

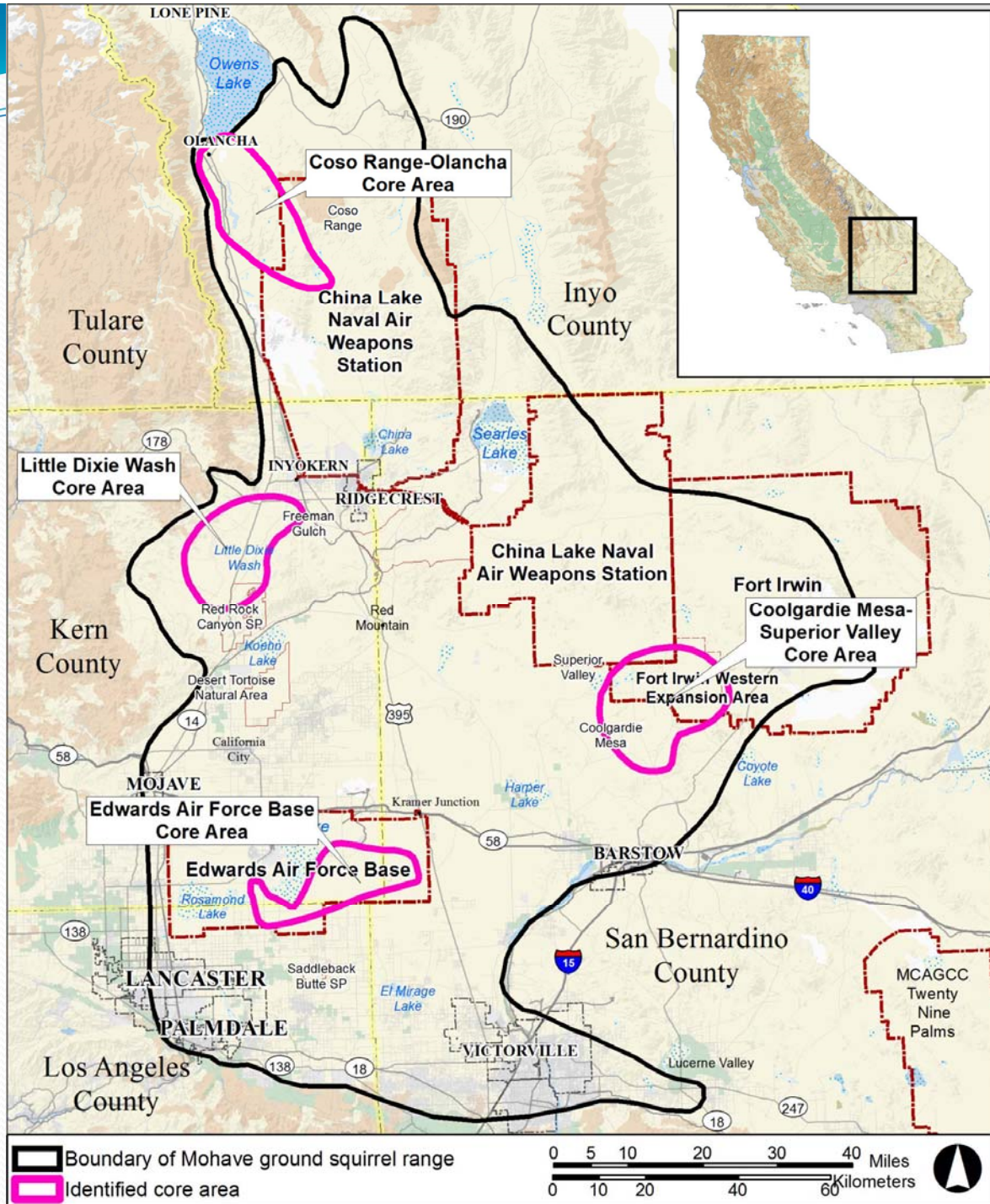
MGS Projects 2018

Leitner and friends



Quick Review of 2018

- Coso Long-term Monitoring
- BLM Grant – 2 Core Areas
- BLM Grant – MGS/RTGS Contact Zone
- BLM Grant – 3 Development Focus Areas





Coso Long-Term Monitoring

- March 2018 – good results at both Coso Basin and Cactus Peak
- Good rainfall 2017-18 winter
- Reproduction throughout Coso Range-Olancha core area in 2018

