

Holm

**BLACK BEAR RESEARCH AND MANAGEMENT**  
**Annual Progress Report**

December 19, 2000

Redwood National and State Parks (RNSP)  
Greg Holm, Wildlife Biologist

**INTRODUCTION**

This report summarizes black bear research and management activities that occurred within Redwood National and State Parks (RNSP) during 2000. The black bear research section was not included in this report, because no black bear research was proposed or initiated within RNSP during 2000. The management section summarizes important bear sightings and incidents, mortalities, meetings, education, funding, and fiscal year 2001 priorities related to black bear management within RNSP.

## BEAR MANAGEMENT

### BEAR INCIDENTS AND SIGHTINGS

#### *Wildlife Observation Database*

There were 148 sightings of black bears reported on RNSP wildlife observation cards during 2000 (Appendix A). Although there are many factors which can influence the number of bear sightings reported, the 2000 total was only 70% of the average reported annually from 1995-99 ( $x = 213$ ). No sightings were reported during January, February, November, and December. Eighty percent of the observations were made during the main summer visitor time period (June, July, and August), with the most (49) reports occurring in June (Figure 1). Eighty-nine percent of the sightings were of a single bear, 11% involved 2 bears, and only 1 reported 3 bears.

Only 5% of the sightings occurred within RNSP north of the Klamath River (7 sightings, 8 bears). Thirty percent of the sightings occurred (45 sightings, 50 bears). In the middle portion of RNSP, south of the Klamath River and excluding the Redwood Creek drainage. Additionally, twenty of the sightings within the middle portion of RNSP were centered around Elk Prairie, in Prairie Creek State Park. Fifty-nine percent of the bear sightings occurred within the Redwood Creek drainage (87 sightings, 96 bears). Only 6% of the bear sightings occurred outside of the park boundaries (9 sightings, 11 bears).

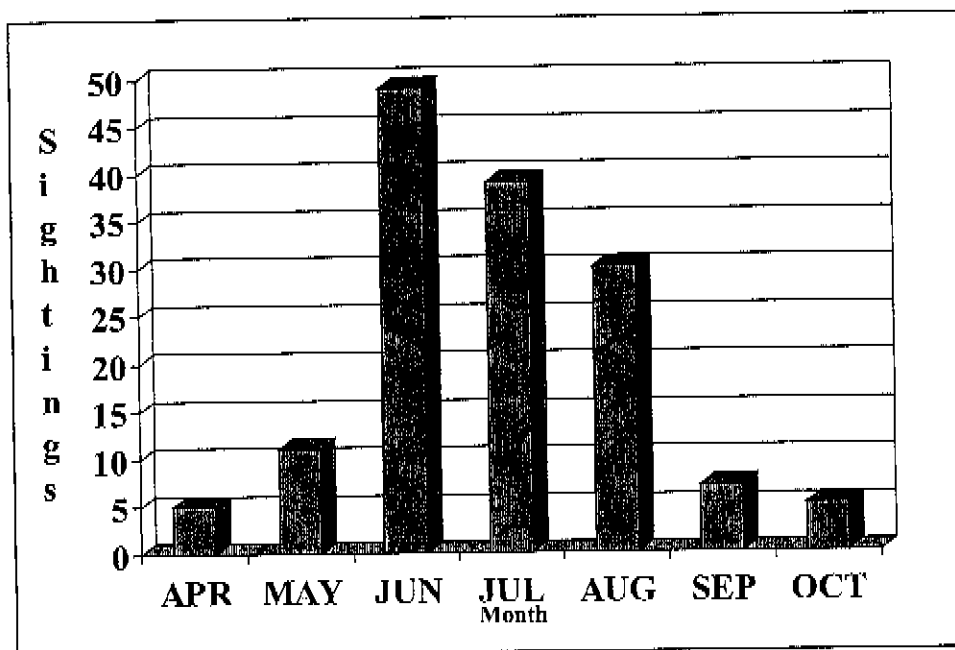


Figure 1. Number of bear sightings reported on RNSP wildlife observation cards, and month that the sighting occurred, during 2000.

## *Campgrounds*

### **Jed Smith**

- A black bear was observed at the maintenance area of the Jed Smith Campground early in the summer (June). No food/garbage reward, just passing through.
- A camper reported a black bear walking through their camp the night/morning of 8/12/00-8/13/00. A kiosk employee notified Kelly McCague of the incident, and I spoke with the campers on 8/15/00. Only one person (Carol) in camp actually saw the bear. The family was camped in site #61. Carol heard her dog barking and growling outside of her tent and looked out of the door to see what was going on. At that point she noticed a very large (est. 300 lbs.) bear walking quickly north away from camp. The bear stopped twice during its exit from camp to bite and chew on a tree briefly. The bear was out of sight quickly and she could not see what color it was. She was very sure that there was only 1 bear. Carol didn't know exactly when the bear came into camp, but figured it was between midnight and 0300. There was no food out, and therefore no food reward was obtained by the bear. However, Carol indicated that the bear may have dug out some old very small pieces of garbage from previous campers (scratches in dirt), but it might have been her dog too.

### **Mill Creek**

- On 7/19/00, a black bear was observed crossing the paved road between the Mill Creek kiosk and the Campground.
- During the last week of July (7/27/00) there was a black bear observed on the Saddler Skyline trail sleeping in a stump.
- A black bear was observed near a camp on 9/3/00 at 11:30 a.m. It was possibly attracted to a burger and chips left on picnic table (with people in camp), and fled when it saw people. It had been feeding on natural foods nearby when it was first observed.

### **Prairie Creek**

- The Fish and Wildlife Branch received 20 observation reports from various bear sightings near Elk Prairie during 2000 (Table 1). There was a small black bear around the Elk Prairie area from June through August. The bear was in the general area fairly consistently, and appeared to be exhibiting "natural" behavior, including fleeing from humans and staying out of human related food sources (garbage).
- During late June and early July, in an attempt to aversively condition the bear to humans, the bear was "air-horned" several times as it foraged very near the maintenance area at Prairie Creek. CDPR personnel also used a sling shot and marbles to aversively condition the young bear and an adult bear when they foraged in a pear tree located near the facilities.
- In addition to recorded sightings, a single bear was also reported in the area on 8/1/00, 8/13/00. Also, a mother with 1 cub was reported in the small parking lot near the rangers office on 8/14/00. The Prairie Creek State Park staff kept visitors informed of bear activity through personal contacts, camp visits, and a bulletin board

