



HOUSTON HEALTH DEPARTMENT

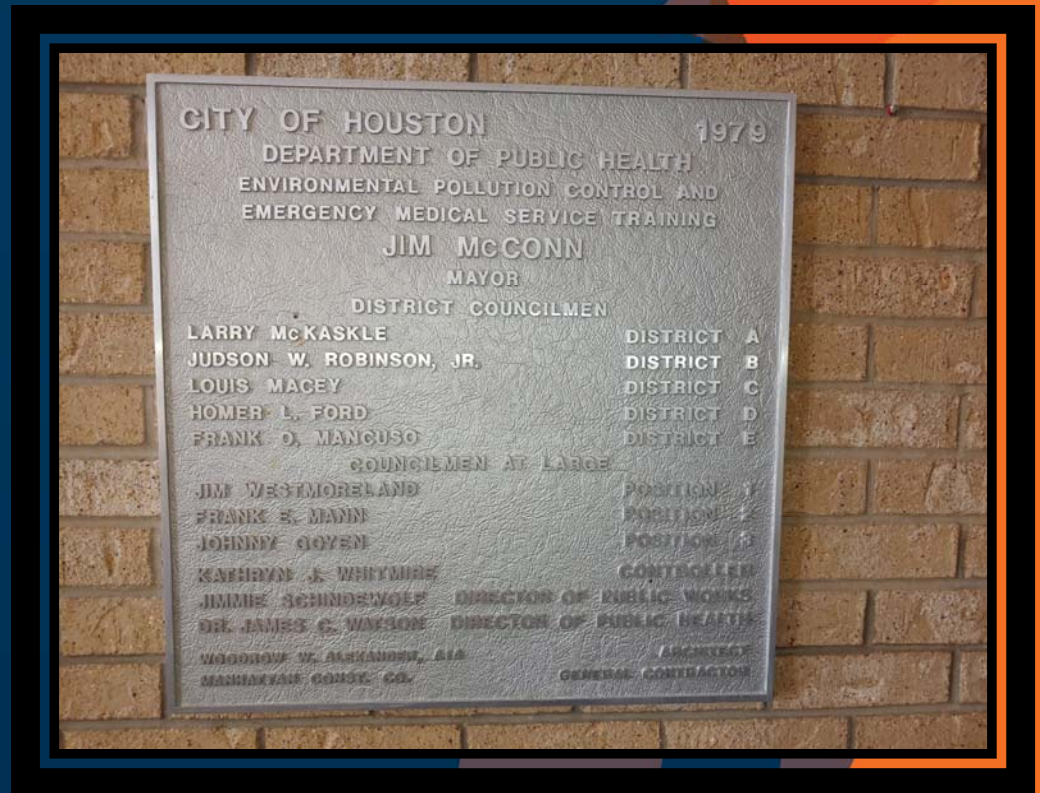
HOUSTONHEALTH.ORG



Houston Health Department Environmental Health Division Bureau of Pollution Control & Prevention (BPCP)

Houston Health Department
Environmental Health Division
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www.houstontx.gov/health/Environmental/bpcp



Bureau of Pollution Control and Prevention

Our mission is *to protect public health by improving the quality of ambient air, water, and land in Houston.*

Our goals:

- Reduce environmental pollution
- Protect Public Health
- Positively impact Houston's environment

BPCP's Programs



Houston Air Pollution Sources

Area Sources





Complaint
Response
Team

Complaint Response Team

Services 700 – 1000 air, water, waste complaints

- **Site Investigations and Surveys**
- **Determine the source and root cause of issues.**
- **Conduct enforcement when needed**
- **Monitoring and Data Analysis**



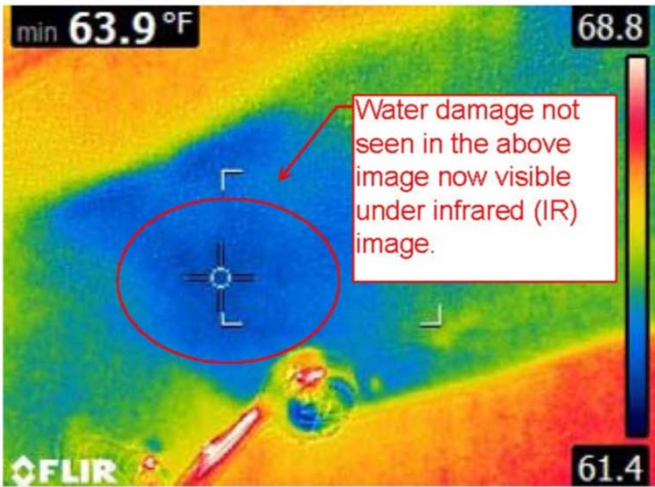
Investigators also engage in special projects to identify and reduce pollution within the City.