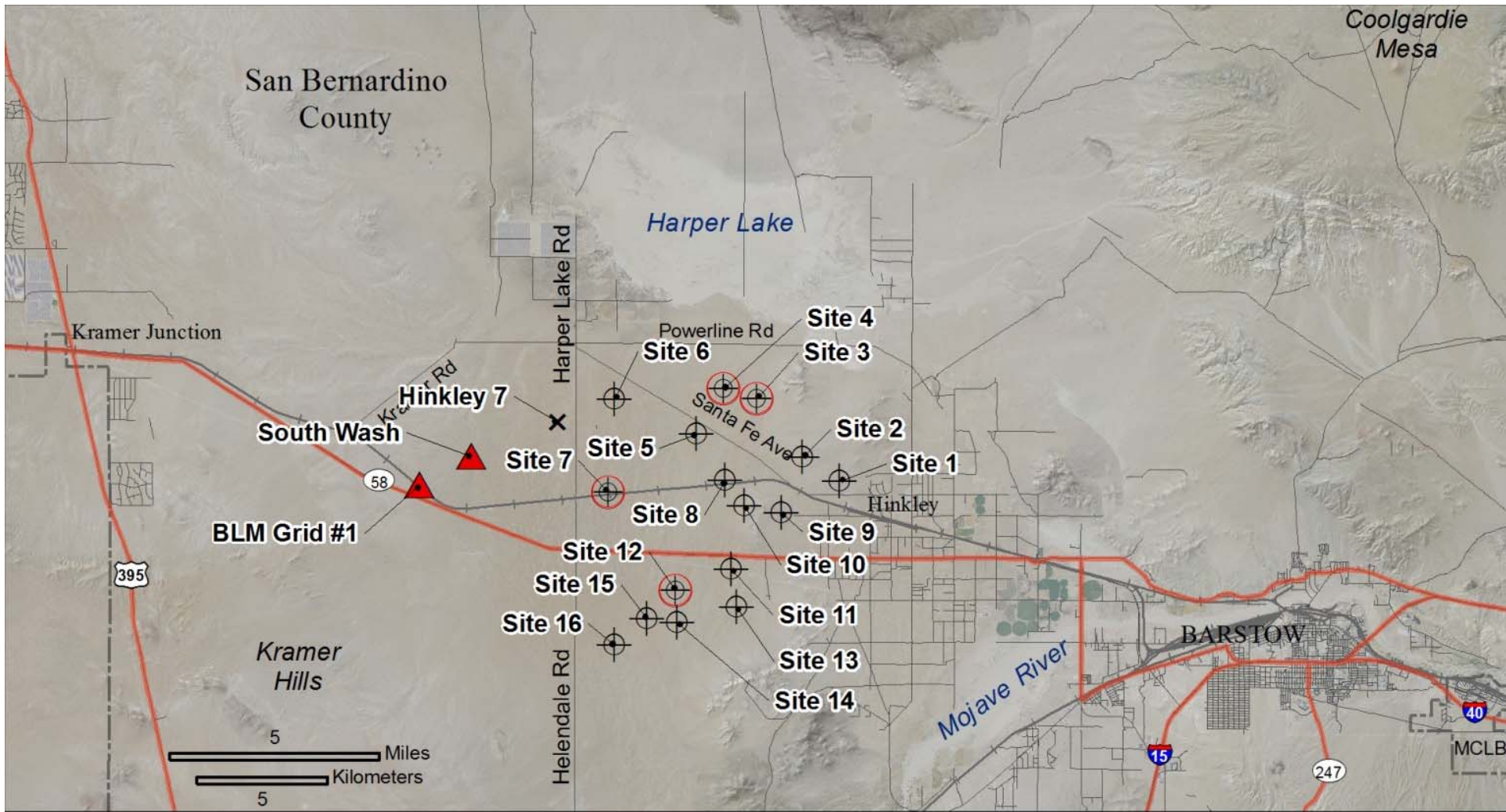


BLM Grant – 2 Core Areas

- Trapped 4 grids in Little Dixie Wash, with MGS at 2 sites
- Best results here since surveys started in 2016
- Trapped 3 grids in Coolgardie Mesa, with MGS at 1 site
- Again, best results since surveys started in 2016
- Reason: 2016-17 winter rain was high throughout MGS range, with 2017 reproduction and good survival in both core areas

BLM Grant – MGS/RTGS Contact Zone

- Camera study showed MGS moving to the E of Harper Lake Road
- Live trapping confirmed MGS persisting to the W of Harper Lake Road
- But winter rainfall was very low (~30 mm) and no reproduction – first time in contact zone in past 5 yrs