| Date      | Report # | Activity                    | Location                                  |
|-----------|----------|-----------------------------|-------------------------------------------|
| 6/22/2000 | VIS 1    | Ran across the road.        | 50 yd. off Elk Prairie trail.             |
| 6/23/2000 | RNSP 1   | Feeding, stripping bark.    | Edge of Elk Prairie.                      |
| 6/27/2000 | VIS 1    |                             | Elk Prairie trail.                        |
| 6/29/2000 | RNSP 1   | Stripping bark.             | Prairie Creek campground.                 |
| 7/14/2000 | VIS 1    |                             | Prairie Creek.                            |
| 8/13/2000 | VIS 1    | Eating berries.             | Foothill trail at Big tree.               |
| 8/18/2000 | VIS 1    | Appeared to be foraging.    | 1/4 mile north on Cathedral Trees Trail.  |
| 8/18/2000 | VIS 1    | Foraging near trail.        | 1/4 mile north on trail across highway.   |
| 8/18/2000 | VIS 1    | Running across highway.     | NBD parkway.                              |
| 8/24/2000 | VIS 1    | Calm.                       | Cathedral trees trail.                    |
| 8/24/2000 | VIS 2    |                             | Cathedral trees trail.                    |
| 8/26/2000 | VIS 1    | Running.                    | Behind campfire.                          |
| 8/26/2000 | VIS 1    | Running.                    | Behind campfire, on trail.                |
| 8/26/2000 | VIS 1    | Sitting on trail.           | Campfire trail.                           |
| 8/26/2000 | VIS 1    | On trail.                   | Campfire trail.                           |
| 8/28/2000 | RNSP 1   | Walking slowly along trail. | Elk Prairie south, on Elk Prairie trail.  |
| 8/28/2000 | VIS 1    | Walking below trail.        | Elk prairie trail.                        |
| 8/28/2000 | RNSP 1   | Crossing highway.           | Elk prairie trail.                        |
| 8/29/2000 | VIS 1    | Crossed road.               | Crossing Drury scenic parkway.            |
| 8/31/2000 | VIS 2    | Ran away.                   | Bicycle jogging trail near prairie creek. |

Table 1. Bear sightings reported in and near the Elk Prairie area, Prairie Creek State Park, during 2000.

of recent bear activity posted at the kiosk. Many bear sightings were recorded on "rap" sheet that Richard French posted in the kiosk for staff to fill out. It appears that bear sightings and activity in and near Elk Prairie stopped in early September. However, the drop in sightings could be attributed to declining visitor numbers after the first week of September as well.

#### *Other Facilities*

- During first week of June a bear was reported to be scratching vehicles at Wolf Creek Outdoor School. On June 9th a visitor reported seeing a large "crow" perched on the door of a Dodge pickup and pecking at the rear view mirrors. It was apparently engaged in a battle with it's own reflection. This probably accounted for the scratches on the doors and the slobber on the rear view mirrors of other vehicles. The same visitor reported seeing a 150 pound black bear walking around the large parking lot. There were 4 other black bear sightings reported at or near Wolf Creek Outdoor School on 7/3/00, 7/22/00, 8/4/00, and 10/13/00. It is very likely that some of these sightings are of the same bear(s) that have been frequenting the Elk Prairie area.

## FIELD WORK

New bear proof equipment was purchased and installed using the \$10,000 donation from the J.M. Long foundation. The equipment included, 4 brown mini double McClintocks, 5 brown mini single McClintocks, 5 green large double McClintocks, and 14 bolt inbeds. Support staff poured concrete pads and installed these new bear proof trash and recycle containers at visitor sites throughout RNSP. The support crew replaced signs on picnic tables and foodlockers as needed during 2000.

During late summer, the Fish and Wildlife staff inventoried bear proof equipment and sign needs at all visitor use areas and facilities within RNSP. Staff identified 1) the number and type of garbage/recycle cans and/or dumpsters at the site 2) the number and type of food lockers at the site 3) whether signs were on cans, dumpsters, lockers, and picnic tables 4) other bear related signs on kiosks 5) any broken equipment. With the exception of food lockers and recycle cans at Mill Creek campground, and recycle cans at Jed Smith campground, almost all other visitor use areas and RNSP facilities had the proper bear proof equipment installed and working properly.

Eighty-seven percent of all picnic tables at visitor use areas had metal bear/wildlife signs. Over 95% of the picnic tables in campsites still had a sign (346 tables total). However the day-use area picnic tables had only about 50% retention rate of signs. The Sign Committee approved the design, wording, and layout of the new bear cautionary and warning information signs, to be placed at kiosks and other areas throughout RNSP.

Fish and Wildlife staff made regular follow-ups on problem bears at Jed Smith and Prairie Creek/WCOS to educate staff and visitors (see dossiers; Appendix B). Numerous other informal contacts were made with RNSP personnel regarding bear-garbage and bear-human issues. Also, Fish and Wildlife staff inspected the RNSP and CCC grounds at Requa for food and garbage compliance opportunistically.

## MEETINGS

The RNSP Bear Panel met during June and November 2000 (Appendix C). Fish and Wildlife staff also met with the California Department of Parks and Recreation (CDPR) Supervisory Ranger to discuss communication between CDPR campground staff and the Fish and Wildlife branch regarding reporting bear sightings, aversive conditioning actions, and other human-bear incidents.

## EDUCATION

### *Presentations*

Fish and Wildlife staff continued to present orientations about how to work safely in bear country for new California Conservation Corps (CCC) members. The orientations also educated CCC members on how to properly store garbage and food around their residence and while camping. Ten orientations were given to new CCC interns during 2000. Bear safety orientations were also given to seasonal RNSP

interpretation staff, Youth Conservation Corps crews, Student Conservation Association members, and volunteer trail crews. The RNSP Interpretation Division also informed visitors about basic bear safety during the beginning of various interpretive programs and walks at RNSP facilities. Interpretive staff in the North District also presented several programs specifically about black bears during 2000.

#### *Enforcement*

The only food storage violations that were cited by Visitor Services and Resource Protection rangers occurred at the Freshwater Spit.

#### FUNDING

During January of 2000, the J.M Long Foundation donated \$10,000 dollars to RNSP for purchase of bear proof equipment. No other solicited donors contributed to bear proofing needs during 2000 (Appendix D). The Fish and Wildlife Branch continued to write and submit funding proposals for submission to numerous private and corporate foundations, seeking financial support to complete purchasing of the remaining bear proof equipment needed at several visitor sites within RNSP.

#### MORTALITIES

A fisheries graduate student at HSU reported finding a bear carcass in the headwaters of Streelow Creek on August 26<sup>th</sup>. The bear carcass was on the streambank and it was picked clean. The area around it was bare to the soil, and the fur was in the creek, without any sign of the hide. Most of the skeletal structure was present, including the skull, but one of the front paws was not found. The only tracks in the area were of canids, and there were quite a few vulture feathers.

#### FY 2001 PRIORITIES

- ❖ Alternative funding methods for purchasing remaining bear proof equipment will be investigated and pursued by Fish and Wildlife staff.
- ❖ All employees, contractors, etc, will be encouraged to turn in bear observations.
- ❖ Fish and Wildlife staff will work on consistent bear information for bulletin boards and information brochures around the park.
- ❖ Bear cautionary and warning signs will be produced and distributed.
- ❖ Renew the CDPR/CDFG/NPS black bear and mountain lion agreement.
- ❖ Bear Research related to management needs of RNSP will be investigated.
- ❖ Fish and Wildlife staff will help produce press releases for surrounding communities.
- ❖ Metal picnic table signs will continue to be inventoried and replaced as needed.
- ❖ Dumpster stickers and lockbar latches will continue to be replaced as needed.
- ❖ Protocol for backcountry food locker inspections will be developed.