Indoor Air Quality equipment used to detect moisture

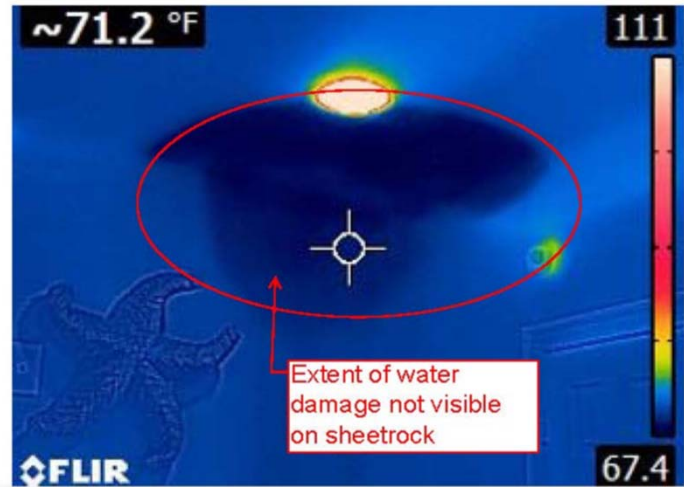
Moisture Meter

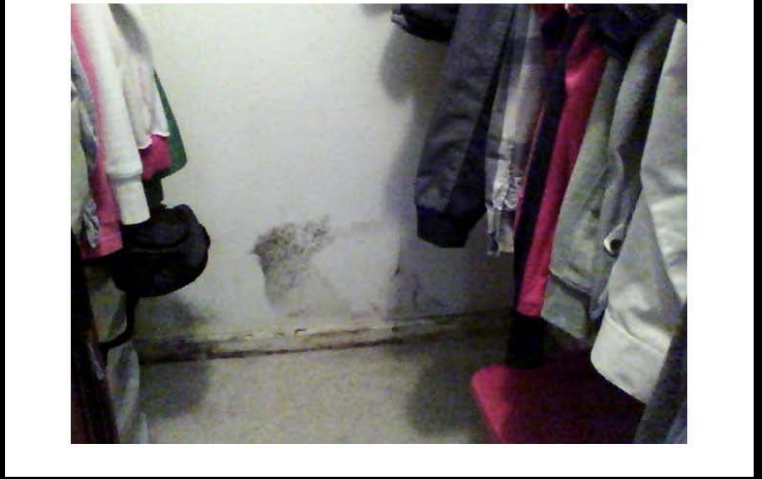
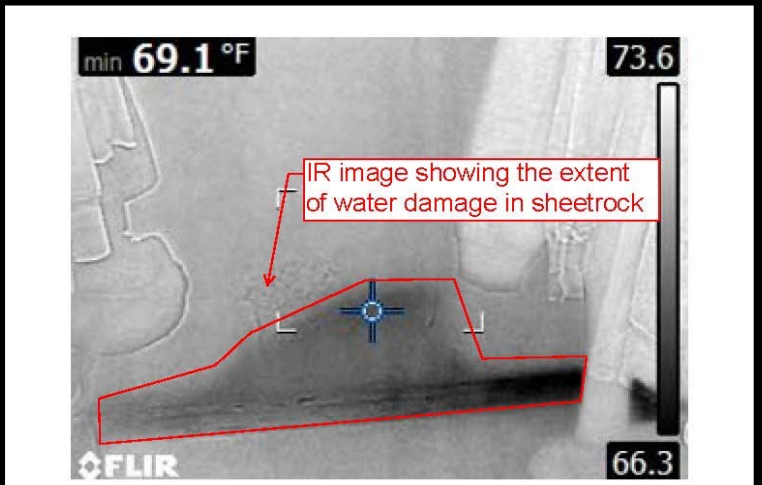


