Soquel Demonstration State Forest
2021 Annual Report

Angela Bernheisel   State of California
Forest Manager    Department of Forestry and Fire Protection
                  Northern Region
                  San Mateo- Santa Cruz Unit (CZU)
                  Santa Cruz County
Summary

Construction of the new Soquel Forest Fire Station and Forest Office began in June. Fuels management projects were started under agreements with the California Conservation Corps and the Amah Mutsun Land Trust Native Stewardship Corps. Fire activity in the Unit in January and a wind event in February required evacuation of people in San Mateo and Santa Cruz Counties. Extended fire season was relieved by October rains. Research included new population density surveys for California Giant Salamanders (photo below). Updates to the SDSF webpage and a new video improved outreach and public education efforts (CAL FIRE Demonstration State Forests).

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Administration

Forest staff included: Forest Manager Angela Bernheisel, Assistant Forest Manager Colin Noyes, half-time Staff Services Analyst Anna Cameron, seasonal Forestry Aides Jay Snyder (who completed his season on February 25), Iona Mahony-Moyer (who started April 12), and Chloe Knowd (who started May 3), and Retired Annuitant Fire Captain Sean Adams who worked on occasion to support fuel reduction and crew projects. Most meetings, trainings and events were held either online or outside. The forest trails were closed to mountain biking the first week of February and in the second half of December due to rainstorms that created wet and hazardous conditions. The furlough for state employees of two days per month that started in 2020 under a personal leave program ended in July 2021.

Bernheisel continued to participate in the Unit Management Team and assumed regular Unit Duty Chief coverage on a rotating basis. Unit Chief Ian Larkin retired in November, replaced by Nate Armstrong. Bernheisel attended the State Forest Managers meeting in early October at Mountain Home Demonstration State Forest (DSF) that included touring areas impacted by the SQF Complex fire.

State Forest Staff at Mountain Home DSF examining forest boundary with the adjacent national forest where fire intensity changed due to treatments along the fuelbreak

Noyes was assigned as a Field Observer in the January wind event fires and as a Heavy Equipment Boss (HEBQ) for station coverage with a private hire dozer at Belmont Station 17 during two weeks in August. He also served in Suppression Repair on the Caldor Fire for seven days in September and was assigned as an HEQB and Suppression Repair Specialist on the Estrada Fire. Bernheisel supported the Unit as
Public Information Officer (PIO) during the Estrada Fire in mid-October when a prescribed burn extended outside of its planned control lines, doing several interviews with Bay Area and local media. Bernheisel and Cameron created new content for the SDSF webpage that was posted at (Welcome to Soquel Demonstration State Forest).

Bernheisel and Noyes assisted with Forestry Aide interviews in February by reviewing resumes, conducting online interviews and discussing candidates with Forest Managers. Forest staff attended Unit All Hands meetings in January, but two of the scheduled four meetings were canceled due to fire activity in January and February. Bernheisel presented an overview of emergency response at the forest at two of these meetings.

Bernheisel served a fifth year as a member of the Santa Cruz Mountains Stewardship Network (SCMSN). She met monthly with many of the subgroups like the Fire and Forest Health Team and participated in ongoing discussions on biomass utilization, climate adaptation, air quality districts and fire, neighboring land policies, and recreation management including e-bike policies on public lands. In December, she provided a presentation about fire and attended a tour at Big Basin State Park on fire recovery.

The multi-county mapping project continued, and Bernheisel coordinated field botany teams to conduct ground-truthing botanical surveys in the forest for several days in August. The progress in Santa Cruz County was part of a larger landscape mapping project including the counties of Sonoma, Napa, Marin, parts of San Francisco, San Mateo, and Santa Clara with the goal to produce fine-scale vegetation maps and wildfire risk and fuels data, with consistency across the region to support analysis and to inform management decisions. The SCMSN is a region-wide collaboration comprised of 21 organizations including local, state, and federal agencies, nonprofits, academia, business, community, and tribal groups (Santa Cruz Mountains Stewardship Network).

