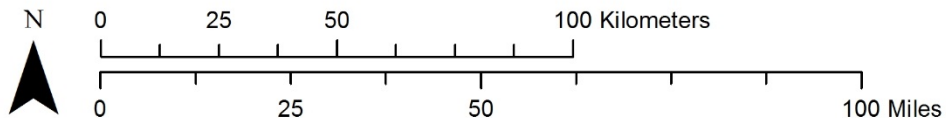
Calculated Total Dissolved Solids (mg/L) Categorized Using Summary Statistics from Statewide Data

- 3.51 - 161.34 ($\leq$ median)
- 161.35 - 439.97 (median to 75th percentile)
- 439.98 - 597.75 (75th to 90th percentile)
- N/A (No Data in NFWMD > 90th percentile)

SAS Extent (USGS 2003) in NFWMD

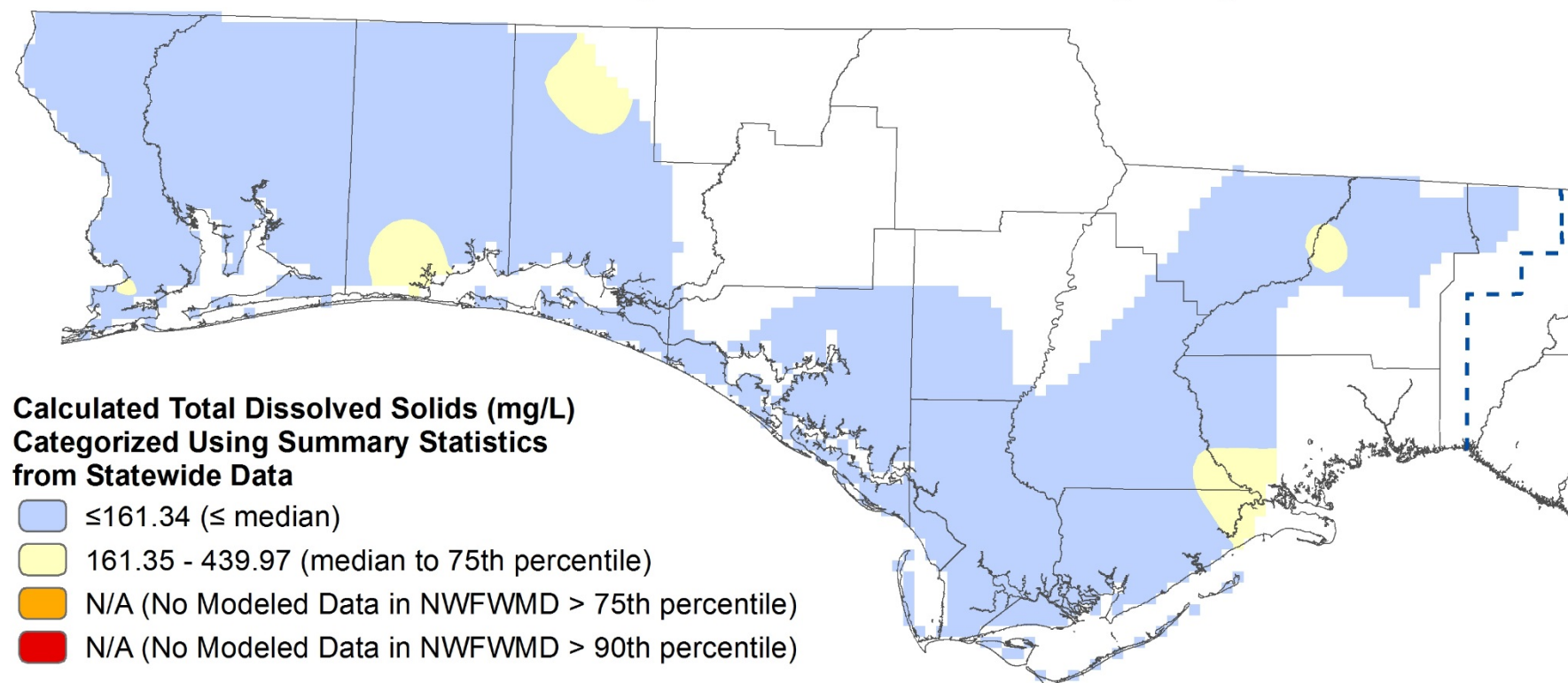
- Sand & Gravel Aquifer
- Surficial Aquifer System
- ▨ SAS Not Present

Florida Counties



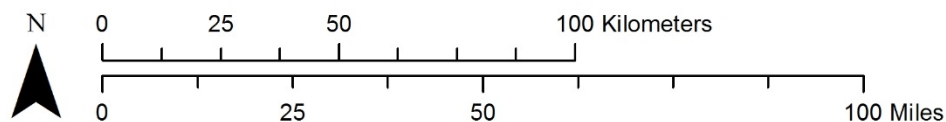
Created May 4, 2015 by Florida Department of Environmental Protection staff in the Division of Environmental Assessment and Restoration. This map is a cartographic representation and is not intended for further analysis. Aquifer extent data from USGS (2003). Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands, available at http://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml.

