

Southeast Geysers Effluent Pipeline Delivery

Figure 2

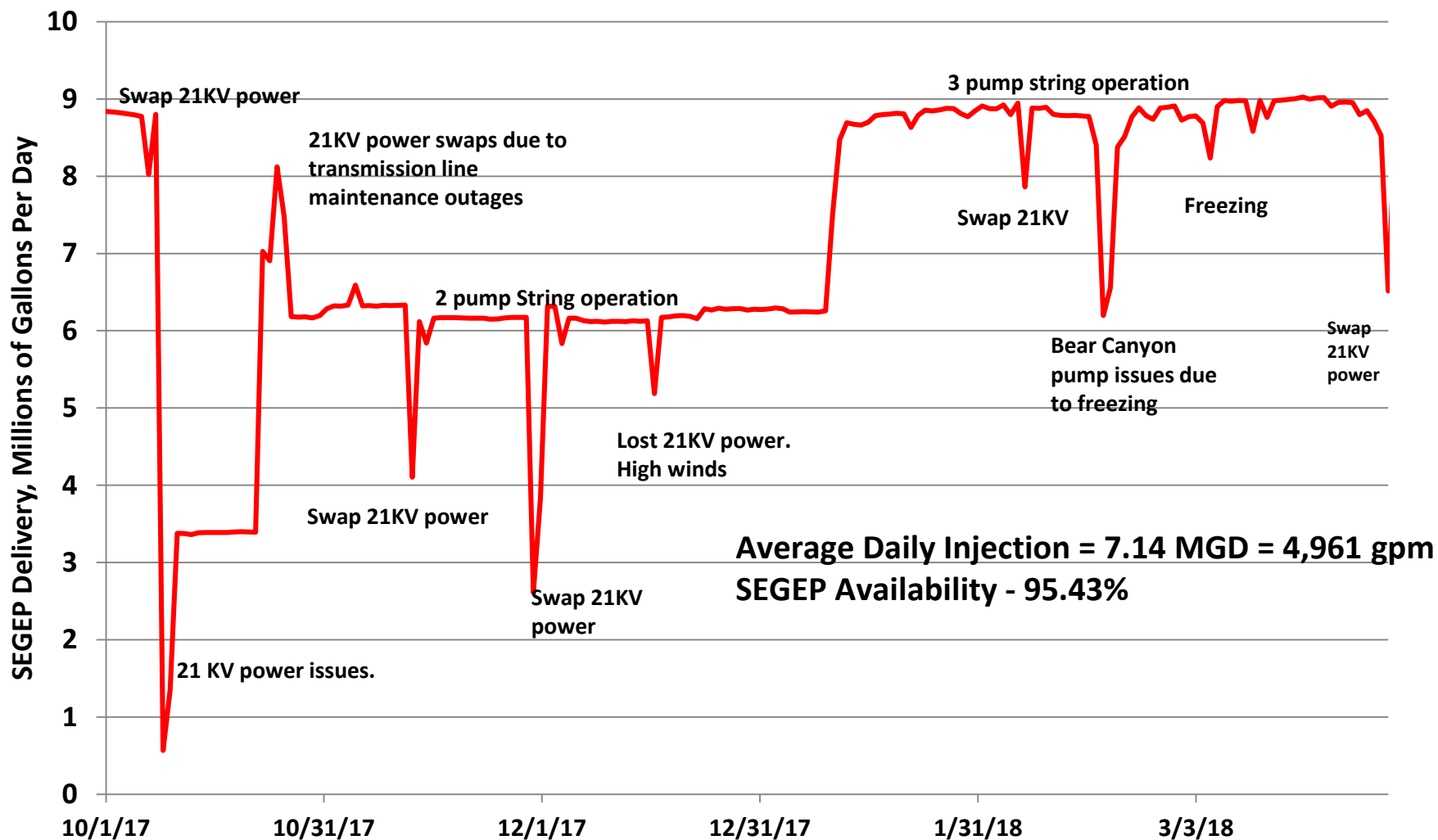
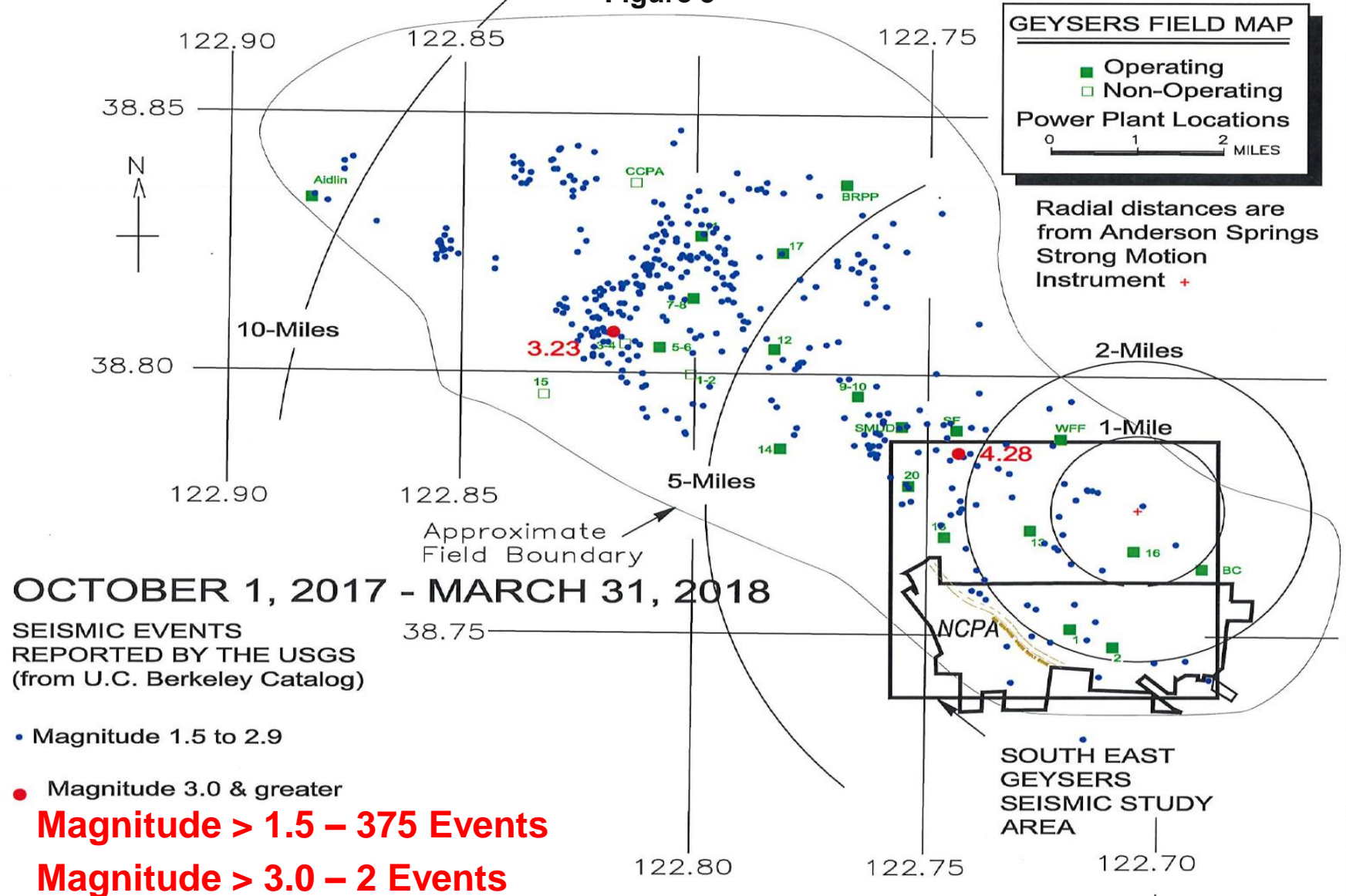
