

Hinkley 7 & LaRue Camp

5-9 May 2014



Hinkley 7 Leitner Grid

| | New Captures | | | | Recaps |
|----------|--------------|-------|-------|-------|--------|
| Date | Adu M | Adu F | Juv M | Juv F | |
| 5/5/2014 | | 1 | | | |
| 5/6/2014 | | | 1 | 1 | 1 |
| 5/7/2014 | | | 1 | 4 | 4 |
| 5/8/2014 | | | | 1 | 7 |
| 5/9/2014 | | | | | 9 |

9 MGS (≥ 2 family groups?) trapped 30 times

Hinkley 7 Leitner Grid

1 Adult female, 5 Juvenile females, 3 Juvenile males

| Date | Sex/Age | Weight (grams) | Tissue # |
|-----------------|----------------|---------------------------|-----------------|
| 5/5/2014 | F/A | 145 | 1 |
| 5/6/2014 | M/J | 78 | 2 |
| 5/6/2014 | F/J | 75 | 3 |
| 5/7/2014 | F/J | 70 | 5 |
| 5/7/2014 | M/J | 60 | 6 |
| 5/7/2014 | F/J | 80 | 8 |
| 5/7/2014 | F/J | 89 | 9 |
| 5/7/2014 | F/J | 68 | 10 |
| 5/8/2014 | M/J | 63 | 13 |

9 tissue samples taken



LaRue's Camp

| | New Captures | | | | Recaps |
|----------|--------------|-------|-------|-------|--------|
| Date | Adu M | Adu F | Juv M | Juv F | |
| 5/7/2014 | | 1 | | | |
| 5/7/2014 | | | | 1 | |
| 5/7/2014 | | | 1 | | |
| 5/8/2014 | | | | 2 | 3 |
| 5/9/2014 | | | | | 1 |

5 MGS (very likely 1 family group) trapped 9 times



120g Grid Female



61g Camp Female

LaRue's Camp

1 Adult female, 3 Juvenile females, 1 Juvenile male

| Date | Sex/Age | Weight (grams) | Tissue # |
|-----------------|----------------|---------------------------|-----------------|
| 5/7/2014 | F/A | 120 | 4 |
| 5/7/2014 | F/J | 58 | 7 |
| 5/7/2014 | M/J | 60 | 11 |
| 5/8/2014 | F/J | 61 | 12 |
| 5/8/2014 | F/J | 62 | 14 |

5 tissue samples taken

(MGS/RTGS Hybrid thanks to PG&E-funded study)

Tissue Sample #14

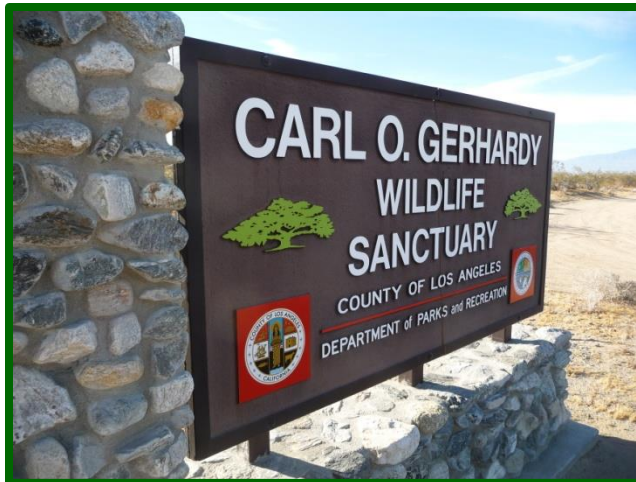


On 11/14/2014 Phil Leitner describes this 62g, juvenile female, caught on 8 May 2014 in LaRue's camp as follows: "Marjorie M[atocq] felt that it was an MGS backcross, maybe with one pure MGS parent and the other parent perhaps an F1 or F2 hybrid. So #14 was not an F1 hybrid, but did have some RTGS ancestry."

Summary for Hinkley 7 and LaRue Camp

- 14 MGS captured 39 times**
- Suspect at least 3 family groups: 2 on grid? 1 in camp**
- 2 post-lactating females: 1 on grid, 1 in camp**
- 8 juvenile females, 4 juvenile males**
- 14 tissue samples: 9 on grid, 5 in camp**