Calculated Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

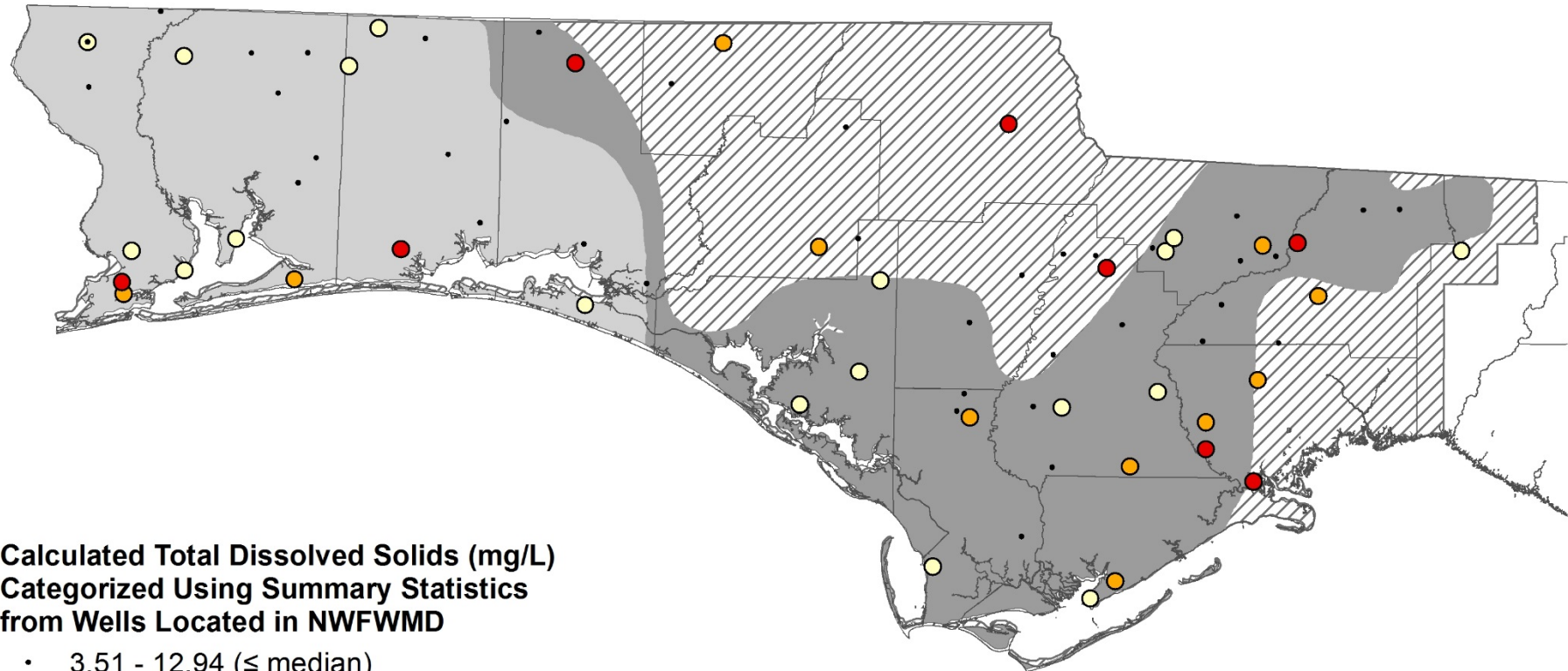
Florida Counties



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For more information visit http://publicfiles.dep.state.fl.us/dear/FWRMC/Salinity_Network_Wkpg_Maps_13May2015/MAPS-Read_Me_First.pdf.