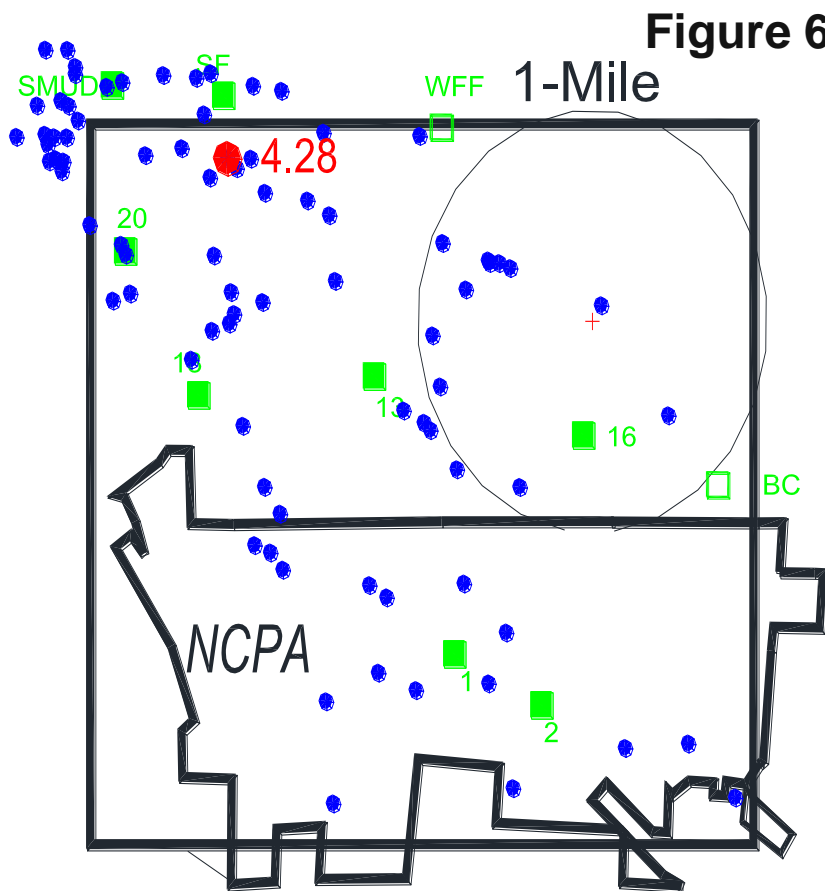


