

**Woodlands
Water**



Outcomes of the 86th Texas Legislature

- **SB 7 (Sen. Creighton): Created the Flood Infrastructure Fund (FIF) and the Texas Infrastructure Resiliency Fund (TIRF)**
- **SB 8 (Sen. Perry): Created a new state and regional flood planning process**
- **Texas Water Development Board will administer the funding and planning for this program**

SB 7 and SB 8

Implementation Process Timeline

- August 2019: Informal, pre-rulemaking request for feedback, stakeholder workshops, and webinar
- Fall 2019/Early 2020: Formal rulemaking activities, **including public comment period**
- Early 2020: Flood funding applications accepted
- Mid 2020: Regional flood planning groups are formed

Opportunities to Provide Input

- Workshops and webinars in August attended by MUD directors – including MUD 1 and MUD 46
- Written comments submitted August 30
- Next step – participate in formal rulemaking and public comments meetings this fall
- Objective to be a voting member of our regional flood planning group (categories; counties, water districts, river authorities, small business, cities, etc. – about 12 categories)

Our partnership with the Harris County Flood Control District

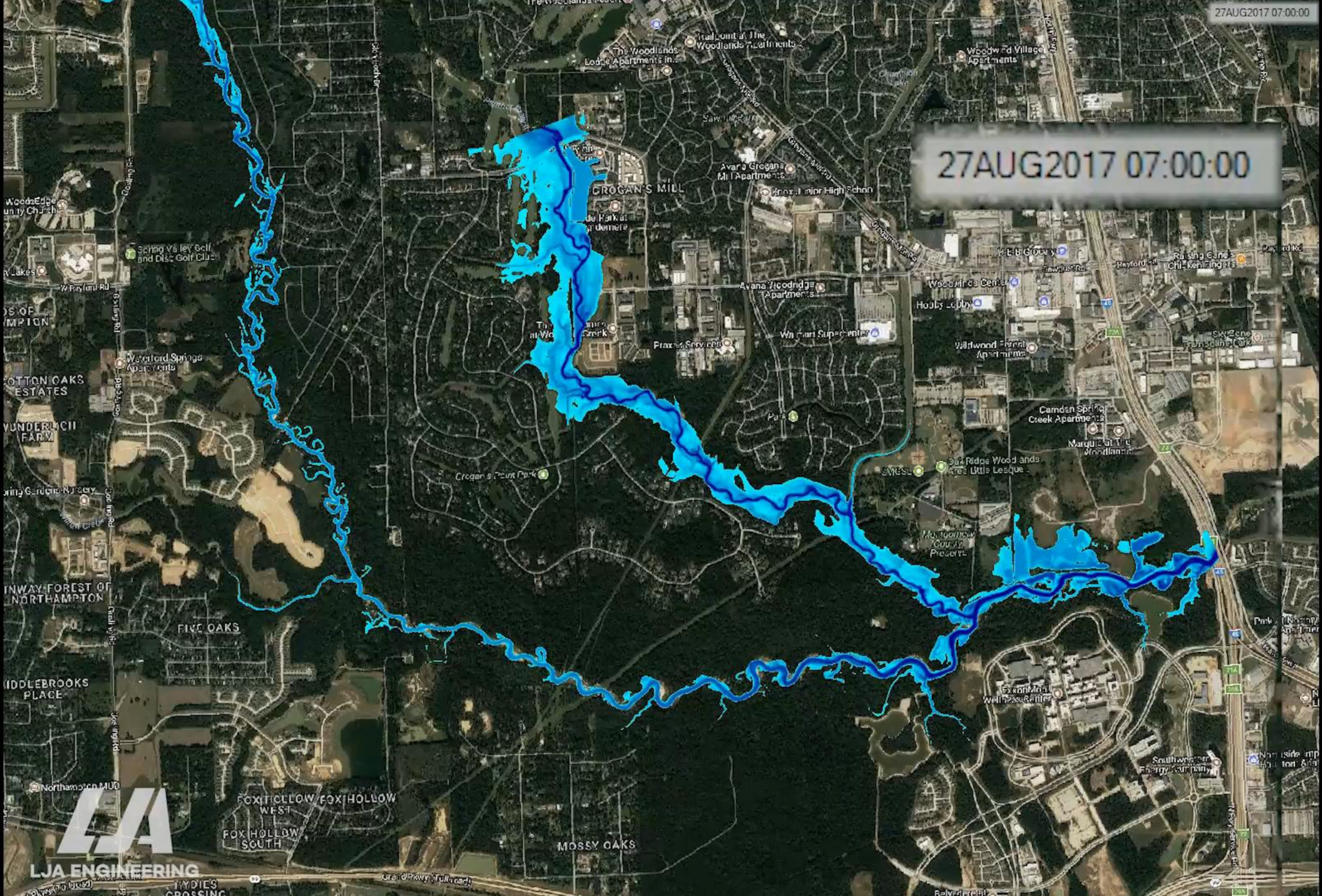
Exploring Drainage and flooding improvements