Calculated Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells



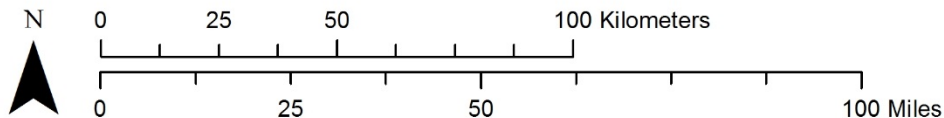
Calculated Total Dissolved Solids (mg/L) Categorized Using Summary Statistics from Wells Located in NFWFMD

- 3.51 - 12.94 ($\leq$ median)
- 12.95 - 32.62 (median to 75th percentile)
- 32.63 - 188.60 (75th to 90th percentile)
- 188.61 - 597.75 ($>$ 90th percentile)

SAS Extent (USGS 2003) in NFWFMD

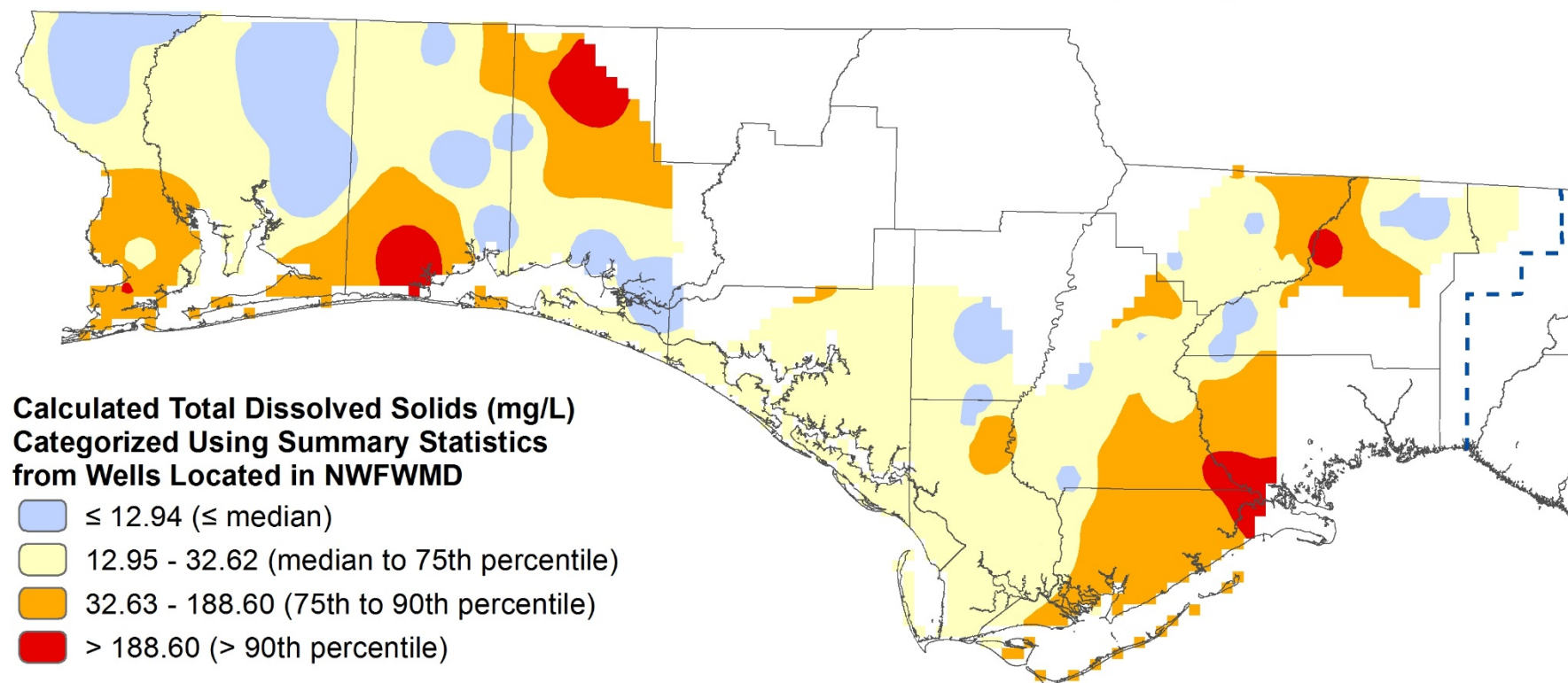
- Sand & Gravel Aquifer
- Surficial Aquifer System
- SAS Not Present

Florida Counties



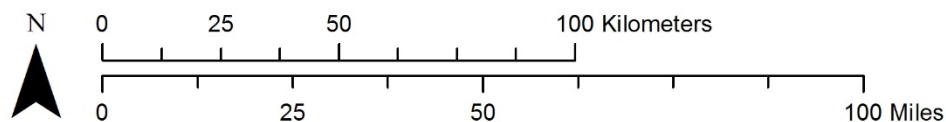
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Calculated Total Dissolved Solids (TDS) in Status Network Surficial Aquifer System (SAS) Wells Modeled using Inverse Distance Weighting



-- WMD Boundaries

Florida Counties



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