## PLANNING FOR SPECIES ADAPTATION AND CLIMATE RESILIENCE IN CALIFORNIA'S PRIMARY SOURCE HEADWATERS

## FINAL REPORT FOR WCB GRANT WC-1835JG

### THE PACIFIC FOREST TRUST

Project leads: James Thorne, PhD. and Ryan Boynton, University of California, Davis; Laurie Wayburn, PFT; Dean L. Urban, PhD, Duke University

Thorne J. H., R. M. Boynton, L. Wayburn, and D. L. Urban. 2020. Planning for Species Adaptation and Climate Resilience in California's Primary Source Headwaters. Pacific Forest Trust. San Francisco, CA.

## Table of Contents

Introduction – pg. 1 Regional Assessments & Use Cases – pg. 7 Methods – pg. 27 References – pg. 35 Methods Appendix – pg. 37 Results Table Appendices (Excel tables, separate files) – electronic attachments GIS Appendices (2 GIS files) – electronic attachments

### Introduction and Summary: the purpose and context of this project

The 7-million-acre Sacramento River Headwaters Region, and its surrounding 3-millionacre buffer zone, has an extraordinarily important role for biodiversity as well as water supply in California. Delineated by three mountain ranges (the northern Sierra, southern Cascade and Klamath-Trinity) it has a widely varied topography, range of soil types and geology that support an extraordinarily wide variety of plants and habitats. The region contains over 80% of California's natural habitat types and hosts over 60% of its vertebrate species, 62 of which are imperiled. One of 33 globally recognised biodiversity "hot spots", it is also the source of the vast majority of California's utilized water, supplying the largest reservoirs which are the backbone of the state water system.

Many species and habitats are already under assault in California due to habitat loss, cover type and land use conversion and habitat degradation. Climate change is clearly exacerbating this trend. This region has more intact habitats than most in California, and presents more opportunity to stem habitat loss and reverse degradation, due to its relatively lower human settlement footprint and population. Meta-analyses show that this region has remained cooler and wetter than the rest of the state over the past 100-125 years, providing a reliable context for consistent habitat function. With such a major role in supporting California's biodiversity, the focus of this project was to evaluate how persistent this habitat service might be in the future 100 years as climate change intensifies.

We utilized the two more plausible Representative Concentration Pathway (RCP) climate change scenarios, the RPC 4.5 and the RPC 8.5, and modelled these under both of the two leading global climate change models: the MIROC—which projects a warmer and drier future~ and the CRNM—which projects a wetter and warmer future—downscaled to California. Our project identified where the models agree that conditions supporting refugia—and connecting corridors/safe passage to them~ will be 2040, 2070 and 2100. Specifically, we identified where there was a consensus outcome of both models identifying where temperature and precipitation regimes would continue to support the natural habitats—and the amazing array of biodiversity they contain-currently existing in the region. These are critical areas for conservation and restoration, as they will likely continue to support current habitats even under climate change.

Additionally, we identified where exposure to precipitation and temperature changes was relatively more moderate, and thus these areas have a strong potential for being able to be resilient under climate change, especially if these areas had been managed to have more natural resilience. These also have high value for conservation and restoration, as they may serve as buffers and risk mitigation allowing more opportunity for species to survive.

Finally, we identified those areas where the projected changes in precipitation and temperature will cause environmental stress so great as to likely no longer support the existing habitats, and thus the biodiversity they support. These areas may have high value for conservation for a variety of reasons, but the habitats they support currently are not projected to persist.

The overall trajectory of climate change impacts under our present pattern is indeed grim; for example, models project the virtual disappearance of some key habitat types such as wet meadows in the region by 2100. Yet the analysis also illustrated ways in which our actions in the nearer term can change that trajectory, as well as buffer the likely impacts of climate change. Importantly, we identified that the region will likely support almost 5 million acres of consensus refugia, with an additional 1.5 million acres of probable or possible refugia under moderate stress, by 2040. A clear focus on conserving and restoring the private ownerships in these areas, as well as a focus on restoration in the public lands therein, will greatly enhance the likelihood of habitat persistence and species survival. Tables containing all the data on likely persistence over the three time periods analysed (2040, 2070 and 2100) as compared to the present, by habitat type and ownership, are included Appendices.

Amongst the takeaways of particular note in the project are the following:

- 1) Under the RCP 8.5 scenario, we stand to lose twice as much of our current habitat area as under the RCP 4.5 scenario. We are currently on or exceeding the 8.5 scenario. A key way to reduce emissions is through land conservation and restoration, especially in forest types. Dominated as it is by forest habitat, and with much of the privately owned forest quite young relative to its natural age range and thus under its natural carbon sequestration capacity, the region is a potentially very strategic one for biodiversity conservation, increased forest carbon sequestration, and reducing the probability of continuing on the 8.5 scenario.
- 2) There is significant checkerboarded ownership in the region between federal and private lands. Conserving and restoring private lands will be key in ensuring these habitats persist functionally across the landscape overall. It is also essential to ensuring that there are viable connections to and from refugia on public lands, especially those in lower elevations and with high productivity and water resources, where private ownership is more prevalent. Species are already moving upslope from the Central Valley to this region.
- 3) While this region overall shows a higher likelihood of persistent habitats on the landscape as contrasted with the state writ large, two watersheds within it really stand out as critical refugia: the Upper Trinity and McCloud watersheds. Higher elevation areas within the Pit, Feather and Upper Sacramento watersheds are also significant refugia. Additionally there are key north-south corridor regions and areas that are identified as particularly valuable as connectors to those refugia. These include from the northern extent of the Central Valley into the Upper Trinity, Sacramento and McCloud watersheds, and east west from the Warner Mountains across to the Siskiyou Crest, Mt Shasta and the Upper Trinity and McCloud watersheds, as well as upslope west east movement from the Central Valley into the Sierra.
- 4) The project identifies the critical role of "microrefugia", smaller scale areas that tend to be cooler because of their topographic positions. These microrefugia have persistent habitat conditions over time within larger landscapes that will likely no longer support those habitats, essentially providing buffering capacity under climate change. Conserving these as

spatial stepping stones to larger refugia within and across less hospitable landscapes will be a valuable conservation strategy. The project allows identification of temporal "refugia" that may shrink or potentially disappear by end century, but will be key in the nearer term decades.

5) Actions in the region for enduring species adaptation and climate resilience meet multiple state goals. Conserving and restoring those areas which rank as refugia and lower/moderate exposure regions today will meet multiple state goals in addition to those identified in the state Wildlife Action Plan and Adaptation Plan. Doing so would have an enduring impact for Governor's Executive Order N-82-20, the "30x30". As this region includes much of the state's most productive conifer forest and forest carbon sink, this would also increase the state's chances of meeting its goals of being carbon neutral by 2045. The same actions that promote and retain resilient habitat will have a positive impact for water, extending release times for cold water in the summer months, increasing retention time during major precipitation events and increasing overall inflow as well as natural storage by hundreds of thousands of acre feet of water. These also reduce threats of catastrophic wildfire and increase net resilient carbon sequestration, amplifying the social and economic benefits of these actions further.

The project has a wide variety of applications for land managers in addition to those managing for species survival. Potential end-users include land owners and managers, land use planners, county, regional, state and federal natural resource decision-makers. A series of "use cases" are included in the report illustrating some of these applications. As the first climate change analysis that includes the impact of the intensity of climate change that a habitat is exposed to across the landscape, and with the analysis scaled down to units of 25 acres, the results are useful both on a specific property and to assess that property's habitat & biodiversity role in the larger landscape over time as well as space. This is directly applicable in developing conservation, restoration and management plans over the next several decades.

In addition to the use cases described in the report developed at the region-wide scale, PFT is currently applying this analysis and decision support tool within the region on a specific 11,000acre property to assess key management and conservation actions, integrating property specific data. Factors we are assessing include:

- the long-term refugia role the property can play and for which species
- the likely long-term value of wet meadow restoration to historic natural extent;

• the role the property may play as a "receiving site" for specific species moving with climate change, and

• the potential to reestablish enduring functional connectivity over time within forest habitats of the property that currently show as not serving that function but provide bridges to refugia outside as well as within the property.

This analysis will aid significantly in planning for the management and conservation actions on that property, and as a template for further use.

While the project has been completed with data sets that cover the entire area, it can be customized with more specific site data, as it will be for the application noted above, which extends the applicability, and increases the fine grain of the tool. Additionally, the analysis could be extended to other regions of the state, enabling a statewide picture and allowing for broader planning for species migration.

# **Regional Assessments**

We combined maps to identify priority areas for a range of land management objectives. The three top-level maps are: Climate refugia and areas of expected high climate stress; Landscape and climate connectivity; and potential terrestrial species richness. We also incorporated regional metrics for climate microrefugia, vegetation structure, land use intensity, and species distribution models for analyses targeting different management objectives. In turn these maps were built upon a set of input maps detailed in the methods, but including California state's vegetation map (CAL FIRE 2015), a 10 m digital elevation map, land tenure, climate data, fire metrics and hydroclimatic variables from the Basin Characterization Model (BCM; Flint & flint 2012; Flint et al. 2013; Thorne et al. 2015).

This results section features 2 categories of results – overall selection of areas in response to the 3 primary maps, and a series of use cases, demonstrating how different combinations of the assembled data can be used to address different land management questions.

The GIS layers compiled for this effort will be available in the form of 2 geodatabases, called "Hexagon Data" and "Input Data", and associated documentation that will be delivered to the Wildlife Conservation Board for further use. The structure of the GIS is intended to permit others to use the outputs to assess the regional context for both site-specific and watershedscale climate change adaptation and mitigation planning and projects.

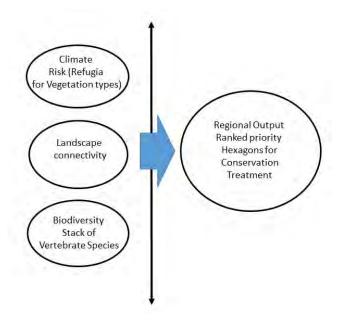
Because tables associated with the results are voluminous, we cite tables in the text as digital appendices. The appendices are a series of excel tables, most with multiple tabs. Each Excel Table has a Read Me tab, and each tab has the equivalent of a short caption listed at the top of the its page. There are 4 Digital Table Appendices:

- Climate Refugia Appendix Table 1
- WHR and Climate Exposure Appendix Table 2
- Connectivity and Climate Exposure, Appendix Table 3
- Potential Species Richness and Climate Exposure, Appendix Table 4

Finally, methods are provided in two places. The primary descriptions of analyses are in a methods section in this main body of the report, after the results. Those are further supported by a Methods appendix. These two sections follow the same data sequence, and can be related to the GIS files.

# 1) Regional Assessment Results

The overall rankings combine maps of end-century climate refugia based on vegetation types with high priority areas for landscape connectivity and high potential species richness to derive relative rankings for each of the >408,945 hexagons.

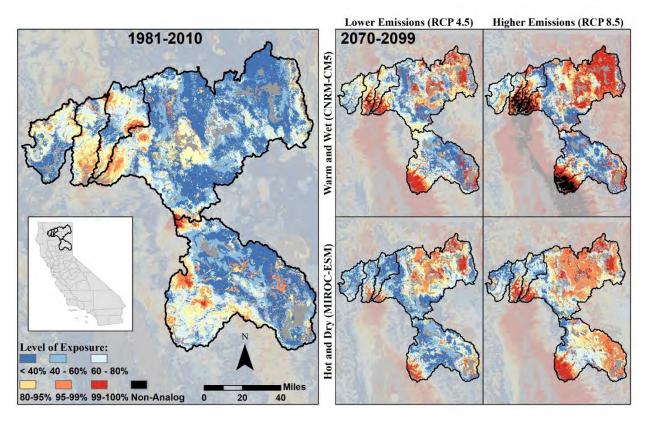


We identified climate refugia and areas of high climate stress across the region. Both biodiversity and connectivity were mapped across the entire region. These two were each ranked from 1 - 5, with higher numbers indicating either greater species richness or more critical linkages.

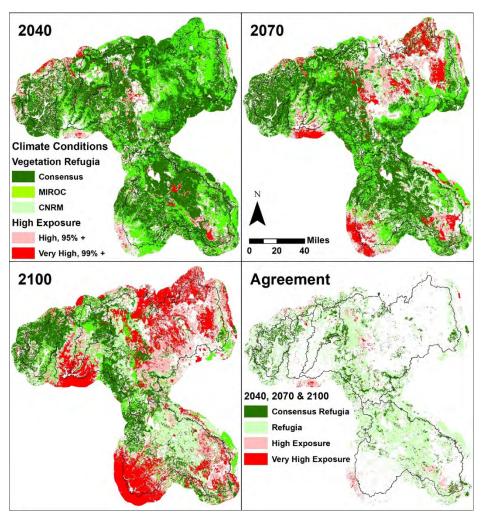
These three metrics can be combined in various ways to highlight different parts of the landscape.

# Vegetation Refugia / Climate Exposure

We used a place-based climate exposure method that identifies the relative level of climatic stress across all locations of each vegetation type found in the state (Thorne et al. 2016, 2017). The level of exposure in current time (we used a baseline of 1980-2010), is then used as a classification to identify future levels of stress for the vegetation, without predicating where a vegetation type might move to. The image below shows how climatic stress is expected to change for the SRHR by the end of century under a wetter and a drier future climate projection. The column on the right shows future exposure under current rates of emissions (RCP8.5), while the left column shows future exposure if lower, near-Paris accord rates of emissions are achieved (RCP4.5). Blue areas are where the current vegetation remains in climatic conditions that it currently occupies up to 80% of the time, and are considered not-stressful. Orange and red areas are climates that the vegetation currently occupies only 5% of the time, while black areas represent future climates that do not currently occur in California (Non-analog).



Consensus refugia are areas that are expected to remain climatically suitable for existing vegetation under both the wetter and the drier future (Thorne et al. 2020), and are the areas where we have the highest confidence that existing vegetation could be managed for retention. Consensus refugia make up 49% of the SRHR by 2040, 37% by 2070, and 19% by 2100. The consensus refugia areas that overlap in the 3 time periods occupy 706,000 acres, 7.5% of the region (Climate Refugia Appendix Table 1). The shifting location of consensus refugia suggests that a stepping stone approach for movement of populations of some species across the landscape may be a good strategy. However, some areas are consensus refugia in all three time periods, as shown in the 'Agreement' panel in the image below. The Agreement consensus refugia comprise 759,307 acres (7.6% of the SRHR) under RCP8.5, and 2,527,218 acres (24.4%) under RCP4.5. The difference is one of the largest indications of the urgency of reducing global emissions that emerged from this work.

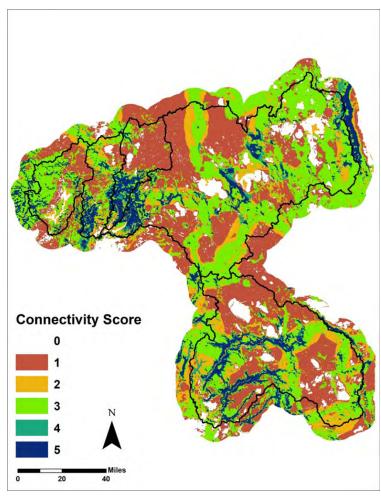


The SRHR contains 49 CWHR landcover types, including 35 natural terrestrial vegetation types that are the focus of this paragraph (WHR and Climate Exposure Appendix Table 2). Among these, the five retaining the greatest extent in consensus refugia are: Sierran Mixed Conifer, Montane Chaparral, Klamath Mixed Conifer, Ponderosa Pine, and Douglas fir (descending order). Among the types with the greatest areas in high endcentury exposure are: Eastside Pine, Low Sage, Sierran Mixed Conifer, Montane

Hardwood, and Sagebrush. In some cases, types with relatively limited extent, either within the region or across the state, but that have significant habitat value appear highly exposed, including those with >90% high-to-very-high end century exposure: Alpine Dwarf Scrub, Chamise-Redshank Chaparral, Freshwater Emergent Wetland, Bitterbrush, Valley Oak Woodland, Blue Oak woodland, & Low Sage. Two types that we considered to be misclassified in the region, with very limited extents, had 100% high exposure by end century, Coastal Oak Woodland, and Coastal Scrub. Some types have relatively higher proportion within end-century consensus refugia, including Montane Riparian (80%), Montane Chaparral (64%) and Klamath Mixed Conifer (56%). Wet Meadows, an important landscape feature of limited extent show 31% in high exposure and 1% in consensus refugia by end century. The 59% in moderate levels of exposure suggest that there may be opportunities to increase the resilience of this type. A similar finding is true for Red Fir, which has 17% in high exposure and 2% in consensus refugia, meaning about 81% of its 323,261 acres may be suitable for some treatments to increase resilience.

# **Connectivity & Climate Risk**

Landscape connectivity is essential for species movement, and that need is amplified as land use and climate change further disrupts the natural patterns of vegetation (Keeley et al. 2021). Natural resource managers and transportation planners need standardized measures of connectivity for their planning purposes. We reviewed connectivity models for the region, and selected two models that cover the entire region. A number of species-specific models, such as for fisher and martin, were not included because they did not cover the entire region. Those are candidates for use in conjunction with what is presented here. We used the California Essential Habitat connectivity (CEHC) model that estimates connectivity in for current time, and an Omniscape-based model produced by The Nature Conservancy, that links analog climates through time. We combined these models (Methods) and ranked the landscape from 0-5 as a



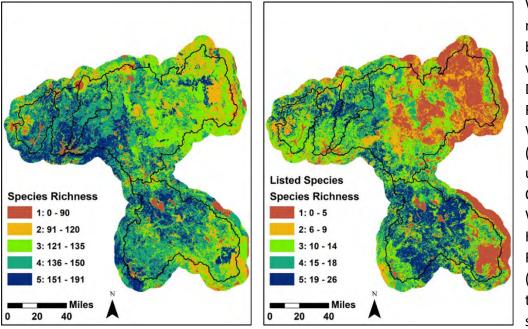
rough measure of connectivity importance with the majority value in hexagon assigned to that hexagon. About 8% of the region has the highest connectivity ranking. Much of these lands also prove to terminate in end-century climate refugia.

		Acres	%
	5	826,067	8.31
	4	322,793	3.25
Connectivity	3	3,302,900	33.21
Ranking	2	1,270,580	12.78
	1	3,352,438	33.71
	0	871,030	8.76
	Total:	9,945,808	

In 2040, 53% of the highest ranking connectivity is in consensus refugia and 5% is consensus highly exposed. However, by end-century, 15% of the highest priority connectivity ranking is in consensus refugia, 6% is in consensus moderate exposure, and 24% is in consensus high climate

exposure (Connectivity and Climate Exposure, Appendix Table 3). The decline in high-ranked connectivity areas in consensus refugia points to the need to maintain sufficient traversable space to permit access to refugia, which in some cases will call for a stepping stone approach (Albert et al. 2017).

## **Biodiversity / Species Richness**



We aligned our models of biodiversity with California Department of Fish and Wildlife (CDFW) that uses the California Wildlife Habitat Relationship (CWHR) model to identify suitable

habitats for each terrestrial vertebrate in the state, and also has a range map for each species. Using the state's 30 m resolution map for CWHR types (FVeg:

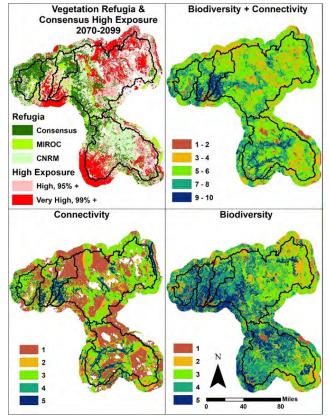
https://frap.fire.ca.gov/mapping/gis-data/), we mapped the suitable range for all vertebrates whose range covers any of the SRHR. We then added all species on a per grid cell basis and identified the mean potential species richness for each hexagon. We identified 417 species and 62 listed species to be potentially present in the region.

About 71% of the current extent of highest ranked potential species richness areas are in refugia zones in the baseline time period. Consensus refugia, only measurable in future conditions, contain 47% of current highest species richness areas by 2040, declining to 45% by 2070, and 25% by end-century. There is a corresponding increase in rank 5 species richness area under consensus climatic stress, from 4% by 2040, to 13% by 2070 and 21% by end-century (Potential Biodiversity and Climate Exposure, Appendix Table 4).

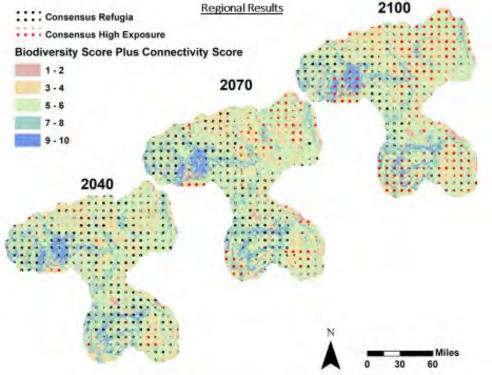
## **Climate, Connectivity & Biodiversity**

We combined the connectivity and species richness scores to rank the landscape into 5 levels. The summary layer provides a rough view of relative weighting among the hexagons of the region.

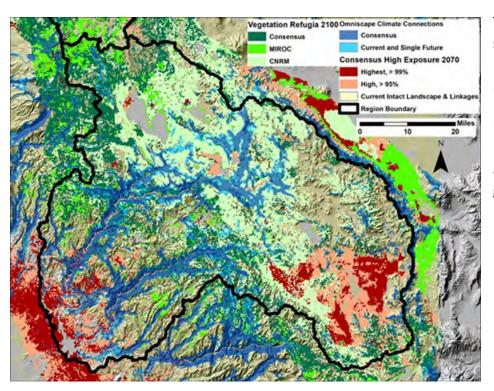
We then overlaid the consensus refugia and consensus high exposure areas as dots over the resulting map. The sequence of time shows the increasing spread of high climate exposure and is informative with regards to potential stressors on the underlying landscape. Areas in blue are highly ranked for both potential species richness and connectivity. Blue areas in the Trinity watershed show relative stability, with consensus refugia remaining in the area. However, the large blue area that lies around Lake Shasta has a different



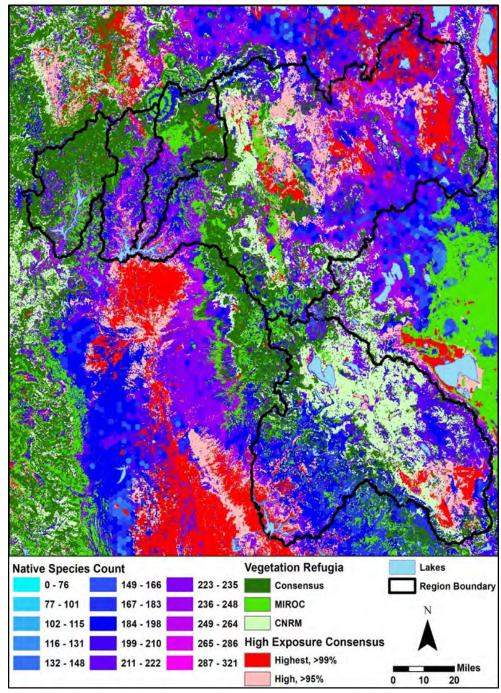
pattern. It starts with extensive refugia coverage, but by 2100, most of the highest-ranked area is under high climate exposure. Note however, that the largest consensus refugia zone in the SRHR lies in a horseshoe shape around the currently highly ranked zone. This suggests there



may be suitable areas that species could move towards, out of the high potential species richness and connectivity areas, over the next 80 years. A somewhat similar pattern can be seen in the Feather River watershed to the east, where high-ranking connectivity follows the branches of the river. Much of the blues areas remain in consensus refugia condition to 2070, but by 2100, most of the refugia has disappeared. The northern central part of the watershed is not dotted in 2100, suggesting that although not a consensus refugia, the area may be somewhat amenable to current habitats and species.



The image to the left shows how climatic pressure areas in 2070 (reds) might provide some landscape level impetus to refugia areas in 2100 (in green). Similarly, an impetus for movement can be seen in this detail around Lake Shasta. In this case the red-to-purple hexagons are CDFW's ACE III measures of species richness (\*\*), with purple areas showing high levels of species richness. Overlaid on their map are the 2100 measures for

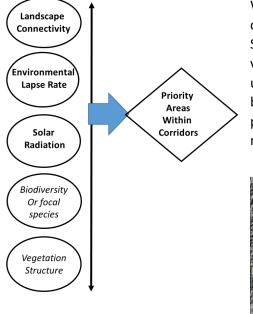


consensus high exposure areas (dark red) and consensus refugia areas (dark green). This again illustrates the potential for species to have to move from lower elevations around the edges of the central valley to higher ground. Indeed, this is already occurring with neotropical songbirds in our region, which are declining below 1515 m but increasing above this elevation, based on monitoring over the past 14 years (Furnas et al. 2020).

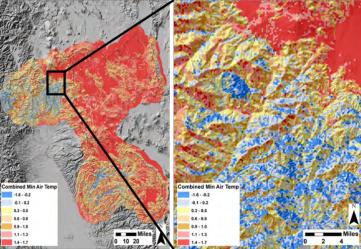
### Microrefugia

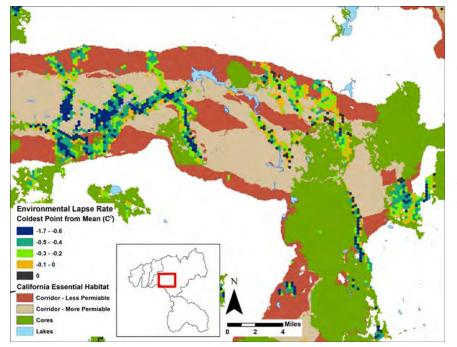
We defined microrefugia as areas that due to topographic position can retain cooler temperatures longer than the surrounding landscape. We calculated the thermal buffering capacity of all hexagons in the region by calculating the level their range of air temperatures associated with environmental lapse rate, and the level of open-air warming that solar radiation will cause, as derived from transfer functions developed for a study that included parts of our region (Curtis et al. 2014). The value of a hexagon-based portrayal of microrefugia is that it permits a local assessment of when the mean conditions that plants may be adapted to within a hexagon will disappear from that hexagon. Until that happens, local populations might be able to shift within the 25 acres and still find the same mean temperatures.