Bernheisel completed leadership of the Coastal Regional Prioritization Group (CRPG) of the California Forest Management Task Force (FMTF) and facilitated the only meeting in 2021, online in February. A presentation by FMTF leader Patrick Wright outlined the California Wildfire and Forest Resilience Action Plan that was issued on January 8, 2021. The FMTF was renamed the California Wildfire and Forest Resilience Task Force to reflect its purpose beyond forest management. Bernheisel coordinated feedback from CRPG project proponents in the coastal zone and prepared a letter asking the Task Force leadership to assist with a solution for using the California Vegetation Treatment Program (CalVTP) and Forest Practice Exemptions for projects in the coastal zone. She worked with CAL FIRE Unit, Region and Sacramento Resource Management staff to address issues to the Coastal Commission staff.

Bernheisel coordinated the mapping of CRPG project areas in GIS with funding from the SCMSN, to be used for prioritization planning for the regional group for fire
prevention and forest health projects. She assisted with the Forest Management Workforce Development group and attended seminars and meetings.

Forest staff worked on issues remaining in the areas affected by the CZU Lightning Complex fire from 2020. Bernheisel worked with Unit Foresters and the Santa Cruz County Resource Conservation District (RCD) to identify additional project areas for the RCD’s Forest Health Grant. In March, she met with the new Ranch Manager of Cal Poly Swanton Pacific Ranch to review potential sites for sorting of logs from the CZU Lightning Complex. She gave input on discussions about biomass issues for the Santa Cruz Mountains. No part of the forest was burned in the CZU fire.

The acquisition of land from a donation by Donald Barr in the Santa Cruz Mountains was finalized in December 2020. In January 2021, an Environmental Review Report Form was completed, and a Notice of Exemption was approved for cleaning up the small contemporary trash dump on the property. Bernheisel and Noyes coordinated the work utilizing a fire crew from Ben Lomond Conservation Camp who gathered and removed garbage from the site in March with additional scrap metal staged for later removal. Results from an archaeological records check were received from the Northwest Information Center for the property. A commemorative plaque was purchased for Barr for his generosity and persistence over 20 years to finalize the donation of his land, and a memorial plaque is planned to be installed at the Grandfather Tree to honor Barr’s grandfather, Edward Adams, who founded the Commonwealth Club of California in 1903.

After years in the planning stages, the reconstruction of the Soquel Forest Fire Station and Forest Office moved forward with a winning bid accepted in March. CAL FIRE Engineers and planners from Technical Services coordinated on-site bid meetings with over 30 contractors and subcontractors, and the lowest bidder was accepted. Hazard tree felling and hauling were completed in February and a Ben Lomond Conservation Crew provided cleanup of the limbs and branches.

Two coulter pine trees were felled in February and brush cleaned up at Soquel Forest Fire Station and Soquel Demonstration State Forest office site
Forest staff found a temporary office location and coordinated with CAL FIRE Tech Services for lease authority from the Department of General Services. All forest items and equipment were moved out of the office, fire station and shop by June 3 when Tech Services met with Unit staff and the contractor team for a pre-construction meeting. The contractor assumed authority over the site on June 14. At the temporary office, phones, internet, and computers all required special installation, new wiring and reprogramming that were coordinated over several weeks with the Unit’s ECC, Sacramento IT and Tech Services and telecom vendors. The temporary office was without phones for several weeks into the summer until AT&T moved the phone lines.

Demolition of the Soquel Fire Station

Forest staff received several inquiries from interested neighbors and provided a summary of the project (from Technical Services):

CAL FIRE is constructing a new single-building, 1-Engine fire station (6,066 sf), the new Soquel State Forest Education Center building (3,003 sf) and a generator/pump/storage building with generator (648 sf). Site improvements to include demolition of the existing facility, grading, paving, new utilities, new well, septic system and leach field, hose rack, wharf hydrant, above ground fuel vaults, site fencing, retaining walls, flagpoles, trash enclosure, site/curb/gutter/sidewalks, site lighting, new pole/tower for radio communications, landscaping, irrigation, storm drainage, deceleration lane and all appurtenances. The contractor plans to turn over the project to CAL FIRE in December 2022.

