## Learning from PPSR Programs in Northern California: Appendix

## A. Survey Fields

- 1. What is the name of the Citizen Science/PPSR project you work with?
- 2. What organization or initiative sponsors this project?
- 3. What is your title or role with this project?
- 4. How many volunteers does your project work with annually:
  - 0-10
  - 11-25
  - 25-50
  - 51-100
  - 101-200
  - 201-500
  - 501-1,000
  - More than 1,000
- 5. How long has your project been active:
  - Less than 6 months
  - Less than 1 year
  - 1-3 years
  - 4-5 years
  - 5-10 years
  - More than 10 years
- 6. For the list below, please select the scientific activities that volunteers participate in as part of your project.
  - All/majority of volunteers
  - A small subset of volunteers
  - No volunteers
  - a. Choose or define question(s) for study
  - b. Gather information and resources
  - c. Develop explanations (hypotheses)
  - d. Design data collection methodologies
  - e. Collect samples and/or record data
  - f. Analyze samples
  - g. Analyze data
  - h. Interpret data and draw conclusions
  - i. Disseminate conclusions/ translate results into action
- 7. Describe any other notable project features or volunteer activities:
- 8. What is the scientific research purpose or environmental question your project addresses?

- 9. What kind of project evaluation or assessment, if any that you're aware of, does your project do?
- 10. Please list your project's primary goals:
- 11. In the list below are some common goals many PPSR projects have, please indicate which of these goals are important to your project, if at all:
  - Not important
  - Somewhat important
  - Not sure
  - Very important
  - Most important
  - a. Scientific research:
  - b. Youth education:
  - c. Adult education:
  - d. Conservation and/or management:
  - e. Social justice:
  - f. Environmental behaviors or other action:
  - g. Restoration:
  - h. Organization or membership development:
- 12. What project activities or strategies have been most important to your program's success?
- 13. Please briefly describe how or why you think these have been important.
- 14. What are 3 key challenges that you face in meeting your goals for citizen science work?
- 15. Please tell us 5 key organizations or people have influenced your work in citizen science/PPSR (whether they are focused on citizen science/ PPSR or not)?
- 16. Please list the kind of information you'd like to know about other citizen science programs that would be most helpful to you in your work?
- 17. What questions do you have about the impacts of citizen science that you would like to see addressed as part of a research project (educational? scientific? community-level outcomes? others?)?
- 18. Is this anything else you'd like us to consider in this study, or any of your responses you'd like to clarify?
- 19. Please provide your name and email and/or phone number\* (optional):
  - This information will NOT be passed on to any other organization and your answers to all questions will be made anonymous. We will use this information ONLY to contact you with follow-up questions and/or to let you know about later stages of this project such as phone interviews or project leader meetings.
- 20. We would like to follow-up with you to find out more about your ideas and program. Would you be willing to be contacted for a phone interview later this fall?
  - Yes
  - No