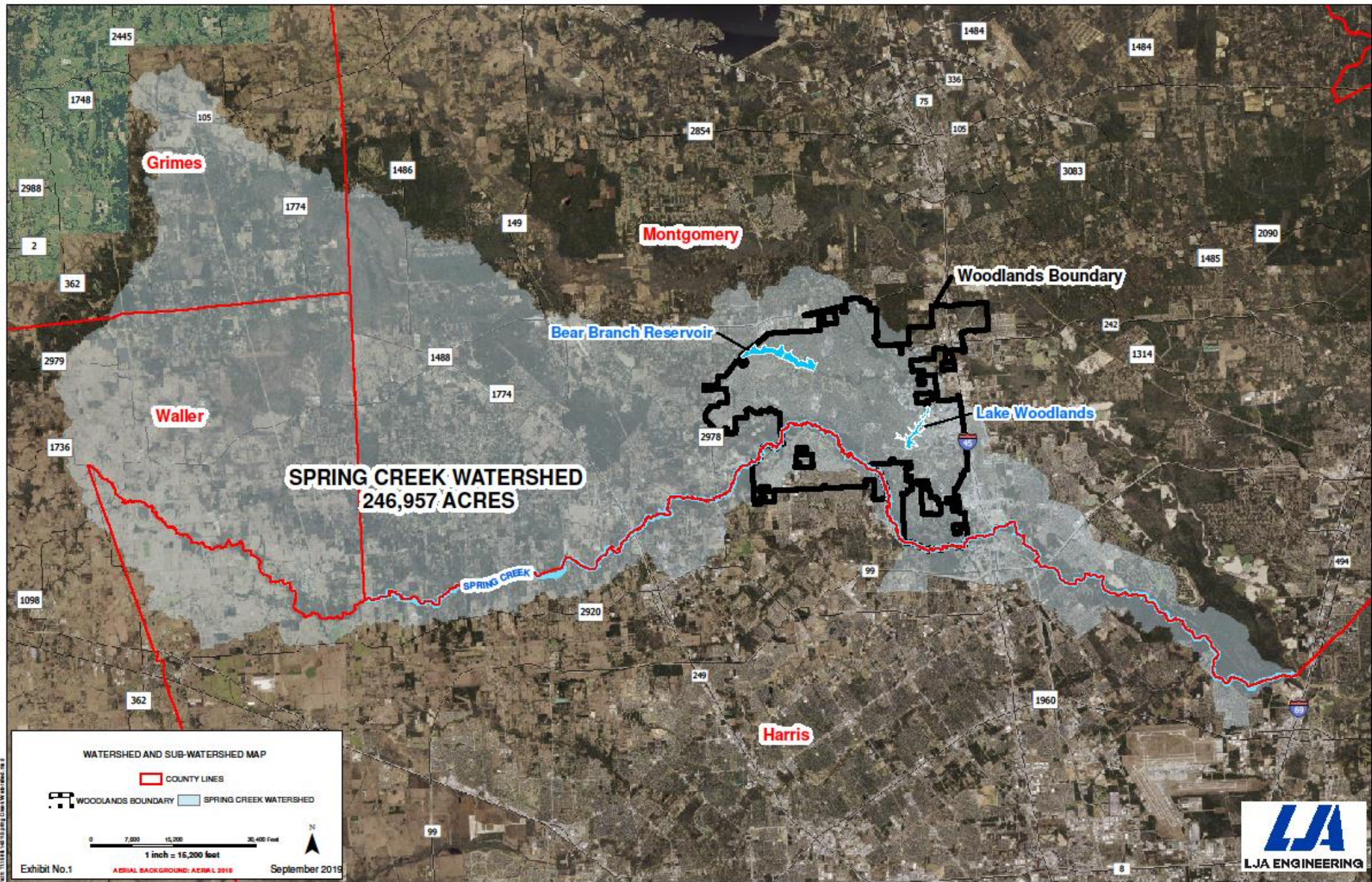


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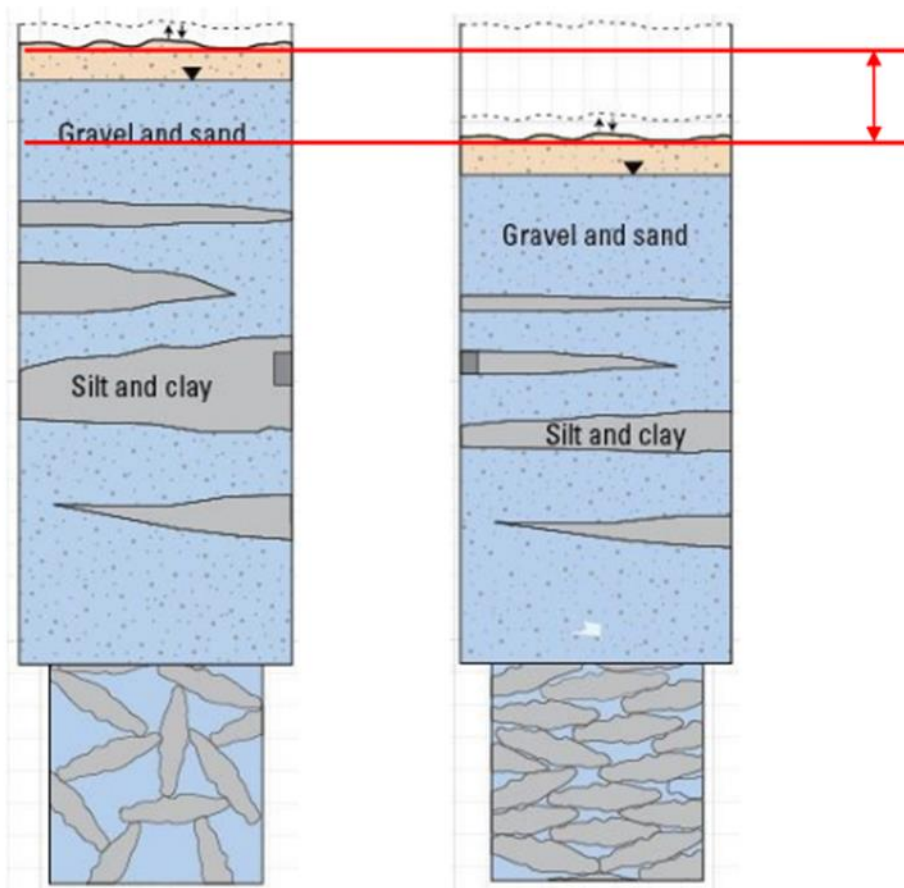
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Growing concern on
groundwater withdrawal