Rainfall for calendar year 2021 from the forest weather station totaled 41.08 inches. A wind event in mid-January sparked several fires in the Unit, and Noyes discovered a holdover heat source from the CZU Lightning Complex (see next page). No fires occurred within the Soquel Demonstration State Forest, but the wind brought down numerous trees and treetops.
In late January, a three-day rainstorm brought 10.9 inches of precipitation. Very scant precipitation was recorded from late March to late October and high temperatures in the forest reached 101.6°F in June. The months with the highest rainfall were January (12.52”) and December (12.86”). The return of seasonal rains on October 20 shifted the dry conditions, as the previous water year (from July 1, 2020 through June 30, 2021) recorded 25.04 inches, about half the average rainfall over the past five seasons. Several rainstorms in December created saturated soils in the forest, and the rain gauge got clogged, so precipitation records for a few days late in the month had to be corrected.

The weather station located at the lower helipad was calibrated and maintained under contract with Western Weather. Their services were needed to restore data in mid-July when the account running the modem at the weather station was offline for a time due to an error with the account managed by the Unit Emergency Command Center. Data from the weather station was loaded into the overall data, all available for public access online at (Soquel Demonstration State Forest weather underground website) and at (Soquel Demonstration State Forest weather website).

Forest vehicles remained the same as the previous year: a 2018 Dodge 2500 (D1707 Bernheisel), a 2017 Dodge 2500 (F1793 Noyes), a 2016 Ford F-150 that was assigned to forest staff including the Forestry Aides (F1796), a 2014 Yamaha Grizzly 450 ATV, a 1992 Built Rite utility trailer, a second utility trailer, a Bandit 150XP chipper, and two federal excess vehicles: a refurbished Kawasaki mule UTV, and a Yamaha Big-Bear ATV. The chipper stopped working in July and required repair of a
sensor in the exhaust system. The work was covered under warranty and repairs were completed by a certified dealer in Morgan Hill.

**Fire Prevention**

Forest staff worked with Ben Lomond Conservation Crews clearing forest roads, removing dead trees, chipping material and burning slash piles. The crews worked along the forest boundary on Comstock Mill Road in February and maintained the shaded fuel break along Hihn’s Mill Road. Forest staff burned piles to maintain roads and landings in the Longridge area in February, pulled broom in the fall and burned piles in December. In the spring, forest staff worked with engine crews to maintain the shaded fuel break along the western forest boundary on Robinwood Lane.

![A Ben Lomond Crew preforming roadside brushing along Hihn’s Mill Road](image)

An InterAgency Agreement with the California Conservation Corps (CCC) provided crews to work on fuel reduction projects along forest roads. The crews worked for several weeks in the summer doing preparatory work for a prescribed burn area around the lower helipad. This work built upon work started by the Amah Mutsun Land Trust (AMLT) Native Stewardship Corps. The CCC crews also worked in December with Retired Annuitant Adams along the property boundary shaded fuel break on Comstock Mill Road. The contracts with AMLT and the CCC were essential to get established in 2021 to begin work on fuel treatment projects and to carry into 2022, especially due to the limited availability of Ben Lomond Crews.
SDSF staff and CCC crew clearing and chipping down, dead, and ladder fuels

Pre- and post-treatment areas in preparation for prescribed burn at lower helipad

Pre- and post-treatment areas in preparation for prescribed burn near lower helipad
Plumbing was completed to connect two water tanks and a hydrant in the forest near the lower helipad which made available a combined 10,000 gallons of water at that location. In the spring, emergency access along forest roads and safety zones was improved in preparation for fire season.