Los Angeles County Parks



Los Angeles County Parks

Phacelia Wildflower Sanctuary Park

Butte Valley Wildflower Sanctuary Park

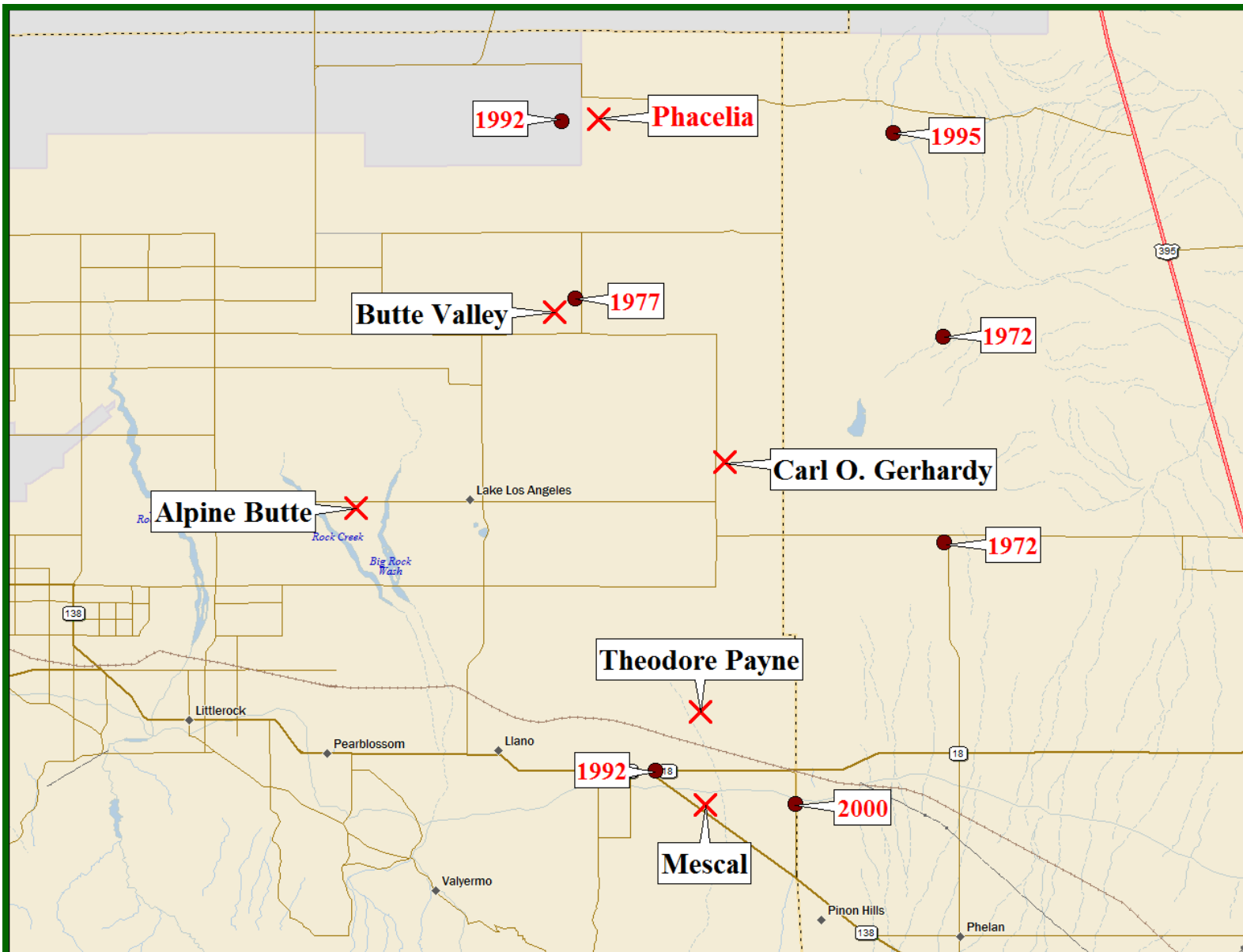
Carl O. Gerhardy Wildlife Sanctuary Park

Alpine Butte Wildlife Sanctuary Park

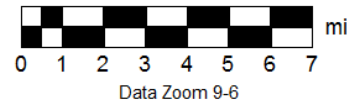
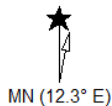
Mescal Wildlife Sanctuary Park

Theodore Payne Wildlife Sanctuary Park

6 Permits are good for 10 years, 2014-2023



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Phacelia Wildflower Sanctuary