## **B.** Active Northern California Projects in the PPSR Inventory

More information about each project is accessible at

Project	Organization	Project Website
Año Nuevo and Surrounds - UC California Naturalist	UC California Naturalist	http://www.inaturalist.org/projects/a%C3%B1o-
Project		nuevo-and-surrounds-uc-california-naturalist-project
Antioch Dunes Endangered Species Survey	Antioch Dunes National Wildlife Refuge	http://www.fws.gov/sfbayrefuges/antioch/
ASC Pika Project	Adventurers & Scientists for Conservation	http://www.adventureandscience.org/pika.html;
		http://209.20.75.37/projects/asc-pika-project
Bay Area Ant Survey	Naturalist Center - California Academy of Sciences	http://www.calacademy.org/science/citizen_science
-		/ants/
Bay Area BioAtlas	Conservation Lands Network, developed by the Bay	http://www.bayarealands.org/take-
·	Area Open Space Council	action/bioatlas.php
Bay Area Early Detection Network	Bay Area Early Detection Network	http://baedn.org/
Bay Area FrogWatch	Association of Zoos & Aquariums	http://www.aza.org/frogwatch/,
		http://www.curiodyssey.org/exhibits-and-
		animals/animal-care/citizen-science
Bay Area's Most Wanted Spider	Naturalist Center - California Academy of Sciences	http://www.calacademy.org/science/citizen_science
-		/spider/
Bay Lab at Crab Cove	East Bay Regional Park District	http://www.ebparks.org/Page22.aspx
Beach COMBERS	Monterey Bay National Marine Sanctuary	http://montereybay.noaa.gov/research/bchmon.ht
-		ml
Beach Watch	Farallones Marine Sanctuary Association	http://www.farallones.org/volunteer/beach_watch.
-		htm
Behavior and Ecology of Steller's Jays	Humbolt State University	http://www.humboldt.edu/wildlife/faculty/black/re
-		search/humgoose.html
Big Chico Creek Youth Stream Team	The Stream Team / Big Chico Creek Watershed	http://www.thestreamteam.org/nodes/projects/you
	Citizen Monitoring Program	thteam.htm;
		http://www.bigchicocreek.org/nodes/projects/strea
		mteam/stream_youth_team.htm
BioCurious	BioCurious	http://biocurious.org/
Bumblee Bee Tracker	The Xerces Society	http://www.xerces.org/bumblebees/
Calflora	Calflora	http://www.calflora.org/
California King Tides Initiative	California King Tides Initiative	http://californiakingtides.org/
California Phenology Project	USA National Phenology Network	http://www.usanpn.org/cpp/

California Roadkill Observation System	Wildlifecrossing.net	http://www.wildlifecrossing.net/california/
Carneros Creek Agricultural Run-off Monitoring	Coastal Watershed Council	http://coastal-watershed.org/monitoring/alba/
Celebrate Urban Birds	Cornell Lab of Ornithology	http://www.birds.cornell.edu/celebration
Central Coast Vineyard Team	Central Coast Vineyard Team	http://www.vineyardteam.org/projects/index.php
Christmas Bird Count	Audubon Society	http://birds.audubon.org/christmas-bird-count
Citizen Weather Observer Program	Automatic Position Reporting System as a WX NETwork	http://www.wxqa.com/
COASST - Coastal Observation and Seabird Survey	University of Washington	http://depts.washington.edu/coasst/
Team		
CoCoRaHS California	Community Collaborative Rain, Hail and Snow Network (CoCoRaHS)	http://www.cocorahs.org/state.aspx?state=ca
Communities for Better Environment (CBE) Research	Communities for a Better Environment	http://www.cbecal.org/resources/why-we-research/
Team		
Community Strategies for Sustainability and Justice	Pacific Institue	http://www.pacinst.org/topics/community_strategies/index.php
Contra Costa Volunteer Creek Monitoring Program	Contra Costa Watershed Forum	http://cocowaterweb.org/get-involved/monitoring/
Coyote Creek Field Station - Landbird Project	San Francisco Bay Bird Observatory	http://www.sfbbo.org/volunteer/opportunities.php
Creek Watch	IBM Research - Almaden	http://creekwatch.researchlabs.ibm.com/
Don Edwards Bay Area NWR Special Projects	Don Edwards S.F. Bay National Wildlife Refuge	http://www.fws.gov/desfbay/volunteer.html
Don Edwards SF Bay BioBlitz	Don Edwards SF Bay National Wildlife Refuge	http://www.fws.gov/desfbay/species_inventory.htm
Earth Team	National Resource Conservation Service - California	http://www.ca.nrcs.usda.gov/features/volunteers.html
East Bay Academy for Young Scientists (EBAYS)	Lawrence Hall of Science	http://www.lawrencehallofscience.org/ays/index.ht ml
East Bay Body Burden Project	Global Community Monitor.	http://gcmonitor.org/section.php?id=255
eBird Project	California eBird	http://ebird.org/content/ca/about
Elkhorn Slough Shorebird and Waterfowl Monitoring	Elkhorn Slough Foundation and Elkhorn Slough National Estuarine Research Reserve	http://www.elkhornslough.org/volunteer/volunteer_long-term.htm; http://www.elkhornslough.org/research/bird_esner_r.htm
Fallow Field Shorebird Survey	PRBO Conservation Science	http://shorebirdscount.blogspot.com/
First Flush - Monterey Bay	Coastal Watershed Council	http://coastal-watershed.org/first-flush/
Fresno Bird Count ( FBC) project	Reconciliation Ecology Lab	http://www.fresnobirds.org/
Friends of Deer Creek	Sierra Streams Institute	http://www.friendsofdeercreek.org/volunteer.html
Friends of Sausal Creek Monitoring Teams	Friends of Sausal Creek	http://www.sausalcreek.org/volunteer/teams.html#bird