Both these values were calculated from a 10 m digital elevation model, which provided 900 values within each 25 acre hexagon. We took the mean elevation in each hexagon, and assigned the mean annual air temperature values calculated from our 1980-2010 baseline climate as the temperature at mean elevation of each hexagon. Elevations that were higher, had cooler temperatures, within the hex, and areas that were lower had warmer temperatures (Methods). The benefit of linking each hexagon to current temperatures is that it allows future warming, and the buffering microrefugia provide against such warming to be explicit.



We found that the across the region, the maximum cooling capacity within a hexagon was -1.62 °C, found in the upper Sacramento Watershed, a rock outcrop. The first hexagon with vegetation is -1.47 °C with cover type Subalpine Conifer, in the upper Trinity Watershed. Across the region, 112 hexagons have a buffer equal to or greater than 1 °C. Solar radiation never produces a negative value, and reduced the cooling capacity of many hexagons, particularly in the Modoc plateau region.

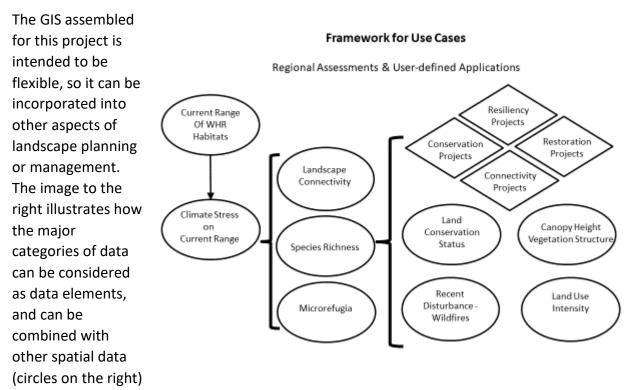




We can use the thermal buffering capacity of microrefugia to identify areas within landscape connectivity zones that will retain their mean baseline temperature the longest as the climate warms.

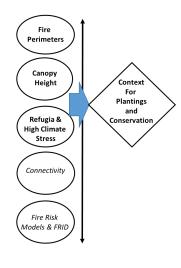
In the image on the left, a corridor in the Pit River watershed shows the hexagons for the two highest connectivity ranks (4 & 5). The hexagons are colored according to their buffering capacity. Note that our climate maps also capture cold air pooling dynamics, but they appear to seasonally and topographically dependent, so a single buffering value may not accurately portray what benefits they may provide, and we did not include a spatially explicit measure of their potential benefits under climate change.

# 2) Use Cases

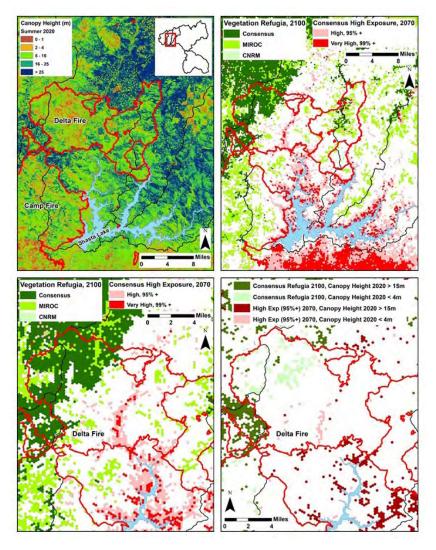


in various sequences to provide context for a range of objectives, examples of which are shown in the diamonds. While conservation planning may seek optimal solutions, in this study we recognized that different groups in the region may have differing objectives, and the flexibility to combine the results in different ways may provide a more accessible framework for general utility. Each of the examples below can be rendered as spatially explicit maps with associated area metrics. However, we show them in graphic form only, for brevity's sake.

# **Vegetation Structure and Wildfire**



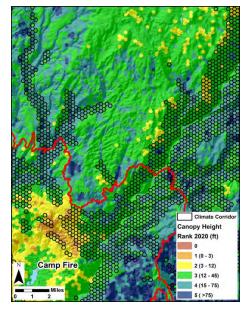
Wildfire ignitions and severity are amplified by climate change. In addition to overstocking of forest stands, this has led to communities and agencies trying to reduce risk through forest thinning, prescribed burns and improved land management, and to deploying post-fire recovery strategies that includes modified reforestation methods. Incorporating long-term perspectives of climate risk can help inform selection of strategies for these goals. We combined wildfire perimeters with measures of canopy height and climate stress to identify potential areas with different post-wildfire optimal strategies.



The 2018 Delta fire provides an example combining the data to identify different strategies. The upper left map shows the perimeter of the fire with canopy height as measured from summer 2020, using data from the California Forest Observatory (2020). The upper right shows the hexagons that are classes as consensus refugia and high climate stress areas by 2070. By zooming in (lower left) we see the areas within the fire footprint with the same climate exposures. The lower right image shows the climate classes now colorized by seral conditions. Several hexagons appear in dark green within the fire perimeter. These are areas predicted as climate refugia, and that have canopies >15 m. These locations could serve as seed trees or sources of natural reseeding. Areas in pale green are expected to remain climatically suitable for what was there prior to the fire, but that

are in the process of early recovery. These are locations with higher potential for successful reforestation, by these metrics. Areas in bright red have copies > 15 m but are predicted to have climate stress, while areas in pale red have early seral conditions and are expected to have high climate stress, indicating they may be poorer candidates for reforestation.

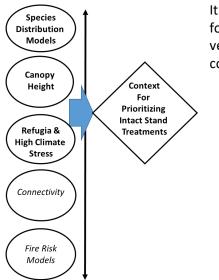




One more example using wildfire perimeters comes from the Camp fire of 2019. In this case the reforestation planning is underway. Here we display vegetation canopy height from 2020, the fire perimeter, and outlined as hollow hexagons, the areas with the highest regional rank for connectivity. Plantings that target forest recovery can use their site locations to additionally consider if a planting will enhance regional connectivity.

Other data that could be used to further define areas includes landscape connectivity and models of potential risk such as the Fire Return Interval Departure (FRID; Safford & Van de Water 2014), models of potential annual tree mortality and, maps of fire severity zones and fire threat, and the locations of areas that have been treated to reduce fuel loads.

#### **Forest Dynamics & Conservation**



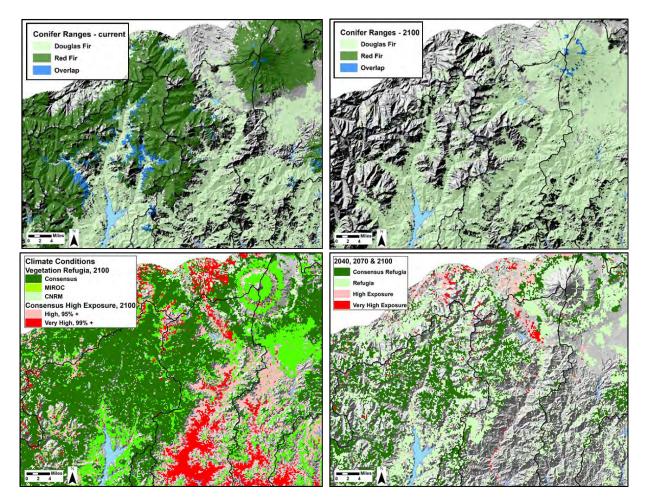
It is impractical to only plan the movement of species and habitats for logistical and other reasons. In addition, preserving existing vegetation, ecosystem functions, and habitats is a major conservation goal.

Forest management at the stand level can promote preservation, particularly when informed by climate change assessments. This use case focuses on two component tree species that make up important conifer forest types in the SRHR: Douglas fir (*Pseudotsuga menziesii*) and red fir (*Abies magnifica*).

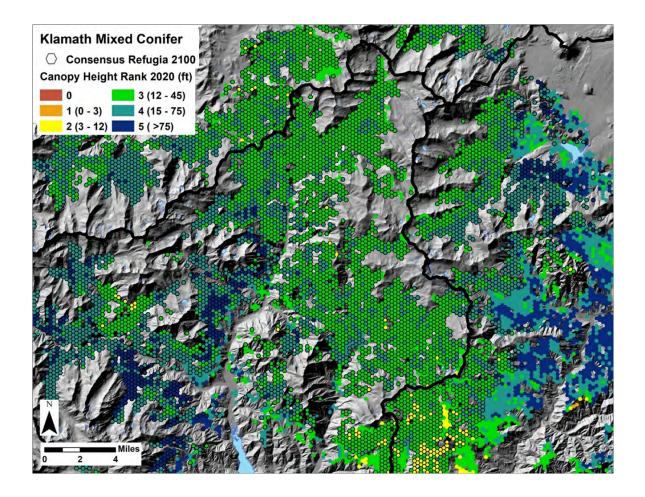
For this example, we used species distribution models, canopy height, and climate exposure to provide spatial context to identify priority areas for forest thinning treatments. The regional connectivity and fire risk models could also be brought into use to further stratify area selections.

The time series of the potential range for Douglas and red fir shows the potential for Douglas fir to move upslope, and the increasing retreat of red fir's current distribution under the hotter and drier GCM tested (upper row, image below).

However, the place-based climate exposure projections (lower row, image below) suggest a large area of consensus refugia in the region. These areas are potential areas where current forests could persist, if protected from stand-replacing disturbances. We can also consider which areas are refugia in each of the three future time periods (lower right panel image).



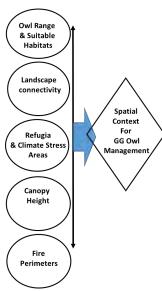
We used canopy height to examine the mixed conifer forest in this region, which includes Douglas fir, considering whether it occurs in consensus refugia areas or not. This map shows the extent of the type, colorized according to canopy height in 2019. Refugia areas are outlined by the 25 acre hexagon boundaries, while non-outlined areas are not refugia. Areas in the tallest height class are possibly areas with less accumulated fuels, if they have late seral structure. Areas in ranks 3 & 4, from 12-75 feet tall, are candidate areas for management to promote late seral condition. Areas in yellow are early seral stands that may be recovering from recent fires. These may be areas in which successful establishment of conifer tree species could offer long-term forest stands.



### **Focal Species**

Planning for conservation or recovery of individual species has long been practice for biologists and is an integral part of the regulatory process for both federal and state agencies. This use case demonstrates how a focal species approach can use the data matrix. We selected the great grey owl (*Strix nebulosi*). This species uses late seral condition coniferous forests and wet meadows. It appears to have short-term resilience to wildfires, as it continued to occupy most meadow sites after the Rim Fire (Siegel et al. 2019). There are between 100-200 pairs in the state.



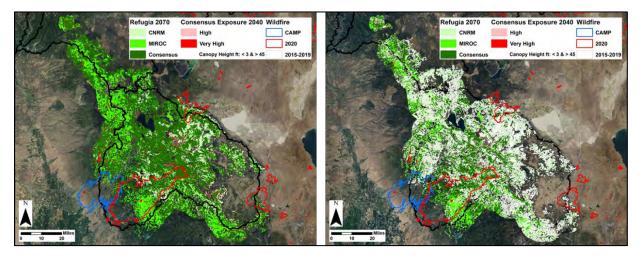


We used the CWHR range map and model to identify the suitable habitats for great grey owl in the SRHR. We examined how the potential range intersected with landscape connectivity, climate refugia, the area of recent wildfires, and measures of canopy height.

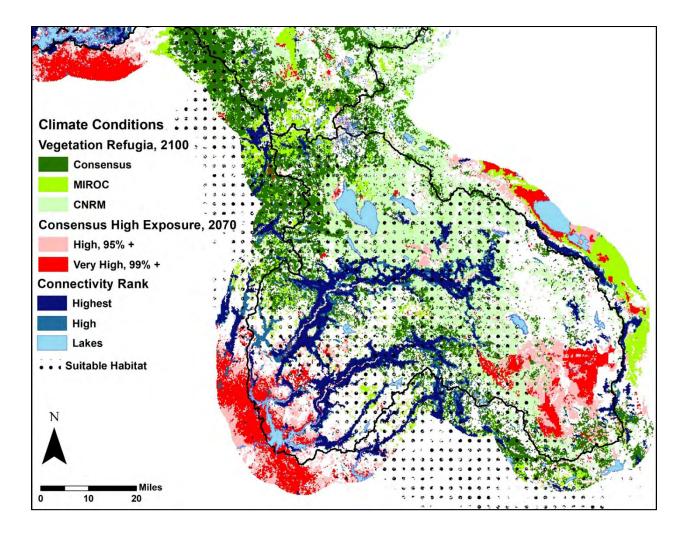
We found suitable habitat in the Feather River watershed, and 816,100 acres of it is in mid-century consensus refugia, decreasing by end century to 230,215 acres. When considering vegetation structure, consensus refugia area within the owl's range with trees over 45 feet tall total 345,775 acres by 2070 decreasing to 80,925 acres by 2100. This analysis excluded younger conifer stands (<45 feet) that could be managed for late seral condition, particularly if they are in consensus refugia areas.

Of those, 2000 acres are remnant stands over 45 feet tall in 2070 consensus refugia, but that decreases to no >45 ft stands by end century. Additionally, within the Feather River watershed consensus refugia for

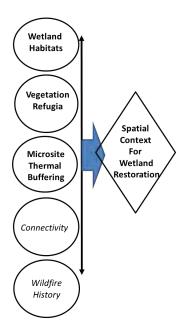
2070, 55,250 acres of canopy >45 ft occurred within the 2020 Claremont-Bear Fire (the largest part of the North Complex Fire). The canopy height data we used predated the North Complex fire, but the analysis could be updated when the next edition of the forest canopy data is released.



We also examined the ranked connectivity for the region. A number of high-ranking corridors pass through the range of the owl. By 2070, considerable climatic stress in the elevations around Lake Oroville suggest that there may be extensive species movement along these corridors. Selecting areas within them to strengthen site resilience may prove to be a good bet.



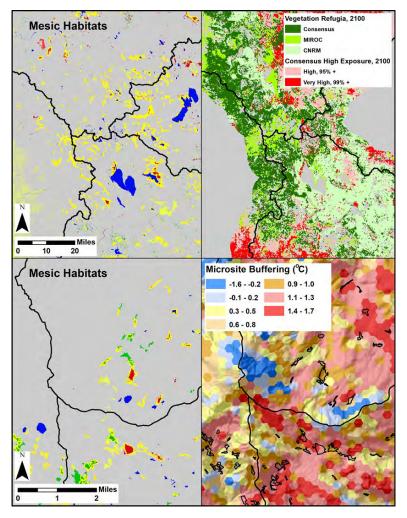
### Targeting habitats for water retention

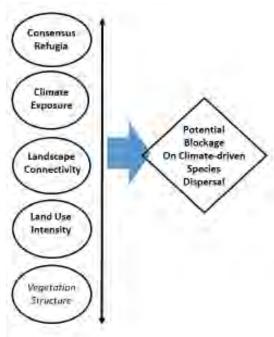


Maintaining hydrological functions is a major issue as climate change progresses, and riparian conservation and restoration is already widely practiced in the SRHR, with the Pacific Forest Trust having conserved 4209 acres in the SRHR region.

However, as snowpack declines with climate change, changes in the hydrology of the SRHR is of increasing concern. Some areas, such as the Modoc National Wildlife Refuge are already incorporating climate change projections into their water management strategies (Esralew et al. 2015). And, the volcanic soils of the Modoc Plateau may be able to provide infiltration functions for ground water for longer in each year before freezing (Thorne et al. 2015).

In this example we look at mapped wet meadows and other mesic habitats. We overlaid them with the consensus refugia maps for the area between the Feather and the Pit rivers. The panel image shows their locations and the corresponding refugia (upper row). We then zoomed in and examined the distribution of the mesic features and how they relate to thermal buffering capacity within each hexagon (lower row).

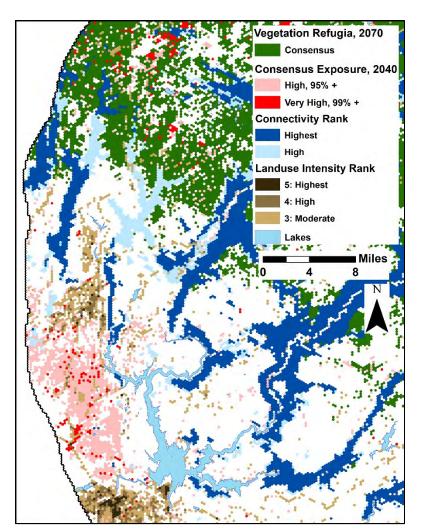




Assessing land use blockages to connectivity

Species needs for climate-driven dispersal can be blocked by human land use. This example illustrates how the assembled data can be used to evaluate impediments to movement towards mid-term climate refugia from near-term high climate exposure areas. We use the western boundary of the Feather river watershed and show the 2070 consensus refugia (areas in green) and the 2040 high climate exposure areas (areas in red). We then layered on the two highest connectivity ranks (blue colors). Finally we brought in the three highest levels of land use intensity (brown colors).

While land use and connectivity are somewhat opposite, and tend not to intersect, land use is a major factor just east and north of the largest area of high climate exposure. In addition, there is a considerable amount of moderate land use shown that is interspersed within the refugia area, and at the terminus of some of the high level connectivity corridors.



# Methods

Final Report Model Description: Model description, methods, data, assumptions

The goal of this study was to identify key areas within the region for a variety of climate-adaptive conservation and resilience objectives. Particularly, we were interested in what areas ranked highly as refugia for existing vegetation; critical landscape linkages for species movement; locations of high potential biodiversity; and areas with high potential as climatic microrefugia. We also wanted to consider the current structure of existing vegetation and identify forest areas that could be treated in a climate change-anticipating way, such as managing mid-seral forests for old growth conditions in areas that are climate refugia, and priority post-wildfire areas to restore to maintain landscape connectivity for future biodiversity movement.

To accomplish these goals, we compiled a large collection of geographic data, and considered which components and what sequence of analyses were needed to answer different landscape management objectives. We selected a 25 acre (10 hectare) hexagon as the unit for spatial analyses for two reasons: first, it provides a basis for comparisons across the entire extent of the study; and second, because this level of detail is relevant for land managers considering different treatments such as riparian restoration, forest thinning, conservation easements, etc. We created a hexagon grid layer in GIS consisting of 282,687 hexes in the 5 watersheds (6,985,348 acres) and 408,948 hexes (10,105,325 acres) across the watersheds and including a 6 mile (10 km) buffer.

We sampled different data into the framework. Geographic input data resolution ranged from 10 m topography to 270 m climate data to polygon maps of different resolutions. For five primary data layers, we ranked the hexagons into 5 classes, from low to high, creating weights that could then be combined in various ways, as described below for different objectives. We also used some reference data as overlays, but without incorporating them into the hexes to evaluate or further define some objectives.

This section describes the datasets collected, how they were sampled into the hexagon framework, and the methods for prioritizing areas for the major objectives. Additional information is located in the methods appendix.

## **INPUT MAPS – ORIGIN AND MANUFACTURE**

This section describes the creation of maps that were used in the analysis. The majority of these maps represent a compilation of existing data. Here we provide the source and steps used for the primary and secondary maps. Uses and processing of input reference maps are described in the appendix.

<u><b>Primary Maps</b></u> Vegetation Refugia / Climate Exposure	Secondary Maps Land Use Intensity	Input Reference Maps Vegetation Map
Landscape & Climate Connectivity	Vegetation Structure & Wildfire	10 m DEM
Biodiversity /Species Richness	Future Ranges of Selected Species	Land Tenure
Microrefugia		Climate Data
		Fire Return Interval
		Hydroclimatic Model

The list above also is the order in which the map methods are presented below. The following table describes the data that went into each analysis and map, followed by

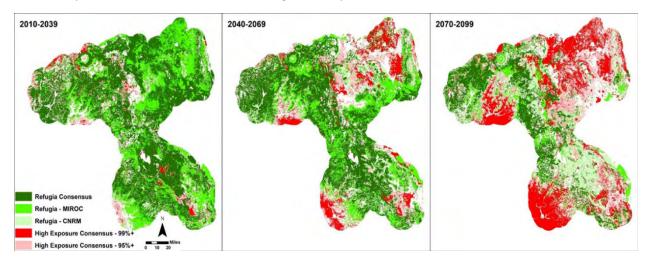
Climate and Hydrology Data	Downscaled Baseline & Future Climate (USGS)	Raster - 270m
FVEG - CalFire (FRAP)	https://frap.fire.ca.gov/mapping/gis-data/	Rasster - 30m
Vegetation and Climate Refugia	Vegetatiave Climate Exposure (UCD Modeling)	Raster - 270m
Landscape	e & Climate Connectivity	
California Essential Connecitvity	Caltrans/CDFW	Polygon
Omniscape Climate Connecivity	The Nature Conservancy	90 m
CDFW Land Facet Connectivity	https://wildlife.ca.gov/data/BIOS	Polygons
Biodiver	rsity / Species Richness	
Habitat Suitabiltiy Within Species Range - CDFW rules	UC Davis Modelling	Raster - 30m
Tree Species Distribution Models	UC Davis Modelling - Thorne & Choe	Raster - 270m
California Natural Diversity Database (CNDDB) - CDFW	https://wildlife.ca.gov/Data/CNDDB/Plants-and-Animals	Point & Polyge
	Microrefugia	
National Elevation Dataset	www.usgs.gov/core-science-systems/ngp/tnm-delivery	Raster - 10m
Solar Radiation Model	UCD - Modeling by Hollander	Raster - 25m
Environmental Lapse Rate Model	UCD - Modeling by Boynton	Raster - 10m
Cold Air Pooling	USGS Flint & Flint BCM Model	Rasgter - 270n
Vegetation Stru	ucture, Wildfire, and Recovery	
Canopy Height - SALO Sciences	https://forestobservatory.com/	Raster - 10m
FVEG - CalFire (FRAP)	https://frap.fire.ca.gov/mapping/gis-data/	Raster - 30m
Bulk Density & Number of Canopies - SALO Sciences	https://forestobservatory.com/	Raster - 10m
Forest Tree Mortality Model - SALO Sciences	Not public yet	Raster - 1km
	https://frap.fire.ca.gov/mapping/gis-data/; https://data-	
Fire Perimeters - CALFIRE, Nat'l Interagency Fire Center	nifc.opendata.arcgis.com/datasets/wildfire-perimeters	Polygon
La	and Use Intensity	
FVEG - CalFire (FRAP)	https://frap.fire.ca.gov/mapping/gis-data/	Raster - 30m
ESRI Roads	Esri	Polyline
Initial Co	nservation Assessment	
California Protected Areas Database (CPAD)	GreenInfo Network	Polygon
Califrnia Conservation Easement Database (CCED)	GreenInfo Network	Polygon
State Refuge Boundaries	California Department of Fish and Wildlife	Polygon
American Indian Reservations/Federally Recognized		
Tribal Entities	Governer's Office of Emergency Services	Polygon
Inpu	ut Reference Maps	
National Elevation Dataset	www.usgs.gov/core-science-systems/ngp/tnm-delivery	Raster - 10m
Landscpae Management Units	Information Center for the Environment - UCD	Raster - 30m
Basin Characterization Model	USGS	Raster - 270m
Fire Return Inteval Departure (FRID)	http://www.fs.usda.gov/main/r5/landmanagement/gis	Raster - 30m
Fire Threat	https://frap.fire.ca.gov/media/9792/fthrt14_2.zip	Raster - 30m
	https://frap.fire.ca.gov/media/9630/calfire priorityprojets	
	19 4.zip	Polygon

### Primary Maps

### Vegetation Refugia / Climate Exposure

We used the CAL FIRE's 2015 vegetation map to calculate what areas of each mapped vegetation type remain in frequently occupied current climate conditions. We mapped vegetation exposure by vegetation type under two GCMs - a hotter and drier (MIROC-ESM) and a warmer and wetter future (CNRMCM), and under two emission scenarios, RCP4.5 and RCP8.5 (Thorne et al. 2017a, b). Areas of vegetation refugia from the two GCMs that intersect are considered consensus vegetative refugia (Thorne et al. 2020). We mapped these areas within the SRHR for three future times 2010-2040; 2040-2070; and 2070-2100. We also mapped areas considered to have high climate stress, defined as the last

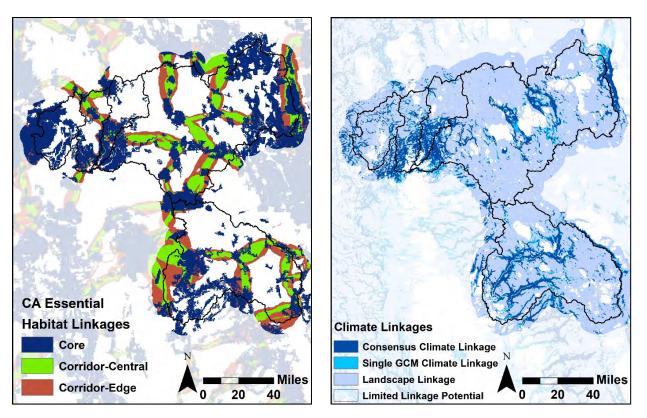
5 and 1% of the climate frequency distribution for each vegetation type (Methods Appendix). These climate exposure data are used in a wide range of analyses described below.



## Landscape & Climate Connectivity

We examined 5 maps of connectivity, and found two that systematically covered the entire region: a version of the California Essential Connectivity (CEC) map that had been updated by CDFW; and The Nature Conservancy's climate linkages map. The other connectivity maps considered were a land facet map (CDFW) that focuses on northern Sierra foothills, and models of connectivity for Fisher and Martin.

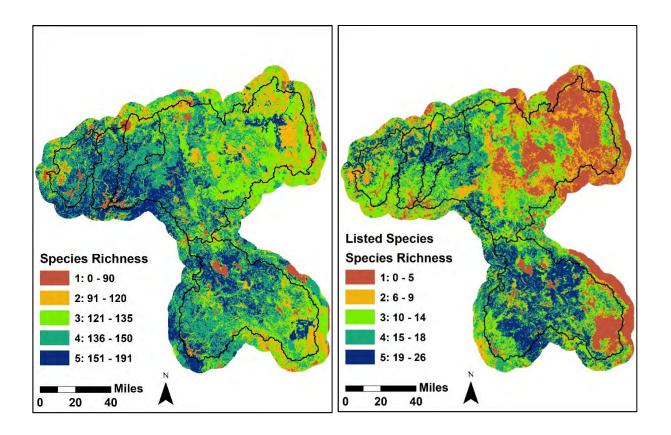
We ranked the CEC maps by core, high-value corridor, peripheral corridor, and not-in-network. We found 13 categories of climate linkages in TNC's maps and classed them into 4 categories: limited regional potential; present-day & intact landscapes; links from current climates to their analogs under a single GCM; and links from current climates to their analogs under projections from the two future climates considered (Methods Appendix).