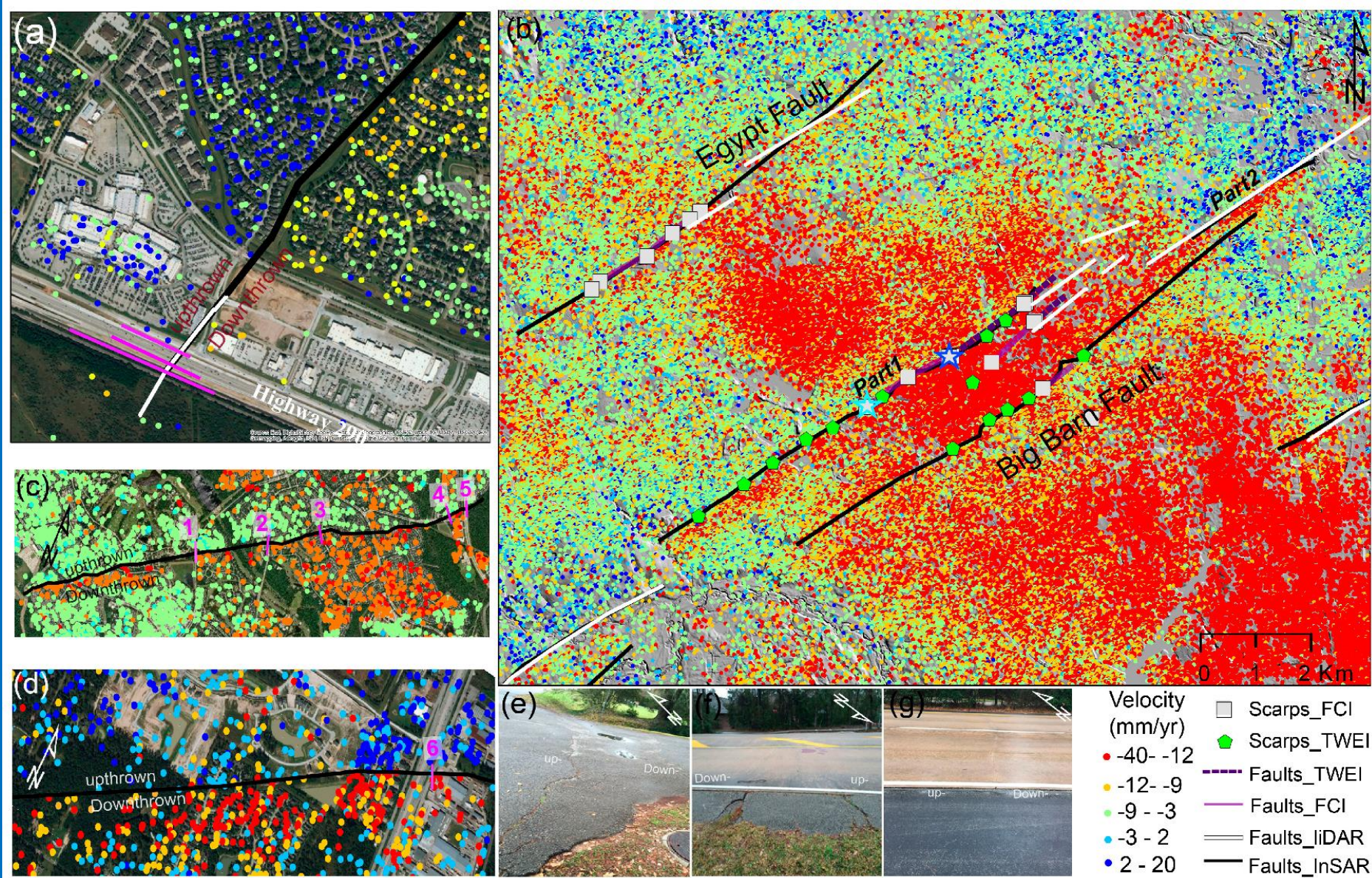
Mechanism of Subsidence

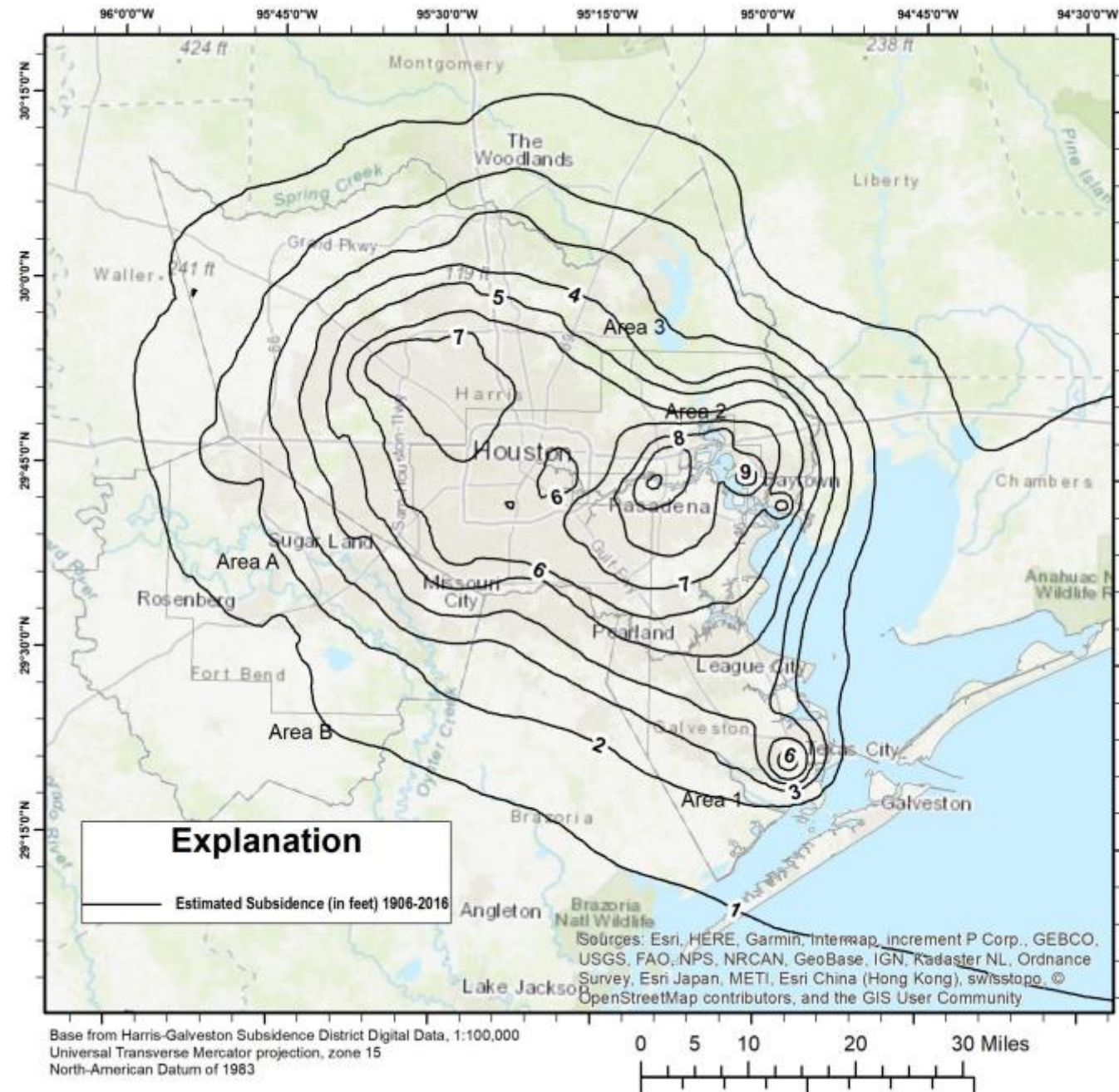


- Withdrawal reduces inter-granular pore fluid pressure
- Supporting matrix collapses and grains re-align