FLIR IR Camera

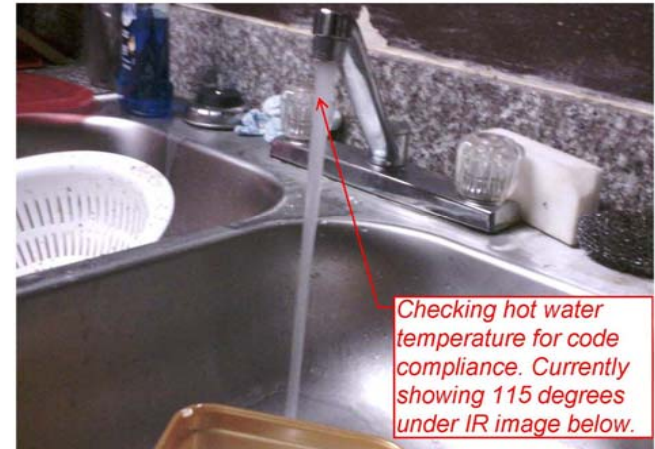


Examples of how the FLIR Camera detects moisture

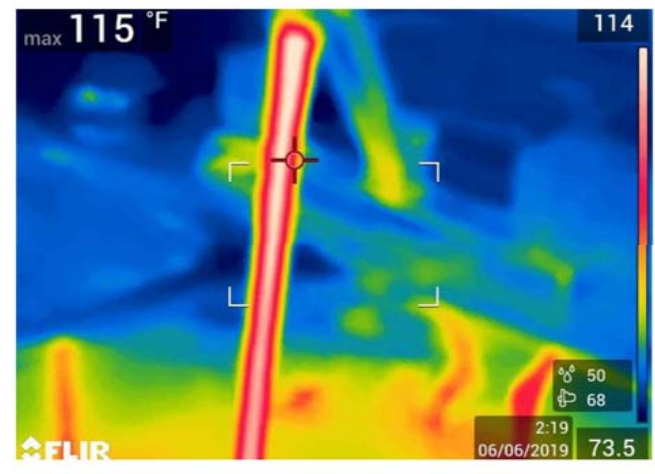


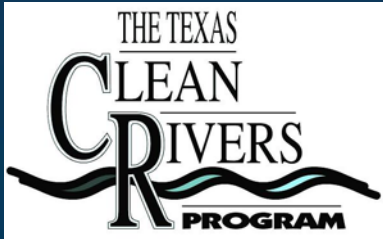


More examples of how the FLIR Camera detects moisture



Checking hot water temperature for code compliance. Currently showing 115 degrees under IR image below.





Clean Rivers Program Overview

A partnership between the state and local agencies to assess water quality in local bayous, creeks, and streams