We then summarized the rank value of each connectivity map in the hexagons, combined the ranks and classed the outputs into 5 levels of connectivity priority.

# Biodiversity / Species Richness

California's Wildlife Habitat Relationships model (WHR) identifies what habitats are commonly used by each vertebrate species in the state. The agency uses a statewide map developed in 2015 that provides the spatial pattern of each habitat as a way to map the potential range of each vertebrate species. We identified which vertebrate species have ranges in the study area, and we used the map of the WHRs to identify where in the SVH they may exist. We summarized the potential presence or absence of each of the species in each hexagon. We also identified the listed species and summarized those by hexagon as well. This permits an estimate of the potential vertebrate species richness by hexagon. For the full number of potential species richness (left, below) the rank numbers refer to: 1 = 0-90; 2 = 91-120; 3 = 121-135; 4 = 136-150; 5 = 151-191. For potential species richness of listed species (right, below) the rank numbers refer to: 1 = 0-5; 2 = 6-9; 3 = 10-14; 4 = 15-18; 5 = 19-26.



The species richness maps can be used with the vegetation refugia, as in the example below that shows listed species richness in vegetation refugia and in areas with high future climate exposure.

## Microrefugia

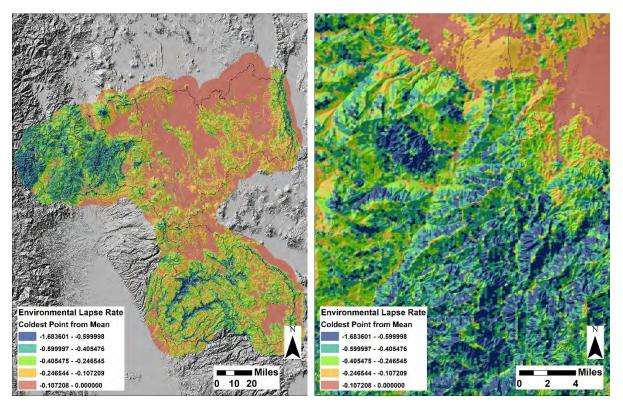
The extent to which management units may retain current climate conditions is of interest for Conservationists. A challenge for calculating the strength, or buffering capacity, of microrefugia is identify the strength of the phenomenon, and then link it to projected climate change. We were able to model two types that are occurring within a 25 acre area, which could be considered true micro-scale refugia. The third, cold air pooling, is active across larger spatial scales, but not across the entire region. We consider cold air pooling to be a meso-scale phenomenon. We mapped the extent of cold air pooling and it's relative strength across the landscape. But we did not summarize the effect into hexagons because it is fundamentally a process-driven metric, is stronger at some times of year than others, and therefore requires dynamic modeling to capture how it will perform under future warming.

We identified two types of physical microrefugia (Dobrowski 2011) that could be mapped and summarized into the hexagon framework, Environmental Lapse Rate and Solar Radiation influence on air. Additionally, cold air pooling (CAP) was observed in the air temperature, but was not quantified for regional modeling because of its temporal (seasonal) variability. Further modeling is necessary to capture the thermal buffering CAP can provide in a warming climate (Methods Appendix).

## Environmental Lapse Rate

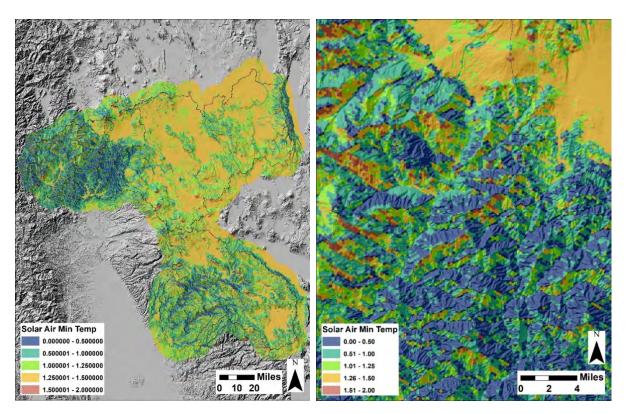
We identified the mean elevation of each hexagon using a 10 m digital elevation model, which provides an average of 976 grid cells per hexagon. We calculated and then assigned the annual mean temperature from our baseline temperature maps of annual mean minimum and maximum temperatures, 1981-2010 (Thorne et al. 2017). We used the range of elevation to identify the highest and lowest points within the hexagon and then applied the environmental lapse rate to calculate the range of temperature values within the hexagon. The highest point is cooler than the mean elevation, based on the lapse rate. That point represents the last location within a hexagon that will retain the mean temperature as climate warms.

Negative effect = (Average Elevation – Maximum Elevation) x 0.00649606Areas with steep topography have the highest buffering capacity.



## Solar Radiation

We modeled solar radiation using a 25 m DEM and converted the solar loading from MJ/second to degrees C using a table of conversion values determined in an independent study (Curtis et al. 2014; Methods appendix). Air temperature was never cooled by lack of solar radiation, and values ranged from 0 -2.5 °C. We use the lowest value found in each hexagon to represent the buffering (or lack thereof) from solar loading.



### Secondary Maps

#### **Vegetation Structure**

Ds David Marvin and Christopher Anderson of SALO Sciences provided an early release of data they also provide via their website, the California Forest Observatory (2020; <u>https://forestobservatory.com/</u>). They provided gridded data at 10 m resolution for five of the metrics that they measure statewide: canopy base height, canopy bulk density, canopy cover, canopy height, and ladder fuels. We used mean canopy height in each hexagon as a rough index for forest seral condition. Bulk density and canopy layers can be used in conjunction with other data to prioritize forest thinning.

### **Fire Perimeters**

We used two sources of data to map fire perimeters. CALFIRE's fire perimeter data was used for all years up to 2019. Fire perimeters for 2020 were downloaded from the National Interagency Fire Center.

### Land Use Intensity

We summarized land use intensity in each 25 acre hexagon using the weighted linear extent of 3 types of roads (U.S. Streets – part of StreetMap USA – the "ESRI road layer" ) and the extent of humanaltered landcover types that represent landuse.

We weighted the road types and measured the length of each road type, ranging from dirt roads to divided interstate highways within each hexagon. We classed the 3 road types into three levels of impact. Large roads were given highest impact (1 foot = 1 foot); moderate impact roads were downweighted to 1 foot = 0.5 feet, and dirt roads were weighted to 1 foot = 0.33 feet. We then summed the overall road lengths in each hexagon. We classed the road lengths into 5 levels of road impact (Methods

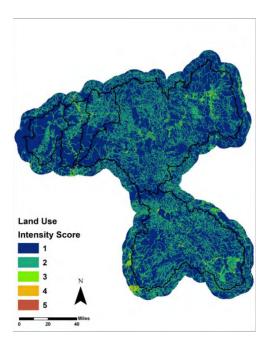
Appendix). From 0-10' length of road we considered to have no impact (weighting of 1; 65.1% of all hexagons), while the highest levels impact level were for hexagons in which road length could completely split a hexagon (weighting 4; 0.1% of all hexagons), or where hexagons could be transected two or more times by the roads within them (weighting 5; 5 hexagons).

We measured the area of landuse in each hexagon, according to the WHR classification of landcover types. We considered Urban (URB) and Eucalyptus (EUC) the most impacting. Ten types that indicate agriculture types were down-weighted to 1 square meter = 0.33 square meter, because these types are useable by some wildlife species. The ten agricultural types are:

Crop (CRP); Dryland Grain Crops (DGR); Irrigated Grain Crops (IGR); Irrigated Hayfield (IRH) Irrigated Row and Field Crops (IRF); Rice (RIC); Orchard - Vineyard (OVN); Deciduous Orchard (DOR); Evergreen Orchard (EOR); Vineyard (VIN)

We summed the area of each type within each hexagon and multiplied it by its weightings. We classed the output values into four levels of impact: No Impact (weight 1; 93.2% of hexagons); 0.1-33% of hexagon occupied (weight 2; 4.5%); 33-65% of hexagon occupied (weight 3; 2.1%) and >65% area occupied (weight 4; 0.2%).

We combined the road and landuse metrics, creating 20 classes that we then simplified to 5 levels ranging from 1 (No Impact; combined scores 11) to 5 (High; combined scores Roads 4 & 5; Landuse 2-4) (Methods Appendix).



### **Future Ranges of Selected Species**

We selected four species; Douglas Fir, Red Fir, Black Oak, and Ponderosa Pine, to examine for potential shifts in range.

Species distribution models for 4 species were obtained from previous work done for CAL FIRE (Thorne et al. 2016b) statewide and clipped to our region.

In the end we only used two species to examine their overlapping range dynamics: Douglas fir, with an expanding upwards range, and red fir with a retreating upslope range.

We compared their ranges in one of the use case graphics.

# References

Albert, C.H., Rayfield, B., Dumitru, M., Gonzalez, A., 2017. Applying network theory to prioritize multispecies habitat networks that are robust to climate and land-use change. Conserv. Biol. 31, 1383–1396.

CAL FIRE. 2015. FVeg. Forest Resource and Assessment Program GIS data layer. <u>https://frap.fire.ca.gov/mapping/gis-data/</u>

California Forest Observatory (2020). A Statewide Tree-Level Forest Monitoring System. Salo Sciences, Inc. San Francisco, CA. <u>https://forestobservatory.com</u>

Curtis, JA, Flint LE, Flint AL, Lundquist JD, Hudgens B, Boydston EE, Young JK. 2014. Incorporating Cold-Air Pooling into Downscaled Climate Models Increases Potential Refugia for Snow-Dependent Species within the Sierra Nevada Ecoregion, CA. Plosone 9: e106984

Dobrowski, S. Z. 2011. A climatic basis for microrefugia: the influence of terrain on climate. Global Change Biology 17:1022-1035. doi: 10.1111/j.1365-2486.2010.02263.x.

Esralew, RA, L Flint, JH Thorne, RM Boynton, MM Hughes, A Flint. 2015. Use of hydroclimate models in climate change adaptation planning for managed watersheds: case study for Modoc National Wildlife Refuge near Alturas, CA. Environmental Management: 58:60-75. DOI 10.1007/s00267-015-0569-y

Flint, L.E., A.L. Flint, J.H. Thorne, R.M. Boynton. 2013. Fine-scale hydrological modeling for regional landscape applications: Model development and performance. Ecological Processes. 2:25. http://www.ecologicalprocesses.com/content/2/1/25

Flint, L. E., and A. L. Flint. 2012a. Downscaling future climate scenarios to fine scales for hydrologic and ecological modeling and analysis. Ecological Processes 1:1.

Furnas B. 2020. Rapid and varied responses of songbirds to climate change in California coniferous forests. Biological conservation 241: <u>https://doi.org/10.1016/j.biocon.2019.108347</u>.

Safford, H.D., K.M. Van de Water. 2014. Using fire return interval departure (FRID) analysis to map spatial and temporal changes in fire frequency on national forest lands in California. Research Paper

PSW-RP-266. USDA Forest Service, Pacific Southwest Research Station, Albany CA. https://doi.org/10.2737/PSW-RP-266

Siegel, R. B., S. A. Eyes, M. W. Tingley, J. X. Wu, S. L. Stock, J. R. Medley, R. S. Kalinowski, A. Casas, M. Lima-Baumbach, A. C. Rich. 2019. Short-term resilience of Great Gray Owls to a megafire in California, USA. The Condor 121:1-13. DOI: 10.1093/condor/duy019.

Thorne JH, M Gogol-Prokurat, S Hill, D Walsh, RM Boynton, H Choe. 2020. Using Vegetation to identify climate refugia for adaptive natural resource management. Frontiers in Ecology and the Environment. <u>https://doi.org/10.1002/fee.2208</u>

Thorne, J. H., H. Choe, R. M. Boynton, J. Bjorkman, W. Albright, K. Nydick, A. L. Flint, L. E. Flint, M. W. Schwartz. 2017. The impact of climate change uncertainty on California's vegetation and adaptation management. Ecosphere 8(12):e02021. <u>http://onlinelibrary.wiley.com/doi/10.1002/ecs2.2021/full</u>

Thorne, J.H., R.M. Boynton, A.J. Holguin, J.A.E. Stewart, & J. Bjorkman. 2016. A climate change vulnerability assessment for California's vegetation: a macro-habitat scale for aggregated terrestrial vegetation types. California Department of Wildlife and Fisheries, Sacramento, CA. <u>https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=116208&inline</u>

Thorne, J.H., H. Choe, J.A.E. Stewart, & R.M. Boynton. 2016b. *Climate Change-Related Future Tree and Shrub Species Range Shifts and Climate Exposure of Forest and Woodland Habitats in California*. A report to the California Department of Forestry and Fire Protection, Information Center for the Environment, University of California, Davis.

Thorne, J.H., R.M. Boynton, L.E. Flint, A.L. Flint. 2015. The magnitude and spatial patterns of historical and future hydrologic change in California's watersheds. Ecosphere 6(2). Online https://esajournals.onlinelibrary.wiley.com/doi/10.1890/ES14-00300.1

# **Methods Appendix**

This appendix is meant to support the methods in the primary report. It provides additional information on data sources, processing, and analyses. It has two sections.

- 1) How we processed material into the hexagon framework
- 2) Description of the input maps and how they were processed.

## 1) How we processed material into the hexagon framework

We created a hexagon map for the region to summarize a wide variety of data into spatial units that are comparable across the region and also to represent an area that is relevant for site-level plans such as restoration or forest thinning. The hexagon layer has 282,687 hexes within the 5 watersheds, and 408,948 hexes in the 5 watersheds plus the 10 km buffer area.

## Integrating data into the hexes

Data from a variety of grid scales including 10, 30, 90, and 270m was added using the sample tool with Hexagon centroids for those at the 270m scale and by using the zonal statistics tool with Hexagon boundaries for the ones with smaller cell sizes.

Some data types, such as vegetation were simply sampled for the majority type found in each hexagon. Other data used for analyses, such as the digital elevation model, were sampled for mean, minimum and maximum values.

The order of data types presented is the same as in the report's main methods section. If there is no additional information, the data type name is still included, but the section is blank.

## 2) Description of the input maps and how they were processed

This section follows the same organization as presented in the main report's sequence of maps described, with primary, secondary and input maps documented in turn.

### **Primary Maps**

### Vegetation Refugia / Climate Exposure

These values were calculated for the mapped extent of each vegetation type found in the region. Exposure was based on the extent of the vegetation types as found in all California, and for two GCMs that bracket precipitation forecasts by +/- about 25% annual precipitation (Thorne et al. 2017).

What were the inputs:

- 1. Vegetation Map (described in Reference map section)
- 2. Climate Exposure data
  - a. GCMs: CNRMCM & MIROC-ESM

- b. RCPs: 4.5 & 8.5
- c. Time periods
  - i. Current: 1981-2010
  - ii. Future: 2010-2039 ("2040"), 2040-2069 ("2070"), 2070-2099 ("2100")
- d. Data values sampled:
  - i. We analyzed the spatial distribution of each vegetation type from the vegetation map independently, as noted below, and then reassembled the output maps for each type to visualize climate exposure across the entire region.
  - ii. For all time periods
    - 1. Continuous climate exposure (21 frequency classes); classified exposure (5 classes) (Thorne et al. 2016; 2017; 2020);
  - iii. For Future time periods
    - 1. refugia, high exposure, very high exposure, and moderate exposure; both consensus and single model results (10 classes)

How was each input reclassed

- 1. Original data has climate exposure in 21 frequency classes ranging from 0 to 100 (100 being the most exposed areas) and non-analog
  - a. For all time periods we reclassified this into 5 Exposure Classes:
    - i. 1: 0-80%: Non-stressful conditions
    - ii. 2: 80-95%: uncertain
    - iii. 3: 95-99%: stressful conditions
    - iv. 4: 99-100%: very stressful conditions
    - v. 5: Non-Analog: climate conditions not seen within current distribution

How were they combined

b. For future time periods we reclassified this into 10 classes:

CNRM Exposure Class	MIROC Exposure Class	Future Exposure Score	Future Exposure Score Description
1	1	А	Refugia - Consensus
1	2	D	Refugia - CNRM Only
1	3	D	Refugia - CNRM Only
1	4	D	Refugia - CNRM Only
1	5	D	Refugia - CNRM Only
2	1	E	Refugia - MIROC Only
2	2	H	Moderate Exposure - Consensus
2	3	_	Moderate Exposure - CNRM Only
2	4		Moderate Exposure - CNRM Only
2	5		Moderate Exposure - CNRM Only
3	1	E	Refugia - MIROC Only

3	2	J	Moderate Exposure - MIROC Only
3	3	В	High Exposure - Consensus
3	4	G	Very High Exposure - MIROC Only
3	5	G	Very High Exposure - MIROC Only
4	1	E	Refugia - MIROC Only
4	2	J	Moderate Exposure - MIROC Only
4	3	F	Very High Exposure - CNRM Only
4	4	С	Very High Exposure - Consensus
4	5	С	Very High Exposure - Consensus
5	1	E	Refugia - MIROC Only
5	2	J	Moderate Exposure - MIROC Only
5	3	F	Very High Exposure - CNRM Only
5	4	С	Very High Exposure - Consensus
5	5	С	Very High Exposure - Consensus

How were they inputted to the hexagons

Sample tool with Hexagon centroids to select the 270m frequency value from a climate grid, and assign the current and future climate exposure, or risk, to that cell.

## Landscape & Climate Connectivity

What were the inputs

- 1. The Nature Conservancy (TNC): Omniscape
- 2. California Essential Habitat Connectivity (CEHC), a map product originally developed by Caltrans, and updated by CDFW.

How was each input reclassed

- 1. Omniscape/TNC
  - a. Received Connectivity rasters from The Nature Conservancy (can also be viewed at https://omniscape.codefornature.org/)
    - i. 90m raster with 13 categories
  - b. Crosswalked the 13 categories to 4 and ranked them 0-3 (3 is high, 1 is low, 0 is limited connectivity)
    - i. Connectivity Score Description
    - ii. 0 Limited regional connectivity potential
    - iii. 1 Intact landscape
    - iv. 2 Climate linkage (HADGEM2-ES) through an intact landscape
    - v. 2 Climate linkage (CNRM\_CM5) through an intact landscape
    - vi. 3 Climate linkage (both climate models) through an intact landscape
    - vii. 1 Multiple present-day linkage options

- viii. 2 Climate linkage (HADGEM2-ES) among multiple present-day linkage options
- ix. 2 Climate linkage (CNRM\_CM5) among multiple present-day linkage options
- x. 3 Climate linkage (both climate models) among multiple present-day linkage options
- xi. 1 Present-day linkage
- xii. 1 Climate linkage (HADGEM2-ES) within a present-day linkage
- xiii. 1 Climate linkage (CNRM\_CM5) within a present-day linkage
- xiv. 3 Climate linkage (both climate models) within a present-day linkage
- 2. CEHC
  - a. Used General Natural Landscape Blocks and Essential Connectivity Areas from the 8 layers available.
  - b. Core areas were defined as areas within the Natural Landscape Blocks
  - c. Corridor areas were defined as areas within the Essential Connectivity Areas
    - i. These areas were split into 2 groups based on permeability
      - 1) Permeable areas identified using layer from CDFW
        - a. Layer name: ds620\_EssentialConnectivityAreas\_CaliforniaEssentialHabitatCo nnectivity
        - b. Areas in the top 2 categories (score 0-33 of 100) were classified as "more permeable".
  - d. Resulting 4 categories:
    - i. Core Areas
    - ii. Corridor More Permeable
    - iii. Corridor Less Permeable
    - iv. All other Areas

## How were they combined

- 1. Combining TNC and CEHC datasets
  - a. Created a Connectivity Ranking scale between 0-5, with 0 being limited connectivity, and areas identified by either input layers getting a score ranging from low (1) to high (5).
  - b. Crosswalk to overall Connectivity Score

				CEHC								
_			Other areas	Corridor - Less Permeable	Corridor - More Permeable	core						
ſ		0	0	1	2		2					
	TNC	1 (low)	1	2	3		3					
	TNC	2	2	3	4		4					
		3 (high)	3	4	5		5					

How were they inputted to the hexagons

Zonal statistics - Majority

# Biodiversity / Species Richness

What was the input

 Received species range maps and the weightings for each species of which habitat types they use. (CDFW). We selected all vertebrates whose ranges intersected with our region.

We scored the WHR types in the 30m raster vegetation map to identify the suitable habitat of each species, within its range in our area.

How was each input reclassed

- 1. Resampled raster to retain only areas where habitat score > 0
  - a. These are areas of suitable habitat within the range of each species

How were they combined

- 1. Summed up the suitable habitat for all species that overlapped with the study area, by 30 m grid cell.
  - b. 261 birds, 105 mammals, 21 amphibians and 31 reptiles
- 2. Used natural breaks to divide the distribution into 5 groups called Biodiversity Rankings, with 1 being low and 5 being high.
  - a. 1 = 0-90
  - b. 2 = 91-120
  - c. 3 = 121-135
  - d. 4 = 136-150
  - e. 5 = 151-191

How were they inputted to the hexagons

3. Performed zonal statistics, used the average number of potential species per hexagon to assign the hexagon a Potential Species Richness (Biodiversity) Score using the table above. For example, a hexagon with an average of 160 species, get a score of 5 (high biodiversity).

Other notes:

- 4. Repeated the previous 3 steps for listed species only
  - a. Listed species = ones from CDFW extraction
    - i. 26 birds, 24 mammals, 11 amphibians and 2 reptiles

### Microrefugia

What was the input

10m and 25m DEMs

How was each input reclassed

Solar radiation to Degree C

1. We ran a solar radiation model with the 25m DEM (2 days per month x 12 months)

2. Solar radiation raster units = Yearly total in watt-hours/m2

Convert yearly watt-hours to daily megajoules

$$\frac{Watt - hours}{year} \times \frac{1 year}{365 days} \times \frac{3600 J}{Watt - hour} \times \frac{1 MJ}{10^6 J}$$

3.Convert daily MJ to degree C using a conversion table from Curtis et al. (2014).

Daily MJ/sec	Degree C
< 7.5	0
7.5 - 10.5	0.25
10.5 - 12.5	0.5
12.5 - 15	0.75
15 - 17.5	1
17.5 - 20	1.25
20 - 22.5	1.5
22.5 - 25	1.75
25 - 27.5	2
27.5 - 30	2.25
> 30	2.5

#### Elevation range to Degree C

- 1) Zonal Statistics was performed on 10m DEM for each hex
  - a. Range was used with environmental lapse rate to calculate "buffering capacity" within the Hex

How inputted into hexagons:

- 1. Solar Radiation (25m raster)
  - a. The minimum solar radiation value was used with conversion table to calculate the temperature equivalent of lowest Solar Radiation load within the hex
- 2. Elevation (10m raster)
  - a. Range of elevation within the hex was used with environmental lapse rate to calculate the coldest point within the hex
    - i. (Average Elevation Maximum Elevation) x 0.00649606
- 3. Microsite buffering capacity was calculated by adding the temperature equivalent of lowest Solar Radiation load with the coldest point within the hex

### Secondary Maps

#### **Vegetation Structure**

#### **Fire Perimeters**

#### Land Use Intensity Score

- 1. Roads
  - a. Used Esri Road Class (0-9) and converted to 3 impact ranks

ESRI Road Class	Road Class Impact Rank	Description
0	1	Major Highway
1	1	Major Highway Connector
2	1	Highway
3	1	Major Road
4	2	Local Road
5	3	Minor Road or Vehicular Trail
		Special Road Features (Roundabouts, Service
6	1	drives)
7	1	Ramps
8	1	Ferries
9	3	Private Road

- b. Summed road feet per hex per impervious road class (1-3)
- c. Calculated Weighted Road Length within each hexagon

- Weighted Road Length = 1 x RoadFeet(Impervious Road Class 1) + 0.5 x RoadFeet(Impervious Road Class 2) + 0.33 x RoadFeet(Impervious Road Class 3)
- d. Classified Weighted Road Lengths into 5 weight classes

Road Weight	WeightCls	label	# hexs	
0-10	1	no	266288	65.1%
10-1300	2	low	134692	32.9%
1300- 2600	3	med	7581	1.9%
2600- 5218	4	high	382	0.1%
>5218	5	highest	5	0.0%

## 2. Landuse

- a. Have WHR percentage (0-100) by Hex
- b. Calculated Weighted Landcover Percent within each hexagon
  - i. Weighted Landcover Percent =

100% (Urban + Eucalyptus Percent Cover)

+ 33% (Cropland + Dryland Grain Crop + Deciduous Orchard + Evergreen Orchard + Irrigated Grain Crop + Irrigated Row and Field Crop + Irrigated

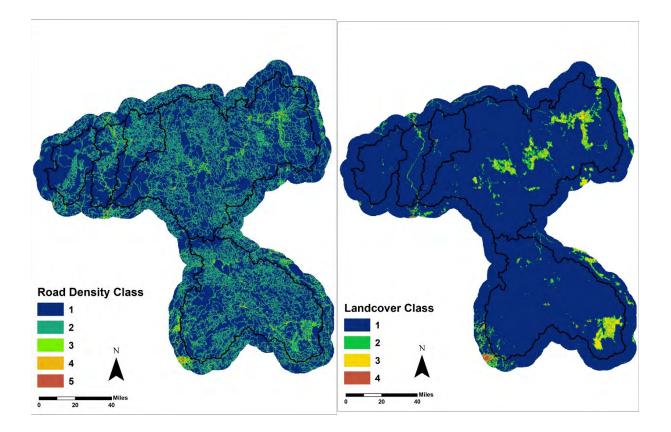
Hayfield + Pasture + Rice + Vineyard Percent Cover)

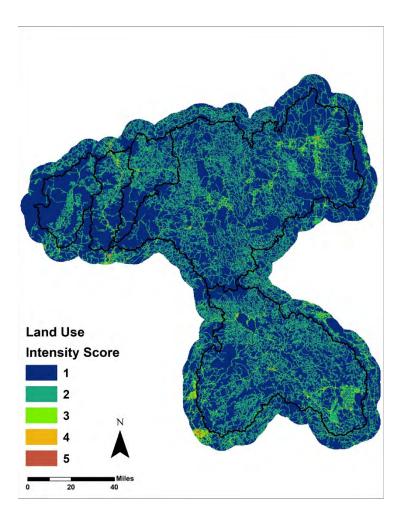
c. Classified Weighted Landcover Percent into 4 weight classes

Weighted Landcover Percent	Weighted Landcover Class		# hexs	
0-0.1 %		1	381207	93.2%
.1-33 %		2	18562	4.5%
33-65 %		3	8418	2.1%
65-100 %		4	761	0.2%

- 3. Combined Roads and Landuse to get Land Use Intensity Score
  - a. Combine Score = 10 x (Weighted Road Class) + (Weighted Landcover Class)

Combine		Weighted	Land Use Intensity		
Score	Weighted Road Class	Landcover Class	Score	# hex	<b>64 7</b> 0/
11	No Roads	Natural Lands	1	252439	61.7%
12	No Roads	Low Human Impact	1	8692	2.1%
13	No Roads	Med Human Impact	2	5127	1.3%
14	No Roads	High Human Impact	2	30	0.0%
21	Low-density Roads	Natural Lands	2	123305	30.2%
22	Low-density Roads	Low Human Impact	2	8369	2.0%
23	Low-density Roads	Med Human Impact	3	2751	0.7%
24	Low-density Roads	High Human Impact	3	267	0.1%
31	Medium-density Roads	Natural Lands	3	5373	1.3%
32	Medium-density Roads	Low Human Impact	3	1432	0.4%
33	Medium-density Roads	Med Human Impact	4	463	0.1%
34	Medium-density Roads	High Human Impact	4	313	0.1%
41	High-density Roads	Natural Lands	4	90	0.0%
42	High-density Roads	Low Human Impact	5	69	0.0%
43	High-density Roads	Med Human Impact	5	72	0.0%
44	High-density Roads	High Human Impact	5	151	0.0%
51	Highest-density Roads	Natural Lands	n/a	0	0.0%
52	Highest-density Roads	Low Human Impact	n/a	0	0.0%
53	Highest-density Roads	Med Human Impact	5	5	0.0%
54	Highest-density Roads	High Human Impact	n/a	0	0.0%





### **Canopy Height Score**

Received Fall 2019 Canopy Height Raster from Salo Sciences (California Forest Observatory 2020). Performed zonal statistics to get the average canopy height per hexagon. Used natural breaks to classify the heights into 5 classes.