# Appendix A. (cont.)

## Appendix A. Date, number, activity, remarks, and general location of bear sightings reported to RNSP during 2000.

| DATE      | # | Activity                                                      | Remarks                                                                        | Location                                       |
|-----------|---|---------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------|
| 3/28/2000 | 1 | Running down rd then ran up draw                              |                                                                                | Soc rd by gate                                 |
| 3/29/2000 | 1 | Running across road                                           |                                                                                | 1/3 way from tall trees trail gate             |
| 4/1/2000  | 1 | Walking through prairie                                       | Lots of scat in area                                                           | By long ridge sheepshed                        |
| 4/3/2000  | 1 | Running across hwy 101 from stone lagoon to the hillside      |                                                                                | About 1/4 mi n of stone lagoon visitor center  |
| 4/3/2000  | 1 | Running away                                                  |                                                                                | Coyote creek                                   |
| 4/14/2000 | 1 | Ran away as i approached                                      | Dark brown w/ blond black                                                      | Naer coyote rock                               |
| 4/26/2000 | 2 | Walking across road                                           | About 3.3 road gone                                                            | A-9, 3.2 miles south of wsa                    |
| 5/5/2000  | 1 | Ran across bald h rd into park                                |                                                                                | East of williams ridge on bald h rd            |
| 5/9/2000  | 1 | Ran across rd                                                 |                                                                                | A141 0.2 mi from holler ridge rd               |
| 5/10/2000 | 2 | Ran down rd and downhill on old alder stand                   |                                                                                | Swa rd b/t gate and stop sign                  |
| 5/18/2000 | 1 | Running across rd                                             |                                                                                | Bald hill rd, mp 2                             |
| 5/18/2000 | 1 | Just walking along and then it bolted when i approached it.   | I didn't see it until i saw this monster running away from me.                 | Trailhead at coastal trail at skunk creek      |
| 5/19/2000 | 1 | Running quickly away                                          | Very cool! 1645 el monte, crescent city                                        | Little bald hills trail                        |
| 5/23/2000 | 1 | Foraging for food, other bears also in area but not observed. | Houston tx, 281-337-1942                                                       | Just beyond 5th foot bridge with hand rails    |
| 5/27/2000 | 1 | Ran across rd                                                 |                                                                                | Skunk cabbage rd                               |
| 5/28/2000 | 3 | Walking up trail                                              | 2 small cubs on trail with mom close behind. The cubs went up the closest tree | 6 hour loop trail                              |
| 5/31/2000 | 1 | Ran across rd                                                 |                                                                                | Skunk cabbage                                  |
| 5/31/2000 | 1 | Crossing enderts beach rd west to east                        |                                                                                | Between beach house and pump station           |
| 6/1/2000  | 1 | Ran away from our car                                         | Size of big dog                                                                | Drive into tall trees trail                    |
| 6/4/2000  | 2 | Making "weird noisy" seemed a little aggressive               | Info taken by ranger at HQ                                                     | Klamath camper corral and old Klamath townsite |
| 6/6/2000  | 1 | Walking along hwy 101 n                                       |                                                                                | Across thr rd from rolfs                       |
| 6/6/2000  | 1 | Walking up hill into trees                                    | Huge, walked past 3 deer                                                       | Lane ranch prairie                             |
| 6/6/2000  | 1 |                                                               | Black bear                                                                     | On drive in on gravel road (TT)                |
| 6/8/2000  | 1 | Walking along bald h rd.                                      |                                                                                | Just above elk camp                            |
| 6/8/2000  | 1 | Walking along b.h. rd. Then ran into park and climbed tree    |                                                                                | North of elk prairie                           |
| 6/9/2000  | 1 | Running along rd then downhill                                |                                                                                | 2 miles below gate along tall trees access     |
| 6/9/2000  | 1 | Just taking a walk                                            | Richard then looked further and saw the bear walk across slowly                | Big parking lot (WC School)                    |

Appendix A. (cont.)

| DATE      | # | Activity                                                     | Remarks                                                                                                            | Location                                                         |
|-----------|---|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 6/10/2000 | 1 | Crossing b-hill rd                                           |                                                                                                                    | 200' e of intersection w/Williams rd                             |
| 6/10/2000 | 1 | Crossing b. Hill rd                                          |                                                                                                                    | Below 10j switch back                                            |
| 6/10/2000 | 2 | Ran from vehicle                                             | Very very cool                                                                                                     | TT access rd.                                                    |
| 6/11/2000 | 1 | The cub looked strait ahead at us                            | The cub seemed to be 100 yds away from the trail, 1 also saw claw marks near tree                                  | 1/2 mile down lower RC trail                                     |
| 6/14/2000 | 1 | Running down road away from vehicle                          | Large sized bear                                                                                                   | On m-line just past gate towards bridge 3                        |
| 6/15/2000 | 1 | Walking along road                                           |                                                                                                                    | M-Line, 1/2 mile behind gate                                     |
| 6/15/2000 | 2 | Feeding                                                      |                                                                                                                    | 101 bypass                                                       |
| 6/15/2000 | 1 |                                                              |                                                                                                                    | Grassy flat right of trail about 1/2 mile along (lower RC trail) |
| 6/16/2000 | 1 | Running down rd                                              |                                                                                                                    | Wsa                                                              |
| 6/16/2000 | 1 | Running down rd                                              |                                                                                                                    | Wsa                                                              |
| 6/16/2000 | 2 | Walking on road                                              |                                                                                                                    | On TT road                                                       |
| 6/17/2000 | 1 | Running down rd                                              |                                                                                                                    | Soc rd                                                           |
| 6/17/2000 | 1 | Ran across road                                              |                                                                                                                    | 1/2 way down TT road                                             |
| 6/17/2000 | 1 | Ran into woods                                               | Black bear                                                                                                         | 2 miles back on TT road                                          |
| 6/18/2000 | 1 | Ran across road and into forest                              | Wonderful                                                                                                          | 2 miles up road near picnic table (TT)                           |
| 6/18/2000 | 1 | Ran across road                                              | Honked horn                                                                                                        | 2 miles off of 101, on BH rd.                                    |
| 6/19/2000 | 1 | Eating prairie veg                                           |                                                                                                                    | East side of Lyons ranch rd                                      |
| 6/19/2000 | 1 | Started to cross river, turned back, then came back, crossed | Cool, he didn't come back for dinner                                                                               | 1/2 mile upstream from TT trail                                  |
| 6/21/2000 | 1 | Ran across bald h. Rd. On to park                            |                                                                                                                    | Just at the west side of elk prairie                             |
| 6/22/2000 | 1 | Running across the road                                      |                                                                                                                    | 1/4 mile up A-9-9, after A-9 log deck                            |
| 6/22/2000 | 1 | Running from vehicle                                         | In same vicinity as previous cub sighting (on 6/22) Sign (tracks and scat) along river from mearthur to Talt Trees | A-9-9 1/4 mile from A-9 log deck, on way to C-line               |
| 6/22/2000 | 1 |                                                              |                                                                                                                    | Redwood creek                                                    |
| 6/22/2000 | 1 | It just ran from us                                          |                                                                                                                    | 1/4 mile down from Elam camp                                     |
| 6/22/2000 | 1 | Ran across the road, no mama seen                            |                                                                                                                    | Just 50 yds off Elk Prairie trail where it crosses the parkway   |
| 6/23/2000 | 1 | Ran 1/2 way across rd and then ran back                      |                                                                                                                    | B hill rd trip 3-2                                               |
| 6/23/2000 | 1 | Walking down rd                                              |                                                                                                                    | 0.5 below elk camp prairie along b hill rd                       |
| 6/23/2000 | 1 | Running across rd                                            |                                                                                                                    | One st hwy/steeep                                                |
| 6/23/2000 | 1 | Along tall trees access rd                                   |                                                                                                                    | 0.7 mi from bottom parking area                                  |
| 6/23/2000 | 1 | Turned away from truck and loped                             | Cool                                                                                                               | Along Lost Man entrance road                                     |
| 6/23/2000 | 1 | Feeding, stripping bark, grubs                               | Caused a stir among new seasonal staff                                                                             | Edge of Elk Prairie                                              |