MGS Trap Grid Lines 2014

490 acres+/-

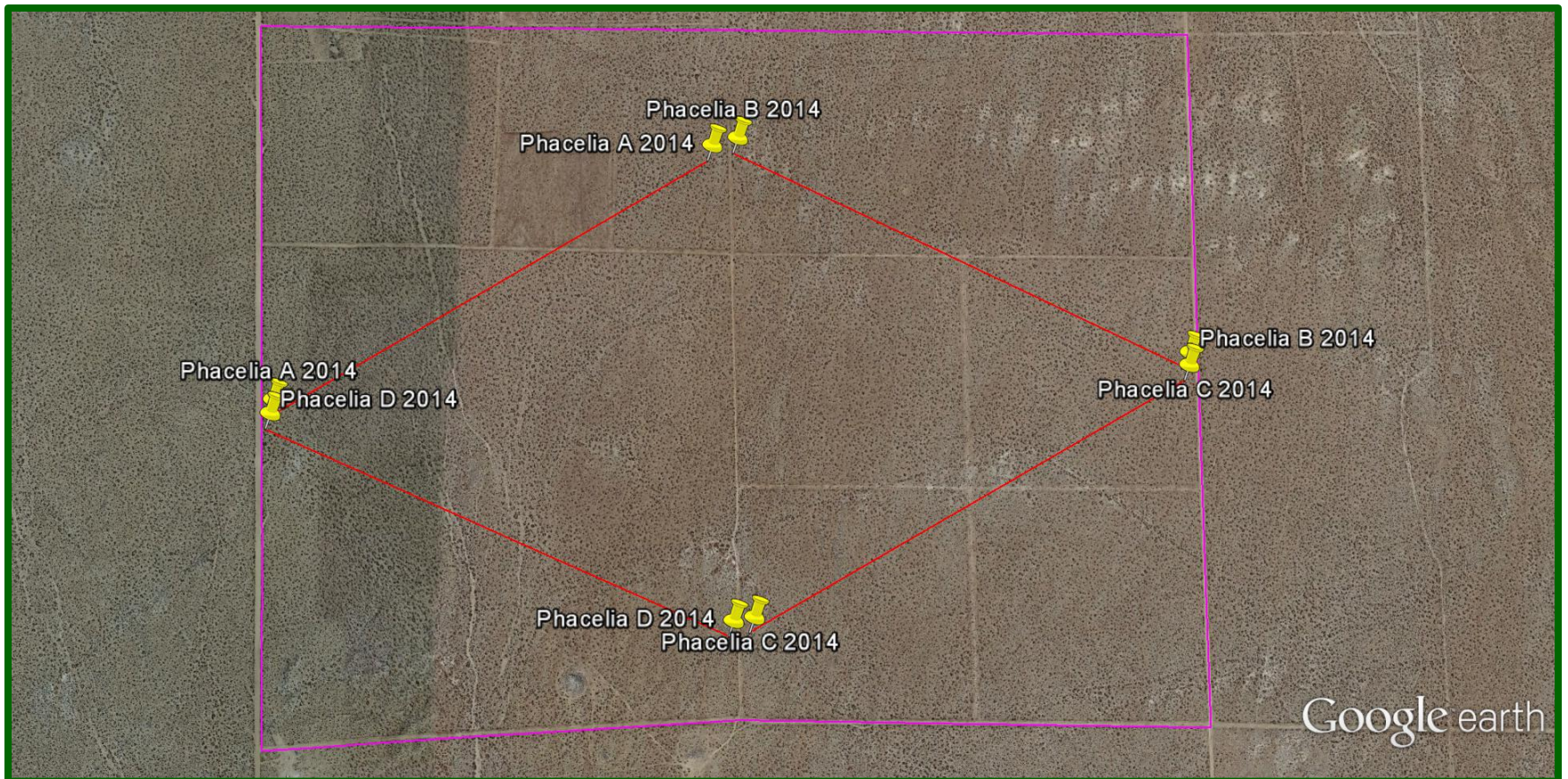
