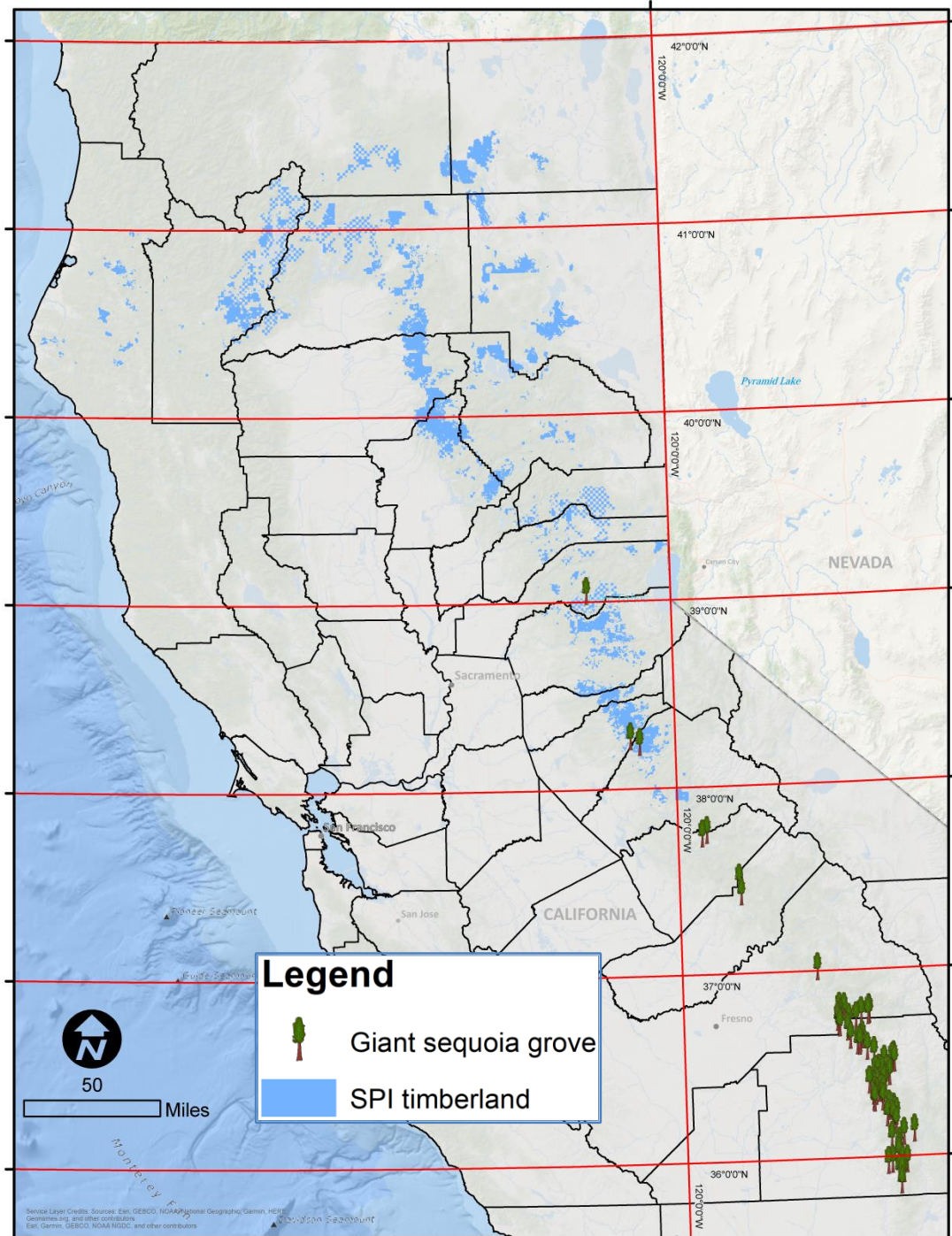




SIERRA  
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# Conserving Genetic Diversity of Natural Giant Sequoia Groves



