

Watermaster Deputies at Work

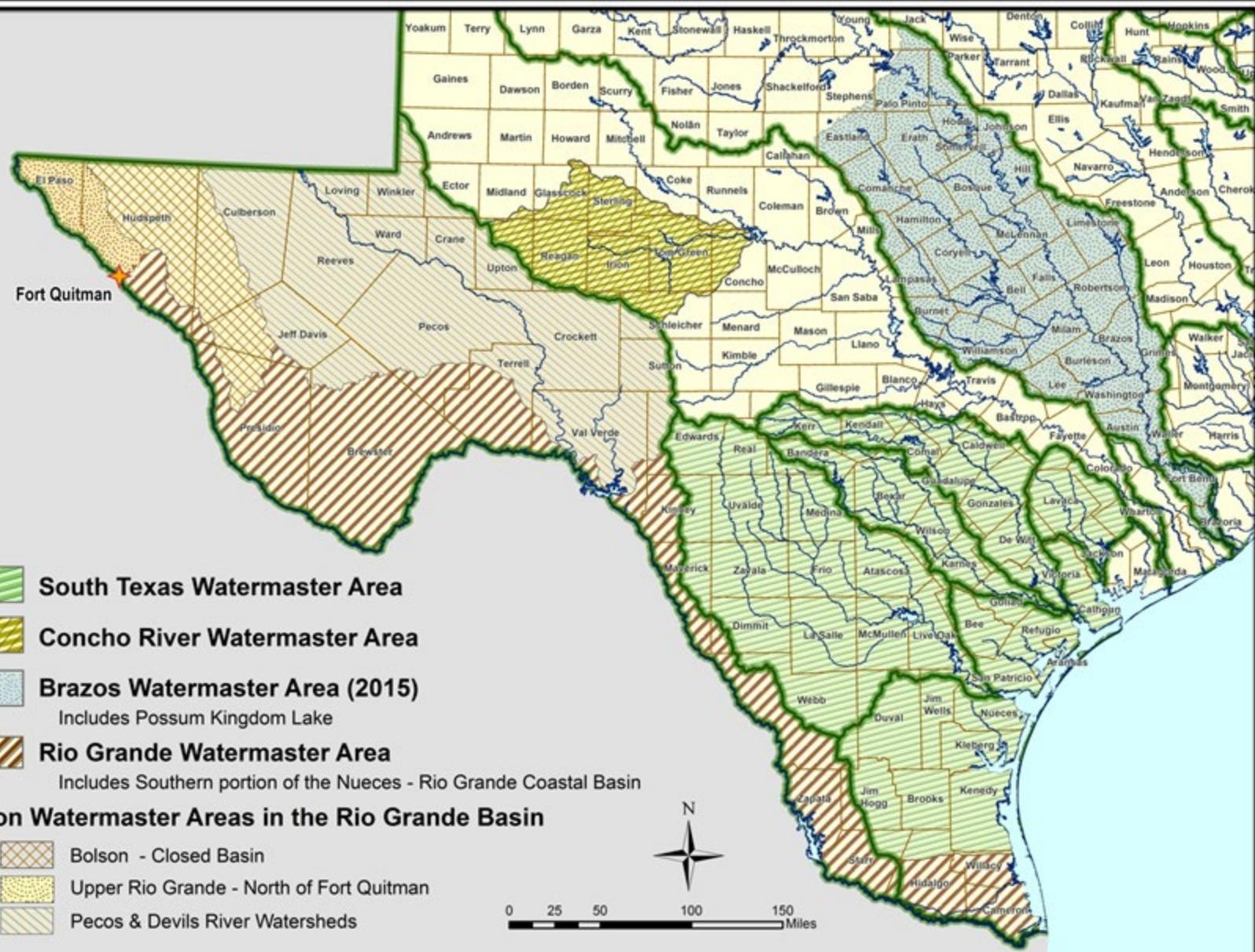
Overview of the functions of a watermaster deputy
and demonstration of field equipment used.

Brazos, Concho, South Texas, & Rio Grande Watermaster Sections
Water Availability Division
Office of Water
Texas Commission on Environmental Quality



Presented by: Henry Gray & Daniel Guerra





Texas Watermaster Area

Treaty, Statutes, and Rules

1944 Water Treaty Between Mexico and the United States

- Enforced by IBWC for the United States (Rio Grande WM)

Texas Water Code Chapter 11

- Texas statutes addressing water rights

Texas Administrative Code

- TCEQ rules addressing water rights and the Watermaster Programs - Chapters 295, 297, 303, and 304

Field Work & Managing Water Diversions



Ensure diverters have authorization to pump State water

- Diverters must request water prior to pumping
- 30 TAC §303.11(b) – Rio Grande WM
- 30 TAC §304.15 – other WM programs



Ensure diverters have a working measuring device on-line during operation. A meter must be inspected and verified by the watermaster program before it may be used to divert water.