Friends of the Alameda Wildlife Refuge (FAWR)	Golden Gate Audubon Society	http://www.goldengateaudubon.org/volunteer/frie
Committee GLOBE - Global Learning and Observations to Benef	Fit CLORE	nds-of-the-alameda-wildlife-refuge/ http://globe.gov/science
the Environment	III GLOBE	http://globe.gov/science
Globe at Night Project	The National Optical Astronomy Observatory (NOAO)	http://www.globeatnight.org/index.html
Great Backyard Bird Count	National Audubon Society & Cornell Ornithology Lab	http://www.birdsource.org/gbbc/whycount.html
Great Sunflower Project	SFSU Department of Biology	http://www.greatsunflower.org
Green Hairstreak Project	Nature in the City	http://natureinthecity.org/gh.php; http://www.sfbutterfly.com/www.sfbutterfly.com/G reen_Hairstreak.html
GreenprintMaps	Greenprint Initiative - Sacramento Tree Foundation	http://www.greenprintmaps.org
Hawkwatchers & Golden Gate Raptor Monitoring	Golden Gate Raptor Observatory (GGRO)	http://www.ggro.org/public/volunteer.aspx
Healthy Watersheds Program	The Watershed Project	http://www.thewatershedproject.org/WhatWeDo/HealthyWatersheds.html
Humboldt Bay Goose Study	Humbolt State University	http://www.humboldt.edu/wildlife/faculty/black/re search/humgoose.html
iNaturalist	iNaturalist	http://www.inaturalist.org/
Insects of the San Francisco Bay Area	Bug People - The Insect Sciences Museum of California	http://isfba.bugpeople.org/sites/siteFPages.htm
Invasive Tunicate Network (iTunicate)	Plate Watch	http://platewatch.nisbase.org/
Jellywatch	Monterey Bay Aquarium	http://www.jellywatch.org/
Leatherback Watch	Turtle Island Restoration Network	http://seaturtles.org/article.php?id=2032
Livestock & Land Monitoring - Monterey Bay	Coastal Watershed Council	http://coastal-watershed.org/monitoring/livestock-land/
Living Shoreline Initiative - Oyster Monitoring & Restoration Project	The Watershed Project	http://www.thewatershedproject.org/WhatWeDo/LivingShoreLine.html
Lost Ladybug Project	The Department of Entomology at Cornell University	/ http://www.lostladybug.org/
Marine Debris Action Teams	Turtle Island Restoration Network	http://seaturtles.org/article.php?id=2329
Marine Invasions Research Lab	Smithsonian Environmental Research Center	http://www.serc.si.edu/labs/marine_invasions/MIRL _at_RTC/undaria.aspx
Missing Scenes of Nature	Your Wildlife	http://www.yourwildlife.org/projects/missing- scenes-of-nature/
Monarch Larva Monitoring Project	University of Minnesota	http://www.mlmp.org/
MPA Watch - Otter Project	Otter Project	http://www.otterproject.org/site/pp.asp?c=8pIKIYM IG&b=6065349