Natural Groves  
grow between

N 39.06°

W 120.57°    W 118.51°

N 35.87°

SPI Timberlands  
occur between

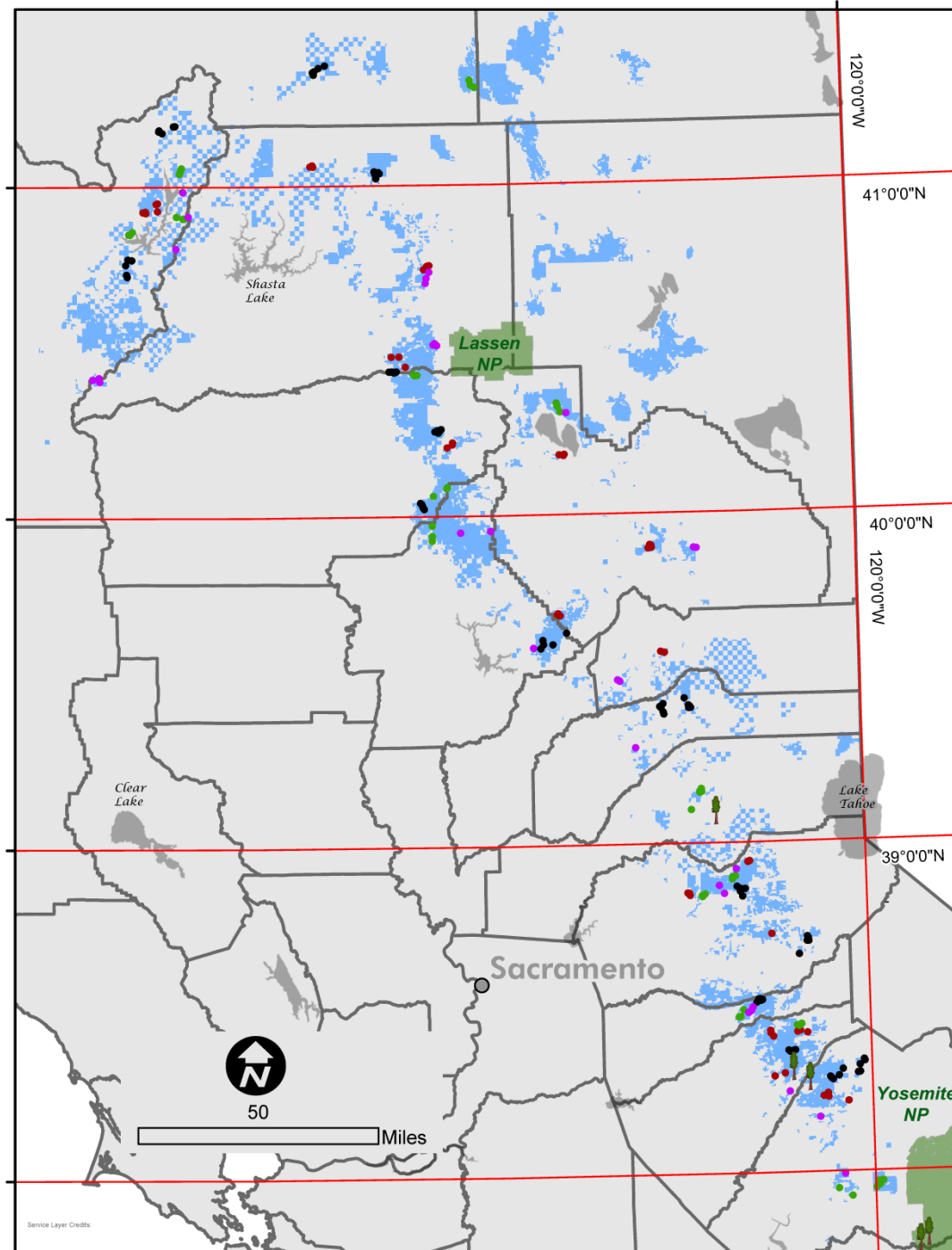
N 41.52°

W 123.11°    W 119.94°

N 37.91°



# Grove Outplantings



● 2012 – Mt. Home, Calaveras South, Redwood Mt.

● 2014 – Calaveras North & South

● 2016 – Placer, Lost, Giant Forest

● 2018 – Grant

# Collection

We made our first collection at Calaveras Big Trees State Park February 2012 after a massive winter storm.





# Outplanting

- Plant 30 to 50 units each year when seed is available across SPI ownership (approximately 30,000 to 90,000 seedlings).
- Plant pure groves and mixed groves.
- Plant high site, mixed conifer areas where sugar pine grows well.
- Avoid stands with heavy hardwood component. GS is likely susceptible to *Armillaria* root diseases.

# Outplanting to Date



- 9 pure groves, 3 mixed groves

- 4 outplantings – 2012, 2014, 2016, 2018

- 194,534 – Seedlings planted

- 69 THPs – 206 units – 4,310 acres

# Assisted Migration

- **Lessons from TI progeny testing**
- Testing yields unexpected results:
- NSTIA PP BZ 1 Snow load
- NSTIA PP Freeze/Frost Tolerance
- NSTIA DF BZ 7 Adaptability

Density????





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9 Comments

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