Appendix A. (cont.)

| DATE      | # | Activity                                                   | Remarks | Location                                             |
|-----------|---|------------------------------------------------------------|---------|------------------------------------------------------|
| 6/24/2000 | 2 | Playful                                                    |         | TT road                                              |
| 6/24/2000 | 1 | Ran at site of car                                         |         | 2 miles before TT trailhead                          |
| 6/24/2000 | 2 | In the trail, walking along                                |         | Little Bald Hills trail                              |
| 6/27/2000 | 1 | Walked up the trail                                        |         | North end of Elk Prairie trail                       |
| 6/27/2000 | 1 |                                                            |         | Elk Prairie trail                                    |
| 6/27/2000 | 1 | Walking                                                    |         | K&K road                                             |
| 6/28/2000 | 1 | Slided down hill                                           |         | Coastal drive                                        |
| 6/28/2000 | 1 | Rooted around in trees                                     |         | Where RC trail closes (6 miles in)                   |
| 6/29/2000 | 1 | Stripping bark from redw                                   |         | Prairie ck campground                                |
| 6/29/2000 | 1 | About 20 feet up a medium sized redwood along side of road |         | 200 yards from parking lot - meadow on right side    |
| 7/1/2000  | 1 | Running off rd into woods                                  |         | Bald Hills Road, 1.5 miles down from LBJ grove       |
| 7/1/2000  | 1 | Eating on side of road                                     |         | Mt 8 wsa rd                                          |
| 7/2/2000  | 1 | Ran of into woods                                          |         | Klamath bridge                                       |
| 7/2/2000  | 1 | Up a tree.                                                 |         | TT access road                                       |
| 7/3/2000  | 1 | Eating berries, then running like the wind                 |         | Redwood creek trail six hour loop. Spruce and alder. |
| 7/3/2000  | 1 |                                                            |         | Wolf Creek School area                               |
| 7/5/2000  | 1 | Fleeing                                                    |         | Tall trees grove trail head                          |
| 7/6/2000  | 1 | Walking through woods                                      |         | Soc rd by fire hydrant                               |
| 7/7/2000  | 2 | Walking up slope towards Lyons ranch rd                    |         | E of schoolhouse and Lyons ranch rd                  |
| 7/9/2000  | 1 |                                                            |         | E and below Lyons ranch rd                           |
| 7/10/2000 | 1 | Feeding along road                                         |         | Halfway down tall trees grove road                   |
| 7/10/2000 | 1 | Trotting across road                                       |         | Along 101 near by-pass                               |
| 7/10/2000 | 1 | Running from vehicle                                       |         | Smara west of gasquit                                |
| 7/12/2000 | 1 | Walking across hwy 199                                     |         | Gate at tall trees grove road.                       |
| 7/12/2000 | 1 | Running across road                                        |         | Rd going to the old elk corral                       |
| 7/12/2000 | 1 | Running across road                                        |         | 1/8 mile south of Houichi                            |
| 7/13/2000 | 1 | Running across road                                        |         | 101 south of cañon 1.5 miles. 55 miles north eureka. |
| 7/14/2000 | 1 | No mother                                                  |         | Got me?                                              |
| 7/15/2000 | 1 |                                                            |         | Prairie creek                                        |
|           |   |                                                            |         | Redwood or past waterfall                            |

## Appendix A. (cont.)

| DATE      | # | Activity                                          | Remarks | Location                                        |
|-----------|---|---------------------------------------------------|---------|-------------------------------------------------|
| 7/16/2000 | 1 | Checking us out                                   |         | Lower redwood creek                             |
| 7/17/2000 | 1 | Ran off trail into bush                           |         | 1/2 mi past tall trees trail                    |
| 7/17/2000 | 1 | Bear was rambling through forest and looked at us |         | 1/2 mi down tall trees trail                    |
| 7/18/2000 | 1 | Eating and lying in grass.                        |         | Freshwater across from camp entrance            |
| 7/19/2000 | 1 | Ran into bushes                                   |         | Redwood ck trail 1 mi down                      |
| 7/19/2000 | 1 | On road                                           |         | Between kiosk and campground mill creek.        |
| 7/20/2000 | 1 |                                                   |         | Tall trees trailhead                            |
| 7/22/2000 | 1 | Walking on hiking trail                           |         | Wolf ck gate                                    |
| 7/23/2000 | 1 | Running down middle of rd.                        |         | Bald hills rd. Just below gans prairie.         |
| 7/23/2000 | 1 | Run across rd.                                    |         | Soc rd at fire hydrant.                         |
| 7/24/2000 | 1 | Feeding in prairie                                |         | Above ranch rd coyote basin                     |
| 7/26/2000 | 2 | Running c-w across road                           |         | 100 m north of worm grove nbd pkwy              |
| 7/26/2000 | 1 | In grass                                          |         | In field below mirror on soc road.              |
| 7/26/2000 | 1 | Walking across river                              |         | Redwood creek                                   |
| 7/27/2000 | 2 |                                                   |         | Rweth                                           |
| 7/27/2000 | 1 | Sleeping in hollow tree                           |         | Saddler skyline trail mill creek eg.            |
| 7/27/2000 | 1 | Crossing redwood creek                            |         | Redwood creek                                   |
| 7/28/2000 | 1 |                                                   |         | Dry lagoon visitors center on slope across 101. |
| 8/4/2000  | 1 | Ran across road.                                  |         | Road to fern canyon at crest of hill.           |
| 8/4/2000  | 1 | Walking across exit court into bushes             |         | US101 and NBD Parkway exit                      |
| 8/10/2000 | 1 | Running into forest                               |         | Davison road at HWY 101                         |
| 8/13/2000 | 1 | Eating berries                                    |         | Foothill trail at Big tree                      |
| 8/18/2000 | 1 | Running across highway                            |         | Nbd parkway                                     |
| 8/18/2000 | 1 | Appeared to be foraging near trail                |         | 1/4 mile north on Cathedral Trees Trail         |
| 8/18/2000 | 1 | Foraging near trail                               |         | 1/4 mile north on trail across highway          |
| 8/19/2000 | 1 | Running from trail                                |         | 10 miles on Hiouchi Trail, from 199             |
| 8/21/2000 | 1 | Ran away when we honked horn                      |         | Bald hills road                                 |
| 8/21/2000 | 1 | Feeding                                           |         | A-200, 8000 feet of of Geneva road              |
| 8/22/2000 | 2 | Sitting on road                                   |         | 1 mile on davison road toward 101               |
| 8/22/2000 | 1 | Ran away                                          |         | Berry patch 3/4 mi from trailhead               |
| 8/24/2000 | 1 | Calm                                              |         | Cathedral trees trail                           |