Strict interpretations about heavy equipment work at the forest requiring a public works contract hampered maintenance work on forest roads. State contracting rules made planning for seasonal maintenance projects very challenging for state forest management.

Training

Noyes continued to support the Unit’s chainsaw training and assisted with S212 training for B fallers in May.

Mahony-Moyer and Knowd completed online Defensive Driver training, basic ICS and EEO training, chainsaw training with Noyes, Emergency Incident Awareness training at the Unit level in June, and Public Safety First Aid.

Bernheisel completed Haz Mat training, online Region Intel refresher training, Public Safety First Aid recertification and participated in a Santa Cruz County Wildland Fire Drill as Duty Chief on June 10 with a debriefing the following day. She attended CAL FIRE Duty Chief Training at North Ops in May, Archaeology Refresher training, and Tribal Relations courses with the organization Seventh Sovereign in November.

The Monterey Bay Search Dogs group held trainings for canines in the forest, as they have for the last dozen years. The group is affiliated with the Santa Cruz County Sheriff’s Department Search and Rescue Team and the California Task Force 3 Urban Search and Rescue team.

Timber Management

Noyes worked on preparing the Sulphur Timber Harvesting Plan (THP) in the Sulphur Springs area of the forest. In January, Bernheisel and Noyes met with CAL FIRE Archaeologist Ben Harris and tribal representatives from the AMLT to review archaeology for the Sulphur THP and other areas of interest. In April, forest staff conducted archaeological surveying and met with the AMLT Native Stewardship Corps to review prescribed burn preparation work and to visit cultural sites in the Sulphur THP area. For two weeks in May they prepared the lower helipad prescribed burn unit by removing dead, small-diameter densely-spaced trees and ladder fuels along the burn area perimeter and by chipping the material. The Sulphur THP will incorporate prescribed burning overlaid with Forest Health Grant work for subsequent fuels reduction.
Mahony-Moyer with the AMLT Native Stewardship Corps sampling surface soils

Unit Vegetation Management Program staff prepared the Santa Rosalia Vegetation Treatment Plan (VTP) which included the Sulphur Springs area connecting along Hihn’s Mill Road. Part of the plan included two prescribed burn areas around the forest helipads. The VTP was part of a larger project that expanded on the Hinckley Ridge Fuel Reduction Project completed in 2019 as part of the CAL FIRE 45-Day Report priority projects.

Bernheisel worked with the Santa Cruz County RCD to coordinate the transportation, storage, and distribution to landowners of the redwood seedlings grown at the LA Moran Reforestation Center for lands burned in the CZU Lightning Complex. The area received enough rain for planting, and Bernheisel set up the transport and storage of the seedlings with a contractor for January 2022. She coordinated with American Forests to fund parts of the project. A total of 63,000 seedlings were grown and distributed for planting.

Forestry Aides Mahony-Moyer and Knowd worked at two other Demonstration State Forests in the fall: at LaTour DSF for eight days cruising timber and performing campground maintenance, and at Mountain Home DSF for ten days where they assisted with re-inventorying the old-growth giant Sequoia trees.

The SDSF Intensive Forest Inventory that was completed in December 2018 continued to be under review by CAL FIRE State Forest Biometrician Jeff Leddy.

Eight firewood permits (Class 1 Timber Sales) were issued in 2021 for a total of 13.5 cords at $20 per cord, totaling $270 in revenue to FRIF.

Research

Fish population monitoring was conducted in the East Branch of Soquel Creek by a local fisheries biologist. Only a few days of work were completed due to the low water conditions in late September followed by a large rainstorm in October. Creek water levels were so low that only three sites were planned for sampling, instead of
the usual four. After only one site was completed, a significant storm in October brought several inches of rain to the forest, increased flow and changed conditions enough to throw off any further data collection for the season. Forest staff attempted to secure a 3-year contract for this monitoring work through the Business Services Office, but a one-time prior approval was granted after lengthy justifications were provided by forest staff. Further work to add to data set going back to 1993 may not be feasible in the coming years due to timing and contracting difficulties.