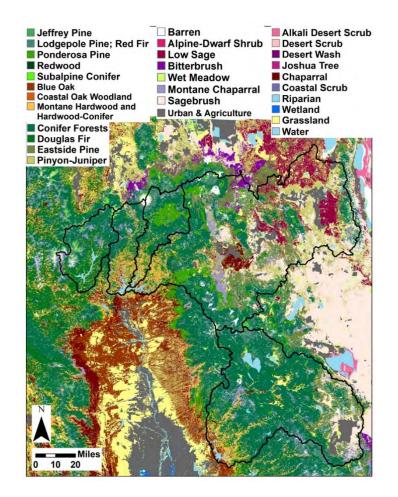
### **Future Ranges of Selected Species**

Received the species range maps and habitat models for all vertebrate species in California from CDFW. For the xxx vertebrate species that overlapped with our study area, we selected just the suitable habitats within their range (defining suitable as having a WHR based landcover score greater than 0), then spatially added them.

## **Input Reference Maps**

### **Vegetation Map**

- 1. FVEG (30m raster) converted to polygon and unionized to Hex grid to calculate:
  - a. Percentage of each WHR type within each Hexagon (0-100)
  - b. The WHR type that had the majority coverage within each Hexagon



## 10 m DEM

Zonal statistics were performed on a 10m DEM to get the average and range of elevation within each hexagon. These statistics were used when examining the microrefugia characteristics (section XX)

### Land Tenure

- 1. Tribal land
  - a. Source: <u>https://gis-</u> calema.opendata.arcgis.com/datasets/23348a6fb3e44322a0c0a862aba62a24\_0
  - b. Description: The American Indian Reservations / Federally Recognized Tribal Entities dataset depicts feature location, selected demographics and other associated data for the 561 Federally Recognized Tribal entities in the contiguous U.S. and Alaska.

Categories included are: American Indian Reservations (AIR), Federally Recognized Tribal Entities (FRTE) and Alaska Native Villages (ANV).

- 2. Public Land
  - a. CPAD
    - i. Version: 2020a
    - ii. Source: <u>https://www.calands.org/cpad/</u>
    - iii. Description: The California Protected Areas Database (CPAD) is a GIS dataset depicting lands that are owned in fee and protected for open space purposes by over 1,000 public agencies or non-profit organizations. CPAD depicts the wide diversity of parks and open spaces in California, ranging from our largest National Forests and Parks to neighborhood pocket parks.

## 3. Easements

- a. CCED
  - i. Version: 2020a
  - ii. Source: https://www.calands.org/cced/
  - iii. Description: CCED is a GIS database defining easements and deed-based restrictions on private land. These restrictions limit land uses to those compatible with maintaining it as open space. Lands under easement may be actively farmed, grazed, forested, or held as nature reserves. Easements are typically held on private lands with no public access. CCED represents California in the National Conservation Easement Database (NCED), a national inventory of lands conserved as easements. NCED is managed by a consortium of non-governmental organizations including: Ducks Unlimited, the Trust for Public Land, Defenders of Wildlife, Conservation Biology Institute, and NatureServe.

### 4. State Refuges

- a. Publication date: 8/21/20 by CDFW
- b. Source: https://wildlife.ca.gov/Data/GIS/Clearinghouse
- c. Description: Boundaries of California State Fish and Game Refuges, Fish Refuges, Game Refuges, Waterfowl Refuges, Quail Refuges, Marine Life Refuges, and Burro Santuary as defined in the Fish and Game Code Division 7 Chapter 2. Special rules of take and possession apply to the areas designated (see Division 7 Chapter 1).

Goal: Classify the study area into 3 Land Ownership classes: Public, Private, and Tribal

### Processing steps:

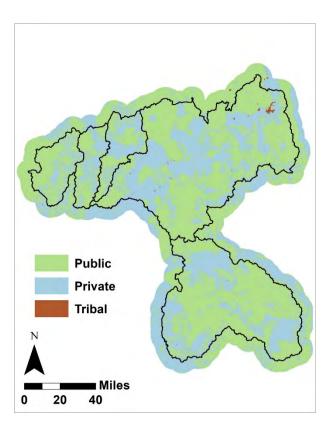
- 1. CPAD and State Refuge areas were added as Public
- 2. Easements were added as Private
- 3. Tribal Land was added as Tribal

#### Result:

PubLandCode	PubLandDesc	area_acres
1	Public	6214007
2	Private	3877791
3	Tribal	13635

# Result by watershed (acres)

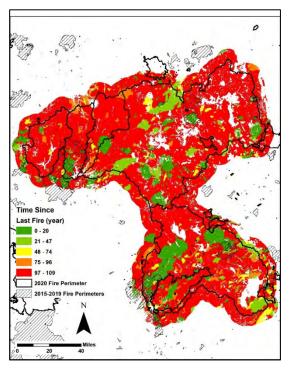
	Public	Private	Tribal
Feather	1515860	790184	427
McCloud	233924	201805	0
Pit	2085733	1307449	11004
Upper			
Sacramento	216298	162603	3
Upper Trinity	331909	128022	0
Buffer	1830283	1287729	2201



# **Climate Data**

--

#### **Fire Return Interval Departure**



We used the Fire Return Interval Departure (FRID; Safford & Van de Water 2014) to evaluate seral condition and fire risk in some of the use cases.

#### Hydroclimatic Model (Basin Characterization Model)

We used the outputs from the Basin Characterization Model (BCM). The model uses downscale PRISM climate data (Tmax, Tmin, PPT) at 270 m grid scale for historical data. It then uses bias-corrected future projections also downscaled to 270 m to output a series of variables including April 1<sup>st</sup> snowpack, Runoff, Recharge, Potential Evapotranspiration, Actual Evapotranspiration, and Climatic Water Deficit (Flint & Flint 2012, Flint et al. 2013, Thorne et al. 2015). We used 30-year summaries of annual values to assess change from a baseline period of 1981-2010.

# **Results Table Appendices**

This section is comprised of 4 Excel tables that are zipped and available as a separate download.

The values were derived in the following manner:

We converted all rasters of different grid scale to 270m and use the Combine tool.

Exported the raster value attribute tables (VAT) to MS Access to perform crosstab queries that summarize the count of cells in each category. The cell count was then converted to area using a conversion factor of:

18.013982 acres per 270m grid cell.

The results were formatted in Excel.

# **GIS Appendices**

This section is comprised of 2 geodatabases that are available as a separate download.

The first geodatabase, "Hexagon Data", contains the values we embedded in the hexagons.

The second geodatabase, "Input Data" contains input and contextual data.

## These are the final extents of the climate exposure analysis

There are 2 tabs

SumByRefugiaAndConsensusHighExp SummariesBy5ExposureClasses Refugia (both consensus and by GCM) & Consensus High Exposure Summary by the 5 Exposure Classes

						RC	P8.5									RC	P4.5				
			High	Very High				High	Very High				High	Very High				High	Very High		
		Refugia -	Exposure -	Exposure -	Refugia -	Refugia -	Refugia -	Exposure -	Exposure -	Refugia -	Refugia -	Refugia -	Exposure -	Exposure -	Refugia -	Refugia -	Refugia -	Exposure -	Exposure -	Refugia -	Refugia -
	Total	Consensus	Consensus	Consensus	CNRM Only	MIROC Only	Consensus	Consensus	Consensus	CNRM Only	MIROC Only	Consensus	Consensus	Consensus	CNRM Only	MIROC Only	Consensus	Consensus	Consensus	CNRM Only	MIROC Only
				2100 - acres					2100 - percent					2100 - acres					2100 - percent		
Statewide	100,937,908	12,442,311	11,589,818	36,782,029	7,997,397	14,945,030	12%	11%	36%	8%	15%	31,626,193	9,938,764	15,128,466	10,209,388	16,491,783	31%	10%	15%	10%	16%
Study Area	9,945,808	1,879,723	1,765,803	2,205,236	1,255,466	845,432	19%	18%	22%	13%	9%	3,280,634	1,061,168	1,046,648	818,105	1,903,519	33%	11%	11%	8%	19%
5 Watersheds	6,862,048	1,273,372	1,321,290	1,416,692	982,248	527,035	19%	19%	21%	14%	8%	2,351,203	754,768	664,284	623,914	1,237,633	34%	11%	10%	9%	18%
Pit	3,374,433	489,818	754,642	803,406	350,264	222,581	15%	22%	24%	10%	7%	845,234	478,740	452,079	343,761	530,458	25%	14%	13%	10%	16%
Feather	2,248,271	303,554	423,833	483,838	600,244	98,807	14%	19%	22%	27%	4%	866,238	212,529	176,195	249,890	385,733	39%	9%	8%	11%	17%
McCloud	431,507	144,562	50,835	34,046	16,339	87,728	34%	12%	8%	4%	20%	188,967	15,168	11,295	5,927	163,045	44%	4%	3%	1%	38%
Upper Trinity	442,171	255,690	22,644	6,413	12,177	69,210	58%	5%	1%	3%	16%	320,757	8,593	2,342	23,742	50,385	73%	2%	1%	5%	11%
Upper Sacramento	365,666	79,748	69,336	88,989	3,225	48,710	22%	19%	24%	1%	13%	130,007	39,739	22,373	594	108,012	36%	11%	6%	0%	30%
				2070 - acres					2070 - percent					2070 - acres					2070 - percent		
Statewide	100.937.908	35.243.293	9.767.739	13,515,657	10.831.375	14.414.356	35%	10%	13%	11%	14%	43,726,509	8.647.810	7,319,333	9,796,760	13,758,701	43%	9%	2070 - percent 7%	10%	14%
Study Area	9,945,808	3.673.267	933.250	859.339	784.383	1.892.675	37%	9%	9%	8%	19%	4.363.113	749.418	532.367	592.390	2.022.015	44%	8%	5%	6%	20%
5 Watersheds	6,862,048	2.634.635	682,730	533,214	598,947	1,218,826	38%	10%	8%	9%	18%	3,133,406	510,480	306.472	443.234	1.323.884	46%	7%	4%	6%	19%
	-,,	-,				-))						0,200, 000				-,,					
Pit	3,374,433	985,581	425,292	377,069	335,204	541,068	29%	13%	11%	10%	16%	1,232,282	281,342	221,230	343,346	599,920	37%	8%	7%	10%	18%
Feather	2,248,271	945,302	204,783	132,024	233,840	389,859	42%	9%	6%	10%	17%	1,144,320	187,490	64,850	68,111	490,359	51%	8%	3%	3%	22%
McCloud	431,507	214,420	12,123	9,025	3,963	152,128	50%	3%	2%	1%	35%	246,539	9,637	8,485	522	121,252	57%	2%	2%	0%	28%
Upper Trinity	442,171	332,160	8,953	2,324	25,418	36,046	75%	2%	1%	6%	8%	319,910	8,971	2,936	30,552	31,488	72%	2%	1%	7%	7%
Upper Sacramento	365,666	157,172	31,579	12,772	522	99,725	43%	9%	3%	0%	27%	190,354	23,040	8,971	703	80,865	52%	6%	2%	0%	22%
				2040 - acres					2040 - percent					2040 - acres					2040 - percent		
Statewide	100.937.908	51.284.852	5,902,227	2,702,241	5,525,321	18.926.967	51%	6%	3%	5%	19%	55,102,249	6.449.312	3,213,568	4,293,002	13,959,467	55%	6%	3%	4%	14%
Study Area	9,945,808	4.870.332	486.504	228.417	160.703	2.795.013	49%	5%	2%	2%	28%	5,516,566	592.156	298.582	113.542	1.874.139	55%	6%	3%	1%	19%
5 Watersheds	6.862.048	3,483,508	274.389	140.473	86.089	1.952.734	51%	4%	2%	1%	28%	3,931,498	346.535	174,303	63,788	1.318.786	57%	5%	3%	1%	19%
		.,		., .										,							
Pit	3,374,433	1,642,371	97,546	43,864	38,730	1,115,372	49%	3%	1%	1%	33%	2,024,087	144,094	62,977	28,516	630,489	60%	4%	2%	1%	19%
Feather	2,248,271	1,185,338	116,550	64,940	11,205	603,270	53%	5%	3%	0%	27%	1,212,665	139,500	79,027	14,411	488,071	54%	6%	4%	1%	22%
McCloud	431,507	220,779	13,420	10,592	3,639	106,589	51%	3%	2%	1%	25%	225,445	13,961	11,475	6,773	93,114	52%	3%	3%	2%	22%
Upper Trinity	442,171	258,465	25,021	10,754	25,688	34,100	58%	6%	2%	6%	8%	275,920	25,940	10,250	7,998	33,578	62%	6%	2%	2%	8%
Upper Sacramento	365,666	176,555	21,851	10,322	6,827	93,402	48%	6%	3%	2%	26%	193,380	23,040	10,574	6,089	73,533	53%	6%	3%	2%	20%

 
 Normal Property and property andeproperty and property and property and property and p Statewide Study Area S Watersheds 
 Stream
 Langeat
 L\_PAgeat
 Longeat
 L\_Pageat
 Langeat
 L\_Pageat
 Langeat
 Langeat

 Numericanness
 BAUKA
 BUTS
 Data
 <thData</th>
 Data
 Data
 124.443 74,555 84,242 87,273 2007.0445 44,657,489 25,759,881 11,265,591 12,746,584 45,552,49 2,737,281 11,1655,591 12,746,584 1,552,494 12,737,281 11,055,581 1,523,549 94,1249 511,055 583,556 1,523,549 94,1249 511,055 583,556 1,523,549 94,1249 511,055 583,556 1,523,549 543,243 12,124,124 12,124 1,545,549 543,243 12,124 1,545,549 543,243 12,124 1,545,549 52,123 12,125 1,545,549 52,123 12,155 1,545,549 52,155 1,545,540 52,155 1,545,549 52,155 1,555,549 52,1555 1,555,549 52,155 1,555,549 52,155 1,555,549 52,155 1,555,549 52,155 1,555,549 52,155 1,555,549 52,155 
 ayn
 21%
 10%
 26%
 0.0%

 **3205-300000** 

 49%
 20%
 11%
 0%
 0%

 56%
 24%
 11%
 0%
 0%

 56%
 24%
 15%
 0%
 0%

 56%
 24%
 15%
 15%
 0%

 56%
 24%
 16%
 0%
 0%

 56%
 24%
 16%
 0%
 0%

 56%
 24%
 16%
 26%
 0%

 57%
 27%
 36%
 48%
 0%
 203 57% 20% 68% 21% 65% 21% 58% 22% 72% 16% 85% 11% 78% 12% 78% 17% 
 376-percet
 11%
 0%

 12%
 11%
 0%

 8%
 6%
 0%

 9%
 9%
 0%

 9%
 9%
 0%

 2%
 2%
 0%

 2%
 2%
 0%

 2%
 2%
 0%

 2%
 1%
 0%

 6%
 2%
 0%

 6%
 2%
 0%
 17% 0% 9% 0% 8% 0% 2010 protect 2016 - protect 2016 - 56 1006 - 56 1006 - 5 
 (b)
 (b)</th 
 2648-zone
 <t 0-percent 8% 6% 0% 6% 2% 0% 5% 2% 0% 2040-azwe 70,211,819 19,907,604 7,367,384 3,451,191 7,665,346 1,478,642 538,122 263,689 5,436,241 959,828 207,192 158,775 204 68% 20% 74% 16% 77% 16% 9% 0% 8% 0% 7% 0% 70% 77% 79% 
 Pit
 L204(431
 L561(10)
 L180(562
 J11,856
 J26,414
 SPN
 J26N

 Fauture
 2246(22)
 L165(54)
 642,603
 220,626
 TAN
 25N

 MitCloud
 MitCloud
 MitLloud
 S10,507
 220,625
 TAN
 25N

 Upper Tommer
 MitLloud
 S10,507
 L1,502
 L2,021
 L2N
 23N

 Upper Tommer
 S64,664
 L10,507
 L1,512
 L10,212
 L2N
 L3N

 Upper Tommer
 S64,664
 L10,217
 L14,217
 S10,507
 L2N
 L3N
 L3N
 L3N
 L4N
 L5N
 L 9% 12% 11% 7% 12% 6% 0% 10% 0% 4% 0% 2% 0% 5% 0% 2,357,342 448,219 112,101 54,871 1,348,668 247,224 123,144 68,795 327,348,782,51 44,177 11,709 292,565 104,667 32,587 12,412 269,858 59,536 25,184 10,989 82% 80% 76% 66% 74% 15% 15% 20% 21% 17% 5% 2% 0% 6% 4% 0% 2% 2% 0% 6% 2% 0% 7% 2% 0% 79% 74% 74% 72% 72% 
 Non-constraint
 Non-con 
 Matrix
 Matrix< 0-percent 4N 1N 0N 6N 2N 0N 5N 2N 0N 4% 7% 8% 5% 1% 0% 2% 0% 2% 1% 1% 0%

# These are the final land cover tables. They show climate exposure of the vegetation by land cover (WHR) type.

There are 6 tabs: 2 main tables and 5 appendix tabs.

Main1_WHR_ConsensusRefHighExp	Consensus Refugia & High Exposure: Summaries
Main2_WHR_ConsensusModExp	Consensus Moderate Exposure: Summaries
Apx1_WHR_ConRefHighExp_5Watshd	Consensus Refugia & High Exposure: By Watershed
Apx2_WHR_ConModExp_5Watshd	Consensus Moderate Exposure: By Watershed
Apx3_WHR_RefHighExp	Single Model Refugia & High Exposure: Summaries and by Watershed
Apx4_WHR_ModExp	Single Model Moderate Exposure: Summaries and by Watershed
Apx5_WHR_AreaByRank	Total Area by WHR Type

This is the Consensus Refugia & High Exposure by land cover (WHR) type table for use in the main text. Refugia & High Exposure by watershed tables are in appendix 1, single climate model tables are in appendix 3.
Extent = Entire Study Area (5-Watersheds plus 10km buffer)
RCP8.5 area = acres
RCP8.5 area = acres