## Appendix A. (cont.)

| DATE       | # | Activity                                                 | Remarks                                                              | Location                                                    |
|------------|---|----------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------|
| 8/24/2000  | 2 |                                                          |                                                                      | Cathedral trees trail                                       |
| 8/25/2000  | 1 | Ran across road                                          | Full of bounce                                                       | Bald Hills Road at Tall Trees Road                          |
| 8/25/2000  | 1 | Swimming                                                 | Jumped into river and swam                                           | Redwood Creek Trail, about 5.5 miles in (trail closed sign) |
| 8/26/2000  | 1 | Running across hwy 101                                   | North bound trucker honking, seemed to speed up, bear fled into veg. | NBD Parkway, mile marker 130.2 on hwy 101                   |
| 8/26/2000  | 1 | On trail, not in a hurry to get off of trail             | Did growl, seemed agitated                                           | Campfire trail, pscp                                        |
| 8/26/2000  | 1 | Running                                                  |                                                                      | Behind campfire, on trail, right on bridge - PCSP           |
| 8/26/2000  | 1 | Sitting on trail                                         | Growled, seemed agitated                                             | Campfire trail                                              |
| 8/26/2000  | 1 | Running                                                  | Running                                                              | Behind campfire                                             |
| 8/28/2000  | 1 | Crossing highway 101                                     |                                                                      | Elk prairie trail / nbd pkwy                                |
| 8/28/2000  | 1 | Walking below trail                                      | Ignored hikers                                                       | Elk prairie trail                                           |
| 8/28/2000  | 1 | Ran across the road                                      |                                                                      | 1/2 mile past Gans prairie                                  |
| 8/28/2000  | 1 | Walking slowly along trail. Doodat care that i was there |                                                                      | Elk Prairie south, on Elk Prairie trail                     |
| 8/29/2000  | 1 | Crossed road in front of car and ran into bushes         | Bear was small, less than 100 lbs.                                   | Crossing drury scenic parkway                               |
| 8/31/2000  | 1 |                                                          |                                                                      | 1 mile up Redwood Creek Trail                               |
| 8/31/2000  | 1 | Rustling in brush, crossed trail and kept going          |                                                                      | 3/4 mile down Tall Trees Trail                              |
| 8/31/2000  | 2 | Ran away                                                 | Mother and cub on trail, then ran away when we came closer           | Bicycle jogging trail near prairie creek                    |
| 8/31/2000  | 1 | Standing on trail                                        | Scouted off when bike approached                                     | Streelov trail                                              |
| 9/2/2000   | 1 | Running away                                             | Cute little bear, junior cub                                         | Streelov creek                                              |
| 9/3/2000   | 1 | Feeding near campsite                                    | Improperly stored food present; campsite unknown.                    | Mill creek campground                                       |
| 9/6/2000   | 1 | Walking along road, looked at us, left road when I waved | With A. Parkinson, L. Levi-Erickson, D. Bauer                        | K&K road, near mile 33.3                                    |
| 9/11/2000  | 1 | Came out of woods on shore opposite campsite             | Also several others at campsite                                      | 1/4 mile downstream from Tall Trees                         |
| 9/14/2000  | 1 | Climbing down redwood tree                               |                                                                      | Miners Ridge trail                                          |
| 9/21/2000  | 1 | Bathing and swimming in small pond                       | Was able to observe for 2-3 minutes, bear was acting goofy           | 100 ft. Below Lyons ranch road, 1/8 mile east of barn       |
| 9/21/2000  | 1 | Walking along road                                       | 200-250 lbs.                                                         | Rock Fork road, just east of Coyote Creek                   |
| 10/6/2000  | 1 | Running downhill                                         |                                                                      | Coyote rock                                                 |
| 10/13/2000 | 2 | Trying to get food hung in tree                          | Identified by tracks crossing creek                                  | Bond creek                                                  |
| 10/13/2000 | 1 | Climbing tree, eating bark                               |                                                                      | Wolf Creek trail, behind cabins                             |
| 10/20/2000 | 1 | Walking on road                                          |                                                                      | Ranch rd, Coyote basin                                      |
| 10/27/2000 | 1 | Walking on trail                                         | Retreating from me, walked away down trail                           | Tall tree trail                                             |

## Appendix B. Dossiers of bear activity within RNSP campgrounds during 2000.

8/3/00

- There has been a small black bear around Prairie Creek for the last 6 weeks (approximately). It hasn't been there consistently, and appears to be doing "natural" things. It hasn't approached anybody yet, and Javier and camp hosts have "air-horned" it to keep it scared. The most recent sighting was Tues. (8/1) across the creek near camp #35. The campground had no unattended food at sites.
- There has only been 1 black bear seen near Jed Smith this year, and it was in the maintenance area. Maintenance area appeared very clean (bearwise) yesterday, but I did see 1 campsite with no vehicles/people in them, but a cooler on the table.
- There was a black bear seen on the Saddler Skyline (Mill Creek) within the last 10 days, sleeping in a stump, but no bear/lion activity in campground. I didn't have time to tour the campground.

8/16/00

- Mill Creek, no bears around lately.
- Jed Smith had a bear come through a camp:

I received a phone message from Luke Anderson (Jed Smith Kiosk) on Monday, 8/14/00, that a camper had reported a black bear walking through their camp the night/morning of 8/12-8/13. Luke had first heard of the incident from a child of one of the camping party, during a junior ranger program on Sunday. Luke also notified Kelly McCague of the incident.