Surface Water Monitoring and Investigations

Clean
Rivers
Program

Complaint
Response

Special
Studies

Referrals
from
Outside
Agencies



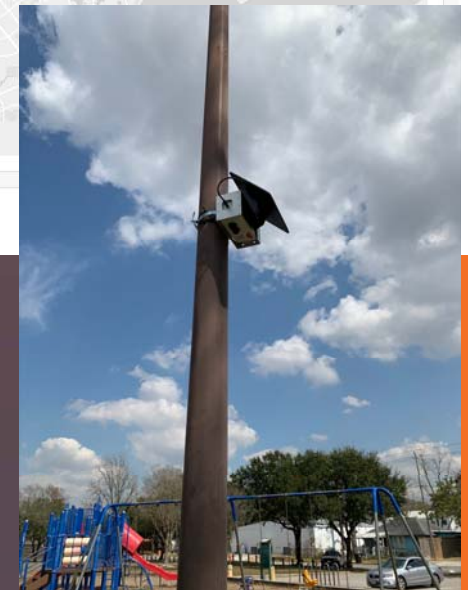
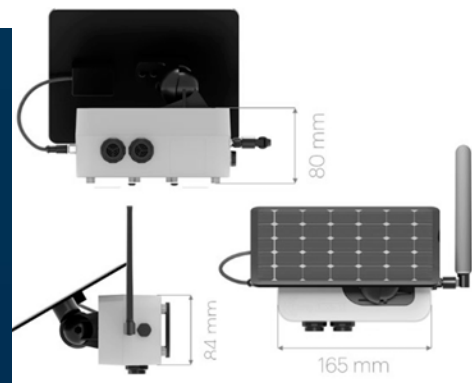
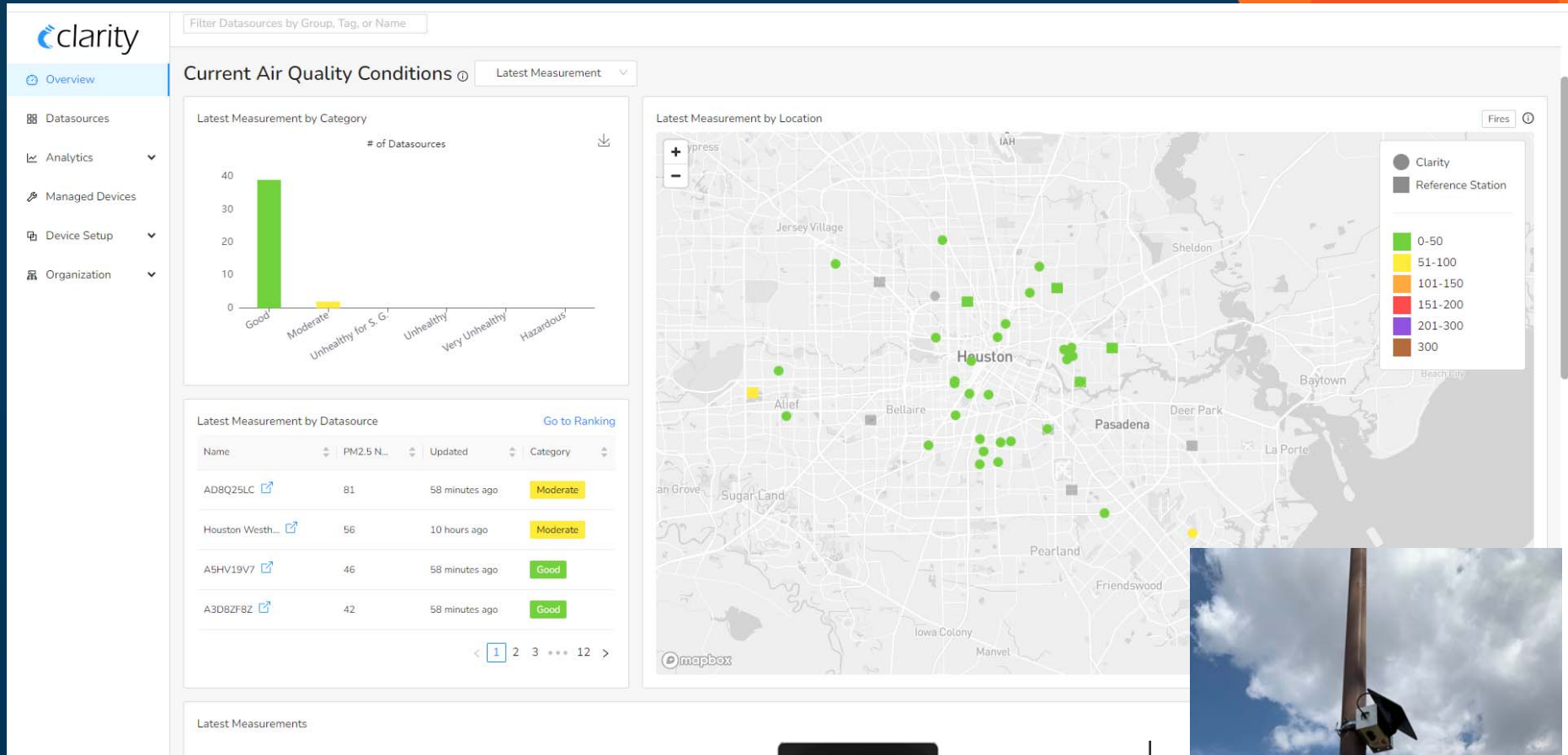
Water Quality Parameters

Field	Lab
Flow Severity	pH
Tidal Stage	Conductivity
Color	Total Suspended Solids
Odor	Nitrate-N
Water Surface	Chloride
Weather Conditions	Sulfate
Wind Intensity	Ammonia-N
Turbidity	Phosphorus-P, total
Total Depth	E. Coli
Temperature	Enterococcus
Specific Conductivity	
Dissolved Oxygen	
pH	
Salinity (in tidal streams)	

Special Initiatives/ Engineering Functions

- Permit review and comments
- Conduct industrial site visits to help trace the source and root cause of pollutants that have public and community impact
- Review Continuous Ambient Monitoring Stations (CAMS) data and surveillance results
- Manage special air monitoring projects.

Community Air Monitoring Network



Mobile Ambient Air Monitoring Laboratory (MAAML)



BioWatch



HOUSTON HEALTH
DEPARTMENT



Homeland Security

BioWatch: A Brief Overview

- **Mission Statement:** To operate a nationwide, aerosol detection system providing early warning across all levels of government to support public health and emergency management communities to prepare for and respond to biological incidents.



Criteria Pollutants Monitoring Team

Criteria Pollutants Team

- Collects quality data that determine NAAQS compliance for O₃, PM, CO, SO₂, NO₂, Pb and PM
- Ambient (OUTDOOR) air monitoring at 8 fixed sites
- Performs the monitoring according to Sections 103 and 105 of the Clean Air Act, funded thru EPA and TCEQ grants



Contact Information



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**REPORTS?...CALL
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