	Land Cover Type (WHR)	Refugia -			High Expo				gh Exposu onsensus	
		Public	Private		Public			Public	Private	Triba
	ALKALI DESERT SCRUB							522	8,917	
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND	306	2	24	45.042	15.000		594	36	
	ANNUAL GRASSLAND ASPEN	306	3	24	15,042 4,540	15,006 504		7,764 360	56,330 594	-
	BARREN	36		18	1,603	2,270		2,576	4,107	
	BITTERBRUSH	50		10	1,005	2,270		72,038	19,869	14
	BLUE OAK WOODLAND	54						3,441	70,237	
	BLUE OAK-FOOTHILL PINE	1,135	1,1	53	18			13,024	55,681	1
	CHAMISE-REDSHANK CHAPARRAL							685	811	
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	5,404	2	34	36			1,135 54	522 126	
	COASTAL OAK WOODLAND							34	72	
	CROPLAND				1,171	28,912		126	19,329	
	DECIDUOUS ORCHARD								180	
	DOUGLAS FIR	56,942	32,3	17	1,946	2,216		50,079	47,197	
	DRYLAND GRAIN CROPS					54		144	7,836	
	EASTSIDE PINE				9,692	2,486		320,217	139,734	3
	EUCALYPTUS EVERGREEN ORCHARD							18	36 757	
	FRESH EMERGENT WETLAND							72	558	
	IRRIGATED GRAIN CROPS								883	
	IRRIGATED HAYFIELD				18	973		2,828	94,465	1
	IRRIGATED ROW AND FIELD CROPS		-	~~					414	
2100	JEFFREY PINE JUNIPER	13,456	7,9	80	72 11.709	36 7,458		955 17,167	90 4.720	
2100	KLAMATH MIXED CONIFER	191,813	73.1	01	20,320	21,869		8,737	6.053	
	LACUSTRINE	9,007	14,4		18	90		15,870	793	
	LODGEPOLE PINE				6,539	288		15,474	4,900	
	LOW SAGE							331,944		1,2
	MIXED CHAPARRAL	30,318	17,7		775	847		17,383	29,435	
	MONTANE CHAPARRAL MONTANE HARDWOOD	280,027	74,0		6,773 108	2,828 126		6,017 56,582	3,567 77,514	
	MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER	32,858 31,741	21,1 24,7			126 54		56,582 34,947	77,514 32,443	
	MONTANE RIPARIAN	14,195	24,7 8,0		120	54		54,547	22,443	
	PASTURE	,	1,3		162	1,639			4,990	
	PERENNIAL GRASSLAND	13,114	4,1	07						
	PONDEROSA PINE	104,769	74,1			558		16,609	37,289	
	RED FIR RICE	5,728	6	49	21,959	3,477		27,039	3,206 360	
	RICE RIVERINE			18				486	360 486	
	SAGEBRUSH			-0				486 81,765	32,353	
	SIERRAN MIXED CONIFER	362,910	265,0	22	23,436	15,330	54	70,453	61,212	
	SUBALPINE CONIFER				1,351	54		27,003	306	
	URBAN				72	558		811	23,670	
	VALLEY FOOTHILL RIPARIAN							288	1,819	
	VALLEY OAK WOODLAND VINEYARD							72	1,261 90	
	WET MEADOW	865	1	26	4,107	22,373	252	108	865	
	WHITE FIR	83,261	20,5		7,890	2,180	2.52	62,274	11,511	
		1,237,939	641,2		139,500	,		1,267,662	,.=	-/-
	Land Cover Type (WHR)	Refugia - Public	Private		B High Expo Public	osure - Con Private		Co	gh Exposu onsensus Private 10,628	
			Private		Public 90	Private		Co Public	onsensus Private	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN	Public		Tribal	90 7,530 432	Private 23,472 216	Tribal	Co Public 667 90 10,268 144	Private 10,628 43,053 252	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN	Public 883		Tribal	Public 90 7,530 432 1,927	Private 23,472 216 4,251	Tribal	Co Public 667 90 10,268 144 757	Private 10,628 43,053 252 1,531	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITRENBRUSH	Public		Tribal	Public 90 7,530 432 1,927 5,080	Private 23,472 216 4,251 1,117	Tribal	Cc Public 90 10,268 144 757 1,459	Private 10,628 43,053 252 1,531 4,594	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN	Public 883		Tribal	90 7,530 432 1,927 5,080 18	Private 23,472 216 4,251	Tribal	Co Public 667 90 10,268 144 757	Private 10,628 43,053 252 1,531 4,594 64,166	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND	Public 883 270		Tribal	Public 90 7,530 432 1,927 5,080	Private 23,472 216 4,251 1,117 90	Tribal	Cc Public 667 90 10,268 144 757 1,459 2,864	Private 10,628 43,053 252 1,531 4,594	Trib
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARALL CUSED-CONE PINE-CYPRESS	Public 883 270		Tribal	90 7,530 432 1,927 5,080 18	Private 23,472 216 4,251 1,117 90	Tribal	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARERN BITTERBRUSH BLUE OAK-POOTHLL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	Public 883 270 144		<b>Tribal</b> 18 54	90 7,530 432 1,927 5,080 18 1,189	Private 23,472 216 4,251 1,117 90 612	Tribal	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90	Private 10,628 43,053 252 1,531 4,594 64,166 44,639	Triba
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL SCRUB	Public 883 270 144	3	<b>Tribal</b> 18 54 78	90 7,530 432 1,927 5,080 18 1,189 486	Private 23,472 216 4,251 1,117 90 612 396	Tribal 54	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36 54	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108	Trib
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BAREEN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPAREAL CLOSED-CONE PINE-CYPRESS COASTAL JAK WOODLAND COASTAL JAK WOODLAND COASTAL JCRUB CROPLAND	Public 883 270 144	3	<b>Tribal</b> 18 54	90 7,530 432 1,927 5,080 18 1,189	Private 23,472 216 4,251 1,117 90 612	Tribal	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36 54	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499	Trib
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL SCRUB	Public 883 270 144	3	<b>Tribal</b> 18 54 78 36	Public 90 7,530 1,927 5,080 18 1,189 486 3,927	Private 23,472 216 4,251 1,117 90 612 396	Tribal 54	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36 54	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108	Trib
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK-FOOTHILL PINE CHAMISE AEDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COATAL OAK WOODLAND COATAL ASK WOODLAND COATAL ASK WOODLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUYLAND GRAIN CROPS	Public 883 270 144 288 106,120	3 72,7	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225	Tribal 54	Cc Public 667 900 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151	Trib:
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL OAK WOODLAND COOPLAND CROPLAND DECIDIOUS ORCHARD DUGLAS FIR DUGLAS FIR DAYLAND GRAIN CROPS EASTSIDE PINE	Public 883 270 144 288	3	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 1,927 5,080 18 1,189 486 3,927	Private 23,472 216 4,251 1,117 90 612 396 54,168	Tribal 54	Cc Public 667 90 10,268 144 7,57 1,459 2,864 7,980 90 366 54 1,567 7,728	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391	Trib.
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BILIE OAK WOODLAND BILIE OAK WOODLAND BILIE OAK WOODLAND CLAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DUGLAS FIR BUYLAND GRAIN CROPS EASTBIDE PINE ELOCALYPTUS	Public 883 270 144 288 106,120	3 72,7	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225	Tribal 54	Cc Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 36	Trib.
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BILE OAK-VOODLAND BILE OAK-FOOTHILL PINE CHAMISF-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD	Public 883 270 144 288 106,120	3 72,7	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225	Tribal 54	Cc Public 667 90 10,268 144 7,577 1,459 2,864 7,580 90 36 54 1,567 7,728 180 22,734	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 366 757	Trib:
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-VOODLAND BLUE DAK-VOODLAND BLUE DAK-VOOTHLE NINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL DAK WOODLAND COASTAL SCRUB COASTAL AK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DEVIAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREIN ORCHARD FRESH EMERGENT WETLAND	Public 883 270 144 288 106,120	3 72,7	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225	Tribal 54	Cc Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 36	Trib.
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BILE OAK-VOODLAND BILE OAK-FOOTHILL PINE CHAMISF-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD	Public 883 270 144 288 106,120	3 72,7	<b>Tribal</b> 18 54 78 36 76 108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225	Tribal 54	Cc Public 667 90 10,268 144 7,577 1,459 2,864 7,580 90 36 54 1,567 7,728 180 22,734	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 36 757 575 576 919	Trib:
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUTTERBRUSH BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DUGLAS FIR BYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD IRRIGATED GAIN CROPS IRRIGATED GAIN CROPS IRRIGATED GAIN CROPS IRRIGATED GAIN CROPS	Public 883 270 144 288 106,120 49,863	3 72,7 21,8	Tribal 18 54 78 36 76 108 51	Public 90 7,530 1,927 5,080 18 1,189 486 3,927 8 2,918 87,530	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72	Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 36 757 576 919	Trib:
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE CYPRES COASTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DEVERGREEN ORCHARD PRESH EMERGENT WETLAND IRRIGATED HANFELD IRRIGATED HANFELD IRRIGATED HANFELD	Public 883 270 144 288 106,120 49,863 33,416	3 72,7 21,8 15,9	Tribal 18 54 78 36 76 108 51 24	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918 82,530	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72 18	msensus Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 366 757 576 919 23,076 414	2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHLL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DCEUDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD EASTSIDE PINE EVERGREEN ORCHARD RESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS ILFIRED FINE	Public 883 270 144 288 106,120 49,863 33,416 28,804	3 72,7 21,8 15,9 10,2	Tribal 18 54 78 36 76 108 51 24 86	Public 90 7,530 1,927 5,080 18 1,189 486 3,927 3 2,918 87,530 432 432	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 4757 1,459 2,864 7,280 90 36 54 1,567 7,728 180 22,734 18 722 18 722 18 722 18	Private 10,6228 43,053 252 1,531 4,594 64,166 44,66 44,639 72 108 106,499 180 3,351 9,151 22,391 36 757 576 919 23,076 414 1,153	Triba 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DEVLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ONCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED RANFIELD IRRIGATED GRAIN CROPS IRRIGATED RANFIELD IRRIGATED RANFIELD IRRIGATED RANFIELD IRRIGATED GRAIN CROPS IEFREY PINE EFFREY PINE	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510	3 72,7 21,8 15,9 10,2 138,0	Tribal 18 54 78 36 76 108 51 24 85 59	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 5 2,918 87,530 432 126 1,567	Private 23,472 2161 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72 18 72 18 36 1,655 829	nnsensus Private 10,6228 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 120 3,351 9,151 22,391 36 757 576 919 23,076 414 1,153 126	Triba 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHLL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DCEUDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD EASTSIDE PINE EVERGREEN ORCHARD RESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS ILFIRED FINE	Public 883 270 144 288 106,120 49,863 33,416 28,804	3 72,7 21,8 15,9 10,2 138,0 16,4	Tribal 18 54 78 36 76 108 51 24 85 59	Public 90 7,530 432 1,927 5,080 1,189 486 3,927 8 2,918 87,530 432 432 126 1,567 4,612	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 144	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 4757 1,459 2,864 7,280 90 36 54 1,567 7,728 180 22,734 18 722 18 722 18 722 18	nnsensus Private 10,628 43,053 252 1,531 4,594 64,166 44,639 72 108 106,499 180 3,351 9,151 22,391 36 757 576 919 23,076 414 1,153 126	Triba 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAX-KOOTHLE NINE CHAMISE-REDSHANK (HAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL DAX WOODLAND COASTAL ASK WOODLAND COASTAL ASK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD RESH FLMERGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED RAWFIELD IRRIGATED RAWFIELD IRRIGATED RAWFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD ILRIGATED HAVFIELD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476	3 72,7 21,8 15,9 10,2 138,0 16,4	Tribal 18 54 78 36 76 108 51 24 86 59 65	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 5 2,918 87,530 432 126 1,567	Private 23,472 2161 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 144 757 1,459 2,864 7,2864 7,2864 7,2864 54 1,567 7,728 180 22,734 18 7,22 18 366 1,765 829 366	nsensus Private 10,628 43,053 252 252 1,531 4,594 44,639 72 72 108 106,499 180 3,351 22,391 106,499 180 3,351 22,391 23,076 414 1,153 126 829	Trib: 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND COATAL OAK WOODLAND DUGLAS FIR BYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREIN ORCHARD IRRIGATED DAYFIELD IRRIGATED DAYFIELD IRRIGATED DAYFIELD IRRIGATED DAYFIELD IRRIGATED DAYFIELD IRRIGATED DAYFIELD CONFER LACUSTRINE LODGEPOLE PINE LACUSTRINE LODGEPOLE PINE LOW SAGE	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 3,60 1,84 3,60 1,84 3,60 1,84 3,60 1,84 3,60 1,84 3,60 1,84 3,60 1,84 3,60 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,84 2,85 1,85 1,85 2,85 1,85 2,85 1,85 2,85 1,85 2,85 1,85 2,85 1,85 2,85 2,85 2,85 2,95 1,95 2,95 2,95 2,95 2,95 2,95 2,95 2,95 2	3 72,7 21,8 15,9 10,2 138,0 16,4	Tribal           18           54           78           36           76         108           51           24           85           59           65           36           36           36           37           108	Public 90 7,530 432 1,927 5,080 18 1,189 486 3,927 8 2,918 87,530 432 126 1,567 4,612 2,990 378 1,747	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 144 919 7,22 3,819	<b>Tribal</b> 54 504	сс Рибис 667 90010,268 144 757 7,459 2,864 7,980 90 36 54 1,557 7,728 185 800 22,734 18 72 18 18 36 1,765 829 36 72 302,707 3,120	nsensus Private 10,628 43,053 252 1,531 4,594 44,639 72 108 106,499 180 3,351 3,64 106,499 180 3,351 3,65 757 6 9,151 22,391 414 1,153 126 829 62,594	Trib: 2 1: 1,2:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE CYPRES COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD PRESH EMERGENT WETLAND IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD ISFRREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPDLE PINE LOUS SAGE	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 360 18 391,516	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4	Tribal           18	Public 90 7,530 1,927 1,927 1,927 1,927 1,927 1,927 1,927 1,927 2,918 87,530 4322 1,266 1,567 4,6122 1,269 4,522 1,267 4,612 1,269 1,267 4,522 1,267 4,522 1,267 4,522 1,267 4,522 1,267 1,2	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 144 919 72 3,819 73	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 144 757 7,1459 2,864 7,980 90 36 54 1,459 2,264 180 22,734 190 20,755	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,559 44,639 72 108 106,499 180 3,351 106,499 180 3,351 106,495 4,599 100 4,150 100 100 100 100 100 100 100	Trib: 2 1: 1,2:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-MOODLAND BLUE OAK-MOODLAND BLUE OAK-MOOTHLL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD RESSH EMERGENT WETLAND IRRIGATED GRAIN CROPS IERFREST MENEGENT WETLAND IRRIGATED GRAIN CROPS IERFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 349,516 8391,516	3 72,7 21,8 15,9 10,2 138,0 16,0 16,4 109,4 32,1	Tribal           18	Public         90           91         91           1,927         5,080           1,927         5,080           1,937         3,027           3,927         3,021           4         2,918           87,530         4,612           2,998         3,747           1,747         1,747           2,1454         2,1454	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 72 3,819 72 3,819 829 72	<b>Tribal</b> 54 504	Cc Public 900 10,268 144 757 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72 18 36 1,765 829 36 72 302,070 3,170 2,432 4,413	nsrensus Private 10,628 43,053 2525 1,531 4,594 64,166 44,639 72 108 106,499 180 0,499 100,499 180 3,351 3,351 3,351 3,351 3,351 3,351 22,391 106,499 9,151 22,076 414 1,153 126 62,247 414 1,153 126 63,247 2,594 414 1,554 63,247 2,554 415 1,557 1,571 1,	Trib: 2 1: 1,2
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE DHIE-CYPRES COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIGUESTINE LOW SACE MIXED CHAPARRAL MONTANE HARDWOOD-CONFER	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,96 300 18 391,516 43,990 58,726	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 109,4 44,7	Tribal           18           78           78           78           76           100           51           51           52           53           54           53           54           53           54           55           54           55           54           53           54           53           54           53           54           53           54           53           54           53           54           53           54           57           51           52           53           54           57           57           57           57           57           57           57           57           57           57           57           57           57	Public         90           91         91           1,927         5,080           1,927         5,080           1,937         3,027           3,927         3,021           4         2,918           87,530         4,612           2,998         3,747           1,747         1,747           2,1454         2,1454	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 144 919 72 3,819 73	<b>Tribal</b> 54 504	Cc Public 667 90 10,268 144 757 7,1459 2,864 7,980 90 36 54 1,459 2,264 180 22,734 190 20,755	nsrensus Private 10,628 43,053 2525 1,531 4,594 64,166 44,639 72 108 106,499 180 0,499 100,499 180 3,351 3,351 3,351 3,351 3,351 3,351 22,391 106,499 9,151 22,076 414 1,153 126 62,247 414 1,153 126 63,247 2,594 414 1,554 63,247 2,554 415 1,557 1,571 1,	Trib: 2 1: 1,2
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAX-POOTHLIL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD RESH EMERGENT WETLAND IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD UDUEFPOLE PINE LODGEPOLE PINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 349,516 8391,516	3 72,7 21,8 15,9 10,2 138,0 16,0 16,4 109,4 32,1	Tribal           18           78           78           78           76           100           51           51           52           53           54           53           54           53           54           55           54           55           54           53           54           53           54           53           54           53           54           53           54           53           54           53           54           57           51           52           53           54           57           57           57           57           57           57           57           57           57           57           57           57           57	Public         90           91         91           1,927         5,080           1,927         5,080           1,937         3,027           3,927         3,021           4         2,918           87,530         4,612           2,998         3,747           1,747         1,747           2,1454         2,1454	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 3,36,046 1,225 1,227 1,237 1,227 1,237 1,2	<b>Tribal</b> 54 504	Cc Public 900 10,268 144 757 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72 18 36 1,765 829 36 72 302,070 3,170 2,432 4,413	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 72 108 108 108 108 108 108 109 199 191 23,076 576 576 576 576 576 576 576 577 576 576	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE DHIE-CYPRES COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIGUESTINE LOW SACE MIXED CHAPARRAL MONTANE HARDWOOD-CONFER	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,96 300 18 391,516 43,990 58,726	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 2,1 144,7 6,9	Tribal           18           54           78           36           76         106           51           53           54           53           54           53           54           55           54           55           54           55           54           55           54           55           54           55           54           57           58           59           54           55           54           55           54           55           56           57           58           59           50           51           52           53           54           55           56           57           58           59           54           55           56           57	Public 90 7,530 432 1,927 5,82 1,927 1,937	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,009 12 3,6,046 1,009 12 2,3,819 829 2,23,819 2,23,722 12 12 12 12 12 12 12 12 12 12 12 12 1	<b>Tribal</b> 54 504	Cc Public 900 10,268 144 757 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 72 18 36 1,765 829 36 72 302,070 3,170 2,432 4,413	nsrensus Private 10,628 43,053 2525 1,531 4,594 64,166 44,639 72 108 106,499 180 0,499 100,499 180 3,351 3,351 3,351 3,351 3,351 3,351 22,391 106,499 9,151 22,076 414 1,153 126 62,247 414 1,153 126 63,247 2,594 414 1,554 63,247 2,554 415 1,557 1,571 1,	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHILP INE CHAMISE-REDSHANK CHAPARRAN CLOSED-CONE PINE-CYPRESA CLOSED-CONE PINE-CYPRESA COASTAL CAR WOODLAND COOLAND DECIDUOUS ORCHARD DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD DRYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED ROW AND FIELD CROPS IRRIGATED ROW AND FIELD CROPS IRRIGATED CONIFER LACUSTRINE LOOGEPOLE PINE LODGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE MONTANE CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER PASTURE PERENNIAL GRASSLAND PONDERGSA PINE	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 1,946 360 58,726 7,530 61,428 98,846	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9,9 104,1	Tribal           18           54           78           36           77           108           51           52           54           55           55           56           53           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           75           76           70           108           73           54           75           75           75           75           75           77           75           70           70           70           70           70           70	Public 90 7,530 1,927 1,927 1,928 1,189 486 3,927 486 3,927 486 486 3,927 486 486 486 486 486 486 486 486	Private 23,472 216 4,251 396 54,168 1,225 36,046 46,944 18 1,009 144 19 7,219 8,297 7,03 1,009 1,279 1,279 1,279	<b>Tribal</b> 54 504	cc Public 667 900 10,268 144 757 7,1459 2,864 7,980 900 36 54 1,567 7,728 185 800 22,734 18 72 18 300 22,734 18 36 1,765 829 36 72 2 302,707 3,170 2,432 4,413 649	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 72 108 106,499 108 44,639 72 108 106,495 109 109 109 109 109 109 109 109	Triba 2 1 1,2
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHLE PINE CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE- EUCALYPTUS EVERGREEN ORCHARD PRESH EMERGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IDEFREY PINE IDEFREY ARABWOOD-CONFER MONTANE HARDWOOD-CONFER MONTANE HARDWOOD-CONFER MONTANE HARDWOOD-CONFER MONTANE HARDWOOD-CONFER MONTANE HARDWOOD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 360 18 391,516 43,990 5,876 7,530	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9,9 104,1	Tribal           18           54           78           36           77           108           51           52           54           55           55           56           53           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           75           76           70           108           73           54           75           75           75           75           75           77           75           70           70           70           70           70           70	Public         90           90         432           1,927         5,080           18         1,189           3,927         2,918           87,530         87,530           432         126           1,567         2,918           432         126           1,567         2,918           1,657         2,214           1,657         2,141           1,637         1,333           72         2	Private 23,472 216 4,251 1,117 90 612 396 1,225 36,046 46,944 18 1,009 72 3,819 72 3,819 72 3,819 72 3,819 72 3,819 72 3,919 72 703 703 703 1,009	<b>Tribal</b> 54 504	Cc Public 900 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 366 1,765 829 36 6 72 302,707 3,170 2,423 4,413 649	nsrensus Private 10,628 43,053 252 1,531 1,531 4,534 44,639 72 108 106,499 180 3,351 106,499 180 3,351 106,499 180 3,351 23,076 4,156	Trib: 2 1: 1,2:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERRRUSH BILTE OAK WOODLAND BILUE OAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DCEUDUOUS ORCHARD DECIDUOUS ORCHARD DIVINE LANDATE CHAPARA MONTANE HARDWOOD-CONIFER LOW SAGE MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 58,476 1,946 360 58,726 7,530 61,428 98,846	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9,9 104,1	Tribal           18           54           78           36           77           108           51           52           54           55           55           56           53           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           18           73           54           75           76           70           108           73           54           75           75           75           75           75           77           75           70           70           70           70           70           70	Public 90 7,530 432 1,927 1,928 1,928 486 3,927 486 3,927 486 486 3,927 486 486 486 486 486 486 486 486	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 1,225 36,046 1,225 36,046 1,225 3,36,046 1,225 3,38,19 8,29 7,70 3,38,19 8,29 7,20 1,209 1,207 7,03 1,909 1,279 5,4	<b>Tribal</b> 54 504	CC Public 667 900 10,268 144 757 2,864 7,980 90 36 54 1,567 7,728 18 80 22,734 18 7,22 18 30 22,734 18 36 1,765 2,32 30 2,2,32 4,413 649 2,000 7,21	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 77 70 108 84,166 44,639 77 70 108 810 84,166 44,639 106,499 106,499 106,499 23,076 63,247 1,543 1,553 106,20 829 829 63,247 1,554 1,5	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD JUNIPER KLAMATH MIXED CONIFER LACUSTRINIE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD PERENNIAL GRASSLAND PERENNIAL GRASSLAND PERENNIAL GRASSLAND PONDEROSA PINE RED FIR RICE RUCEN	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 19,63 360 18 360 18 361,516 43,990 58,726 18,954 7,530 61,428 98,446 180,068	3 72,7 21,8 15,9 10,2,2 138,0 16,4 32,1, 44,7 6,9 28,9,9 104,1 26,8	Tribal           18           18           78           78           78           78           76           100           51           24           86           55           51           24           85           55           54           18           57           54           18           57           54           18           57           54           18           57           54           18           57           54           18           57           54           55           54           55           54           55           54           55           54           55           54           55           54           55           54           55           54	Public         90           90         7,530           432         1,927           5         2,918           1,189         486           3,927         2           12         2,918           432         126           1,567         4,612           2,938         3,730           432         126           1,567         4,612           2,938         1,637           1,747         2,144           1,657         2,144           1,657         72           2,378         1,44	Private 23,472 216 4,251 1,251 396 54,168 1,225 36,046 46,944 18 1,009 144 18 1,009 144 18 1,009 12 3,819 12 3,819 1,207 7,00 1,207	<b>Tribal</b> 54 504	CC Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 180 22,734 18 36 1,765 829 36 72 302,707 3,170 2,413 649 2,2000 721	nsrensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 72 108 84,639 72 108 84,639 72 108 84,639 72 108 80 83,351 106,496 82,394 82,394 126 82,994 82,2494 126 82,994 82,2494 126,2494	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND COASTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD RESH EMERGENT WETLAND IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD UODEFDLE PINE LODGEFDLE PINE LODGEFDLE PINE LODGEFDLE PINE LOWSAGE MONTANE HARDWOOD-CONIFER MONTANE HARD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,876 1,946 391,516 43,990 58,726 7,530 61,428 98,446 180,068 37,127	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 104,1 26,8 18,0	Tribal           18           54           78           36           76           100           51           24           65           36           77           36           77           37           37           35           77           35           77           36           30           14           14	Public         90           91,7530         432           1,927         5,0880           1,83         1,189           486         3,927           482         2,918           87,530         87,530           432         1,26           1,927         2,918           432         1,26           1,927         2,918           1,747         4,612           2,1647         1,333           72         2,1647           1,3042         378           13,042         13,042	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 1,225 36,046 1,225 36,046 1,225 3,36,046 1,225 3,38,19 8,29 7,70 3,38,19 8,29 7,20 1,209 1,207 7,03 1,909 1,279 5,4	<b>Tribal</b> 54 504	CC Public 667 900 10,268 144 757 2,864 7,980 90 36 54 1,567 7,728 18 80 22,734 18 7,22 18 30 22,734 18 36 1,765 2,32 30 2,2,32 4,413 649 2,000 7,21	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 77 70 108 84,166 44,639 77 70 108 810 84,166 44,639 106,499 180 106,499 180 106,499 180 106,499 3,044 4,053 1,531 1	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD JUNIPER KLAMATH MIXED CONIFER LACUSTRINIE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD PERENNIAL GRASSLAND PERENNIAL GRASSLAND PERENNIAL GRASSLAND PONDEROSA PINE RED FIR RICE RUCEN	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 19,63 360 18 360 18 361,516 43,990 58,726 18,954 7,530 61,428 98,446 180,068	3 72,7, 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 104,1 26,8 18,0	Tribal           18           54           78           36           76           100           51           24           85           55           36           77           375           375           375           375           375           300           14           14	Public         90           91,7530         432           1,927         5,0880           1,83         1,189           486         3,927           482         2,918           87,530         87,530           432         1,26           1,927         2,918           432         1,26           1,927         2,918           1,747         4,612           2,1647         1,333           72         2,1647           1,3042         378           13,042         13,042	Private 23,472 216 4,251 1,117 90 612 396 54,168 1,225 36,046 46,944 18 1,029 21,237 1,207 703 1,207 703 1,207 1,207 91,207 703 1,207 23,819 1,207 1,2	<b>Tribal</b> 54 504	CC Public 9000 10,268 144 757 1,459 2,864 7,980 90 6 54 1,567 7,728 180 22,734 18 72 18 36 1,765 1,765 2,829 36 72 302,707 3,170 2,432 4,413 649 2,000 721 18 14,455	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 77 72 108 106,499 180 106,499 180 106,499 180 106,499 180 106,499 180 106,499 122,307 4,144 1,153 126 23,076 4,164 122,594 414 1,153 126 23,076 4,164 126 23,076 4,164 126 23,076 23,076 23,076 24,075 24,0	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIGUEST DUGUEST EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS ELEFREY PINE JUNIPER KLAMATH MIXED CONIFER MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD PONDEROSA PINE RED FIR RICE NVERINE SAGEBRUSH SIERRAN MIXED CONIFER	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,876 1,946 391,516 43,990 58,726 7,530 61,428 98,446 180,068 37,127	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 104,1 26,8 18,0	Tribal           18           54           78           36           76           100           51           24           85           55           36           77           375           375           375           375           375           300           14           14	Public         90           7,530         432           1,927         5,530           18         1,189           486         3,927           432         2,918           87,530         432           126         1,567           432         126           1,567         4,512           2,990         3,783           1,637         1,6373           14         1,657           13,042         3,585	Private 23,472 216 4,251 396 54,168 1,225 36,046 46,944 18 1,009 144 914 92 2,3,819 2,407 1,007 1	<b>Tribal</b> 54 504	CC Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 1,567 7,728 1,567 7,728 1,567 7,728 1,567 7,273 1,567 3,2707 3,170 2,422 3,020 7,21 3,170 2,422 4,413 6,49 2,000 721 18 14,952 12,2736	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 72 108 108 108 108 108 108 109 199 191 108 100 109 190 190 190 191 108 100 100 100 100 100 100 100 100 10	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-WODDLAND BLUE OAK-WODDLAND BLUE OAK-WODDLAND CHARDER LOSED-CONE PINE CYPRESS COASTAL OAK WODDLAND COASTAL CARW ODDLAND COASTAL SCRUB COASTAL OAK WODDLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD UNITANE HARDWOOD MONTANE HARDWOOD MONT	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,876 1,946 391,516 43,990 58,726 7,530 61,428 98,446 180,068 37,127	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 104,1 26,8 18,0	Tribal           18           54           78           36           76           100           51           24           85           55           36           77           375           375           375           375           375           300           14           14	Public         90           7,530         432           1,927         5,530           18         1,189           486         3,927           432         2,918           87,530         432           126         1,567           432         126           1,567         4,512           2,990         3,783           1,637         1,6373           14         1,657           13,042         3,585	Private 23,472 216 4,251 1,117 90 612 396 1,225 36,046 46,944 18 1,025 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 3,047 1,275	<b>Tribal</b> 54 504	Cc Public 900 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 18 30 22,734 18 36 1,765 829 36 72 302,707 3,170 2,432 4,413 649 2,000 7,21 8 14,455 2,2,000 7,21 8	nsrensus Private 10,628 43,053 252 1,531 1,531 4,594 4,639 72 108 84,630 44,639 72 108 106,499 108 106,499 108 122,391 122,391 126 126 127 126 126 126 126 126 126 126 126	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ALPINE DWARF-SHRUB BARREN BITTERBRUSH BUTTERBRUSH BUL OAK-VOODLAND BUL OAK-VOOTHILP INE CHAMISE-REDSHANK CHAPARRAL COSED-CONE PINE-CYPRESS COASTAL SCRUB COODLAND DECIDUOUS ORCHARD DUGLAS FIN DECIDUOUS ORCHARD DUGLAS FIN EUCALYPTUS EVERGREEN ORCHARD DRYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS EIFREY PINE EUFRER NORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS EFFREY PINE EUFRER ORCHARD IRRIGATED GRAIN CROPS EFFREY PINE EUFRER PINE EFFREY PINE EFFREY PINE IDOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE IDOGEPOLE PINE IDOGEFOLE PINE IDOGEFOLE PINE IDOGEFOLE PINE IDOGEFOLE PINE IDOGEFOLE PINE IDONTAME HARDWOOD-CONIFER MONTAME HARDWOOD-CONIFER MONTAME HARDWOOD-CONIFER MONTAME HARDWOOD-CONIFER SIGEBRUSH SIERRIN MIXED CONIFER SUBALPINE CONIFER SUBALPINE CONIFER SUBALPINE CONIFER SUBALPINE CONIFER SUBALPINE CONIFER	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,876 1,946 391,516 43,990 58,726 7,530 61,428 98,446 180,068 37,127	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 104,1 26,8 18,0	Tribal           18           54           78           36           76           100           51           24           85           55           36           77           375           375           375           375           375           300           14           14	Public         90           7,530         432           1,927         5,530           18         1,189           486         3,927           432         2,918           87,530         432           126         1,567           432         126           1,567         4,512           2,990         3,783           1,637         1,6373           14         1,657           13,042         3,585	Private 23,472 216 4,251 1,117 90 612 396 1,225 36,046 46,944 18 1,025 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 3,047 1,275	<b>Tribal</b> 54 504	CC Public 900 10,268 144 757 7,1,459 2,864 7,980 90 36 54 1,567 7,28 180 22,734 18 300 22,734 18 36 72 302,707 3,170 2,432 36 72 302,707 3,170 2,432 4,413 649 2,000 721 18 14,955 2,2,000 721 18	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 77 108 84,166 44,639 77 108 84,166 44,639 106,499 1106,499 1106,499 123,076 4,146 1,153 3,351 1,254 4,146 1,153 1,254 4,146 1,153 1,254 4,146 4,166 1,153 1,254 4,146 4,166 1,153 1,254 1,1	Trib. 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-OODTHLE PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL AK WOODLAND COASTAL AK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIECE DEFERVING CONFER URBARN VALLEY OOCHILL RIPARIAN VALLEY OOCHILL RIPARIAN VALLEY OOCHILL RIPARIAN VALLEY OAK WOODLAND	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,946 360 18 391,516 43,990 58,763 61,428 98,446 180,068 37,127 804,000	3 72,7 21,8 15,9 10,2 138,0 16,4 32,1 144,7 6,9 28,9 104,1 26,8 18,0 545,1	Tribal           18           54           78           36           76           102           51           24           86           55           51           24           85           53           54           18           35           77           55           18           377           54           89           30           144           75           216	Public         90           90         7,530           432         1,927           5         2,918           3,927         2           486         6           432         2,918           87,530         432           126         1,567           4,612         1,264           1,947         2,944           1,677         2,144           1,673         3,785           1,747         72           2,344         13,042           13,042         3,585           14,195         3,585	Private 23,472 216 4,251 1,17 90 612 396 54,168 1,225 36,046 46,944 18 1,009 12 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 36,046 1,225 1,225 36,046 1,225 1,255	<b>Tribal</b> 54 504	cc Public 900 10,268 144 757 1,459 2,864 7,980 90 2,864 1,459 2,864 1,567 7,728 180 22,734 18 366 1,765 829 36 61,765 829 36 61,765 829 36 72 302,707 2,432 4,413 649 2,2,000 721 18 14,952 12,736 4,912 12,815 12,916 14,915 12,916 12,916 13,916 14,915 14,9	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 4,639 72 72 72 72 72 72 72 72 72 72 72 72 72	Trib. 2 1
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ALPINE DWARF-SHRUB BARREN BITTERRRUSH BUTTERRRUSH BLUE OAK-POOTHILE PINE CHAMISE-REDSHANK CHAPARRAL COSED-CONE PINE-CYPRESS COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR DEVLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD DEVLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DARIN CROPS IRRIGATED RAW AND FIELD CROPS IRRIGATED RAW AND FIELD CROPS IRRIGATED RAW AND FIELD CROPS IRRIGATED RAW AND FIELD CROPS IRRIGATED RAN TAKEN DONTAN E HARDWOOD MONTAM FIRARWOOD-CONIFER MONTAM ENDARARAL MONTAM	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 1,946 28,804 216,510 54,76 1,946 360 58,726 7,530 61,428 98,446 180,068 37,127 804,000	3 72,7 21,8 15,9 10,2 138,0 16,4 32,1 44,7 6,9 28,9 104,1 26,8 18,0 545,1 20,4	Tribal           18           54           78           36           77           108           51           24           55           54           35           36           37           38           37           342           35           36           37           342           37           342           37           342           37           342           37           38           39           314           32           33           342           35           36           37           38           39           342           342           342           342           342           342           342           342           342           343           344           344           345	Public 90 7,530 1,927 5,0880 1,189 486 3,927 486 432 2,918 87,530 432 2,918 87,530 432 1,267 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27	Private 23,472 216 4,251 390 612 396 54,168 1,225 36,046 46,944 18 1,009 144 197 7,29 1,009 1,44 197 7,21 3,29 1,205 1,205 1,215 1,205 1,405 1,205 1,205 1,4	<b>Tribal</b> 54 504	cc Public 9000 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 18 30 22,734 18 72 18 30 22,734 18 36 1,765 7,728 18 30 22,734 18 36 22,000 721 3,170 2,432 4,413 649 2,000 721 18 14,455 2,200 721 18 14,272 3,02707 3,170 2,432 4,413 649 2,000 721 18 14,459 2,000 721 18 14 14,59 2,854 16 17 18 18 18 19 19 19 10 10,268 14 14 15 19 10 10,268 14 10,268 14 10,268 1	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 77 108 84,166 44,669 106,499 1106,499 1106,499 1106,499 1106,499 123,076 63,247 12,594 414 1,153 36 63,247 22,594 414 1,153 36 63,247 2,594 4,1254,125 4,125 4,125 4,125 4,125 4,1254,125 4,125 4,125 4,1254,125 4,125 4,1254,125 4,125 4,125 4,1254,125 4,125 4,1254,125 4,125	Trib:
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-OOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIVISION EUGALYPTUS EUGALYPTUS EUGALYPTUS EUFEREY IPINE JUNIPER KLAMATH MIXED CONIFER MONTANE CHAPARRAL MONTANE HARDWOOD ONDEROSA PINE RED FIR RICE RICE RIVERINE SAGEBRUSH SCHERAN VALLEY FOOTHILR RIPARIAN VALLEY FOOTHILR RIPARIAN	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 19,65 360 18 360,5476 18,968 360,120 18 391,516 43,990 58,726 18,068 180,068 37,127 804,000	3 72,7 21,8 15,9 10,2 138,0 16,4 32,1 144,7 6,9 28,9,9 28,9,9 104,1 26,8 18,0 545,1	Tribal           18           18           78           78           76           100           77           50           24           86           55           51           24           86           55           18           77           54           18           77           54           18           77           54           18           77           54           18           18           18           18           18           18           18           18           10           11           12           13           14           14           14           14           15           164           64	Public 90 7,530 1,927 5,432 1,927 1,927 1,83 1,189 485 6 3,927 2,918 87,530 432 2,918 87,530 432 1,265 1,567 4,612 2,998 432 1,265 1,567 4,512 2,298 1,1657 3,782 1,1657 2,214 1,1657 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,214 2,214 1,214	Private 23,472 216 4,251 1,205 54,168 1,225 36,046 46,944 18 1,009 144 19 10 72 3,819 1,207 703 1,009 1,279 5,108 3,098 1,275 1,207 7,319 1,207	Tribal 54	CC Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 1,567 7,728 1,567 7,728 1,567 7,278 1,567 7,278 1,567 7,278 1,567 3,2707 3,170 2,432 4,413 649 2,000 721 18 14,952 12,2736 4,413 649 2,000 721 18	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 72 108 84,639 72 108 84,639 72 108 84,639 72 108 84,639 72 108 84,639 106,499 23,076 414 1,543 3,651 1,549 4,590 3,044 4,590 4,	Triba 2 1 1,2 : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-OOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIVISION EUGALYPTUS EUGALYPTUS EUGALYPTUS EUFEREY IPINE JUNIPER KLAMATH MIXED CONIFER MONTANE CHAPARRAL MONTANE HARDWOOD ONDERSA PINE EED FIR RICE RICE RIVERINE SAGEBRUSH SCHERAN VALLEY FOOTHILR RIPARIAN VALLEY OAK WOODLAND VINEYARD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 1,946 28,804 216,510 54,76 1,946 360 58,726 7,530 61,428 98,446 180,068 37,127 804,000	3 72,7 21,8 15,9 10,2 138,0 16,4 32,1 144,7 6,9 28,9,9 28,9,9 104,1 26,8 18,0 545,1	Tribal           18           18           78           78           76           100           77           50           24           86           55           51           24           86           55           18           77           54           18           77           54           18           77           54           18           77           54           18           18           18           18           18           18           18           18           10           11           12           13           14           14           14           14           15           164           64	Public 90 7,530 1,927 5,0880 1,189 486 3,927 486 432 2,918 87,530 432 2,918 87,530 432 1,267 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27 432 2,918 87,530 1,27	Private 23,472 216 4,251 1,205 54,168 1,225 36,046 46,944 18 1,009 144 19 10 72 3,819 1,207 703 1,009 1,279 5,108 3,098 1,275 1,207 7,319 1,207	<b>Tribal</b> 54 504	CC Public 90 10,268 144 757 1,459 2,864 7,980 90 36 54 1,567 7,728 1,567 7,728 1,567 7,728 1,567 7,278 1,567 7,278 1,567 7,278 1,567 3,2707 3,170 2,432 4,413 649 2,000 721 18 14,952 12,2736 4,413 649 2,000 721 18	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 77 108 84,166 44,669 106,499 1106,499 1106,499 1106,499 1106,499 123,076 63,247 12,594 414 1,153 36 63,247 22,594 414 1,153 36 63,247 2,594 4,1254,125 4,125 4,125 4,125 4,125 4,1254,125 4,125 4,125 4,1254,125 4,125 4,1254,125 4,125 4,125 4,1254,125 4,125 4,1254,125 4,125	Triba 2 1 1,2 : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-OOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIVISION EUGALYPTUS EUGALYPTUS EUGALYPTUS EUFEREY IPINE JUNIPER KLAMATH MIXED CONIFER MONTANE CHAPARRAL MONTANE HARDWOOD ONDERSA PINE EED FIR RICE RICE RIVERINE SAGEBRUSH SCHERAN VALLEY FOOTHILR RIPARIAN VALLEY OAK WOODLAND VINEYARD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 54,76 19,65 360 18 360,5476 18,968 360,120 18 391,516 43,990 58,726 18,068 180,068 37,127 804,000	3 72,7 21,8 15,9 10,2 138,0 16,4 32,1 144,7 6,9 28,9,9 28,9,9 104,1 26,8 18,0 545,1	Tribal           18           18           78           78           76           100           77           50           24           86           55           51           24           86           55           18           77           54           18           77           54           18           77           54           18           77           54           18           18           18           18           18           18           18           18           10           11           12           13           14           14           14           14           15           164           64	Public 90 7,530 1,927 5,432 1,927 1,927 1,83 1,189 485 6 3,927 2,918 87,530 432 2,918 87,530 432 1,265 1,567 4,612 2,998 432 1,265 1,567 4,512 2,298 1,1657 3,782 1,1657 2,214 1,1657 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,1657 2,214 1,214 2,214 1,214	Private 23,472 216 4,251 1,205 54,168 1,225 36,046 46,944 18 1,009 144 19 10 72 3,819 1,207 703 1,009 1,279 5,108 3,098 1,275 1,207 7,319 1,207	Tribal 54	CC Public 90 10,268 144 757 7,1459 2,864 7,980 90 36 54 1,567 7,728 1,567 7,728 1,567 7,728 1,567 7,728 1,567 2,2,734 18 36 1,765 8,29 36 7,20 3,170 2,2,342 4,413 6,49 2,000 721 18 14,455 2,12,736 3,170 2,432 4,413 6,49 3,100 2,136 4,49 2,2,000 7,21 18 14,455 2,2,000 7,21 18 14,455 2,2,000 7,21 18 14,459 2,2,000 7,21 18 14,459 2,2,000 7,21 18 14,459 2,2,000 7,21 18 14,459 2,2,000 7,21 18 14,459 2,2,000 7,21 18 14,459 19 10,257 10,25	nsensus Private 10,628 43,053 252 1,531 1,531 1,531 4,594 44,639 72 108 84,639 72 108 84,639 72 108 84,639 72 108 84,639 72 108 84,639 106,499 23,076 414 1,543 3,651 1,549 4,590 3,044 4,590 4,	Triba 2 1 1,2 : : : : : : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-OOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DIVISION EUGALYPTUS EUGALYPTUS EUGALYPTUS EUFEREY IPINE JUNIPER KLAMATH MIXED CONIFER MONTANE CHAPARRAL MONTANE HARDWOOD ONDERSA PINE EED FIR RICE RICE RIVERINE SAGEBRUSH SCHERAN VALLEY FOOTHILR RIPARIAN VALLEY OAK WOODLAND VINEYARD	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,96 300 18 391,516 43,990 58,726 300 18,391 58,726 30,127 804,000 16,231 252,844 2,396,004 Refugia -	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9 104,1 26,8 18,0 545,1 20,4 62,8 1,275,7	Tribal           18           78           78           76           106           51           24           65           51           24           55           77           55           36           77           54           30           14           75           21           64           64           64           64           64           64           64           64           65           714           95:           Consensu:	Public         90           7,530         432           1,927         5,810           18         1,189           486         3,927           5         2,918           87,530         432           126         1,567           432         126           1,567         4,312           2,948         87,530           432         126           1,567         3,78           7,2         2,144           1,637         3,78           14         13,042           5,48         7,368           5,41,195         5,4           7,368         6,954           6,195         4,195	Private 23,472 216 4,251 216 4,251 396 54,168 1,225 36,046 46,944 18 1,009 144 18 1,009 1,407 703 1,909 1,279 703 1,909 1,279 54 36 21,581 1,275 2,168 1,225 2,168 1,225 2,168 1,225 1,255	Tribal 54 54 504 144 144 503 503 503 503 503 503 503 503 503 503	CC Public 900 10,268 144 757 7,1,459 2,864 7,980 90 36 54 1,567 7,728 18 300 22,734 18 36 1,765 829 36 7,22 18 300 22,734 18 36 7,22 18 36 7,22 18 36 7,22 12,360 2,360 406,882 90 2,360 406,882	nsensus Private 10,628 43,053 252 1,531 1,531 4,594 44,639 72 108 84,166 44,639 72 108 106,499 180 180 19,151 22,391 108 122 23,911 126 126 126 126 126 127 126 126 126 126 126 126 126 126	Triba 2 1 1,2: : : : : : : : : : : : : : : : : : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BAREN BITTERBRUSH BLUE DAK-YOODLAND CLOSED-CONE PINE CYPRESS COASTAL OAK WOODLAND COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK WOODLAND COASTAL OAK	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,504 5,476 1,946 360 18 391,516 43,990 58,7530 61,428 98,446 180,068 37,127 804,000 16,231 252,844 <b>2,396,004</b>	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9 104,1 26,8 18,0 545,1 20,4 62,8 1,275,7	Tribal           18           78           78           76           106           51           24           65           51           24           85           53           77           54           35           77           54           89           30           14           75           21           64           64           64           64           64           64           65           64           65           64           65           64           65           64           65           66           67           71           72           73           74           75           76           77           78           79           71           74           75	Public 90 7,530 1,927 5,027 5,027 5,027 432 1,927 5,027 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 87,530 432 2,938 4,612 2,338 1,657 3,782 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,338 1,449 2,348 1,449 2,338 1,449 2,338 1,449 2,348 1,449 2,338 1,449 2,348 1,449 2,338 1,449 2,348 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449 2,448 1,449	Private 23,472 216 4,251 216 4,251 396 54,168 1,225 36,046 46,944 18 1,009 144 18 1,009 1,407 703 1,909 1,279 703 1,909 1,279 54 36 21,581 1,275 2,168 1,225 2,168 1,225 2,168 1,225 1,255	Tribal 54 54 504 144 144 503 503 503 503 503 503 503 503 503 503	CC Public 900 10,268 144 757 1,459 2,864 7,980 90 2,864 1,567 7,728 18 30 22,734 18 30 22,734 18 30 22,734 18 36 1,765 829 36 72 302,707 3,170 2,432 302,707 3,170 2,432 4,413 649 2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,000 7,218 14,455 2,2,24 1,567 1,567 1,728 1,567 1,728 1,807 1,567 1,228 1,227 1,228 1,227 1,228 1,227 1,228 1,227 1,228 1,227 1,228 1,227 1,228 1,227 1,228 1,227 1,228	nsrensus Private 10,628 43,053 252 1,531 4,594 4,639 72 108 108 44,639 72 108 108 44,639 72 108 108 44,639 72 108 108 108 108 108 108 109 109 109 109 109 109 109 109 109 109	Trib: 2 1: 1,2: : : : : : : : : : : : : : : : : : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUE OAK-VOODLAND CIAMUSE-REDSHANK (CHAPARRAL (LOSED-CONE PINE-CYPRESS COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB DECIDOUS OKCHARD DECIDOUS OKCHARD DISTONE EUCALYPUS EUCALYPUS EUCALYPUS UNITAE CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER SUBALINE CONIFER SUBALINE	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,96 300 18 391,516 43,990 58,726 300 18,391 58,726 30,127 804,000 16,231 252,844 2,396,004 Refugia -	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9 104,1 26,8 18,0 545,1 20,4 62,8 1,275,7	Tribal           18           78           78           76           106           51           24           65           51           24           85           53           77           54           35           77           54           89           30           14           75           21           64           64           64           64           64           64           65           64           65           64           65           64           65           64           65           66           67           71           72           73           74           75           76           77           78           79           71           74           75	Public 90 7,530 1,927 5,432 1,927 1,937 1,447 1,937 1,94	Private 23,472 216 4,251 4,251 396 54,168 1,225 36,046 46,944 18 1,225 36,046 46,944 18 1,225 36,046 1,225 3,216 1,225 36,046 1,225 3,109 1,209 1,	Tribal 54 54 504 144 144 503 503 503 503 503 503 503 503 503 503	CC Public 900 10,268 144 757 7,1,459 2,864 7,980 90 36 54 1,567 7,728 18 300 22,734 18 36 1,765 829 36 7,22 18 300 22,734 18 36 7,22 18 36 7,22 18 36 7,22 12,360 2,360 406,882 90 2,360 406,882	nsrensus Private 10,628 43,053 252 1,531 4,594 4,63 4,639 72 108 108 108 108 108 1,531 1,532 1,5	Trib: 2 1: 1,2: : : : : : : : : : : : : : : : : : :
2070	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BAREN BITTERBRUSH BLUE DAK-YOODLAND CLOSED-CONE PINE CYPRESS COASTAL OAK WOODLAND COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK AND WOOD COASTAL OAK WOODLAND COASTAL OAK	Public 883 270 144 288 106,120 49,863 33,416 28,804 216,510 5,476 1,96 300 18 391,516 43,990 58,726 300 18,391 58,726 30,127 804,000 16,231 252,844 2,396,004 Refugia -	3 72,7 21,8 15,9 10,2 138,0 16,4 109,4 32,1 44,7 6,9 28,9 104,1 26,8 18,0 545,1 20,4 62,8 1,275,7	Tribal           18           78           78           76           106           51           24           65           51           24           85           53           77           54           35           77           54           89           30           14           75           21           64           64           64           64           64           64           65           64           65           64           65           64           65           64           65           66           67           71           72           73           74           75           76           77           78           79           71           74           75	Public         90           7,530         432           1,927         5,810           18         1,189           486         3,927           5         2,918           87,530         432           126         1,567           432         126           1,567         4,312           2,948         87,530           432         126           1,567         3,78           7,2         2,144           1,637         3,78           14         13,042           5,48         7,368           5,41,195         5,4           7,368         6,954           6,195         4,195	Private 23,472 216 4,251 1,205 36,046 1,225 3,009 1,207 7,030 1,207 3,098 1,207 3,099 1,207 1,207 3,099 1,207	Tribal 54 54 504 144 144 503 503 503 503 503 503 503 503 503 503	CC Public 900 10,268 144 757 1,459 2,864 7,980 90 2,864 1,567 7,728 18 30 22,734 18 30 22,734 18 30 22,734 18 36 1,765 829 36 72 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 302,707 3,170 2,432 4,413 3,170 2,432 4,413 3,170 2,432 4,413 3,170 2,432 4,413 6,1765 7,178 8,100 2,432 4,413 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,174 4,113 6,1765 7,178 8,100 2,177 4,113 6,1765 7,178 8,100 2,177 7,178 8,100 2,177 7,178 7,179 7,178 7,	nsensus Private 10,628 43,053 252 2531 2531 2531 2531 2531 2531 253	Triba : 22 19 1,2: : : : : : : : : : : : : : : : : : :