I spoke with Carol Montgomery at 1115 on Tuesday, (8/15). She is the only person in camp that actually saw the bear. The family was camped in site #61. Carol heard her dog barking and growling outside of her tent (her dog was tied to a tree in front of the tent) and looked out of the door to see what was going on. At that point she noticed a very large (she estimated 300 lbs. based on previous sightings) bear walking quickly north away from camp. The bear stopped twice during its exit from camp to bite and chew on a tree briefly (annoyed by the dog?). The bear was out of sight quickly and she could not see what color it was. She was very sure that there was only 1 bear. Carol didn't know exactly when the bear came into camp, but figured it was between midnight and 0300.

There was no food out in camp 61 (based on what Carol told the Jed Smith staff and me), and therefore no food reward was obtained by the bear. Carol indicated that the bear may have dug out some old garbage from previous campers (scratches in dirt), but she said it might have been her dog too.

- A single bear was observed behind Prairie Creek Visitor Center on Sunday (8/13), most likely the one that has been in the area since early July. Also mother with 1 cub seen in small parking lot near rangers office on Monday (8/14). I met and talked to Richard French about reporting bear and lion sightings. I asked him to contact us if he needs help with bear or lion related issues, and he said he would for sure because he is very short-handed.

## Appendix B. (cont.)

8/21/00

- PC campground, 1 bear observed 8/18 on the hiking trail on the south side of the prairie, was eating berries and ran away when visitors approached, appeared to be same small (sub-adult) that has been in area since July.
- JED, none in camp (bears), 1 bear reported @4 miles up the highway, east.
- MILL CREEK, no bears.
- Coyote Peak Rd. Corky sent Dave Barland-Liles up there Friday to investigate a cooler left outside of an unattended trailer on private land next to park.

8/28/00

- Prairie Creek = there were 2 reports of a single black bear near the campfire/campfire trail area on Sat. (8/26). One reported the bear ran away, the other said it wasn't in a hurry to move, and that it growled and seemed agitated. Also, today (8/28) a black bear was observed at the south end of the prairie near the highway, on the wooden footbridge (trail on east side of highway).
- Mill Creek = visitor reported hearing a bear/lion roar near campsite, but character was questionable (according to state employees).
- Jed Smith = Nothing new to report

9/6/00

- PC campground = small juvenile bear that has been around for @2 months now was observed near Elk Prairie trail on 8/28; female with 1 cub spotted near Streeclow Creek on 8/31 and 9/2. Bear(s) exhibiting normal behaviors and response to people during all 3 sightings. Other bear/lion sightings have been recorded on "rap" sheet that R. French posted in the kiosk, I'll collect/photocopy it later this month.
- Mill Creek = Also, a black bear was observed near a camp on 9/3 at 11:30 a.m. It was possibly attracted to a burger and chips left on picnic table (while people in camp), and fled when it saw people. It had been feeding on natural foods nearby when it was first observed.
- Jed Smith = No bear activity.

- Appendix C. Minutes of the spring and fall Bear Panel meetings.

### Spring Meeting

June 21, 2000

#### Memorandum

To: Superintendents, Division Chiefs  
From: Wildlife Biologist (Greg Holm)  
Subject: Bear Panel Minutes, June 12, 2000

Attending: Jeff Bomke, Corky Farley, Greg Holm, Lynda Mcalue.

We agreed that the bear panel should meet twice a year. The first meeting should be in April and the second in November, as has been done in the past. The discussion about panel representation revolved around whether we had the appropriate people at the correct management level to implement decisions made by the panel. Currently each division is represented on the panel (with the exception of administration). It was felt that overall we should keep the panel small, e.g. 8 people. Recommendations for each division were as follows: *Visitor Protection* – Corky Farley and Bob Jones (or designee); *Maintenance* – Jeff Bomke, Mary Read (signs), other NPS (Cabral, Carlson, Schnieder)?; *Interpretation* – Lynda Mcalue; *Resource* – Gizinski, Holm. Others from each division could attend if available and interested.

Food lockers still need to be installed at Mill Creek campground. Currently, only disabled campsites have them. The other campsites will not get them until the funding becomes available to buy them. Jeff has put in a project request through the State to buy the food lockers for Mill Creek, and additionally to buy bear-proof recycling cans for both Jed Smith and Mill Creek. Jeff mentioned that neither of those campgrounds currently have them (bear-proof recycle bins). However, if the project request is approved, the money will not become available for probably another 2-3 years. The private donors that Bill Falvey solicited last fall/winter are still responding, but no additional donations have been received yet. Greg will look into the possibilities of getting more funding through non-fee parks programs that B. Falvey mentioned during the last meeting, and will continue to pursue private donations. The panel also brought up the possibility of looking into using a portion of any film permit money to fund the bear-proofing program.

The panel discussed that there needs to be an inventory of what bear-proof trash / recycle / food locker items have been put where in the parks. If this can be done, then we will be ready to order the appropriate items if/when money does become available. The panel

## Appendix C. (cont.)

agreed that the best approach for the inventory would be to have 1-2 people visit all the sites instead of creating the inventory based on lists from 10-20 different people. Greg suggested that possibly 1-2 Fish and Wildlife seasonals or volunteers could accomplish this task later this summer or fall. An inventory of backcountry food lockers will likely need to be dealt with differently, e.g. checked when people are at the sites versus making a specific trip to check the backcountry food lockers. Greg will develop a protocol of what should be checked when someone is visiting a backcountry campsite (e.g. condition of door latches, signs, trash in food locker, whom to notify for repairs etc.).

Also, the condition of the signs on picnic tables and food lockers was discussed. An inventory of how they are holding up should probably be done along with the equipment inventory. Some areas that have the aluminum signs have already been checked by K. Richey. The positioning of signs on picnic tables was also debated by the panel members. The picnic table signs may be covered up by camp equipment and/or a table cloth right when campers arrive. It may be just as effective (and less expensive) to put sticker type signs only on the food lockers (in cases where tables and lockers occur together). The panel needs to consider this idea more thoroughly before we start switching and/or removing signs. Another sign issue was whether basic "visiting bear country" information should be available on the Freshwater Lagoon kiosks. This issue will be brought up at the next sign committee meeting.

The committee discussed the condition of the dumpsters at Freshwater Lagoon. All 9 of the dumpsters should have bear-proof mechanisms on them, however they are not always in working order. Also, none of the dumpsters have any type of wildlife/trash stickers on them. Greg will look into whether Humboldt Sanitation will allow stickers on their equipment and if stickers are appropriate for these dumpsters. The dumpsters need to be checked periodically to make sure that they are indeed working correctly, even if we can't get every visitor to use them properly. The trash pickup schedule on Freshwater has been working well so far this year, but needs to be monitored.

Another topic centered on a reporting system for when special events are taking place, so that trash can be picked up promptly. Communication during any weekend events seems to be the key to making trash removal during special events take place smoothly. Also, many of the event trash needs can be addressed in the permitting phase, and perhaps requiring extra money to accomplish prompt trash removal needs to be an option.