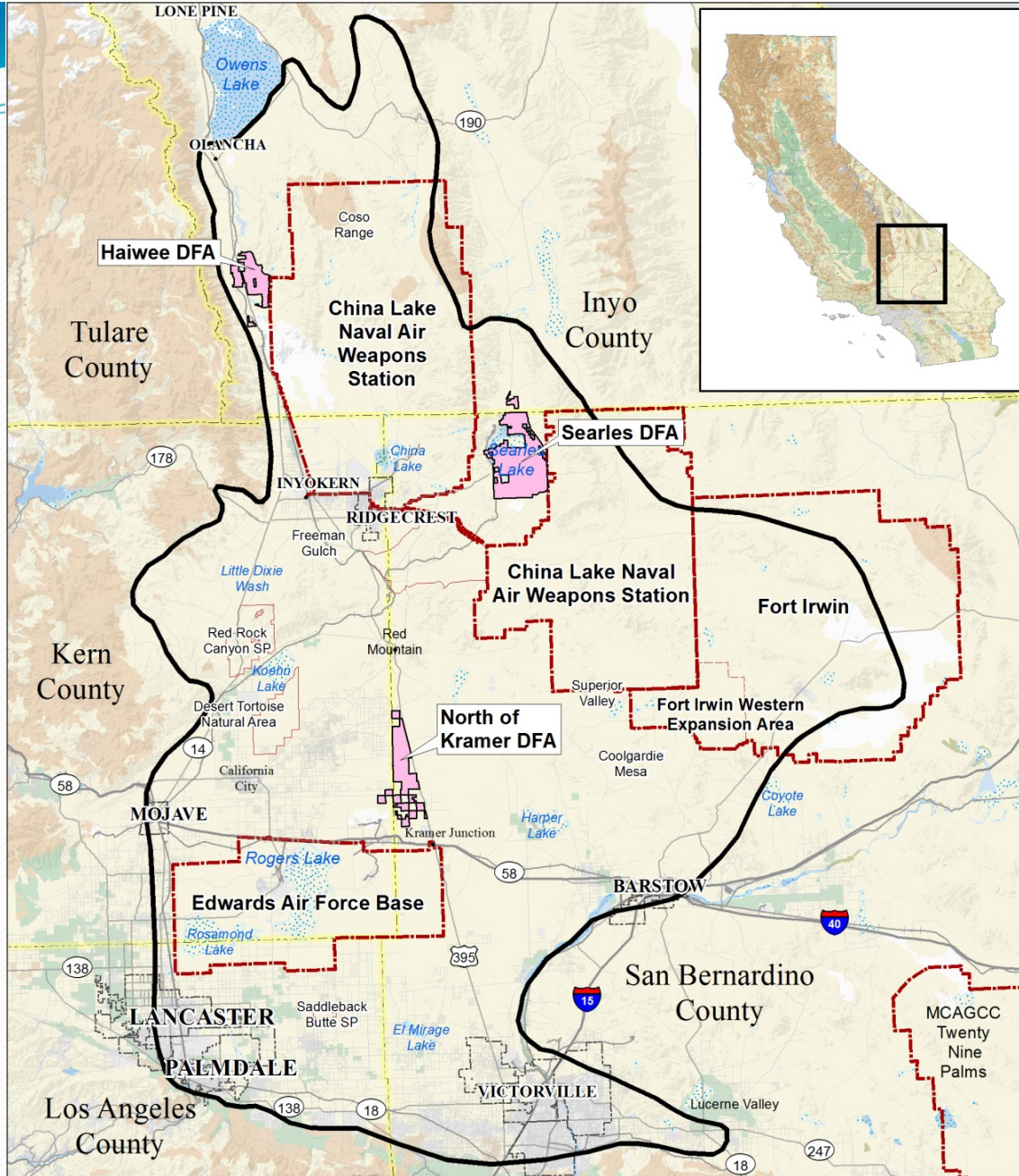
Trapping grid location

- ▲ MGS detected
- ✕ Incidental detection
- △ MGS not detected

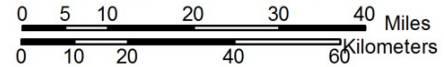
Camera sites

- ⊕ MGS detected
- ⊖ MGS not detected





BLM Development Focus Areas
 Boundary of Mohave ground squirrel range





BLM Grant – 3 DFAs

- Haiwee DFA – juvenile MGS at both trap grid and camera site
- North of Kramer DFA – lots of adult MGS, but no reproduction
 - MGS detected at 3 of 4 camera sites
 - MGS captured at all 4 trapping grids
- Searles DFA – MGS at 1 of 4 camera sites, no trapping done in 2018