Nature's Notebook - National Phenology Project	National Phenology Network	http://www.usanpn.org/participate/observe
Nest Watch	Cornell Lab of Ornithology	http://watch.birds.cornell.edu/nest/home/index
North Bay Heron & Egret Project	Audubon Canyon Ranch	http://egret.org/volunteer
OakMapper	Kelly Research and Outreach Lab & Geospatial Innovation Facility (GIF) at UC Berkeley:	http://www.oakmapper.org/
Ocean Spaces	MPA Monitoring Enterprise, a project of the California Ocean Science Trust	http://oceanspaces.org
Otter Spotter	The River Otter Ecology Project	http://www.riverotterecology.org/otter-spotter- citizen-science-project.html
Pacific Flyway Shorebird Survey	Point Reyes Bird Observatory	http://www.prbo.org/cms/448
Pepperwood Preserve Stewards Program	Pepperwood Preserve	http://app.pepperwoodpreserve.org/pls/apex/f?p=5 14:11:1018435250547701
Pepperwood Vital Signs	Pepperwood Preserve	http://app.pepperwoodpreserve.org/pls/apex/f?p=5 14:20:427182351109801; http://www.inaturalist.org/projects/pepperwood- vital-signs-uc-california-naturalist-project;
Peregrine Falcon Nest Survey	Santa Cruz Predatory Bird Research Group	http://www2.ucsc.edu/scpbrg/volunteer.htm
PM (Particulate Matter) Survey	West Oakland Environmental Indicators Project	http://www.woeip.org/community-based- participatory-research/
Point Lobos and Surrounds - UC California Naturalist Project	UC California Naturalist	http://www.inaturalist.org/projects/pt-lobos-and- surrounds-uc-california-naturalist-project
Project Bud Burst	National Ecological Observatory Network	http://neoninc.org/budburst/index.php
Project Feeder Watch	Cornell Lab of Ornithology	http://www.birds.cornell.edu/pfw/
Project Noah	Networked Organisms	http://www.projectnoah.org/
Project Squirrel	Project Squirrel	http://www.projectsquirrel.org/
Project Tierra	Watsonville Wetlands Watch	http://www.citizen-science.org/www/rdPage.aspx; http://www.watsonvillewetlandswatch.org/citizen_s cience.htm
Rare Plant Treasure Hunt	California Native Plant Society	http://www.cnps.org/cnps/rareplants/treasurehunt/
Redwood Watch	Save the Redwoods League	http://rcci.savetheredwoods.org/action/redwoodwatch.shtml
Reef Check California	Reef Check	http://www.reefcheck.org/rcca/rcca_home.php; http://www.reefcheck.org/rcca/
REEF Invertebrate and Algae Monitoring Programs	Reef Environmental Education Foundation (REEF)	http://www.reef.org/programs/invertebrate
REEF Volunteer Survey Project	Reef Environmental Education Foundation (REEF)	http://reef.org/programs/volunteersurvey