The panel brought up the "clean camper" awards, which was discussed at the last bear panel meeting. This program was in effect at Elk Prairie a number of years ago, and could be restarted by informing the campground staff of the need to perform brief inspections of campsites during the day, when many campers are away from the sites. It would be established at all the campgrounds. This is being pursued by Valerie and still needs to be discussed with the other people that would be involved.

## Appendix C. (cont.)

There have been no serious bear incidents yet, and hopefully the summer will continue that way. The panel discussed possibly doing more PR or community outreach in many of the privately owned residential areas surrounding the Parks. This has been done in the past, with mixed success (mostly depending on the community). All agreed it would be a good idea, however finding the time to do it may be more difficult.

The panel will meet again in November, exact date will be determined in September.

### Fall Meeting

November 30, 2000

#### Memorandum

To: Superintendents, Division Chiefs  
From: Wildlife Biologist (Greg Holm)  
Subject: Bear Panel Minutes, November 30, 2000

Attending: Linda Cramer, Corky Farley, Mike Goss, Greg Holm, Ron Jones, Lynda Mealue, Mary Read, Phil Rovai, Howard Sakai.

*Year 2000 Bear incidents and sightings, and reporting:* The panel reviewed the incident and sighting report, taken from the draft annual bear management report. There were no bear-human interactions (contact) and no human food rewards reported within RNSP during 2000. There were 148 sightings reported to the Fish and Wildlife Branch, with >80% of those reports coming from the Redwood Creek drainage and Prairie Creek area. The panel felt that bear sightings were likely occurring in the northern portion of the parks, but were probably not always being reported. There were a few observations turned in from outside the immediate park boundaries. These are only of interest if the reports involve food rewarded or aggressive bears in communities near the park boundary. The panel members agreed to provide any additional unreported observations made during 2000 to Greg by December 15<sup>th</sup>. ALL employees, contractors, etc., need to turn in bear observations in a timely manner. This will help immensely when it comes time to determine management actions and signing needs. Also, Greg needs to know when aversive conditioning actions occur (e.g. date/time/frequency etc) and the reactions of the animal for dossier building. Greg will also be working with Valarie on proper notification procedures for kiosk workers in the event of a bear/lion incident

## Appendix C. (cont.)

*Bear proofing equipment and maintenance:* The Fish and Wildlife staff inventoried visitor use areas and NPS/CDPR facilities during August and September. All visitor use areas have the appropriate bear proof equipment. The only exceptions are Mill Creek campground (need 137 food lockers, 16 recyclers) and Jed Smith campground (20 recyclers). Most NPS/CDPR facilities also had bear-proof equipment installed. The inventory had not been done since 1997, and will not be repeated soon because most areas have the right equipment. However, maintenance personnel and other employees that regularly visits sites with bear proof equipment will need to inspect and fix, or at a minimum, report defective equipment on a regular basis. Greg will contact the McClintock Company and try to get information on the best (and most "non-attractant") lubrication for bear equipment hinges, and pass this information on to the maintenance shops. Timely action and communication is the key to keeping the equipment functioning. CDPR will soon be placing dumpsters at shop areas to help accommodate loose garbage in trash storage buildings. Greg will present the backcountry campsite checking protocol for review by panel members before the next meeting.

*Funding:* RNSP needs approximately \$104,000 in bear proof equipment. RNSP will be providing approximately \$32,000 in-kind for installation. Jeff Bomke has submitted request for funding of Mill Creek foodlockers and recyclers, and Jed Smith recyclers. However, no new projects funded for this fiscal, and likely none for 2001-2002, but he will resubmit in July 2001 and hope for best. Greg will contact Bomke about deferred maintenance money for repairing/replacing existing equipment. Greg will be resubmitting funding requests to private groups Bill had contacted and others this winter. Linda Cramer is going to help find more grant and funding organizations before 2001. Howard will be looking into non-fee park funding. The panel had several good suggestions for raising money to pay for maintaining old equipment, and possibly buying some of the new equipment. Cara Arguello's beanie bear was presented to panel members, and all felt it was worth pursuing selling these bears through RNHA and state association to raise bear proof money. Ron Jones and Greg will pursue this. Ron Jones suggested possibly making the bear signs on picnic tables for sale, since people seem to like to take them for souvenirs anyway. The panel also discussed the use of film permit money, donation fund, and superintendent's fund for helping fund bear equipment.

*Signs:* 87% of all picnic tables at visitor use areas had metal bear/wildlife signs. Over 95% of the tables in campsites still had a sign (346 tables!). However the day-use areas had only about a 50% retention rate of signs. Mary Read still has stock to produce replacement signs for the missing ones, plus some extra to have on hand. She will produce these so that they can be placed out before the visitor season picks up again. After discussing the pros and cons of having metal table signs only, foodlocker sticker signs only, or both sign types at frontcountry campsites, the panel voted to maintain the current practice of having only a metal picnic table sign at each campsite. Lynda Mealue is going to look into having school groups complete future sign inventories and sign replacement. The panel reviewed the bear and lion warning signs approved by the sign

## Appendix C. (cont.)

committee and Greg will get these produced before the next meeting. The panel liked the idea of having basic bear/lion information on one side and warning information on the other, except in instances where bulleting boards are not encased/locked. Also, these signs will be made available to the Rangers.

*Education:* Greg will be working with Interpretation to help facilitate consistent bear and lion information on bulletin boards and information brochures around the park. The CDPR lion information panel needs to be reviewed by the panel so that we have a consistent message with bears and lions, and between parks. Greg will be providing assistance with Redwood home page information about bears and other wildlife as needed. The panel felt that a training session addressing safety issues related to working around large animals (bear, lion, elk) need to be presented to permanent personnel. Permanent personnel will then take responsibility for relaying this information to seasonal employees, contractors, etc. Howard and Greg will work on preparing this. Greg will pursue initiating a community outreach campaign regarding bears through the local media with Carol McCall.

### *Miscellaneous:*

- ◆ Elk protocol – The panel began to discuss how to react to aggressive (and potentially aggressive) elk within the parks, as they have often hurt more people than bears or lions do. Corky, Ron, Howard, Greg, and Phil agreed to convene at a later date to work on this issue, combined with bears and lions. Greg will develop a draft “rogue” elk protocol for discussion at that meeting.
- ◆ Freshwater Spit and Backcountry management plan – The bear panel needs to anticipate bear proof equipment needs for these areas as they develop, and make sure that adequate funding is included to provide bear proof equipment as needed.
- ◆ Clean camper awards - Valarie and Phil are still working on Clean Camper awards for food storage compliance within state park campgrounds.
- ◆ Davison Ranch - What can we do for folks staying there and garbage management? Panel members were in agreement that a McClintock garbage can(s) need to be installed there if we are going to continue to allow volunteers and other to reside there, especially considering proximity to Rolf's and other private properties. This will be investigated before the next meeting.