Figure 5





- Magnitude 1.5 to 2.9
- Magnitude 3.0 & greater

- Operating
- Non-Operating

Power Plant Locations

Radial distances are from Anderson Springs Strong Motion Instrument +

Oct. 31, 2017 – Mar. 31, 2018

Magnitude > 1.5 – 63 Events

Magnitude > 3.0 – 1 Event

SEISMIC EVENTS
REPORTED BY THE USGS
(from U.C. Berkeley Catalog)

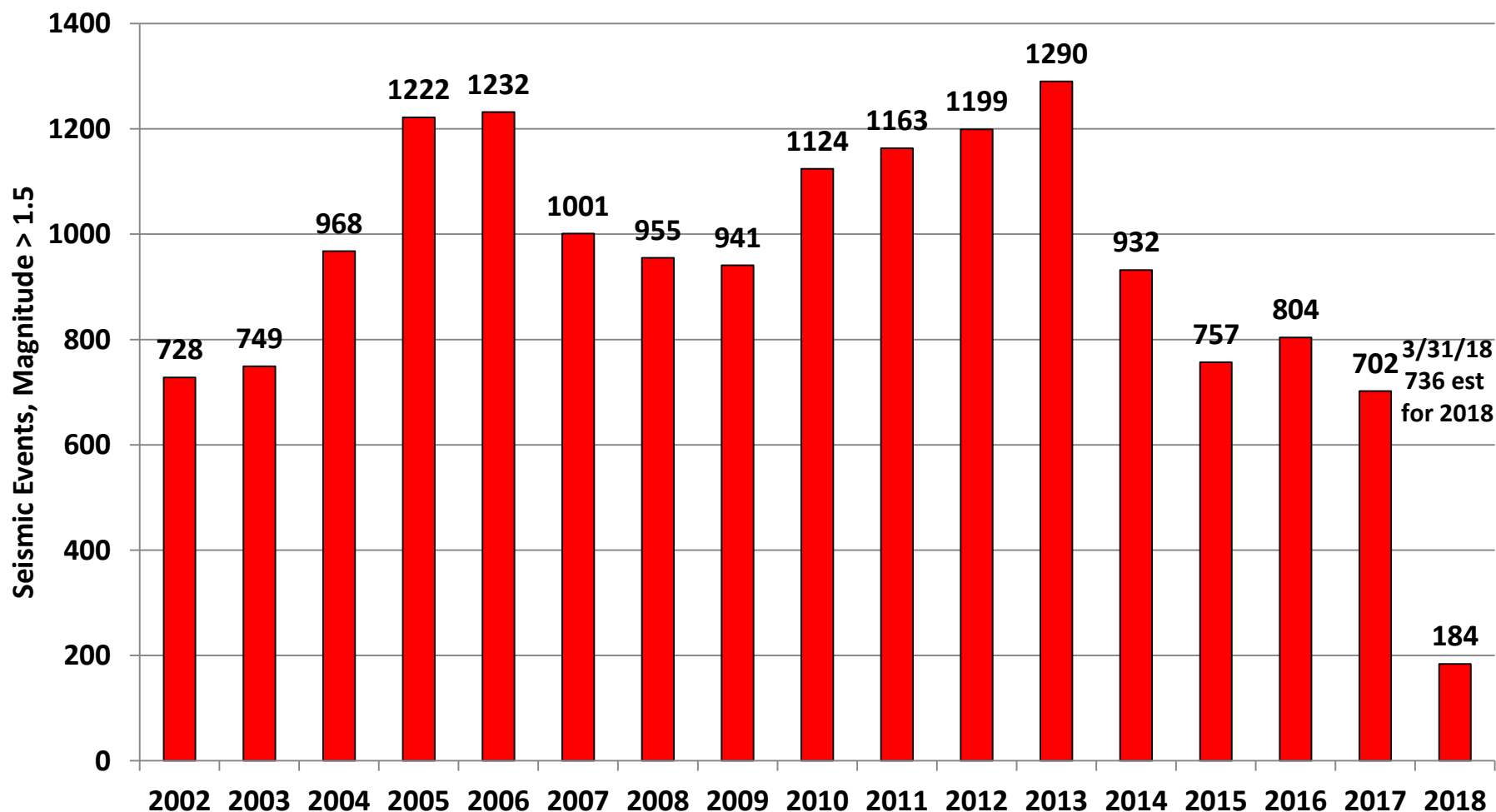
SOUTH EAST
GEYSERS
SEISMIC STUDY
AREA

The Geysers (KGRA) - Historical Seismic Activity

Magnitude > 1.5

Years 2002 - 3/31/2018

Figure 7

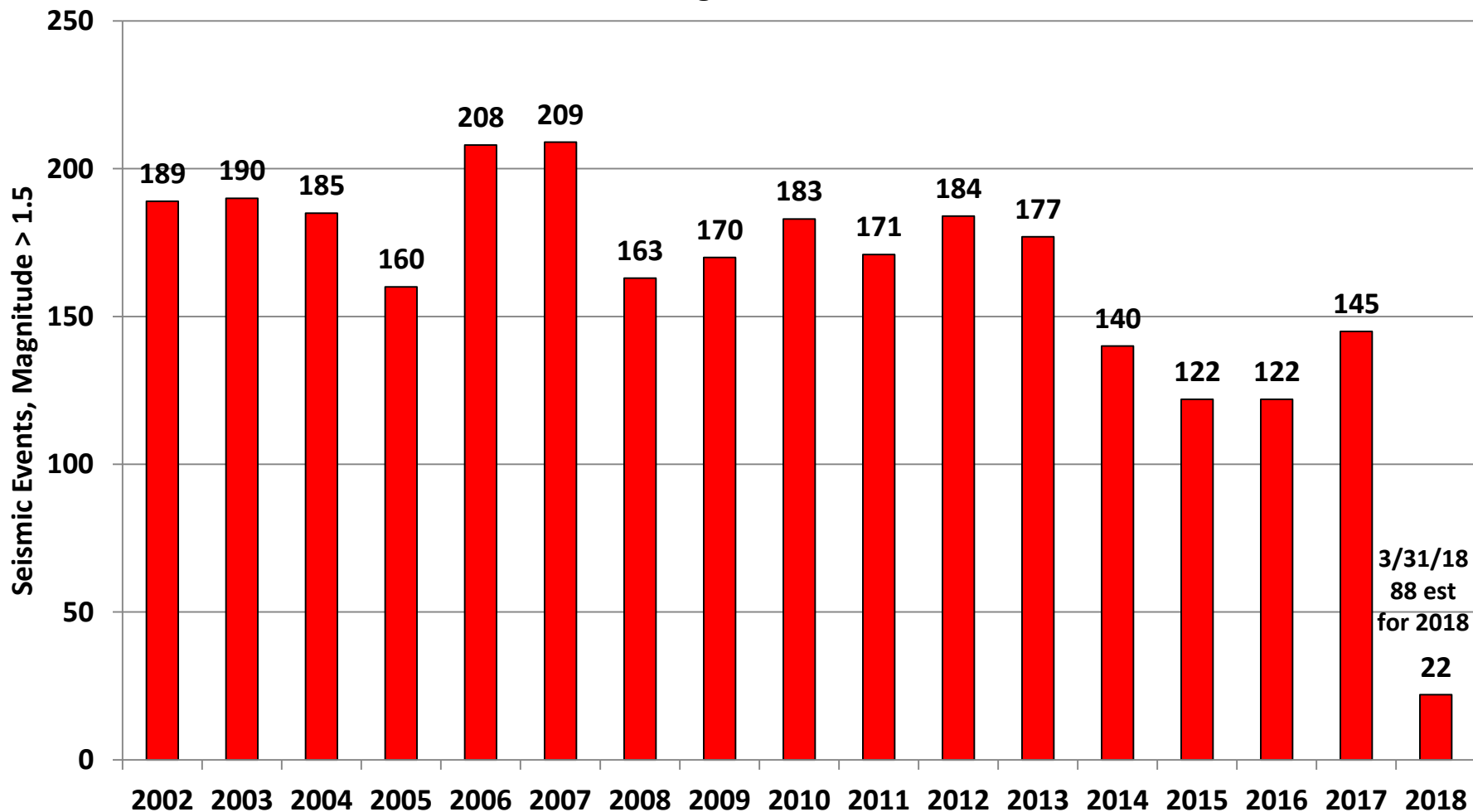


Southeast Geysers - Historical Seismic Activity

Magnitude > 1.5

Years 2002 - 3/31/2018

Figure 8



Summary

- **Average SEGEP injection = 7.14 MGD (4,961 gpm)**
- **SEGEF Availability – 95%**
 - **Multiple planned and equipment related outages**
- **SE Geysers - 6 Month Seismic activity**
 - **Magnitude > 1.5 - 63 events (64 events in previous 6 months)**
 - **Magnitude > 3.0 - 1 event**
 - **Largest event - 4.28 magnitude in the north west corner of the SEGEP area.**
- **2018 Seismic Activity – Magnitude > 1.5**
 - **KGRA – 184 Events**
 - **SE Geysers – 22 Events**