- Reduction in initial volume
- Volume loss becomes significant and lowers land elevation

From SMU Report Titled :
Identify and Monitor
Growth of Faulting Using
InSAR over Northern
Greater Houston Texas,
USA.

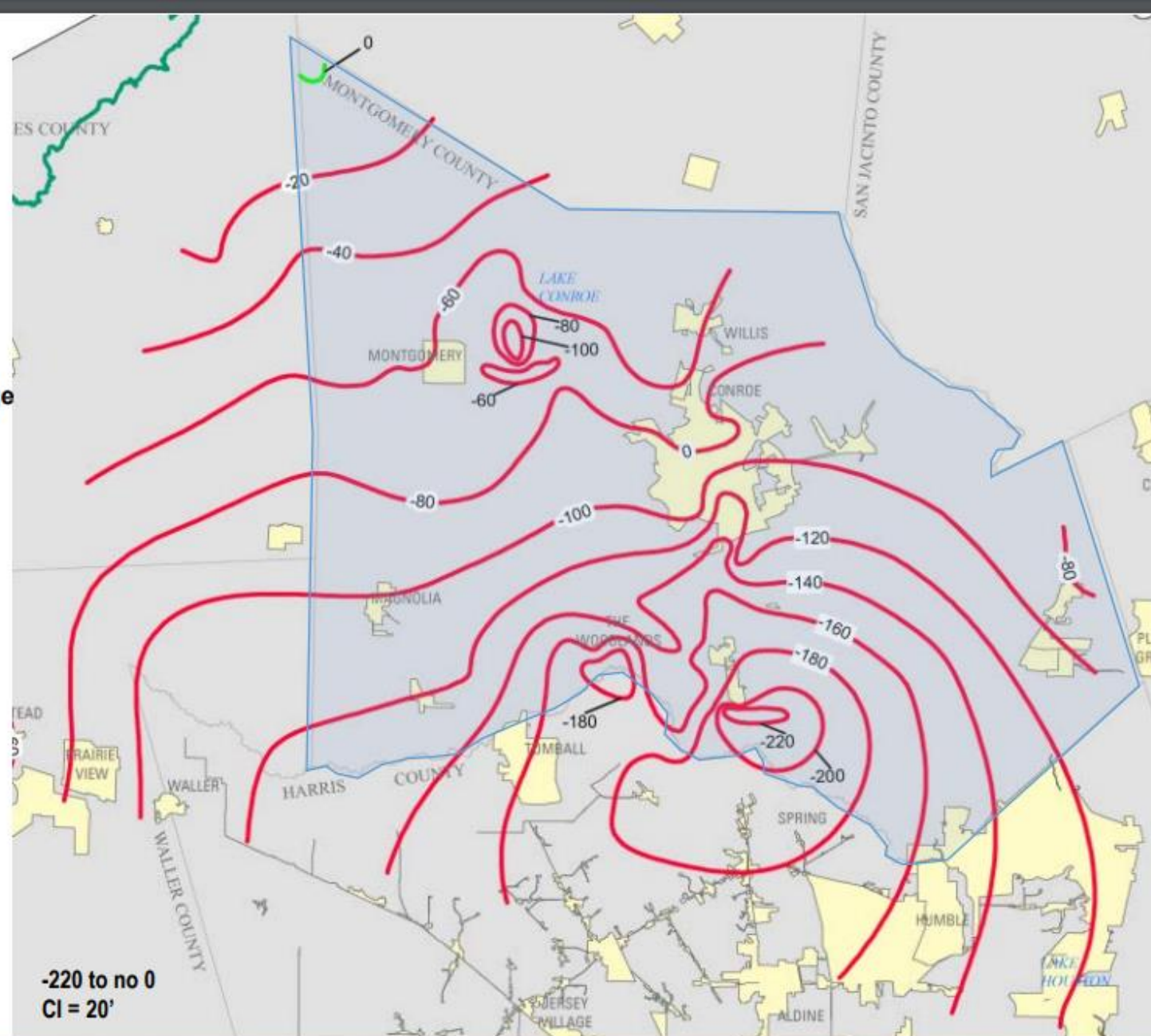
*“The newly discovered
fault activation appears to
be related to excessive
groundwater exploitation
from the Jasper aquifer in
Montgomery County.”*