Unit Environmental Scientist Matthew Mosher, Mahoney-Moyer and Knowd installed new monitoring loggers (HOBO temps) in May for the annual instream water temperature monitoring of Soquel Creek. Replacement loggers were purchased for the lost and malfunctioning instruments. Mosher worked on both the 2021 Instream Temperature Monitoring Report and the 2021 Fish Population Report.

The herpetology projects led by retired CAL FIRE Captain Lawrence Erickson continued for the 12th year in a row. The population density study of the California Giant salamander (*Dicamptodon ensatus*) included surveying in February along Amaya Creek to see when the salamanders began hatching for the season. Surveys were conducted July-September for larvae, and for egg masses in September. In 2016, the California Department of Fish and Wildlife designated *D. ensatus* as a California Species of Special Concern due to habitat loss, fragmentation, and human disturbance, along with factors including deficient data on abundance, and minimal knowledge on the basic biology and natural history of this species. The larval stage is thought to last from 18 months-2 years, during which the species is most frequently encountered as they begin to leave the water for moist streambed habitats before metamorphosis to the terrestrial stage. Adults typically require more extensive searching to locate than larval salamanders, and it has been suggested that metamorphosed individuals may be largely subterranean. The objectives of the study included establishing baseline population estimates and monitoring populations to gain a better understanding of their natural history and habitat needs.
Surveys for counting egg masses of the Foothill Yellow-legged Frog (FHLYF) \((Rana boylii)\) were conducted in April and May in Soquel Creek. The intent of the 2021 surveys was to compare the counts of last season and to build historical data on the \(R.\ boylii\) population. The researchers found larger counts in 2021 than in 2020, but the considerable difference in local weather over the two years had to be taken into account. Late heavy rains in April 2020, typically after the frogs lay their eggs, resulted in high water in the creek which likely scoured the streambed causing many egg masses to be washed downstream, accounting for the lower numbers in 2020. The surveys also recorded observations of California Newts (\(Taricha torosa torosa\)).

The herp survey field work for 2021 totaled 22 survey days, 352 hours with 18 people, 157 records entered into the North American Herpetological Education and Research Project (NAHERP), and 1375 individual herps or egg masses/clusters counted. There were also five California Natural History Database (CNDDB) records submitted accounting for 346 individual observations of California Species of Special Concern (SSC). All the herpetology fieldwork was conducted under a CDFW Scientific Collecting Permit and safety protocols were followed during surveys as well as decontamination procedures for footwear and equipment before entering waterways.

A graduate student researcher working with Professor Janet Foley from the University of California Davis School of Veterinary Medicine continued a PhD research project in the area of the Sulphur Springs planned prescribed burn to examine tick populations before and after fuel treatments. This research examined the safety and risks of infection from ticks to those who work or recreate in the forest, as well as the environmental factors of fuel treatments, tick vectors and hosts. Visits were made to the forest to collect ticks. Interested employees and volunteers from CAL FIRE and forest visitors were recruited on a voluntary basis for blood screening for tick-transmitted pathogens to assess the associated exposure risk. Samples were collected at the Unit Headquarters, fire stations, and for forest visitors at the forest entrance. Research from Dr. Foley’s lab on blood borne disease has spanned 12 years at the
forest. A previous graduate researcher published a research paper “Impacts of Timber Harvest on Communities of Small Mammals, Ticks and Tick-Borne Pathogens in a High-Risk Landscape of Northern California” in the *Journal of Medical Entomology, XX(X), 2021, 1-17.*

Bernheisel worked with Richard Cobb from Cal Poly San Luis Obispo on a research grant to study fuel treatments at the forest. She also worked with Grey Hayes, Cal Poly Swanton Pacific Ranch Education and Outreach Coordinator, to apply for a Forest Health grant for 530 acres of forest health treatments at SDSF and 400 acres of wildfire restoration at Swanton Pacific Ranch. State Forests are prohibited from applying for CAL FIRE grants alone but are encouraged to apply in collaboration with other partners. The Forest Health Grant was awarded in September and the Research Grant was awarded in October.

