Insect Visitors to Tanoak Flowers: An Undocumented Casualty of Sudden Oak Death?

Jessica W. Wright
USDA- Forest Service
Pacific Southwest Research Station
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Observation protocol

- Name:
- Date:
- Time:
- Weather: (circle all that apply) Sunny Cloudy Calm Breezy Windy
- Approximate Temp:
- Location:
- Start Time: End Time:
- Number of focal male flower spikes observed:
- Number of focal female flowers observed:
- The flowers are in: Sun Shade
- Record of visitors to focal flowers (make a tally in each box for each visit):
  - Bees
  - Flies
  - Butterflies/moths
  - Birds
- Notes: (include comments on observations from non-focal flowers)
Lots of visitors were observed

<table>
<thead>
<tr>
<th>Site</th>
<th>Time</th>
<th>Visitors observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Ridge</td>
<td>4.5 hours</td>
<td>56</td>
</tr>
<tr>
<td>Madera</td>
<td>2.7 hours</td>
<td>41</td>
</tr>
<tr>
<td>Windy Hill</td>
<td>2.9 hours</td>
<td>51</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11.4</strong></td>
<td><strong>148</strong></td>
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</tbody>
</table>
Visitors came consistently.
More visitors came in the AM
Most visitors came in nice weather
More visitors were recorded in 2011

2 hours of observations- 24 visits recorded
Summary

• What we know-
  – Insects visit tanoak flowers

• What we don’t know-
  – Who are the visiting insects?
  – Do they pollinate tanoak flowers?
    – Bagging data suggests yes!
  – Do they rely on Tanoaks as a major food source?
  – How important are tanoaks in supporting native insect communities?