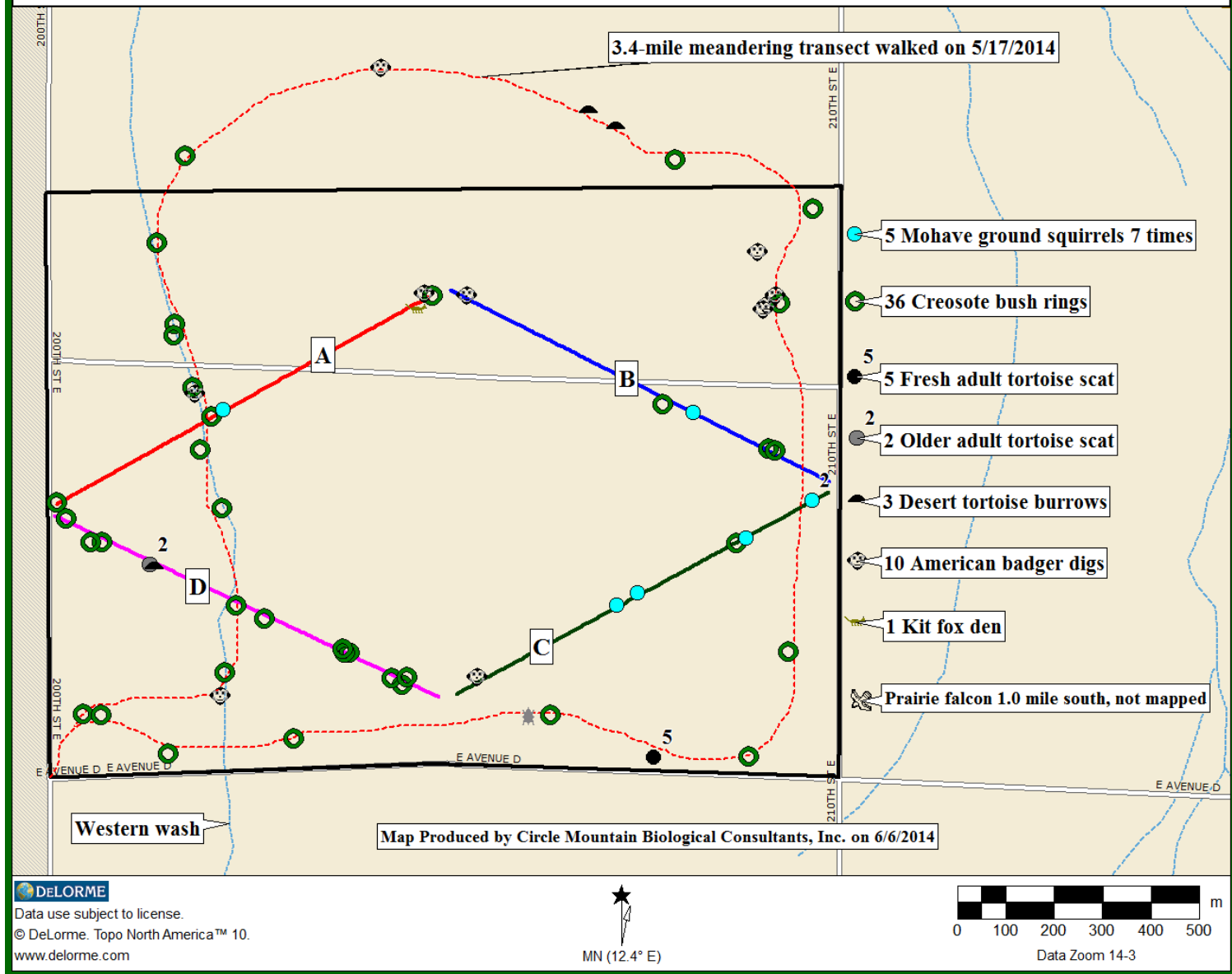