Foresters in the region observed evidence of drought stressed trees in June, with browning crowns in areas including SDSF. Pathologists from the US Forest Service, Phil Cannon and Charles Barnes, also visited the monitoring areas at SDSF to observe forest health indicators and to meet with the research team and SDSF staff.

A team of researchers from UC Davis and Cal Poly spent two weeks at the end of June installing forest health and fuels monitoring plots across the planned treatment areas in the Sulphur Springs THP and VTP.

Geologists from the California Geologic Survey worked with CAL FIRE Geologist Cheryl Hayhurst on monitoring the Large Woody Habitat Complexity and Streambank/Road Repair Project in Soquel Creek.

Bernheisel met with Caltrans representatives about Soquel Creek mitigation funding for large wood projects at the Forest. Funding from Caltrans will be put towards funding large wood projects through the Santa Cruz County RCD Integrated Watershed Restoration Program (IWRP). Designs for four additional large wood projects were provided by Cheryl Haryhurst in 2019 with funding from IWRP.
The Santa Cruz Mountain Puma Project led by Dr. Chris Wilmers of UC Santa Cruz continued their research in the forest (since 2009) on the distribution and behavior of local mountain lions using GPS telemetry collars and game cameras. More info is available at (UCSC Wildlife Ecology and Global Change).

Recreation

The mountain biking trails in the forest were closed to bikes from February 1-5 due to wet and hazardous trail conditions. A wind event in mid-January started several fires, then the weather made a change and a rainstorm required evacuation of people in San Mateo and Santa Cruz Counties. Bernheisel posted updates on the CAL FIRE SDSF Facebook page. Storms in December brought enough rain to saturate trails and the trails were closed again for several days to mountain biking.

![Forestry Aides clearing drains on the Flow Trail](image)

Forest staff coordinated with the Santa Cruz Mountains Trail Stewardship (SCMTS), formerly known as the Mountain Bikers of Santa Cruz, for volunteer trail work days and drop-in Fridays during winter months, mostly focused on the Flow Trail. SCMTS also assisted with removing fallen trees across trails throughout the year.

Interest in mountain bike recreation continued to increase partly due to the extended closure of National Parks and National Forests during fire season. Mahony-Moyer and Knowd conducted a recreation survey over several days in the fall by setting up a table in the public parking area to gather information. Visitors were offered a short survey of questions, and the information was compiled to assess recreation and management needs.

A Special Use Permit was issued to Dirt Series Mountain Bike Camps for a skills workshop in September, and $600 was collected for deposit into the Forest Resource Improvement Fund (FRIF). Their permit had been cancelled in 2020 due to the CZU
Complex and the declared pandemic. Two permits for commercial filming at the forest were approved by the California Film Commission and SDSF Staff.

Requests for mushroom gathering permits increased sharply with the seasonal rains, and many were from first-time visitors from outside the local area. A forest overview and map were provided to the Fungus Federation of Santa Cruz for their online meeting in October. A total of 122 mushroom gathering permits were issued in 2021; all permits covered personal and educational use and not commercial sale.

Education

Forest staff attended many of the monthly outdoor meetings of the local chapter of the California Licensed Foresters Association. In May the group toured areas of the CZU Lightning Complex.

Bernheisel worked with Unit PIO Cecile Juliette to provide video footage for a short video compiled by Sacramento Communications about the State Forest Program (CAL FIRE Demonstration State Forests).

A college class of ten students and four instructors from West Valley College led by a volunteer firefighter from Loma Prieta Volunteers camped in the forest for four days under a Special Use Permit in late April. The outdoor survival training and education was part of a field portion of the course on Parks Management Technical Rescue. Bernheisel presented to the group about SDSF and career opportunities in Resource Management. She gave a presentation on forestry to another West Valley Park Management class in December.

