

November 17, 2006

To Whom It Concerns:

Attached is the report for the IAT funded visit by Francisco Bonilla, entomologist from Mexico, to Regions 4 and 6, in June, 2006. The purpose of Francisco’s visit was to learn about pheromone and silvicultural treatments used to mitigate bark beetle activity in high value areas. Specifically, he was to learn about the use of MCH (one-methyl-cyclo-hex-3-one) and verbenone (4,6,6-trimethylbicyclo[3.1.1]-hept-3-en-2-one) antiaggregation pheromones, carbaryl insecticide spray, and silvicultural practices (especially thinning). In addition, he was to see as much management for other forest pests as possible.

The following is the itinerary of Francisco’s visits to both the Ogden FHP office in Utah and the Sandy FHP office in Oregon.

ITINERARY:

Region 4 – Ogden Field Office

Wednesday, May 31: Francisco arrives 2:25pm from LA

Thursday, June 1: 7:30 leave from Eden to meet Colleen Keyes, (Forest Health Specialist, Utah Division of Natural Resource, Department of Fire, Forests, and State Lands) to observe carbaryl spray project and discuss management of MPB around private homes.



This was also Francisco’s first experience with lodgepole pines and MPB.

Friday, June 2: 7:30 leave to meet Jim Gibson at Kamas RD, Wasatch-Cache NF. See silvicultural treatments to minimize bark beetle activity/impacts, and discuss management objectives of landscape stands. Also visit campground treatments to protect lodgepole pines from MPB.



Saturday, June 3:
Sunday, June 4:

Drive to Yellowstone
Tour Yellowstone



Monday, June 5: 7:00 leave to see MPB treatments at Turpin Campground, Jackson RD, Bridger-Teton NF and discuss issues related to dwarf mistletoe infections at recreation sites; visit Snake River Corridor campground MPB treatments to see results of a multiple year project to remove infested trees, spray carbaryl where able, and apply verbenone near water where carbaryl is not feasible.



Tuesday, June 6: 7:30 travel through Bridger-Teton National Forest to see other campground treatments (mostly verbenone and carbaryl for MPB in lodgepole pine plus removal of infested trees) and drop off supplies to Districts.



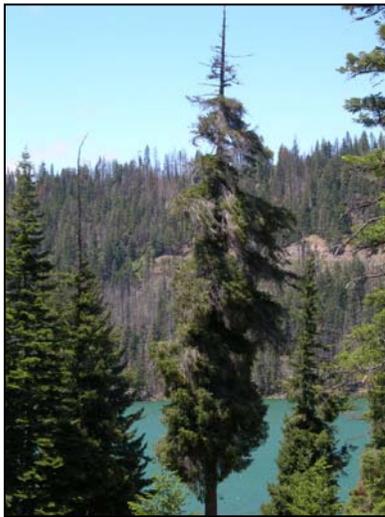
Wednesday, June 7: 8:00 leave to catch 11:11 flight to Portland, OR.

Region 6 – Sandy Field Office (Westside Forest I&D Service Center)

Wednesday, June 7: Drive to Bend, Oregon. Stop on the way at Timberline Lodge on the flanks of Mt. Hood for overview of the Mt. Hood National Forest.



Thursday, June 8: Meet with Andy Eglitis (Entomologist, Central Oregon Service Center) to visit eastside mixed conifer insect and disease sites on the Deschutes National Forest. Look at Douglas-fir mistletoe (*Arceuthobium douglasii*) pruning/MCH treatments for Douglas-fir beetle at Suttle Lake Campground; vegetation treatments (thin/burn) in dry-site mixed conifer to reduce susceptibility to insects and diseases on the Sisters Ranger District; wildfire/bark beetle/defoliator interactions and effects in the B&B fire complex; discuss landscape management strategies for forest health.



Friday, June 9: Accompanied again by Andy Eglitis, visit pine sites on the Sisters Ranger District to look at *Eucosma sonomana* biology and management in young ponderosa pine plantations; thinning treatment recommendations and effects on mountain pine beetle activity in mature lodgepole and ponderosa pine stands, discuss slash management for Ips.



Saturday, June 10: Drive to the Oregon Coast (Waldport); hike on the beach.

Sunday, June 11: Drive along the Oregon Coast and visit the Oregon Coast Aquarium in Newport before returning to Sandy.



Monday, June 12 Joined by Justina Roblero (Civil Engineer, Siuslaw National Forest), who acts as translator for this leg of the trip. Drive to Yakima, Washington (stop at Multnomah Falls along the way) to visit active western spruce budworm (*Choristoneura occidentalis*) spray project on Washington State DNR lands (eastside mixed conifer stands). Meet with Karen Ripley (Entomologist, Washington Department of Natural Resources) to discuss spray project processes, plan, and procedures; visit B.t.k. treatment areas and see insect sampling (field and lab).



Tuesday, June 13 Return to Sandy, visit Westside FID Service Center.
Wednesday, June 14 Fly from Portland, Oregon, back to Guadalajara

Francisco's visit was a successful trip over a wide area to see a variety of forest pests and management techniques. His plan is to use this information and the contacts he made to develop further management techniques for use in Mexico. The many questions Francisco asked during his visit and his thoughts about other potential management techniques to augment our activities were thought provoking; useful as we continue to develop our strategies here in the Western USA. We thoroughly enjoyed having him visit and wish him all the best as he continues his work in Mexico.

Sincerely,
/s/ Brytten Steed
Brytten Steed
Forest Entomologist
Ogden Field Office-UT

/s/ Beth Willhite
Beth Willhite
Forest Entomologist
Westside Forest I&D Service Center-OR