NORTHERN CALIFORNIA CLIMATE ADAPTATION PROJECT

Focal resources identified during March 2016 workshops in Eureka and Redding

EUREKA: Focal Resources (Habitats + Species Groups/Species)

Habitat Groups/Sub-Habitats (Coarse Filter)	Species (Fine Filter)
 Northern Foredune Grassland Coastal Dune Forest Coastal Dunes Tidal Wetlands Non-tidal Wetlands Estuaries and Lagoons Coastal/Bluff Scrub 	 Raptors Beach pine Sitka spruce Grand fir Dune mat Anadromous fish (salmonids, lamprey, sturgeon) Shorebirds/Wading birds Migratory waterfowl Geophytes Amphibians (including N. Cal red-legged frog) Mountain beaver (Point Arena, others) Carnivores (bobcats, mountain lion)
 Woodland Black Oak Woodland Oregon White Oak Savanna Serpentine Mixed Conifer Woodland Non-serpentine Mixed Conifer Woodland Blue Oak Woodland 	 Permanent resident oak cavity nesting birds Native ungulates (e.g., Roosevelt elk, deer) Porcupine Band-tailed pigeon Native perennial bunchgrasses (oak savanna/mixed grasslands) Geophytes
Shrub/Grassland	 Kingsnake/Other reptiles (Rubber boa) Brush rabbit Migratory birds (chaparral/shrub steppe) Serpentine endemics Foredune rare/endangered/endemic plants
 Forest Coastal Redwood Mixed Evergreen Moist Mixed Conifer Dry Mixed Conifer True Fir Forest Subalpine 	 Port Orford cedar Serpentine cypress species Salamanders (Pacific Giant, endemic terrestrial) Marbled murrelet Northern spotted owl Marten

 Serpentine Forest North Coast Mixed Conifer Lassics Mendocino Pygmy Forest Bishop Pine 	FisherEnriched conifersNeotropical migrant birds
 Freshwater Rivers, Streams, Non-meadow Riparian Habitat Wet Meadows, Other Wetlands Headwater Seeps/Springs Lakes, Ponds Riparian Vegetation 	 Foothill yellow-legged frog Cascade frog Beaver Freshwater mussels

REDDING: Focal Resources (Habitats + Species Groups/Species)

Habitat Groups/Sub-Habitats (Coarse Filter)	Species (Fine Filter)
WoodlandOak WoodlandsWoodland/Forest Edges	 Non-game predators (mammals, raptors) Game animals (elk, deer, bear, quail, turkey) Non-timber woodland, forest products (chanterelles, pine nuts, acorns, bay laurel)
 Shrub/Grassland Chaparral (Serp + Non-Serp) Sage Steppe Alpine Grassland, Shrubland Non-Alpine Grassland 	 Pollinators, Native Bees Grassland nesting birds Chamise Chaparral post-fire species
 Forest Coastal Redwood Coastal Conifer Hardwood, Coastal Pine Forest Mixed Conifer, Ponderosa, Klamath Enriched Species True Firs Subalpine 	 Aspen Terrestrial salamanders Marbled murrelet Edge specialists (Great grey owl) Fur-bearers (Marten, Fisher) Rare trees (spruce, cedar, alpine spp., cypress, enriched conifers) Cavity nesters
 Endemic Gaps Rock Outcrops, Cliffs, Talus, Caves Special Substrates 	 Shasta huckleberry Shasta snow wreath Host-dependent invertebrates (longhorn beetle, freshwater mussels, cypress affiliates)

	Water howellia
 Freshwater Rivers, Streams, Floodplain Riparian Vegetation Lakes Marshes, Vernal Pools Seeps, Springs, Groundwater, Fens 	 Riparian nesting birds Red bat Salmonids Other anadromous (lamprey) Warm-water native residents (sucker, hardhead) Cottonwood Beaver

Ecosystem Service	Habitat Group
Provisioning Services	
Food	Freshwater, Forest, Woodland, Coastal, Grassland/Shrubland, Endemic
Fiber/Forest Products	Woodland, Forest, Coastal, Freshwater
Fuel	Woodland, Forest
Genetic resources	Woodland, Grassland/Shrubland, Forest, Endemic, Freshwater
Biochemicals & natural medicines	Forest, Freshwater
Ornamental resources	Woodland, Coastal, Grassland, Forest
Fresh water	Freshwater, Forest
Cultural Services	
Spiritual & religious values	Woodland, Freshwater, Coastal, Grassland, Forest, Endemic
Knowledge systems	Coastal, Grassland, Forest, Freshwater
Educational values	Coastal, Grassland, Forest, Freshwater
Inspiration	Freshwater, Coastal, Grassland, Forest
Aesthetic values	Freshwater, Woodland, Coastal, Grassland, Forest, Endemic
Social relations	Coastal, Grassland, Forest, Freshwater

Freshwater, Woodland, Coastal, Grassland, Forest		
Freshwater, Woodland, Forest, Coastal, Grassland/Shrubland, Endemic		
Freshwater, Woodland, Coastal, Grassland/Shrubland, Forest		
Supporting Services		
Coastal, Grassland		
Forest		
Forest, Woodland, Grassland/Shrubland, Endemic		
Forest, Woodland, Coastal, Freshwater		
Forest, Endemic, Freshwater		
Regulating Services		
Forest, Woodland, Coastal, Grassland/Shrubland		
Freshwater, Forest, Coastal, Grassland, Endemic		
Freshwater, Woodland, Coastal, Grassland/Shrubland, Forest		
Forest, Coastal, Freshwater		
Freshwater		
Forest, Coastal, Grassland/Shrubland, Endemic, Freshwater		
Woodland (fire), Coastal (SLR), Grassland/Shrubland (fire), Freshwater		
Forest		