- 30 TAC §303.11(e) – Rio Grande WM
- 30 TAC §304.13 – other WM programs

Field Work & Managing Water Diversions Continued



Ensure diverters are within their diversion certification

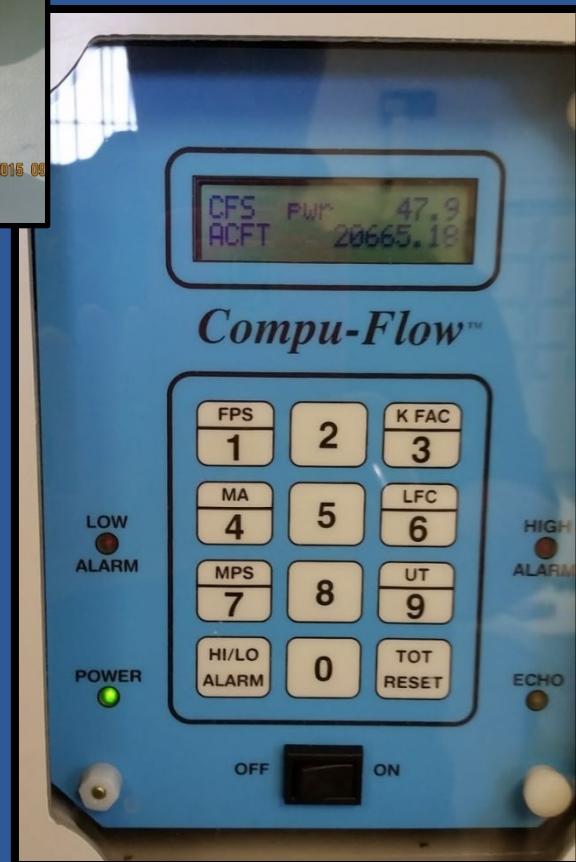
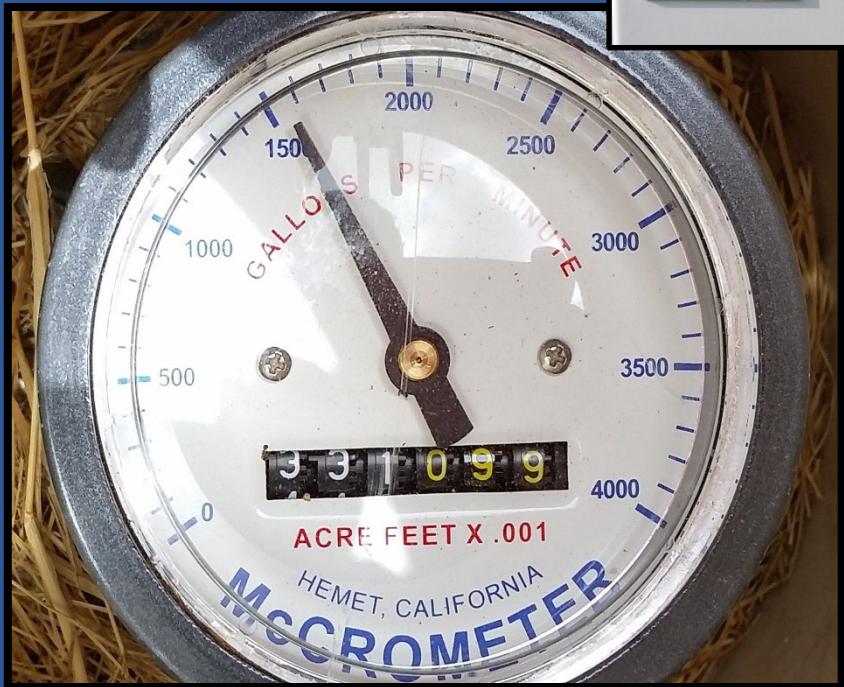


Ensure diverters have an accessible pumpsite that can be checked conveniently and safely

Pump Sites



Metering Devices



Field Work cont'd...



Provide technical
assistance to water users



Observations of river
conditions

Enforce Compliance

- Ensure water right holders and users comply with terms of their permits and/or permit exemptions
- Address non-permitted diversions and/or non-permitted impoundments
 - Issue Notices of Violation
 - In some cases, Notices of Enforcement -OR-
 - If applicable, issue a Field Citation
- Respond to complaints

Examples of Violations



Monitor Streamflow with USGS Gages



Setting Streamflow Markers



How to Video-Ott MF Pro Hach FH950

<https://tceq.sharepoint.com/:v/r/sites/SouthTexasWatermaster/Training/MF%20Pro%20Video.MOV?csf=1&web=1&e=HwEJpm>



How to use a Doppler in the Field

<https://tceq.sharepoint.com/:v/r/sites/SouthTexasWatermaster/Training/Doppler%20Instructional%20Video.mp4?csf=1&web=1&e=zIFnod>



Watermaster Offices

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Texas Commission on Environmental Quality



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