Figure 4. Special Status Species Observed at Phacelia Sanctuary in May 2014





120g Post-lactating Female



100g Juvenile Female

Phacelia 2014 Results: Five MGS Seven Times

Family Group

120g post-lactating adult female

88g juvenile male

101g juvenile female

100g juvenile female

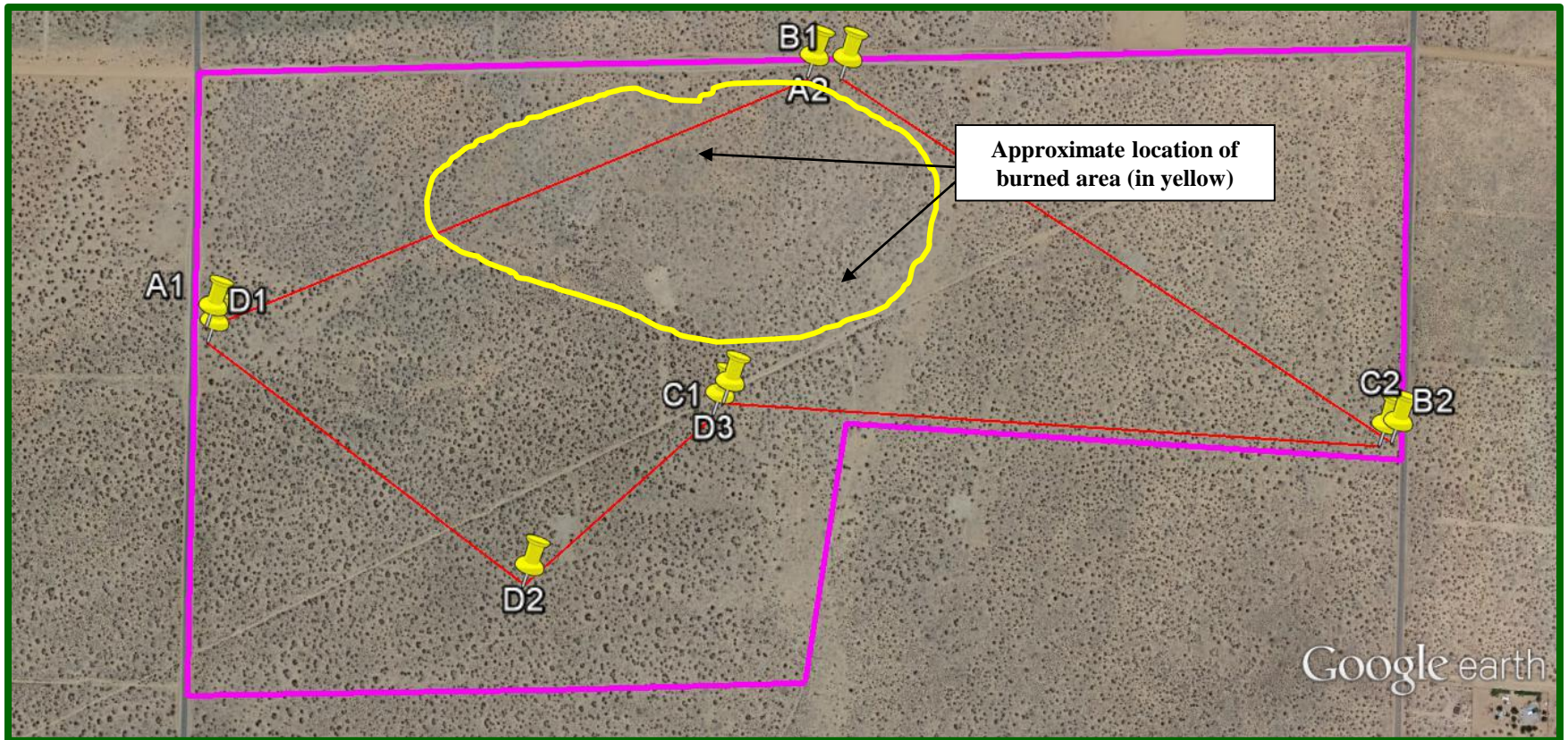
1st-year Animal

120g non-reproductive female

| TRAPPING RESULTS FOR MAY 2014 | | | | | | | | | |
|-------------------------------|----------------|---------|----------|-------------------|----------------------------|-------------|---------|--------------------|----------|
| DATE | TIME | TEMP °F | CAPTURES | | | Cloud Cover | | Wind speed (mi/hr) | |
| | | | AGS | | Other | AM | PM | AM | PM |
| 5/13/14 | 0700 | 66 | 11 | 0 | 1 WWTA | 2% | 0% | 0-5 | 5-10 |
| | 1930 | 80 | | | | | | | |
| 5/14/14 | 0715 | 68 | 11 | 1 new | 1 DSLI | 0% | 0% | 5-10 | 5-10 |
| | 1940 | 86 | | | | | | | |
| 5/15/14 | 0705 | 66 | 3 | 0 | 2 WWTA | 0% | 0% | 0-5 | 0-5 |
| | 1040 | 90+ | | | | | | | |
| 5/17/14 | 0610 | 68 | 8 | 3 new | 1 WWTA 1 CAGS | 75% | 60% | 10-15 | 10-15 |
| | 1840 | 89 | | | | | | | |
| 5/19/14 | 0715 | 58 | 7 | 1 new 2 recaps | 0 | 0% | 0% | 10-15 | 15-20 |
| | 1745 | 74 | | | | | | | |
| 5 Days | 0610 - 1940 | 58 - 97 | 40 | 5 new 2 recaps | 4 WWTA 1 DSLI 1 CAGS | 0 - 75% | 0 - 60% | 0-15 mph | 0-20 mph |