								•		sure
	Land Cover Type (WHR)	Refugia -				osure - Co			onsensus	
	ALPINE DWARF-SHRUB	Public	Private	Tribal	Public	Private	Tribal	Public 288	Private 36	
		306	324							
	ANNUAL GRASSLAND ASPEN	306	324		11,403			3,080 252	6,431 450	
					3,387					
	BARREN				1,387	1,909		2,000	1,027	
	BITTERBRUSH							26,120	3,495	
	BLUE OAK WOODLAND	54						973	4,684	
	BLUE OAK-FOOTHILL PINE	1,117	919		18			7,242		
	CLOSED-CONE PINE-CYPRESS	5,350	180		36			793	162	
	COASTAL OAK WOODLAND								18	
	CROPLAND				1,117	24,265		54	1,549	
	DOUGLAS FIR	30,354	24,949		883			40,946	34,353	
	DRYLAND GRAIN CROPS					54		144	6,665	
	EASTSIDE PINE				4,540	630		232,651	113,560	
	EVERGREEN ORCHARD								36	
	FRESH EMERGENT WETLAND							72	108	
	IRRIGATED GRAIN CROPS								865	
	IRRIGATED HAYFIELD				18	973		2,828	65,175	
	IRRIGATED ROW AND FIELD CROPS								396	
	JEFFREY PINE	6,575	4,467		72	36		901	90	
	JUNIPER				7,368	2,234		16,213	2,954	
	KLAMATH MIXED CONIFER	117,307	56,420		17,780	20,482		8,286	5,458	
2100	LACUSTRINE	7,440	4,522		18	36		14,573	360	
2100	LODGEPOLE PINE				1,783			10,448	2,306	
	LOW SAGE							230,525	57.609	
	MIXED CHAPARRAL	30.318	17.780		162	72		10.934	6.539	
	MONTANE CHAPARRAL	195.073	,		6.269			4.233	2,720	
	MONTANE HARDWOOD	25.346	15,096		0,200	1,/ 11		48,710		
	MONTANE HARDWOOD-CONIFER	21,743	16,915		54			32,551		
	MONTANE RIPARIAN	11.781	6.575		54			52,551	22,700	
	PASTURE	11,/01	1,207			973				
	PERENNIAL GRASSLAND	8.917	1,207			5/5				
	PONDEROSA PINE	79,478	54.312					12.466	12.808	
	RED FIR	2,864	54,312		15,870	1.351		12,466	12,808	
	REDFIR	2,004	90		13,670	1,551		12,172	1,225	
	RIVERINE		18					180		
	SAGEBRUSH		18					70,110		
	SIERRAN MIXED CONIFER	234,776	467.244		19.996	10.808	54	53.249	42.117	
	SIERRAN MIXED CONIFER	234,776	167,314		19,996		54	53,249	42,117	
	URBAN				685 54					
					54	360		504	2,882	
	VALLEY FOOTHILL RIPARIAN							108	144	
	VALLEY OAK WOODLAND								36	
	VINEYARD	_							36	
	WET MEADOW	594	18		3,909		252	108	865	
	WHITE FIR	50,583	16,429		6,053			56,438	9,764	
	Total:	829,976	443,108	54	102,860	93,330	306	914,948	500,681	. 1.