*Next meeting:* Tentative dates for the next bear panel meeting are either February 28<sup>th</sup> or March 7<sup>th</sup>, from 9:00-12:00.

Appendix D. List of solicited funders for bear proof equipment needs during 2000.

American Express Co.  
Philanthropic Program  
World Financial Center  
200 Vesey St.  
NY, NY 10285-4803

ARCO Foundation  
515 S. Flower St. AP-50  
Los Angeles, CA 90071

Bank of America Corporate  
POB 37000 San Francisco, CA  
94137

Barbara's Bakery Inc.  
Corporate Giving.  
3900 Cypress Dr.  
Petaluma, CA 94954

James Boswell Foundation  
101 Walnut Street  
Pasadena, CA 91103

Bothin Foundation  
PO Box 29906  
San Francisco, CA 94129-0906

CS Fund  
469 Bohemian Way  
Freestone, CA 95472

Cheeryble Foundation  
C/O Manny Fleckman & Co.  
9171 Wilshire Blvd., Suite 530  
Beverly Hills, CA 90210

The Cheramy Foundation  
% Shirley J. Cheramy  
970 W. Broadway #438  
Jackson, WY 83001-9475

Chevron Foundation  
575 Market St.  
San Francisco, CA 94105-2856

Columbia Foundation  
1 Lombard St. Suite 305  
San Francisco, CA 94111

Compton Foundation, Inc.  
545 Middlefield Rd., Suite 178  
Menlo Park, CA 94025

S H Cowell Foundation  
120 Montgomery St., Suite 2570  
San Francisco, CA 94104

Mary A Crocker Trust  
233 Post St. 2<sup>nd</sup> Floor  
San Francisco, CA 94108

The Nathan Cummings Foundation  
1926 Broadway Suite 600  
New York, NY 10023

Geraldine R. Dodge Foundation  
163 Madison Avenue  
Post Office Box 1239  
Morristown, NJ 07962-1239

Exxon Corporate Contributions  
5959 Las Colinas Blvd.  
Irving, TX 75039-2298

Gabilan Foundation  
1777 Borel Pl., Suite 509  
San Mateo, CA 94402

Gap Foundation  
1 Harrison St.  
San Francisco, CA 94105

The Howard Gilman Foundation,  
111 W. 50<sup>th</sup> St., 2<sup>nd</sup> Floor  
New York, NY 10020

Joyce Mertz-Gilmore Foundation  
218 E. 18<sup>th</sup> St.  
New York, NY 10003-3694

David Gold Foundation  
Four Embarcadero Center, Suite  
3610  
San Francisco, CA 94111

Richard & Rhoda Goldman Fund  
1 Lombard St., Suite 303  
San Francisco, CA 94111

Greenville Foundation  
283 2<sup>nd</sup> St. E  
Sonoma, CA 95476

Walter & Elise Haas Foundation  
1 Lombard St., Suite 305  
San Francisco, CA 94111

James & Charlene Harvey  
Foundation  
600 Montgomery St. 24<sup>th</sup> Floor  
San Francisco, CA 94111

Heller Charitable & Educational  
Fund  
PO Box 247  
Kentfield, CA 94914

Wm & Flora Hewlitt Foundation  
525 Middlefield Rd., Suite 200  
Menlo Park, CA 94025

Hewlett-Packard Co. Philanthropic  
Grants  
3000 Hanover St.  
Palo Alto, CA 94304

Hoffman Foundation  
PO Box 907  
Concord, CA 94522

Homeland Foundation  
412 N. Pacific Coast Hwy.  
Suite 345  
Laguna Beach, CA 92651-1381

IBM Foundation  
New Orchard Rd.  
Armonk, NY 10504

Kent H Landsberg Foundation  
38445 Overview Dr.  
Temecula, CA 92592

Ludwick Family Foundation  
PO Box 1796  
Glendora, CA 91740

McBean Family Foundation  
100 California St. Room 744  
San Francisco, CA 94111

Giles W & Elise G Mead  
Foundation  
PO Box 2218  
Napa, CA 94558

Mitsubishi Motor Sales Foundation  
6400 Katella Ave.  
Cypress, CA 90630-5208

National Fish and Wildlife  
Foundation  
Southwest Region Office  
116 New Montgomery Street, Suite  
203  
San Francisco, CA 94105

Peter Newton Foundation  
PO Box 540  
St. Helena, CA 94574-5040

Grants Administrator  
Norcross Wildlife Sanctuary  
30 Peck Road  
Monson, MA 01057

Laird Norton Endowment  
Foundation  
801 Second Avenue, #1300  
Seattle, WA 98104

Oracle Corp.  
500 Oracle Parkway  
Redwood Shores, CA 94065

The Nathan M. Orbach Foundation,  
Inc.  
% Mitchell Rabbino  
26 Pearl St. P.O. Box 3539  
Kingston, NY 12401

Patricia Price Peterson Foundation  
Bank of America Center, 5<sup>th</sup> Floor,  
Suite 500  
San Francisco, CA 94104

PG&E Contributions Program  
POB 770000, Mail Code B32  
San Francisco, CA 94177

Plum Foundation  
PO Box 1613  
Studio City, CA 91604

Roberts Foundation  
PO Box 29906  
San Francisco, CA 94129-0906

Mary S Roberts Pvt. Foundation  
3400 Central Ave., Suite 325  
Riverside, CA 92506

Rockefeller Family Fund  
437 Madison Avenue, 37<sup>th</sup> floor  
New York, NY 10022

Sierra Pacific Foundation  
PO Box 496028  
Redding, CA 96049-6028

Strong Foundation  
116 New Montgomery St., Suite 532  
San Francisco, CA 94105-3607

The Sunoco Foundation  
A09, N 2<sup>nd</sup> St.  
Hartsville, SC 29550  
Surdna Foundation, Inc.  
330 Madison Ave., 30<sup>th</sup> floor  
N.Y., NY 10017-5001

Tides Foundation  
Presidio Main Post, Bldg. 37  
PO Box 29903  
San Francisco, CA 94129-0903

True North Foundation  
P.O. Box 271308  
Fort Collins, CO 80527-1308

Turner Foundation  
One CNN Center, Suite 1090-South  
Tower  
Atlanta, GA. 30303\*

Upjohn California Fund  
PO Box 90  
Carmel Valley, CA 93924

Varian Foundation  
154 Bryant St.  
Palo Alto CA 94301-1102

Warsh-Mott Legacy  
469 Bohemian Hwy.  
Freestone, CA 95472-9579

Weeden Foundation  
747 3<sup>rd</sup> Ave. 34<sup>th</sup> Floor  
New York, NY 10017

Brayton Wilbur Foundation  
320 California St., Suite 200  
San Francisco, CA 94104

Dean Witter Foundation  
57 Post St., Suite 510  
San Francisco, CA 9410