Butte Valley Wildflower Sanctuary

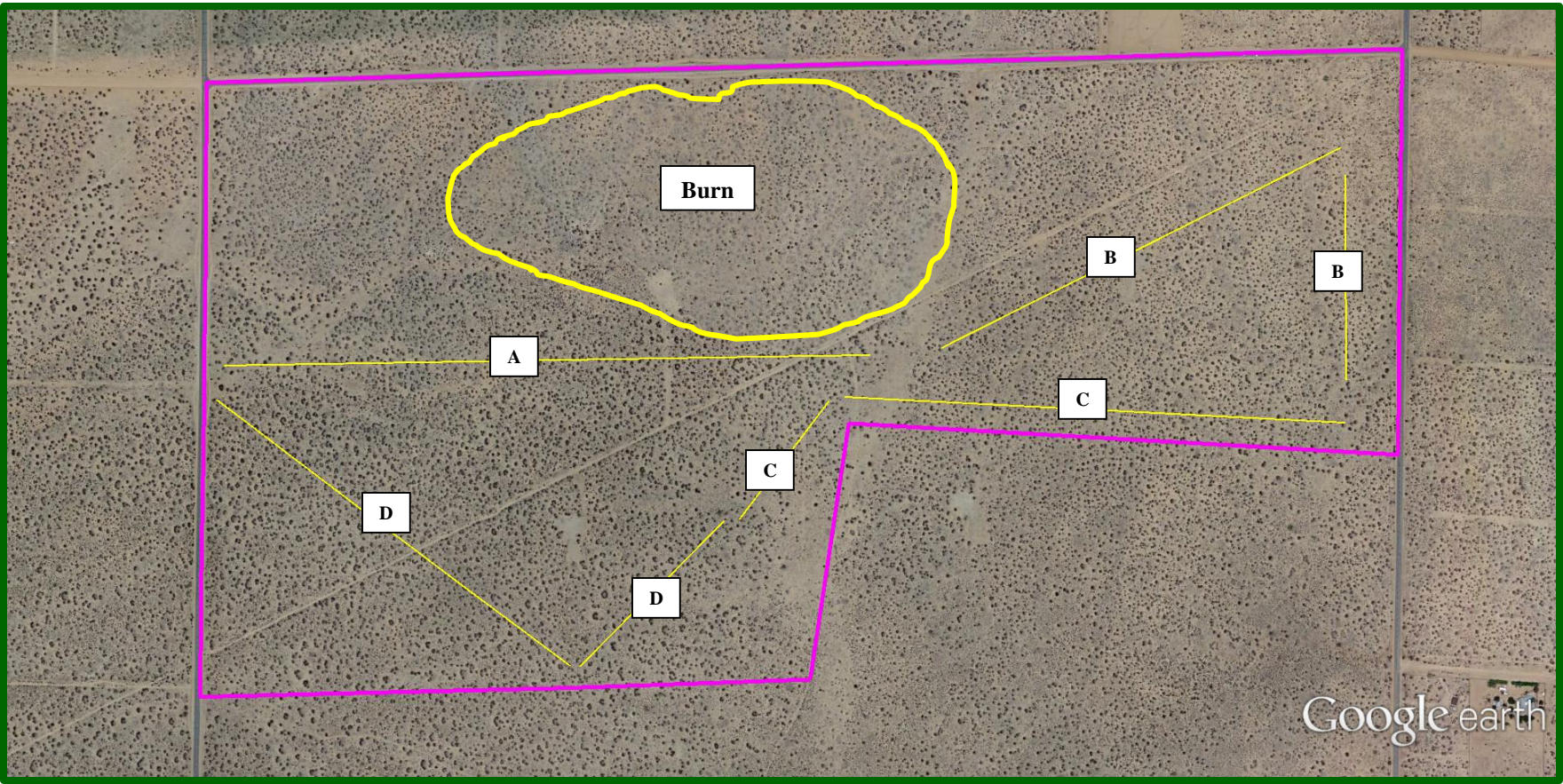
350 acres+/-



Butte Valley 2014 Results: No MGS

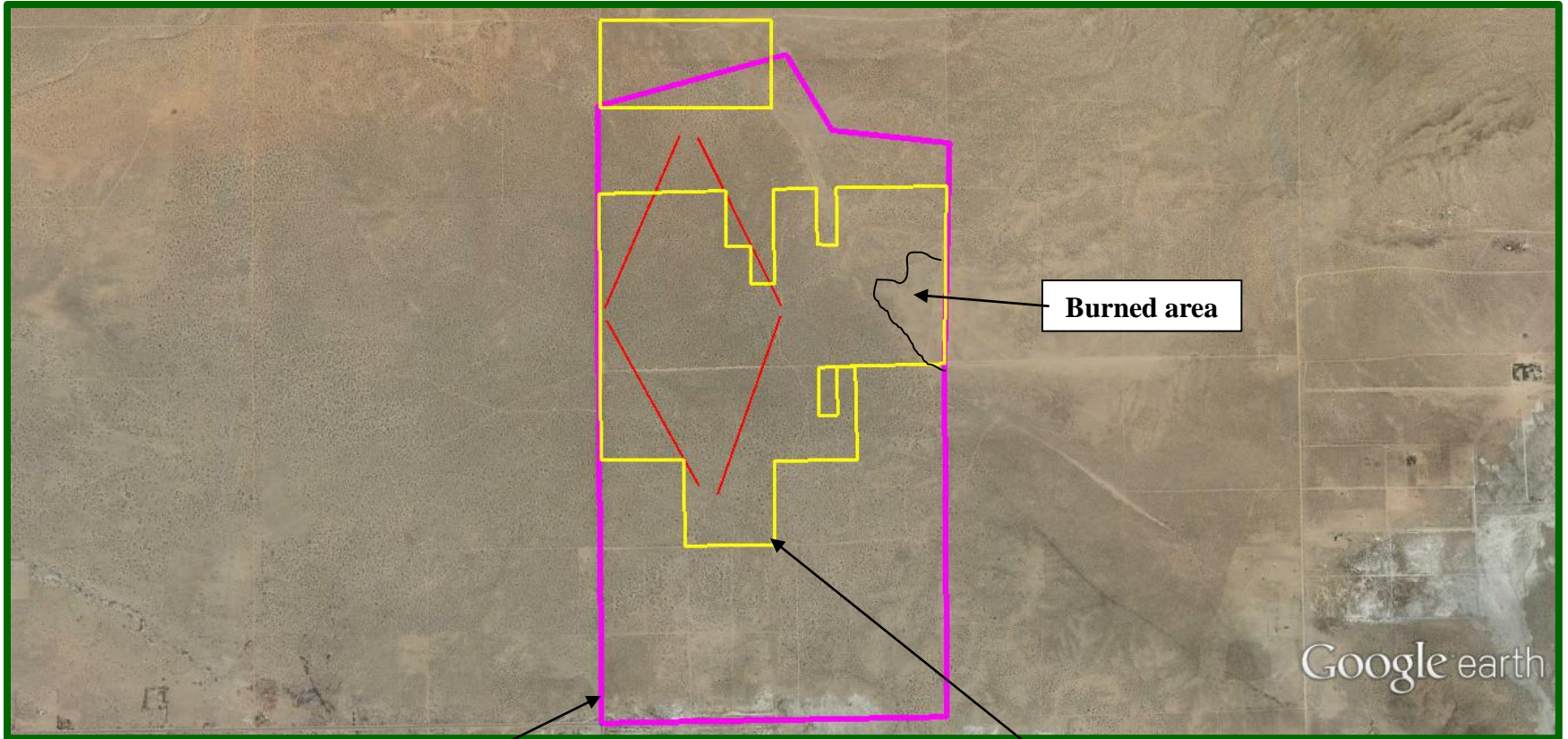
| TRAPPING RESULTS FOR MAY 2014 | | | | | | | | | |
|-------------------------------|------|---------|----------|---|---------------------------|-------------|-------------|--------------------|------------|
| DATE | TIME | TEMP °F | CAPTURES | | | Cloud Cover | | Wind speed (mi/hr) | |
| | | | AGS | | Other | AM | PM | AM | PM |
| 5/20/14 | 0700 | 51 | 20 | 0 | 0 | 5% | 75% | 10-15 | 15-20 |
| | 1850 | 68 | | | | | | | |
| 5/21/14 | 0700 | 52 | 19 | 0 | 0 | 95% Rain | 70% | 10-15 | 10-15 |
| | 1905 | 72 | | | | | | | |
| 5/22/14 | 0720 | 58 | 10 | 0 | 1 DSLI | 50% | 95% | 0-5 | 5-10 |
| | 1930 | 64 | | | | | | | |
| 5/23/14 | 0715 | 55 | 8 | 0 | 2 CAGS | 0% | 30% Rain | 0-5 | 10-15 |
| | 1845 | 78 | | | | | | | |
| 5/24/14 | 0700 | 66 | 3 | 0 | 1 CAWR | 75% | 50% | 5-10 | 5-10 |
| | 1400 | 90+ | | | | | | | |
| 5 Days | - | - | 60 | 0 | 2 CAGS 1 DSLI 1CAWR | 0 – 95% | 30 – 95 % | 0 – 15 mph | 5 – 20 mph |