	Land Cover Type (WHR)								ligh Expos	ure -
	Land Cover Type (WHR)	Refugia -			High Expo				onsensus	
		Public	Private	Tribal	Public 36	Private	Tribal		Private	Tribal
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND						54	36	0.005	18
					6,305 288	17,293	54	4,864	8,665	18
	ASPEN BARREN	594				108		126 594	252 234	
	BITTERBRUSH	594 198	36		1,621	3,657		594 811	234	
		198	30		5,080	1,045				
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE				18 1.081	90 540		1,117	4,089	
	CLOSED-CONE PINE-CYPRESS				468	396		5,260 18	10,502	
	COASTAL OAK WOODLAND				408	396		18	10	
	CROPLAND				2.446	44.711	504	4 5 4 2	18 82.252	216
	DOUGLAS FIR				3,116		504	1,513		210
	DOUGLAS FIR DRYLAND GRAIN CROPS	65,157	55,951		1,063	432		6,701	2,576	
	EASTSIDE PINE	26 5 4 4	12 204		60.605	22.247		180 20.662	7,440	198
		36,514	12,304		69,696	22,247		20,062	19,978 36	198
	EVERGREEN ORCHARD FRESH EMERGENT WETLAND							72	36 126	
	IRRIGATED GRAIN CROPS							/2	901	
	IRRIGATED GRAIN CROPS				432	34,947	144	18	15.132	
	IRRIGATED ROW AND FIELD CROPS				432	34,947	144	18	15,132 396	
	JEFFREY PINE	18.302	10.394		126	18		36	590	
	JUNIPER	8.881	2.864		120	10		1.711	793	54
	KLAMATH MIXED CONIFER	154,758	120.459		955	414		811	126	34
	LACUSTRINE	2.918	2,450		4.467	144		36	120	
2070	LODGEPOLE PINE	1.801	2,430		2,864	901		50	36	
	LOW SAGE	1,001	50		2,804	901		219.825	55.879	360
	MIXED CHAPARRAL				1.063	1.477		2.738	901	500
	MONTANE CHAPARRAL	298.384	82,234	72	1,005	558		1.027	1.225	
	MONTANE HARDWOOD	298,584	17,636	18	1,019	847		4.233	3,279	18
	MONTANE HARDWOOD-CONIFER	49.232	34,425	10	594	342		4,233	234	10
	MONTANE RIPARIAN	49,232	6.287		354	542		414	254	
	PASTURE	0,757	0,207		72	1.369				
	PERENNIAL GRASSLAND	41.937	23.670	54	12	1,505				
	PONDEROSA PINE	70.471	65.571	342	216	90		1,765	883	36
	RED FIR	105,958	12,646	542	144	54		721	005	50
	RICE	100,000	12,040		144	34		,21	360	
	RIVERINE					36			500	
	SAGEBRUSH	2.162	1,946		13,024	20,932		11,889	2,756	36
	SIERRAN MIXED CONIFER	635,047	429,796	216	3,387	1.549		9,836	2,756	50
	SUBALPINE CONIFER	000,047	425,750	-10	6.809	1,545		216	2,750	
	URBAN				0,005	144		450	8.593	
	VALLEY FOOTHILL RIPARIAN					2.44		108	396	
	VALLEY OAK WOODLAND							100	550	
	VINEYARD								36	
	WET MEADOW	5.764	10,736		54	685		90	270	
	WHITE FIR	161.639	48,295		6.665	1.891		2.234	649	
		1,696,034	937,736	703	132,799		703	300,167		937
	Totali	2,220,004		,	,,,,,,	,550		223,207	,110	557

Land Cover Type (WHR)	Refugia -		Consensus	High Exp	osure - Coi	nsensus	Very High Exposure - Consensus			
	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal	
ALPINE DWARF-SHRUB				54	36					
ANNUAL GRASSLAND				7,386	9,187	36	10,916	31,056		
ASPEN	2,072		72	54	72		126	108		
BARREN	16,825	5	58	3,585	5,945					