River Otter Network	Otter Records Research Group, Department of Wildlife, Humboldt State University	http://www.humboldt.edu/wildlife/faculty/black/re search/otters.html
Rocky Intertidal Monitoring Project	LiMPETS (Long-term Monitoring Program and Experiential Training for Students)	http://limpetsmonitoring.org/rocky_intertidal.php
Sacramento Valley Fox Survey & the Contribution of Citizen Science to Conservation	Victoria University of Wellington, New Zealand	http://foxsurvey.ucdavis.edu/
Sagehen Creek Basin - UC California Naturalist Project	UC California Naturalist	http://www.inaturalist.org/projects/sagehen-creek-basin-uc-california-naturalist-project
Sandy Beach Monitoring Project	LiMPETS (Long-term Monitoring Program and Experiential Training for Students)	http://limpetsmonitoring.org/sandy_beach.php
Save Our Shorebirds Surveys - Mendocino	Mendocino Coast Audubon Society	http://www.mendocinocoastaudubon.org/mcas_cons.html
SEA Explorers	Sailing Education Adventures	http://www.sfsailing.org/youth-sailing-san- francisco/sea-explorers-citizen-science-sailing- marine-biology
SFBBO Waterbird Program	San Francisco Bay Bird Observatory	http://www.sfbbo.org/volunteer/opportunities.php
Shark Watch	Turtle Island Restoration Network	http://www.inaturalist.org/projects/shark-watch
Shorebird & Waterbird Monitoring on Tomales Bay	Audubon Canyon Ranch	http://egret.org/volunteer
Shorebird, Waterbird, and Invertebrate Surveys - Richardson Bay	Richardson Bay Audubon, Center & Sanctuary	http://www.tiburonaudubon.org/volunteer.html
Snapshot Day - Monterey Bay	Coastal Watershed Council	http://coastal-watershed.org/monitoring/snapshot-day/
SOD (Sudden Oak Death) Blitzes	UC Berkeley Forest Pathology Lab	http://nature.berkeley.edu/garbelotto/english/sodb litz.php
SONAR - School of Natural Resources	Mendocino High School	http://mendocinohighschool.blogspot.com/2009/01 /what-is-sonar.html
SPAWN Salmon & Creek Monitoring	Turtle Island Restoration Network	http://www.spawnusa.org/pages/page-52
Stream Team - The Big Chico Creek Watershed Citizen Monitoring Program	The Big Chico Creek Watershed Citizen Monitoring Program	http://www.thestreamteam.org/nodes/volunteer/; http://www.thestreamteam.org/nodes/projects/mo nitoring.htm; http://www.bigchicocreek.org/nodes/projects/strea mteam/index.htm
Sunol-Ohlone Wilderness Bird Nesting & Rare Plant Projects	Sunol-Ohlone Regional Wilderness	
Surfrider Water Sample Collection	Surfrider - Santa Cruz Chapter	http://www.surfridersantacruz.org/current- projects/water-testing/
Sword Ferns in the Redwood Ecosystem	Chabot Space & Science Center	http://www.chabotspace.org/c3-citizen-science.htm
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Thursday Birding: Raptor Baseline	East Bay Regional Park District	go to http://www.ebparks.org/search and search for "thursday birding" to download PDF
TraCkS - Traverse Creek Stewardship	Traverse Creek Stewardship	http://www.traversecreek.org/
Travel Trawl	5 Gyres	http://5gyres.org/get_involved/travel_trawl
Trees to Seas Camp	Coastal Watershed Council	http://coastal-watershed.org/education/watershed- ed-outreach/
Tricolored Blackbird Portal & Triennial Statewide Survey	UC Davis Information Center for the Environment (ICE)	http://tricolor.ice.ucdavis.edu/content/online-help
Turtle Watchers - Marin Municipal Water District	Marin Municipal Water District	http://marinwater.org/controller?action=menuclick &id=584
UC Davis SEEDS BioBlitz	ESA - Seeds	http://www.inaturalist.org/projects/uc-davis-seeds- bioblitz
Urban Ant Collector	AntWeb - California Academy of Science	http://www.antweb.org/antcollect.jsp
Urban Forest Map - San Francisco	Urban Forest Map	http://www.urbanforestmap.org/
Urban Watch - Monterey Bay	Coastal Watershed Council	http://coastal-watershed.org/urban-watch/
Waterbird Surveys - Richardson Bay	Richardson Bay Audubon, Center & Sanctuary	http://www.tiburonaudubon.org/volunteer.html
Weed Watcher - Martin Griffin Preserve	Audubon Canyon Ranch	http://egret.org/volunteer
Weed Watchers - Golden Gate	Golden Gate National Parks Conservancy	http://www.parksconservancy.org/get- involved/volunteer/drop-in-programs/weed- watchers.html
Weed Watchers - Marin Municipal Water District	Marin Municipal Water District	http://marinwater.org/controller?action=menuclick &id=585
West Oakland Bucket Brigade	Global Community Monitor	http://gcmonitor.org/article.php?list=type&type=99
Western Monarch Thanksgiving Count	Xerces Society	http://www.xerces.org/western-monarch- thanksgiving-count/;
Whale FM - the Whale Song Project	http://whale.scientificamerican.com/	http://whale.scientificamerican.com/
What lives on Albany Hill, Cerrito Creek, and El Cerrito Hillside Natural Area?	Friends of Five Creeks	http://www.fivecreeks.org/citizen_science/
What's Invasive	What's Invasive	http://whatsinvasive.com/
YardMap	Cornell Lab of Ornithology	http://content.yardmap.org/
Youth Winter Bird Count	Richardson Bay Audubon	http://www.tiburonaudubon.org/edu-youth- cbc.php
Yuba River Water Quality Monitoring	South Yuba River Citizens League	http://yubariver.org/river-monitoring/
ZomBee Watch	San Francisco State University Department of Biology	www.zombeewatch.org