CONSERVATION LANDS NETWORK 2.0

Tracking Metrics: Lessons from the Conservation Lands Network
Session: Invasive Plant Management in California's 30x30 Initiative
Cal-IPC Symposium 2021, October 29, 2021

Tom Robinson, Project Director
Bay Area Conservation Lands Network
Biodiversity “Hot Spot”
10 Counties
An inspiring vision that focuses conservation efforts

Accounting framework to track and communicate progress

Photo by Lech Naumovich
Climate Change May Transform California's Bay Area

Sea-level rise, warmer temperatures and endangered species are among the impacts expected by 2100

By Anne C. Mulkern, ClimateWire on November 3, 2011

Nearly Half of California's Native Salmon, Steelhead and Trout on Track to Be Extinct Within 50 Years

State of Salmonids Report for 2017 Details Crisis and Opportunities to Reverse the Trend

By Nina Erlich-Williams on May 16, 2017 in Environment
Acquisitions and Easement 2010-2016

- Conserved Acres
- Year

- 2009: 1,250,000 acres
- 2010: 1,300,000 acres
- 2011: 1,350,000 acres
- 2012: 1,400,000 acres
- 2013: 1,450,000 acres
- 2014: 25,500 acres/year
- 2015: 1,400,000 acres
- 2016: 1,450,000 acres
- 2017: 1,500,000 acres

Graph shows an increase of 25,500 acres per year from 2009 to 2016.
Habitat-based goals

Knobcone Pine
California Sagebrush
Redwood
Urban

Rank 1 (90% of remaining)
Rank 2 (75% of remaining)
Rank 3 (50% of remaining)
Rank 4 (0%)

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
144,000 additional conserved acres
### Prioritized Habitats

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
<th>Unit</th>
<th>% of Shape</th>
<th>% Area Contributes to County Total</th>
<th>Amount Protected County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation Lands Network: Priority Lands</td>
<td>1,497</td>
<td>acres</td>
<td>19 %</td>
<td>1 %</td>
<td>85,874</td>
</tr>
<tr>
<td>Conservation Lands Network: Key Riparian Corridor</td>
<td>4</td>
<td>miles</td>
<td>2 %</td>
<td></td>
<td>86</td>
</tr>
</tbody>
</table>
Where do areas generate the most benefit to the most vulnerable communities?
Population Density

Distance to Roads

Parcelization

High Fragmentation

Low Fragmentation
Stewardship: Biodiversity is not going to “take care of itself” in a rapidly changing environment

How do we ensure that there is sufficient expertise and funding to implement effective stewardship?
Conserve 2.5 million acres of priority lands by 2050

Half the Bay Area
Adding 2.1M people by 2040
(MTC/ABAG)

7.2M to 9.3M