Proposed Grid Reconfiguration



Carl O. Gerhardy Wildlife Sanctuary

547 acres+/-



Burned area

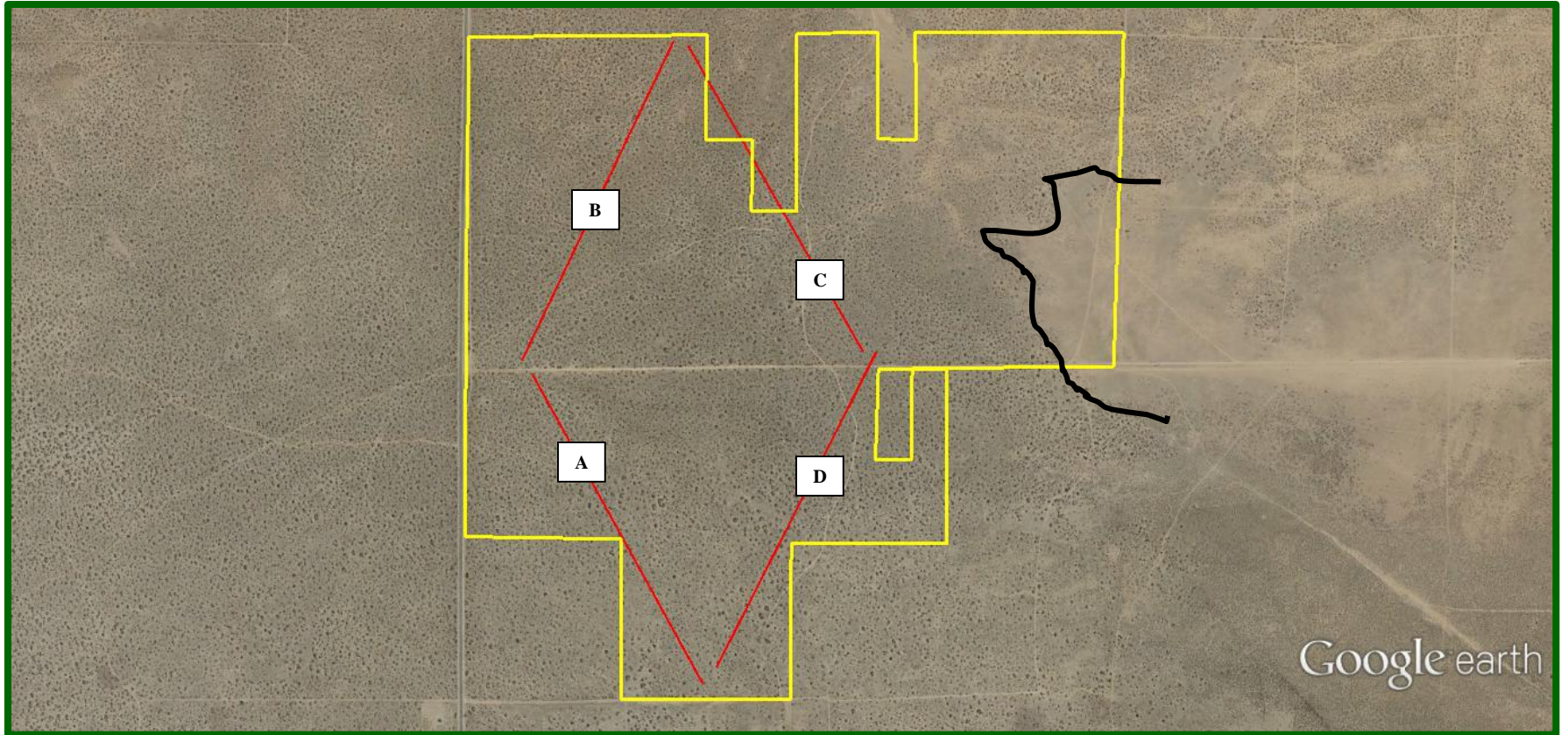
Pink line is shown as Sanctuary on website

Yellow line is actual Sanctuary boundary

Gerhardy 2014 Results: No MGS

| DATE | TIME | TEMP °F | CAPTURES | | | Cloud Cover | | Wind speed (mi/hr) | |
|--------|------|---------|----------|---|------------------|-------------|---------|--------------------|------------|
| | | | AGS | | Other | AM | PM | AM | PM |
| 6/1/14 | 0600 | 56 | 24 | 0 | 1 WWTA | 0% | 10% | 0-5 | 10-15 |
| | 1855 | 90+ | | | | | | | |
| 6/2/14 | 0600 | 56 | 21 | 0 | 1 WWTA 1 DSLI | 0% | 25% | 0-5 | 10-15 |
| | 1910 | 81 | | | | | | | |
| 6/3/14 | 0610 | 55 | 21 | 0 | 0 | 0% | 0% | 0-5 | 10-15 |
| | 1915 | 84 | | | | | | | |
| 6/4/14 | 0605 | 52 | 23 | 0 | 0 | 0% | 0% | 0-5 | 5-10 |
| | 1640 | 90+ | | | | | | | |
| 6/5/14 | 0630 | 64 | 8 | 0 | 1 WWTA | 0% | 0% | 0-5 | 5-10 |
| | 1630 | 90+ | | | | | | | |
| 5 Days | - | - | 97 | 0 | 3 WWTA 1 DSLI | 0% | 0 – 25% | 0 – 5 mph | 5 – 15 mph |

Proposed Grid Reconfiguration



What About 2015?

Trap Sites Not Trapped in 2014:

Alpine Butte Wildlife Sanctuary Park

Mescal Wildlife Sanctuary Park

Theodore Payne Wildlife Sanctuary Park

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