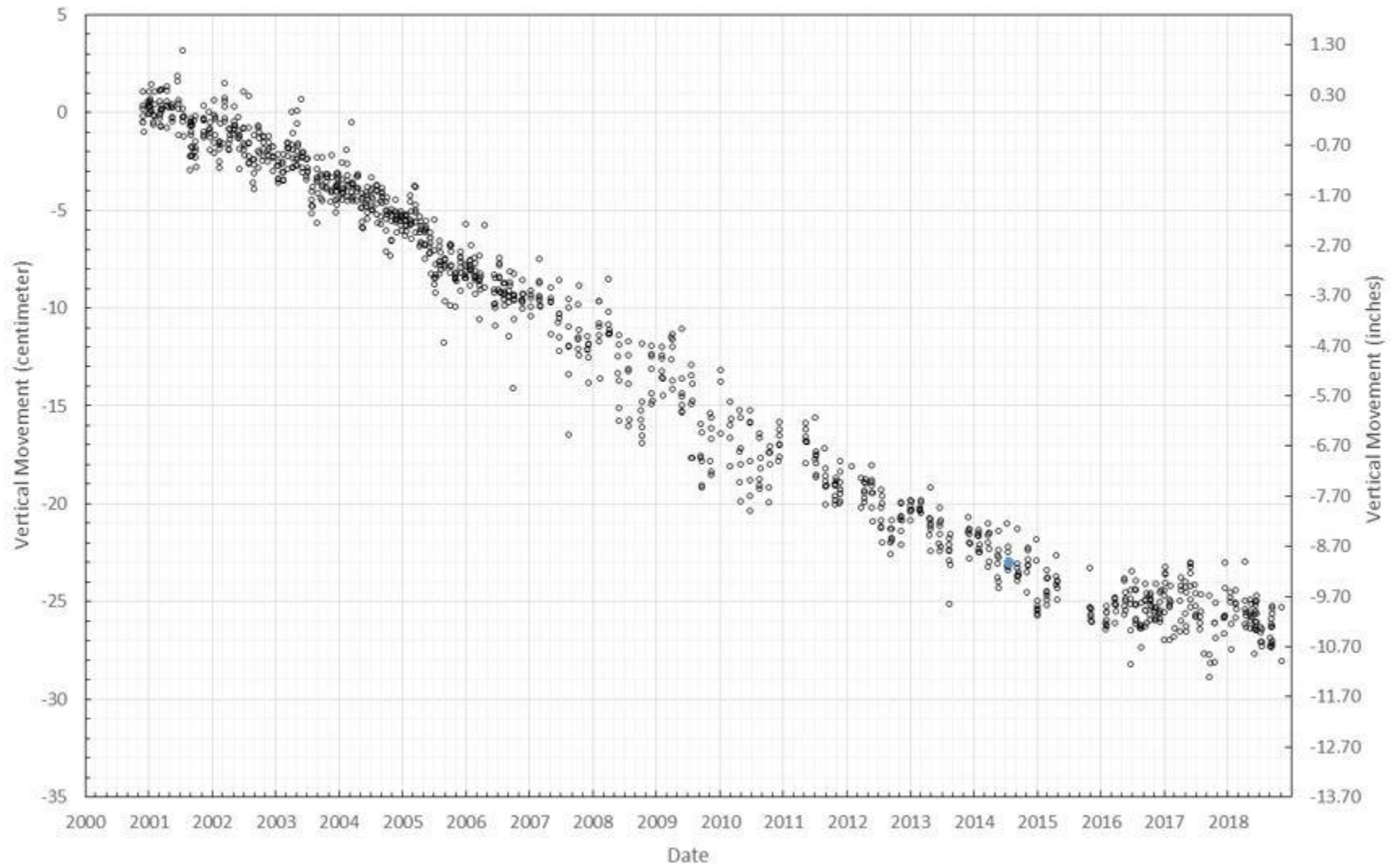
EXPLANATION

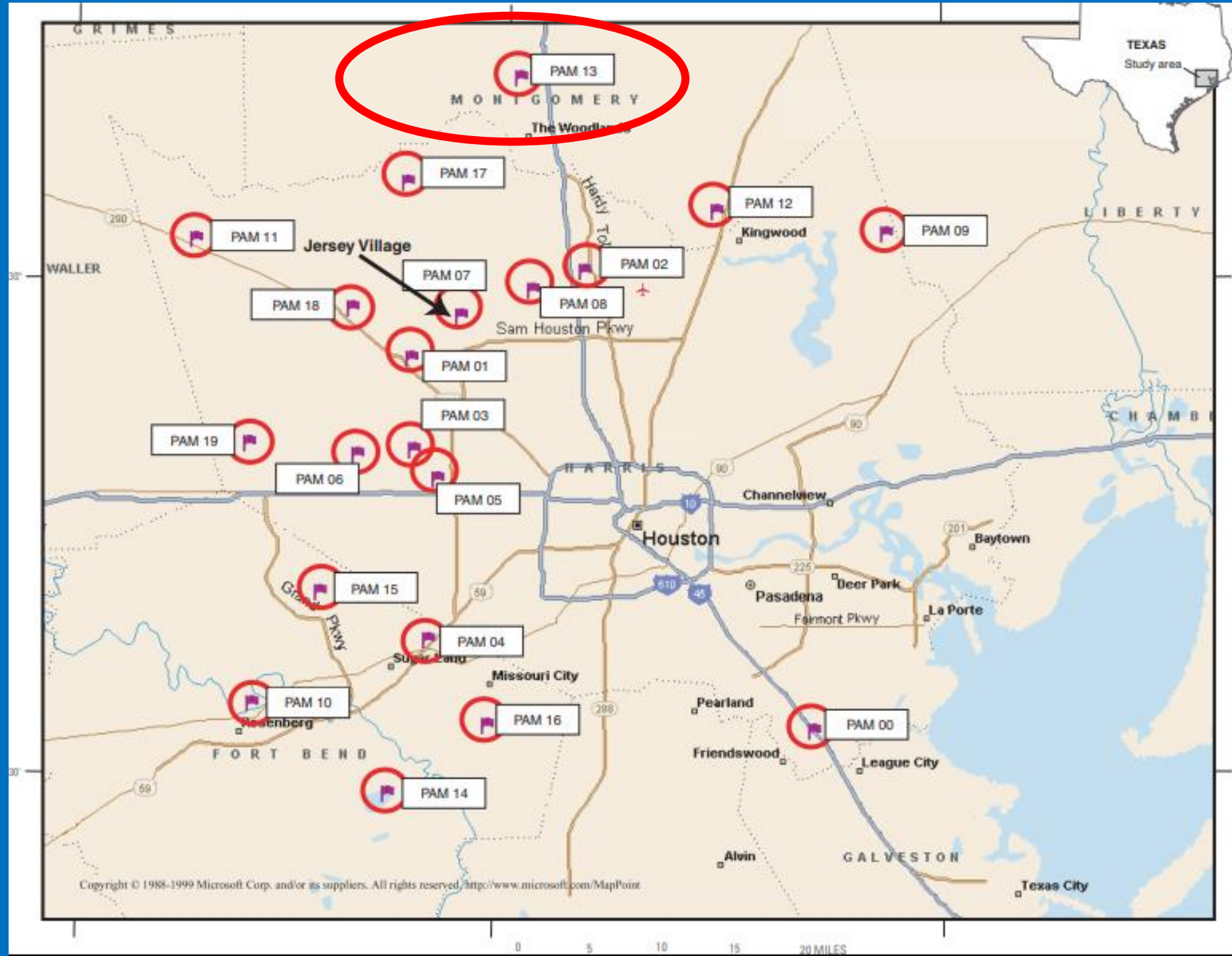
- Water-Level Decline
- No Water Level Change
- Water-Level Rise