Emergency Response and Law Enforcement

Illegal firewood cutting and vehicle abandonment continued to be a problem along Comstock Mill Road, and staff increased patrols in the area. Illegal burlwood poaching was observed and investigated.

CAL FIRE Prevention Officers patrolled the forest and enforced the prohibition of e-bikes by issuing warnings and citations. In 2020, more permanent “no e-bikes” signs made of metal were posted at the main public entrance.

CAL FIRE engines and the Loma Prieta Fire and Rescue Volunteers responded to 14 requests for medical aid from injured mountain bikers in 2021, down from 22 requests in 2020. Five injuries occurred on the Flow Trail, three on Ridge Trail, and two on Braille Trail, and at least one incident involved a patient transported in an air ambulance. Patients in 9 of the 14 incidents declined ambulance transport against medical advice but requested rides to personal vehicles in the parking area. One search and rescue incident for a lost hiker involved county sheriff resources but no CAL FIRE personnel were called. No fires occurred on the forest in 2021.
### Annual Financial Summary (Form RM-25)

**Soquel Demonstration State Forest 2021 Calendar Year**

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<td>Sales: Special Use Permits</td>
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**Annual Report of Timber Cut (Form RM-23)**

Soquel Demonstration State Forest

Commercial Sales from January 1, 2021 to December 31, 2021

Forest Products Convertible to Board Feet

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<th>Product (give dimensions)</th>
<th>Conversion Factor</th>
<th>Number of Pieces, Cords, Lineal Feet, etc.</th>
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<th>Value</th>
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Miscellaneous Forest Products - Not Convertible to Board Feet

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<tr>
<td>Totals</td>
<td>cords</td>
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<td>$270</td>
</tr>
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No Forest Products were cut for Department Use (i.e. fire stations).

**Statistical Data**

Soquel Demonstration State Forest

2021 Calendar Year

Administration: Number of Cases of Rights of Way, Leases, or Trespass Cases processed or Pending: 0

Protection

Number of Fires: 0

Acres Burned: 0

Fire Patrol Person-Days: 40

Number of Campfire Permits Issued: 0

Number of Trees Treated for Insects: 0

Number of Acres Covered: 0

Control Methods Used: none

Number of Contract Acres Treated for Disease: 0

Number of State Acres Treated for Disease: 0

Number of Pest Detection Reports Submitted: 0

Number of Snags Felled or Removed for Hazard Reduction: 10

Roadsides Treated for Hazard Reduction (in miles): 5.5

Salvage Volume (mbf): 0

Acres of Slash Abated or Cleanup for Hazard Reduction: 1

Fuel Treatment Acres: 10.5
Timber Stand Management
Number of Timber Sales Class 1 (Firewood Permits): 13
Number of Timber Sales Class 3: 0
Number of Trees and Acres Pruned, Thinned or Released: 0
Number of Acres Planted: 0
Number of Trees Planted: 0
Inventory Plots Established. Size of Plot: 1/5 acre
Number of Inventory Plots: 0
Acres Cruised: 0
Engineering. Boundary surveyed and Posted-to-Date: 42%
Outreach, Number of Occasions: 10
Events, Number of Occasions: 4
Tours, Number of Occasions: 3
Number of Experiments and Demonstration Projects Approved: 9
Number Completed: 3
Capital Improvements
Main Timber Access Roads Total: 8.8 miles
Spur Timber Access Roads Total: 7 miles
Firebreaks New Construction: 0
Firebreaks Total: 7 miles
Trail New Construction: 0
Trails Total: 12.2 miles
Bridges New construction: 0
Bridges Total Number: 3
Campgrounds Total: 1
Picnic Grounds Total: 4
Picnic Units Total: 10
Recreation
Hiking: 5,000 Visitor Days
Mountain Biking: 50,000 Visitor Days
Total: 55,000 Visitor Days