PA13

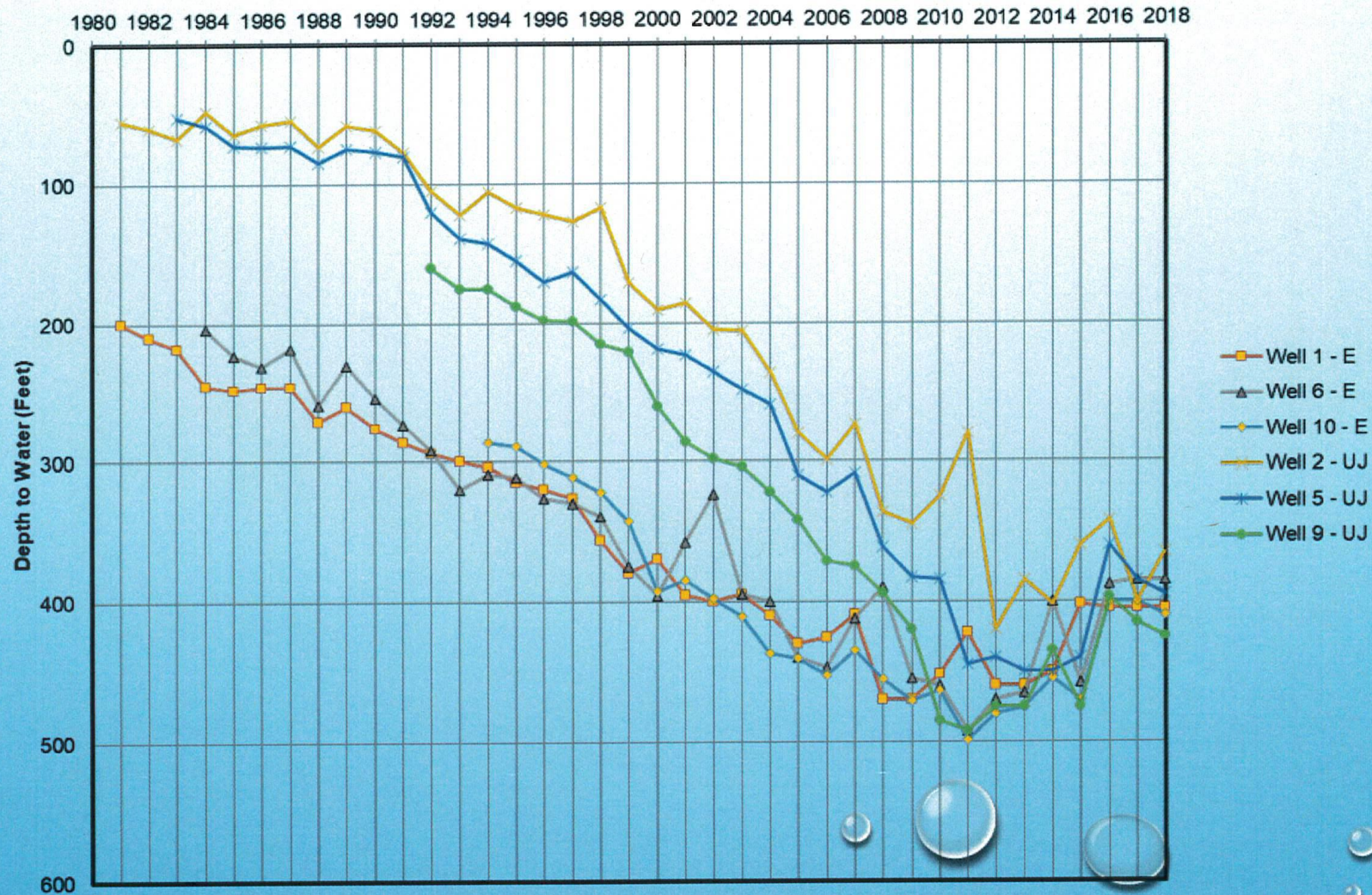
Vertical Movement - Period of Record - Horizontal Reference Frame 16





HISTORIC STATIC GROUNDWATER LEVELS

SJRA - The Woodlands Static Groundwater Well Levels (1980 - 2018)



Questions?