	BARREN	28,894	1,405		4,485	7,224						BITTERBRUSH	4,377	342		198	
	BITTERBRUSH BLUE OAK WOODLAND	28,822	3,585	18	1,495	793		6,413 432	1,171 2,720			BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE				162	144
	BLUE OAK-FOOTHILL PINE	919	1,099		901	1,351		2,954	198			CLOSED-CONE PINE-CYPRESS	126	18		757	198
	CHAMISE-REDSHANK CHAPARRAL					72			18			COASTAL OAK WOODLAND					
	CLOSED-CONE PINE-CYPRESS	937	504		937	198		667	522			CROPLAND	54	2,918			
	COASTAL OAK WOODLAND COASTAL SCRUB											DOUGLAS FIR DRYLAND GRAIN CROPS	76,866	66,183	72	7,061	4,071
	CROPLAND	180	15,132					414	19,311			EASTSIDE PINE	206,981	65,121	54	18,536	7,152
	DECIDUOUS ORCHARD								180			EVERGREEN ORCHARD					
	DOUGLAS FIR	113,182	98,987	180	18,861	5,440		7,836	4,359			FRESH EMERGENT WETLAND					
	DRYLAND GRAIN CROPS					36		162	5.386			IRRIGATED GRAIN CROPS					
	EASTSIDE PINE	318,199	91,907	54	19.149	8,106		9,439	4,702			IRRIGATED GRAIN CROPS				18	4,774
	EUCALYPTUS	,			., .	.,		.,	18			IRRIGATED ROW AND FIELD CROPS	5				,
	EVERGREEN ORCHARD							18	757			JEFFREY PINE	17,942	13,943		18	
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS							72	594 919			JUNIPER KLAMATH MIXED CONIFER	110,083 132,241	52,295 114,479	3,531	5.963	1,603
	IRRIGATED HAYFIELD				18	7,278		18	6.863		2040	LACUSTRINE	7.260	4.053		1.009	937
	IRRIGATED ROW AND FIELD CROPS					.,			414			LODGEPOLE PINE	16,231	396		_,	
2040	JEFFREY PINE	33,506	20,104		54	18						LOW SAGE	54	36		432	
	JUNIPER KLAMATH MIXED CONIFER	169,349 150,129	66,291 123,486	3,801	18 11,349	2,846		1,693 1,549	1,297 378			MIXED CHAPARRAL MONTANE CHAPARRAL	303,428	87,080	90	5,764	4,071 1,135
	LACUSTRINE	10,322	42,081		1,369	1,027		486	594			MONTANE HARDWOOD	31,128	21,545	18	1,171 13,042	7,224
	LODGEPOLE PINE	31,254	1,783		,	,.		18	54			MONTANE HARDWOOD-CONIFER	55,789	43,162	36	12,358	8,016
	LOW SAGE	1,387	198		1,315	18		4,540	504			MONTANE RIPARIAN	2,954	3,405			
	MIXED CHAPARRAL MONTANE CHAPARRAL	18 395,479	18 115,992	90	7,944 1,783	10,196 1,279		7,818 198	6,809 54	18		PASTURE PERENNIAL GRASSLAND	44,819	27,255	54		2,162 180
	MONTANE HARDWOOD	46,170	45,882	36	18,735	9,151		10,646	5,674			PONDEROSA PINE	62,725	79,856	360	2,540	2,378
	MONTANE HARDWOOD-CONIFER	64,508	55,717	54	17,239	10,214		6,395	2,486			RED FIR	155,821	19,978		72	
	MONTANE RIPARIAN	4,431	4,323									RICE					
	PASTURE	68.885	24 650	144	90 252	2,936 234		54	2,882			RIVERINE SAGEBRUSH	36	18 27,381	18	18	
	PERENNIAL GRASSLAND PONDEROSA PINE	74,578	34,659 121,648	360	3,441	234 2,612		3,513	1,351			SIERRAN MIXED CONIFER	56,078 663,887	489,674	360	2,468	36
	RED FIR	257,924	42,621	500	324	36		2,313	_,551			SUBALPINE CONIFER	2,144		500	72	50
	RICE								360			URBAN					72
	RIVERINE SAGEBRUSH	36 139.698	18 100,320	18	18			36 10.844	162 4.359	36		VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND					
	SAGEBRUSH SIERRAN MIXED CONIFER	139,698 795,696	100,320 585,526	18 360	7,242	234		10,844 180	4,359	36		VALLEY OAK WOODLAND					
	SUBALPINE CONIFER	6,053			126							WET MEADOW	9,349	20,266	252	144	108
	URBAN				36	450		901	16,537			WHITE FIR	289,575	69,912		18	36
	VALLEY FOOTHILL RIPARIAN					72		144	594			Total:	2,268,843	1,209,945	4,846	82,900	59,536
	VALLEY OAK WOODLAND VINEYARD								36								
	WET MEADOW	20,176	39,018	252	360	540		90	90								
	WHITE FIR	400,577	87,872		180	54		72									
	Total:	3,164,318	1,700,358	5,368	127,269	85,206	36	92,105	136,240	72							
		Refugia		<	High Expo	sure	95-	Very Hi	gh Exposur	e			Refugia		<	High Expo	sure
	Land Cover Type (WHR)		80%			99%		;	<b>99%</b>			Land Cover Type (WHR)		80%			99%
		Public	Private	Tribal	Public	Private	Tribal F	Public	Private T	ribal			Public	Private	Tribal	Public	Private Tri
	ALKALI DESERT SCRUB	72			288	4,792			342			ALPINE DWARF-SHRUB				270	36
	ALPINE DWARF-SHRUB	72 576	16,879	18	504	4,792 36	72	90	342	- Ibui		ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN	3,477	234		20,572	36 32,515 270
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN	576 4,918	16,879 468	18	504 24,139 198	4,792 36 51,322 306		90 14,267 270	342 18,176 126			ANNUAL GRASSLAND ASPEN BARREN	3,477 12,358	234 1,369		20,572 198 11,925	32,515
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN	576 4,918 29,327	468 6,845	18	504 24,139 198 17,762	4,792 36 51,322 306 12,087		90 14,267 270 16,879	342 18,176 126 3,369			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH				20,572 198 11,925 180	32,515 270 7,007 18
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH	576 4,918 29,327 64,994	468 6,845 13,637		504 24,139 198 17,762 2,936	4,792 36 51,322 306 12,087 1,063		90 14,267 270 16,879 739	342 18,176 126 3,369 90			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND	12,358 25,652	1,369 2,954		20,572 198 11,925 180 180	32,515 270 7,007 18 1,585
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN	576 4,918 29,327	468 6,845	18	504 24,139 198 17,762	4,792 36 51,322 306 12,087		90 14,267 270 16,879	342 18,176 126 3,369			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH	12,358	1,369		20,572 198 11,925 180	32,515 270 7,007 18
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL	576 4,918 29,327 64,994 486 4,990	468 6,845 13,637 13,060 30,606	18	504 24,139 198 17,762 2,936 594 9,872 378	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396		90 14,267 270 16,879 739 919 3,423 180	342 18,176 126 3,369 90 6,827 2,108 324			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHIL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	12,358 25,652 3,152 180	1,369 2,954 6,557 18		20,572 198 11,925 180 180 5,332 1,837	32,515 270 7,007 18 1,585 1,837 1,027 18
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARERN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRALL CLOSED-CONE PINE-CYPRES	576 4,918 29,327 64,994 486	468 6,845 13,637 13,060	18	504 24,139 198 17,762 2,936 594 9,872 378 2,036	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117		90 14,267 270 16,879 739 919 3,423	342 18,176 126 3,369 90 6,827 2,108 324 108			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-WOODLAND BLUE OAK-FOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND	12,358 25,652 3,152 180 8,485	1,369 2,954 6,557 18 145,481	1,441	20,572 198 11,925 180 5,332 1,837 378	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL	576 4,918 29,327 64,994 486 4,990	468 6,845 13,637 13,060 30,606	18	504 24,139 198 17,762 2,936 594 9,872 378	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396		90 14,267 270 16,879 739 919 3,423 180	342 18,176 126 3,369 90 6,827 2,108 324			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHIL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	12,358 25,652 3,152 180	1,369 2,954 6,557 18		20,572 198 11,925 180 180 5,332 1,837	32,515 270 7,007 18 1,585 1,837 1,027 18
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND	576 4,918 29,327 64,994 486 4,990	468 6,845 13,637 13,060 30,606	18	504 24,139 198 17,762 2,936 594 9,872 378 2,036	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764		90 14,267 270 16,879 739 919 3,423 180	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK-WOODLAND BIUE OAK-FOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUIGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE	12,358 25,652 3,152 180 8,485	1,369 2,954 6,557 18 145,481	1,441	20,572 198 11,925 180 5,332 1,837 378 5,008	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CLAMMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD	576 4,918 29,327 64,994 486 4,990 1,495 9,367	468 6,845 13,637 13,060 30,606 721 176,159	18 144 1,441	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72		90 14,267 270 16,879 739 919 3,423 180 198	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BILUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DOUGLAS FIR DRYLAND GRAIN CROPS EASTBIDE PINE EVERGREEN ORCHARD	12,358 25,652 3,152 180 8,485 97,888	1,369 2,954 6,557 18 145,481 90,736	1,441 72	20,572 198 11,925 180 5,332 1,837 378 5,008 72	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSEC-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB DECIDUOUS ORCHARD DUGGLAS FIR	576 4,918 29,327 64,994 486 4,990 1,495	468 6,845 13,637 13,060 30,606 721 176,159 136,204	18 144	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 378 7,404	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 396 36 54 7,764 72 3,999		90 14,267 270 16,879 919 3,423 180 198 18 1,946	342 18,176 126 3,699 90 6,827 2,108 324 108 72 3,098 108 667			ANNUAL GRASSLAND ASPEN BARREN BUTTENBRUSH BUTE OAK-KOOTHILL PINE CLOSEL-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND COUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREIN ORCHARD FIESH EMERGENT WETLAND	12,358 25,652 3,152 180 8,485 97,888	1,369 2,954 6,557 18 145,481 90,736	1,441 72	20,572 198 11,925 180 5,332 1,837 378 5,008 72	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CLAMMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD	576 4,918 29,327 64,994 486 4,990 1,495 9,367	468 6,845 13,637 13,060 30,606 721 176,159	18 144 1,441	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72		90 14,267 270 16,879 739 919 3,423 180 198 18 1,946 108	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BILUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DOUGLAS FIR DRYLAND GRAIN CROPS EASTBIDE PINE EVERGREEN ORCHARD	12,358 25,652 3,152 180 8,485 97,888	1,369 2,954 6,557 18 145,481 90,736	1,441 72	20,572 198 11,925 180 5,332 1,837 378 5,008 72	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL DAK WOODLAND COASTAL JAK WOODLAND COASTAL JAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DUGLAS FIR DRYLAND GRAIN CROPS EASTDDE PINE ELOCALYPTUS	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54	18 144 1,441 180	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72	4,792 36 51,322 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72 3,999 5,530 11,547 36	72	90 14,267 270 16,879 3,423 180 198 1,946 108 5,278	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108 667 3,098 2,540			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK-KOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DGRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867	1,369 2,954 6,557 18 145,481 90,736 140,437	1,441 72	20,572 198 11,925 180 180 5,332 1,837 378 5,008 72 10,736	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECIDIOUS ORCHARD DECIDIOUS ORCHARD DEVIJAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54	18 144 1,441 180	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72 3,999 5,530 11,547 36 18	72	90 14,267 270 16,879 739 919 3,423 180 198 18 1,946 108 5,278 18	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108 667 3,098 2,540 739			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DOUGLAS FIR DRYLAND GRAIN CROPS EASTBIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED AGAIN CROPS IRRIGATED AGAIN CROPS IRRIGATED AGAIN CROPS IRRIGATED MEAIN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437	1,441 72 54	20,572 198 11,925 180 5,332 1,837 378 5,008 72 10,736 18 2,162	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018 198
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL DAK WOODLAND COASTAL JAK WOODLAND COASTAL JAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DUGLAS FIR DRYLAND GRAIN CROPS EASTDDE PINE ELOCALYPTUS	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54	18 144 1,441 180	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72	4,792 36 51,322 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72 3,999 5,530 11,547 36	72	90 14,267 270 16,879 3,423 180 198 1,946 108 5,278	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108 667 3,098 2,540			ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK-KOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DGRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867	1,369 2,954 6,557 18 145,481 90,736 140,437	1,441 72	20,572 198 11,925 180 180 5,332 1,837 378 5,008 72 10,736	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DEVENDE DEVENDE EUCALYPTUS EVERGREEN ORCHARD EVERGREEN ORCHARD IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54	18 144 1,441 180	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72 3,999 5,530 11,547 36 18	72	90 14,267 270 16,879 739 919 3,423 180 198 18 1,946 108 5,278 18	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108 667 3,098 2,540 739 396		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BIUE OAK WOODLAND BIUE OAK WOODLAND CROPLAND DUGLAS FIR DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE ORCH WED IRRIGATE ORAN CROPS IRRIGATE ORAN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437	1,441 72 54	20,572 198 11,925 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955	32,515 270 7,007 18 1,585 1,835 1,827 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL ASK WOODLAND COASTAL OK WOODLAND DCOLUOUS ORCHARD DUGLAS FIR DUGLAS FIR BUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022	18 144 1,441 180	504 24,139 198 2,936 594 9,872 378 2,036 36 378 7,404 72 14,898	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 54 7,764 7,764 7,764 7,764 11,547 36 18 198 7,152	72	90 14,267 270 16,879 919 3,423 180 198 1,946 108 5,278 18 72	342 18,176 126 3,369 90 6,827 2,108 324 108 667 3,098 108 667 3,098 2,540 739 396 919 2,180 414		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CROPLAND DUGLAS FIR DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DGRAIN CROPS IRRIGATED GRAIN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463	1,369 2,554 6,557 18 145,481 90,736 140,437 140,437 14,988 92,646 124,080 8,503 2,072	1,441 72 54 5,314	20,572 198 11,925 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955 7,242 3,297 2,270	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BULE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE DHIE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DEVINDUOUS ORCHARD DEVINDUOUS ORCHARD DEVINDUOUS ORCHARD EUCALYPTUS EVERGREEN ORCHARD FESH EMERGENT WETLAND IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108	468 6,845 13,637 13,060 721 176,159 136,204 54 183,022 198 22,175	18 144 1,441 180 54	504 24,139 198 17,762 2,936 378 2,036 378 7,404 72 14,898 18 3,170	4,792 36 51,322 306 12,087 10,087 14,429 6,431 396 14,429 6,431 396 14,429 399 5,530 11,547 36 18 198 7,152 721	72	90 14,267 270 16,879 739 919 3,423 180 198 18 1,946 108 5,278 18 72 288	342 18,176 126 3,369 90 6,827 2,108 324 108 72 3,098 108 667 3,098 2,540 739 399 919 2,180 414 36		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BIUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COUGLAS FIR DRYLAND GRAIN CROPS EATSIDE PINE EVERGREN ORCHARD FRESH EMERGENT WETLAND IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 14,988 92,646 124,080 8,503 2,072 51,322	1,441 72 54	20,572 198 11,925 180 180 5,332 1,837 1,837 10,736 10,736 18 2,162 955 7,242 3,297 2,270 2,000	32,515 270 7,007 18 1,585 1,837 1,027 8,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE OAK-VOODLAND BLUE OAK-VOODLAND BLUE OAK-VOOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL ASK WOODLAND COASTAL OK WOODLAND DCOLUOUS ORCHARD DUGLAS FIR DUGLAS FIR BUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022	18 144 1,441 180	504 24,139 198 2,936 594 9,872 378 2,036 36 378 7,404 72 14,898	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 54 7,764 7,764 7,764 7,764 11,547 36 18 198 7,152	72	90 14,267 270 16,879 919 3,423 180 198 1,946 108 5,278 18 72	342 18,176 126 3,369 90 6,827 2,108 324 108 667 3,098 108 667 3,098 2,540 739 396 919 2,180 414		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CROPLAND DUGLAS FIR DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE ORCH WELAND IRRIGATE ORAIN CROPS IRRIGATE ORAIN CROPS ILRIGATE ORAIN CROPS ILRIGATE ORAIN CROPS ILRIGATE ORAIN CROPS ILLIGUE ORAIN CROPS ILLIGUE ORAIN CROPS	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463	1,369 2,554 6,557 18 145,481 90,736 140,437 140,437 14,988 92,646 124,080 8,503 2,072	1,441 72 54 5,314	20,572 198 11,925 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955 7,242 3,297 2,270	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB DEVILLAND GRAIN CROPS EASTSIDE PINE VERGATED HAVFIELD IRRIGATED HAVFIELD	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104	468 6,845 13,637 13,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629	18 144 1,441 180 54	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 36 54 7,764 72 3,999 5,530 11,547 36 18 198 7,152 721 793 3,999 1,495	72	90 14,267 270 16,879 739 919 3,423 180 198 1,946 108 5,278 18 72 288 5,40 1,387 1,946	342 18,176 126 3,699 90 6,827 2,108 324 108 667 3,098 108 667 3,098 2,540 739 396 919 2,180 414 362 462 468 793		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK-KOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUIGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED HAYTELD IRRIGATED ROW AND FIELD CROPS JEFFREY PINE JUNIPER KLAMATH MIKED CONIFER LACUSTRINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602	1,369 2,954 6,557 18 145,481 90,736 140,437 14,988 92,646 124,088 8,503 2,072 51,322 4,630 77,226	1,441 72 54 5,314 360 90 162	20,572 198 11,925 180 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955 7,242 3,297 2,270 2,000 14,789 12,340 10,394	32,515 270 7,007 18 1,585 1,837 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 1,271
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECLDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DEVLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ONCHARD RESH EMERGENT WETLAND IRRIGATE DRAFIL ON SHAN CROPS IERRIGATE DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL JUNIPER	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971	468 6,845 13,637 13,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566	18 144 1,441 180 54 5,620	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72 14,898 14,898 18 3,170 1,459 11,277 4,071 3,134	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 54 7,764 7,764 722 3,999 5,530 11,547 11,547 11,547 11,547 7,152 7,152 7,211 793 3,999 1,495	72	90 14,267 270 16,879 3,423 180 198 1,946 108 5,278 18 72 288 5,400 1,387 1,946 1,171	342 18,176 126 3,699 90 6,827 2,108 324 108 324 108 667 3,098 2,540 739 396 919 2,180 744 366 162 468 793 414		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE CROPLAND DOUGLAS FIR DRYLAND GRAIN CROPS EXTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DRAIN CROPS IRRIGATE DRAIN CROPS ILDOGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL MONTANE HARDWOOD	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 51,322 4,630 77,226 46,026 65,175	1,441 72 54 5,314 360 90	20,572 198 11,925 180 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955 7,242 3,297 2,270 2,270 2,270 2,270 2,270 2,270 2,270	32,515 270 1,007 1,585 1,585 1,837 1,027 18 5,278 4,936 9,890 2,018 198 3,243 1,261 144 324 9,817 4,918 6,989
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BUTERBRUSH BUTTERBRUSH BLUE GAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB DEVIDIOUS ORCHARD DEVIDIOUS ORCHARD DEVIDIOUS ORCHARD DEVIDIOUS COASTAL SCRUB DEVIDIOUS COASTAL SCRUB DEVIDIOUS COASTAL SCRUB DEVIDIOUS ORCHARD RESH EMERGENT WETLAND IRRIGATED HAVFELD IRRIGATED HAVFELD IRRIGATED HAVFELD ISFFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LOUGEPOLE PINE	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,9559	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,8,654	18 144 1,441 180 54	504 24,139 198 17,762 2,936 378 2,036 36 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071 3,134 4,197	4,792 366 51,322 51,322 51,323 12,087 14,429 6,431 14,429 6,431 396 6,431 396 5,54 7,764 72 3,999 5,530 11,547 7,752 7,153 7,153 7,153 7,155 7,1	72	90 14,267 270 16,879 739 919 3,423 180 198 1,946 108 5,278 18 72 288 540 1,387 1,946 1,371 1,946	342 18,176 126 3,399 90 6,827 2,108 72 3,098 108 667 3,098 2,540 739 396 919 2,180 414 36 162 468 793 414 324		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREIN ORCHARD FRESH EMREGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD UNIFER KLAMATH MIKED CONIFER LACUSTRINE LOD GEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602	1,369 2,954 6,557 18 145,481 90,736 140,437 14,988 92,646 124,088 8,503 2,072 51,322 4,630 77,226	1,441 72 54 5,314 360 90 162	20,572 198 11,925 11,925 13,027 1,837 378 5,008 72 210,736 10,736 18 2,162 955 7,242 3,297 2,270 2,000 14,789 12,340 10,394 7,602 1,801	32,515 270 7,007 18 1,585 1,585 1,837 1,027 18 5,278 3,278 3,243 3,243 1,261 144 324 8,917 4,918 6,989 3,243 3,243
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECLDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DEVLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ONCHARD RESH EMERGENT WETLAND IRRIGATE DRAFIL ON SHAN CROPS IERRIGATE DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL DRAFIL JUNIPER	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971	468 6,845 13,637 13,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566	18 144 1,441 180 54 5,620	504 24,139 198 17,762 2,936 594 9,872 378 2,036 36 378 7,404 72 14,898 14,898 18 3,170 1,459 11,277 4,071 3,134	4,792 36 51,322 306 12,087 1,063 14,429 6,431 396 1,117 54 7,764 7,764 722 3,999 5,530 11,547 11,547 11,547 11,547 7,152 7,152 7,211 793 3,999 1,495	72	90 14,267 270 16,879 3,423 180 198 1,946 108 5,278 18 72 288 5,400 1,387 1,946 1,171	342 18,176 126 3,699 90 6,827 2,108 324 108 324 108 667 3,098 2,540 739 396 919 2,180 744 366 162 468 793 414		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE-CYPRESS CLOSED-CONE PINE CROPLAND DOUGLAS FIR DRYLAND GRAIN CROPS EXTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATE DRAIN CROPS IRRIGATE DRAIN CROPS ILDOGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL MONTANE HARDWOOD	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 51,322 4,630 77,226 46,026 65,175	1,441 72 54 5,314 360 90 162	20,572 198 11,925 180 180 5,332 1,837 378 5,008 72 10,736 18 2,162 955 7,242 3,297 2,270 2,270 2,270 2,270 2,270 2,270 2,270	32,515 270 1,007 1,585 1,585 1,837 1,027 18 5,278 4,936 9,890 2,018 198 3,243 1,261 144 324 9,817 4,918 6,989
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL AK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD EASTSIDE PINE EUCALYPTUS EVERGREIN ORCHARD RRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IERIGATED HAYFELD IRRIGATED AGNIN CROPS IERIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED GRAIN CROPS IEFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,957 3,080 3,080 3,080 3,080 3,080 3,080 3,080	468 6,845 13,637 13,060 30,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495	18 144 1,441 180 54 5,620 1,225 90 198	504 24,139 198 17,762 2,936 594 9,872 2,036 36 378 7,044 72 14,898 11,277 4,071 1,499 11,277 4,071 3,134 4,971 23,766 15,204	4,792 366 51,322 3060 12,063 14,429 36,431 36 6,431 36 5,43 7,764 7,764 7,764 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 7,764 11,547 11,54	72	90 14,267 270 16,879 739 919 3,423 180 198 198 198 198 198 198 198 198 198 198	342 18,176 126 3,369 9,90 2,2,08 3,24 4 3,098 2,540 3,098 2,540 3,098 2,540 4,10 4,10 4,10 4,10 4,10 4,10 4,10 4,		2010	ANNUAL GRASSLAND ASPEN BARREN BITTEBRUSH BIUTE OAK-KOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMREGENT WETLAND IRRIGATE DRYHELD IRRIGATE ORCHARD FRESH EMREGENT WETLAND IRRIGATE OW AND FIELD CROPS JEFREY PINE JUNIPER KLAMATH MIKED CONIFER LACUSTRINE LOD GEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 4,8,602 80,162 5,945 5,945	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 51,322 4,630 77,226 4,630 65,175 5,404 36,532 107,471	1,441 72 54 5,314 360 90 162 72	20,572 198 11,925 11,925 180 5,332 1,837 72 10,736 18 2,162 955 7,242 3,297 2,2700 12,340 10,394 4,762 10,394 4,762 10,394 10,394 10,394 10,394 10,394 10,394 10,395 10,30	32,515 270 1,007 1,585 1,837 1,027 1,027 1,027 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 4,918 6,989 3,423 6,989 3,423 6,989 3,423
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTTERBRUSH BULE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL CAR WOODLAND COOSTAL OAK WOODLAND COOSTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DRYLAND GRAIN CROPS EASTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IERIGATED HAYFIELD IRRIGATED HAYFIELD IRRIGATED HAYFIELD IRRIGATED HAYFIELD IRRIGATED HAYFIELD IDGREPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOODC	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495	18 144 1,441 180 54 5,620 1,225 90	504 24,139 198 17,762 2,936 594 9,872 378 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071 1,459 11,277 4,071 1,459	4,792 36,322 306 4,2087 1,063 14,429 6,431 136 6,431 137 6 4 7,764 7,764 7,764 7,764 1,988 7,764 1,988 7,764 1,988 7,764 1,989 9,5530 3,999 9,5530 3,999 9,495 5,752 7,105 1,988 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,754 7,755 7,75	72	90 14,267 270 1739 3,423 180 198 18 1,946 48 5,278 18 72 288 5,00 1,387 7,368 883 3,369	342 18,176 126 6,827 2,108 3,098 6,677 3,098 667 739 3,098 667 739 919 919 919 919 919 919 919 9		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CARDEN BENE CONSTAL OAK WOODLAND CROPLAND CARDEN CARDEN CONSTAL OAK WOODLAND CROPLAND CARDEN CARDEN CONSTAL CARDEN CONSTAL CARDEN CONSTAL CARDEN CONSTAL CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 24,463 214,907 3,026 271,687 48,602 80,612 5,545	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 140,437 2,072 2,122 4,630 77,226 46,026 65,175 5,404 36,532	1,441 72 54 5,314 360 90 162 72 54	20,572 198 11,925 11,925 180 5,332 1,837 378 5,008 5,0	32,515 270 1,585 1,585 1,807 1,027 18 5,278 3,513 4,930 9,890 9,890 9,890 9,890 9,890 9,890 9,890 1,261 148 180 3,243 1,261 144 4,917 4,917 4,917 4,917 4,917 4,943 6,989 3,423 6,649 4,251
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BLUE DAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL AK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD EASTSIDE PINE EUCALYPTUS EVERGREIN ORCHARD RRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IERIGATED HAYFELD IRRIGATED AGNIN CROPS IERIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED GRAIN CROPS IEFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,957 3,080 3,080 3,080 3,080 3,080 3,080 3,080	468 6,845 13,637 13,060 30,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495	18 144 1,441 180 54 5,620 1,225 90 198	504 24,139 198 17,762 2,936 594 2,936 378 2,036 36 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071 3,134 4,071 3,134 1,277 1,3,197 1,277 1,5,204	4,792 36 51,322 306 6,431 1,429 6,431 396 6,431 3,969 5,530 11,157 7,754 7,152 7,253	72	90 ) 14,267 2700 ) 739 ) 3,423 ) 1,946 ) 188 ) 1,946 ) 188 ) 1,946 ) 188 ) 1,946 ) 1,87 ) 288 8 5,278 ) 1,87 ) 1,946 ( 1,171 ) 1,946 ( 1,171 ) 1,946 ) 1,946 ( 1,171 )\\1,946 ( 1,171 )\\1,946 (	342 18,176 126 3,699 90 0 6,827 72 3,098 6,877 72 3,098 3,098 2,540 739 919 919 919 919 919 414 466 739 414 466 739 414 466 739 414 416 747 747 747 747 747 747 747 74		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUIGLAS FIR DAVLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMREGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED RAW AND FIELD CROPS ILCUSTRINE LOW SAGE MONTANE HARDWOOD-CONIFER LOW STARE MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER HARDWO-CONFERNING MONTANE HARDWOOD-CONIFER LOW SAGE MONTANE HARDWOOD-CONIFER MONTANE HARDWONTANE HARDWONTANE HARDWONTANE HARDWONTANE HARDWONTANE HARDWONTANE HARDWONTANE HARDWONTAN	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602 80,162 5,945 5,0419 111,074 127,737	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 140,437 25,1322 4,630 77,226 46,026 65,175 5,404 46,026 65,175 5,404 36,532 107,471 18,014	1,441 72 54 5,314 360 90 162 72 54	20,572 198 11,925 180 5,332 1,837 378 5,008 5,332 1,837 1,837 1,736 10,736 10,736 10,736 10,344 7,602 1,4789 12,340 10,344 7,602 1,034 8,607 1,034 8,607 1,035 8,467 1,039 1,039 1,035	32,515 270 1,007 1,585 1,585 1,837 1,027 1,027 1,027 1,027 2,018 2,018 198 180 3,243 1,261 198 180 3,243 1,261 1,265 3,429 4,251 13,565 1,225
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUE DAK-POOTHILE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE CYPRES COASTAL OAK WOODLAND COASTAL SCRUB COASTAL OAK WOODLAND COASTAL SCRUB COASTAL OAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD FRESH EMERGENT WETLAND HERST EMERGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD LOUGEPOLE PINE LOUGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495	18 144 1,441 180 54 5,620 1,225 90 198	504 24,139 198 17,762 2,936 594 9,872 378 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071 1,459 11,277 4,071 1,459	4,792 36,322 306 4,2087 1,063 14,429 6,431 136 6,431 137 6 4 7,764 7,764 7,764 7,764 1,988 7,764 1,988 7,764 1,988 7,764 1,989 9,5530 3,999 9,5530 3,999 9,495 5,752 7,105 1,988 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,105 7,752 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,753 7,754 7,755 7,75	72	90 14,267 270 1739 3,423 180 198 18 1,946 48 5,278 18 72 288 5,00 1,387 7,368 883 3,369	342 18,176 126 6,827 2,108 3,098 6,677 3,098 667 739 3,098 667 739 919 919 919 919 919 919 919 9		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CARDEN BENE CONSTAL OAK WOODLAND CROPLAND CARDEN CARDEN CONSTAL OAK WOODLAND CROPLAND CARDEN CARDEN CONSTAL CARDEN CONSTAL CARDEN CONSTAL CARDEN CONSTAL CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 4,8,602 80,162 5,945 5,945	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 51,322 4,630 77,226 4,630 65,175 5,404 36,532 107,471	1,441 72 54 5,314 360 90 0162 72 54 378	20,572 198 11,925 11,925 180 5,332 1,837 72 10,736 18 2,162 955 7,242 3,297 2,2700 12,340 10,394 4,762 10,394 4,762 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,394 10,395 10,30	32,515 270 1,007 1,585 1,837 1,027 1,027 1,027 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 4,918 6,989 3,423 6,989 3,423 6,989 3,423
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BIUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EURGATED GRAIN CROPS EASTSIDE PINE EUCALYPTUS EURGATED GRAIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED CRAIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED RAGNIN CROPS IRRIGATED CRAIN CROPS IRRIGATED CROPS IRR	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 141,049	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495 5,565 4,7359 167,710	18 144 1,441 180 54 5,620 1,225 90 0 198 90	504 24,139 198 2,936 594 2,036 36 378 7,404 72 14,898 18 3,170 1,459 14,298 18 3,170 1,459 14,298 14,298 14,277 4,071 2,3134 4,197 2,276 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2	4,792 36 51,322 306 51,2087 1,063 4,429 6,431 4,429 6,431 4,429 6,431 7,764 7,764 7,764 7,764 7,764 7,764 7,764 7,764 7,752 7,152 7,	72	90 014,267 2700 914,267 2709 919 939 939 939 939 939 939 939 939 93	342 18,176 3,69 90 0 6,827 2,108 108 72 3,098 2,540 739 667 739 3,098 2,540 739 414 366 668 739 414 366 67 739 3,959 414 366 67 739 3,959 108 108 108 108 108 108 108 108		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BULE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CROPLAND DOUGLAS FIR DOUGLAS FIR DOUGLAS FIR DRYLANG GRAIN CROPS EASTSIDE PINE EASTSIDE PINE EASTSIDE PINE EVERGREN ORCHARD FRESH EMREGENT WETLAND FIRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD JUNIPER KLAMATH MIXED CONIFER MOXTANE HARDWOOD MONTANE HARDWOOD MONT	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 324,63 214,907 48,062 80,162 5,945 50,619 111,074 127,737 54 226,690 0770,620	1,369 2,954 6,577 18 145,481 90,736 140,437 140,437 14,988 92,646 124,080 124,080 124,080 124,080 2,072 51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36	1,441 72 54 5,314 360 90 162 72 54 378	20,572 18,00 11,925 180 180 5,332 1,837 27 10,736 18 2,162 955 7,242 3,297 2,270 2,270 2,270 2,270 2,270 2,270 2,270 2,270 1,837 2,270 1,84 2,162 9,55 2,270 1,84 2,162 9,55 2,270 1,84 2,162 9,55 2,270 1,297 1,295 1,84 1,85 1	32,515 270 1,585 1,585 1,837 1,027 1,8 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 4,918 6,989 3,423 6,499 4,251 7,211 13,565 7,215 360
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BILTERBRUSH BILTERBRUSH BILTEARRUSH BILTEARRUSH CHAMBER-REDSHANK CHAPARRAL COSED-CONE DHIE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD DEGIDUOUS ORCHARD FESH EMERGENT WETLAND IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD IRRIGATED HAYFELD ISFFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE LIGW SAGE MIXED CHAPARRAL MONTAN EHAPARRAL MONTAN EHAPARRAL MONTAN EHAPARRAL MONTAN EHAPARRAL MONTAN EHAPARRAL MONTAN EHAPARRAL	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685	468 6,845 13,637 13,660 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,856 58,854 4,738 90,6048 83,495 85,837 6,647	18 144 1,441 180 54 5,620 1,225 90 198 90	504 24,139 198 17,762 2,936 554 9,872 7,873 378 3,78 3,78 3,78 3,78 3,78 3,78	4,792 36 51,322 306 6,431 1,063 4,429 6,431 396 6,431 396 5,530 6,431 3,999 5,530 6,431 3,999 7,152 7,155 7,	72 108 36	90 14,267 270 739 3,423 1,946 1,946 1,948 1,946 1,948 1,946 1,1,947 1,946 1,1,947 1,946 1,1,947 1,946 1,947 1,946 1,947 1,946 1,947 1,946 1,947 1,946 1,947	342 18,176 126 6,827 2,108 6,827 2,108 324 3,098 6,77 3,098 6,77 3,098 6,77 3,098 4,008 1,0		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSEL-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND COUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED ROW AND FIELD CONFER LODGEPOLE PINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER RICE RICE RICE RIVERINE SIGEBRUSH SIGRERUSH SIGRAN MIXED CONIFER SIGBALDINE CONIFER	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602 80,162 5,945 5,0,619 111,074 127,737 54 226,490	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 5,1322 4,630 77,226 4,630 77,226 4,630 77,226 4,632 107,471 18,014 36,532 107,471 18,014	1,441 72 54 5,314 360 90 162 72 54 378 1,837	20,572 198 11,925 180 5,332 1,837 5,008 72 10,736 7,242 10,736 10,736 12,152 10,340 14,789 12,340 14,789 12,340 10,344 10	32,515 270 1,88 1,585 1,837 1,927 1,027 1,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BIUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECIDUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR DUGLAS FIR EUCALYPTUS EVERGREEN ORCHARD RESTSIDE PINE EUCALYPTUS EVERGREEN ORCHARD REIGATED GRAIN CROPS IRRIGATED RAIN CROPS IRRIGATED CRAIN CROPS IRRIGATED RAIN CROPS IRRIGATED RAIN CROPS IRRIGATED RAIN CROPS IRRIGATED RAIN CROPS IRRIGATED CRAIN CROPS IRRIGATED RAIN CROPS IRRIGATED CRAIN CROPS IRRIGATED CROPS IRRIGATED CRAIN CROPS IRRIGATED CR	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 20,52 78,685	468 6,845 13,667 13,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495 85,857 6,647 4,7359 167,710 39,252	18 144 1,441 180 54 5,620 1,225 90 198 90	504 24,139 198 17,762 5,936 594 9,872 7,88 3,00 1,293 3,00 3,00 14,898 11,277 14,898 11,277 23,796 15,204 4,097 15,258	4,792 36 51,322 306 51,2087 1,063 4,429 6,431 4,429 6,431 4,429 6,431 7,764 7,	72 108 36	90 ) 14,267 ,270 ) 739 ) 3,423 ,180 ) 180 ) 188 ,198 ,198 ,198 ,198 ,198 ,198 ,198 ,	342 18,176 126 6,827 2,084 90 0 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 108 2,540 739 108 2,540 739 108 2,540 739 108 2,540 739 108 2,540 739 108 2,540 739 108 108 2,540 739 108 108 2,540 739 108 108 108 108 108 108 108 108		2010	ANNUAL GRASSLAND ASPEN BARREN BITTEBRUSH BITTEBRUSH BIUE OAK-KOOTHILL PINE CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMREGENT WETLAND IRRIGATE DROK AND FIELD CROPS IRRIGATE ORCHARD IRRIGATE ORCHARD IRRIGUE ORCHARD IRRIGATE ORCHARD	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 324,63 214,907 48,062 80,162 5,945 50,619 111,074 127,737 54 226,690 0770,620	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 5,1322 4,630 77,226 4,630 77,226 4,630 77,226 4,632 107,471 18,014 36,532 107,471 18,014	1,441 72 54 5,314 360 90 162 72 54 378 1,837	20,572 18,00 11,925 180 180 5,332 1,837 27 10,736 18 2,162 955 7,242 3,297 2,270 2,270 2,270 2,270 2,270 2,270 2,270 2,270 1,837 2,270 1,84 2,162 9,55 2,270 1,84 2,162 9,55 2,270 1,84 2,162 9,55 2,270 1,297 1,295 1,84 1,85 1	32,515 270 1,585 1,585 1,837 1,027 1,027 1,8 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 3,243 1,261 1,4918 6,989 3,423 6,4918 2,4251 7,215 1,225 3,600 4,197
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUE DAK-VODLAND BUE DAK-VODLAND BUE DAK-VODLAND BUE DAK-VOTHLE PINE CLOSED-CONE PINE CYPRES COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB DEGLUDUS OKCHARD DEGLUDUS OKCHARD DEGLUDUS OKCHARD DEGLUDUS OKCHARD DEGLUGUS SCRUB COASTAL SCRUB COASTAL SCRUB DEGLUGUS DEGLU	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 141,049	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495 5,565 4,7359 167,710	18 144 1,441 180 54 5,620 1,225 90 198 90	504 24,139 198 2,936 594 2,036 36 378 7,404 72 14,898 18 3,170 1,459 14,298 18 3,170 1,459 14,298 14,298 14,277 4,071 2,3134 4,197 2,276 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2788 14,2	4,792 36 51,322 306 51,2087 1,063 4,429 6,431 4,429 6,431 4,429 6,431 7,764 7,764 7,764 7,764 7,764 7,764 7,764 7,764 7,752 7,152 7,	72 108 36	90 014,267 2700 914,267 2709 919 939 939 939 939 939 939 939 939 93	342 18,176 126 6,827 2,108 6,827 2,108 324 3,098 6,77 3,098 6,77 3,098 6,77 3,098 4,008 1,0		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BIUE OAK WOODLAND BLUE OAK WOODLAND BLUE OAK WOODLAND CLOSEL-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND COUGLAS FIR DRYLAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED ROW AND FIELD CONFER LODGEPOLE PINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER RICE RICE RICE RIVERINE SIGEBRUSH SIGRERUSH SIGRAN MIXED CONIFER SIGBALDINE CONIFER	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 324,63 214,907 48,062 80,162 5,945 50,619 111,074 127,737 54 226,690 0770,620	1,369 2,954 6,557 18 145,481 90,736 140,437 140,437 140,437 140,437 140,437 140,437 2,072 5,1322 4,630 77,226 4,630 77,226 4,630 77,226 4,632 107,471 18,014 36,532 107,471 18,014	1,441 72 54 5,314 360 90 162 72 54 378 1,837	20,572 198 11,925 180 5,332 1,837 5,008 72 10,736 7,242 10,736 10,736 12,152 10,340 14,789 12,340 14,789 12,340 10,344 10	32,515 270 1,88 1,585 1,837 1,927 1,027 1,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BUE OAK-POOTHILPINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL CAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL CAK WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD DECIDUOUS ORCHARD ELUCALYPTUS EVERGREEN ORCHARD FRESH EMERGENT WETLAND IRRIGATED FAYFIELD IRRIGATED FAYFIELD IRRIGATED FAYFIELD IRRIGATED FAYFIELD IRRIGATED FAYFIELD IRRIGATED FAYFIELD IRRIGATED FAYFIELD IDOGEPOLE PINE LACUSTRINE LOOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE LOOGEPOLE PINE IDOGEFOLE PINE MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE CHAPARRAL MONTANE HARAWOOD-CONIFER MONTANE HARAWOOD PERENNAL GRASSLAND PERENNAL GRA	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 141,049 216,168 216 390,957 984,068	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495 85,854 4,7359 167,710 39,252 289,935 668,301	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378	504 24,139 198 17,762 594 2,936 594 3,9872 378 3,78 3,78 3,78 3,78 3,78 3,78 3,78	4,792 36 51,322 306 12,087 1,063 1,120 1,4429 6,431 1,4429 6,431 6,431 6,54 1,117 36 5,530 11,547 36,999 1,495 7,152 7,152 7,152 7,152 7,152 7,153 3,3999 1,495 7,152 7,153 3,3999 1,495 7,152 7,153 8,399 1,484 8,309 1,783 4,844 8,848 8,9457 1,423 1,253 1,454 1,253	72 108 36 54	90 014,267 270 91 914,267 270 91 93,423 180 91 918 198 198 198 198 198 198 198 198 198	342 18,176 126 6,827 2,108 3,098 6,67 7,208 3,098 667 7,30 919 919 919 919 919 919 919 91		2010	ANNUAL GRASSLAND ASPEN BARREN BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND COSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,807 3,026 271,687 48,602 80,162 5,945 50,619 111,074 127,737 54 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 8,503 2,072 51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,378 5,008 7,378 5,008 7,378 5,008 7,322 1,0736 10,736 10,736 12,358 8,467 144 27,525 8,467 144 12,358 5,458 5,458 180 180 180 180 180 12,358 180 12,358 180 12,358 180 12,358 180 12,358 180 12,358 180 12,358 180 12,358 180 180 180 180 180 180 180 18	32,515 270 1,585 1,585 1,837 1,587 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 3,423 6,989 4,251 13,565 1,225 1,225 1,225 1,225 1,225 1,225 1,225 1,225
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUE OAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND LICIDUOUS ORCHARD DECIDUOUS ORCHARD LEASTSIDE PINE UCAUSTRINE LODGEPOLE PINE LOW SAGE LICUW SAGE DIFFREY PINE LOW SAGE DIFFREY PINE LOW SAGE MONTAN E HARDWOOD MONTANE HARDWOOD MONT	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 141,049 216,168 216	468 6,845 13,637 13,660 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,866 44,738 106,048 83,845 85,857 6,647 47,359 167,710 39,252 289,935 6668,301 1,027	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 1,855	504 24,139 198 17,762 594 9,872 2,936 594 9,872 7,894 378 378 378 7,404 72 14,898 3,170 1,4898 11,277 13,134 4,071 3,134 4,071 3,134 4,071 3,134 4,071 3,134 4,071 15,204 4,075 15,200 15,528 180 40,153 58,744	4,792 36 51,322 306 51,2287 1,063 34429 6,431 4,429 6,431 336 54 7,764 72 3,399 7,764 18 8 7,752 7,152	72 108 36 54	90 014,267 2270 2270 2270 2270 2270 2270 2270 2	342 18,176 126 3,69 90 0 6,827 2,108 72 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 4,14 4,16 4,17 4,17 4,17 4,17 4,17 4,17 4,17 4,18 4		2010	ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BULE OAK WOODLAND BLUE OAK WOODLAND CROPLAND DUGLAST PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND DUGLASTR DUGLASTR DEVELAND GRAIN CROPS EASTSIDE PINE EVERGREEN ORCHARD FRESH EMREGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED GRAIN CROPS IRRIGATED HAVFIELD IRRIGATED GRAIN CROPS IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED GRAIN CROPS IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IRRIGATED HAVFIELD IDMIPER KLAMATH MIKED CONIFER LODGFOLE PINE LODGFOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER INFRINE SIERRAN MIXED CONIFER SIERRAN MIXED CONIFER UBBADINE CONIFER	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602 80,162 5,945 5,045 9111,074 127,737 54 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 8,503 2,072 51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36,532 107,471 18,014 36,532 107,471 18,014	1,441 72 54 5,314 360 90 162 72 54 378 1,837	20,572 198 11,925 180 5,332 1,837 378 5,008 5,332 1,837 1,72 10,736 10,736 10,736 10,374 10,374 10,394 7,602 12,358 8,467 144 366 12,358 8,467 144 366 12,358 8,467 144 160 10,394 10,3	32,515 270 1,80 1,585 1,837 1,027 1,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BILTERBRUSH BITTERBRUSH BILTERBRUSH BILTERBRUSH BILTERBRUSH BILTERBRUSH BILTERBRUSH CHAPARTAL CASTAL CAR WOODLAND COSTAL CAR WOODLAND DECIDUOUS ORCHARD DECIDUOUS ORCHARD FRESH MEERGENT WETLAND IRRIGATED RAWFIELD CROSS DEFREY PINE LACUSTRINE LOOGEPDEE PINE LACUSTRINE LOOGEPDEE PINE LACUSTRINE LOOGEPDEE PINE LACUSTRINE LOOGEPDEE PINE LOOGEPDEE PINE LOOGEPDEE PINE LOOGEPDEE PINE NONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER MONTANE HARDWOOD-CONIFER NONTANE HARDWOOD-CONIFER NONTANE HARDWOOD-CONIFER SAGEBRUSH SERRAN MIKED CONIFER SUBALIPINE CONIFER SUBALIPINE CONIFER SUBALIPINE CONIFER SUBALIPINE CONIFER	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 55,470 66,670 94,285 8,052 78,685 141,049 216,168 216 390,957 984,068 23,923	468 6,845 13,637 13,060 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,556 58,654 4,738 106,048 83,495 58,837 6,647 4,7359 167,710 39,252 289,935 6668,301 1,027 90	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 1,855	504 24,139 198 17,762 594 2,936 594 3,9872 378 3,78 3,78 3,78 3,78 3,78 3,78 3,78	4,792 36 51,322 306 51,2087 1,063 4,429 6,431 4,429 6,431 4,429 6,431 4,429 6,431 7,764 7,764 7,764 7,764 7,764 7,764 7,764 7,765 7,152 7,	72 108 36 54	90 014,267 270 91 914,267 270 91 93,423 180 91 93,423 180 91 98 85 1,946 91 98 85 90 91 1,387 7 1,946 91 1,387 7 1,946 91 1,387 7 1,946 91 1,387 7 1,946 91 1,387 7 1,946 91 1,371 1 3,333 144 4,431 1 2,4427 7 1,982 97 3	342 18,176 3,369 90 6,827 2,088 108 72 3,098 607 3,098 607 3,098 2,540 739 607 162 408 3,098 162 739 162 739 162 739 163 163 163 163 163 163 163 163		2010	ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CASTAL OAK WOODLAND CROPLAND CRO	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162 5,945 50,619 111,074 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 124,080 124,080 2,072 2,51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,742 3,297 2,270 10,736 12,358 3,297 2,270 10,736 12,340 14,40 12,340 14,40 12,340 14,	32,515 270 1,585 1,585 1,837 1,807 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 13,565 4,918 23,000 2,018,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BUE OAK-POOTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND LICIDUOUS ORCHARD DECIDUOUS ORCHARD LEASTSIDE PINE UCAUSTRINE LODGEPOLE PINE LOW SAGE LICUW SAGE DIFFREY PINE LOW SAGE DIFFREY PINE LOW SAGE MONTAN E HARDWOOD MONTANE HARDWOOD MONT	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,080 355,470 66,670 94,285 8,052 78,685 141,049 216,168 216 390,957 984,068	468 6,845 13,637 13,660 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,866 44,738 106,048 83,845 85,857 6,647 47,359 167,710 39,252 289,935 6668,301 1,027	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 1,855	504 24,139 198 17,762 594 2,936 594 3,037 3,08 3,037 14,898 3,170 1,459 14,898 3,170 1,459 14,898 3,170 1,459 11,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,071 1,277 4,074 1,277 4,075 1,277 4,074 1,277 4,075 1,277 1,2	4,792 36 51,322 306 51,2287 1,063 34429 6,431 4,429 6,431 336 54 7,764 72 3,399 7,764 18 8 7,752 7,152	72 108 36 54	90 014,267 2270 2270 2270 2270 2270 2270 2270 2	342 18,176 126 3,69 90 0 6,827 2,108 72 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 4,14 4,16 4,17 4,17 4,17 4,17 4,17 4,17 4,17 4,18 4		2010	ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CASTAL OAK WOODLAND CROPLAND CRO	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,602 80,162 5,945 5,045 9111,074 127,737 54 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 124,080 124,080 2,072 2,51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,742 3,297 2,270 10,736 12,358 3,297 2,270 10,736 12,340 14,40 12,340 14,40 12,340 14,	32,515 270 1,585 1,585 1,837 1,807 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 13,565 4,918 23,000 2,018 2,019,018 2,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ANNUAL GRASSLAND BARREN BITTERBRUSH BIUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB DEVILATION COASTAL SCRUB COASTAL SCRUB DEVILATION COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB DEVILATION COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB COASTAL COASTAL COASTAL SCRUB COASTAL COASTAL SCRUB COASTAL COAS	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,085 20,104 49,971 304,859 3,080 35,470 35,470 355,470 36,670 94,285 8,8052 78,685 141,049 216,685 141,049 216,630 94,285 23,923 126 72	468 6,845 13,637 13,660 30,660 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,529 5,566 58,654 4,738 106,048 85,837 6,647 47,359 167,710 39,252 2252 289,355 668,301 1,027 90 757 594	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 90	504 24,139 198 17,762 2,936 554 2,936 36 378 7,404 72 14,898 3,170 1,459 14,898 3,170 1,459 14,273 4,071 2,376 2,376 4,055 15,508 11,547 4,055 15,528 10,528 11,528 12,528	4,792 36 51,322 37,326 12,087 1,063 396 6,431 396 5,43 7,764 7,7777 7,7777 7,7777 7,7777 7,7777 7,77777 7,777777	72 108 36 54	90 14,267 2016,879 739 3,423 1,946 108 5,278 18 5,278 18 7,2 288 5,400 1,946 1,187 1,946 1,187 1,946 1,187 1,946 1,187 1,946 1,197 1,946 1,947 1,946 1,947 1,946 1,947 1,946 1,946 1,947 1,946 1,947 1,946 1	342 18,176 126 3,69 90 3,098 4,100 667 739 919 919 919 919 919 919 9,180 414 3,698 414 3,698 414 3,698 414 3,698 414 3,698 414 3,698 1,287 1,208 414 3,698 1,287 1,208 1,20		2010	ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CASTAL OAK WOODLAND CROPLAND CRO	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162 5,945 50,619 111,074 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 124,080 124,080 2,072 2,51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,742 3,297 2,270 10,736 12,358 3,297 2,270 10,736 12,340 14,40 12,340 14,40 12,340 14,	32,515 270 1,585 1,585 1,837 1,807 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 13,565 4,918 23,000 2,018 2,019,018 2,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN BARREN BITTERBRUSH BITTERBRUSH BIUE OAK-POOTHILL PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRES COASTAL SCRUB CROPLAND DECLOLUOUS ORCHARD DUGLAS FIR DUGLAS FIR DUGLAS FIR DEVLAND GRAIN CROPS EECOLUUS ORCHARD DEVLAND GRAIN CROPS EECOLUUS ORCHARD DEVLAND GRAIN CROPS EECOLUUS ORCHARD DEVLAND GRAIN CROPS EECOLUTYTUS EVERGREEN ORCHARD RELSTINE DEVLAND GRAIN CROPS IEFREY PINE JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LOOGEPDLE PINE LOOGEPDLE PINE LOOGEPDLE PINE LOOGEPDLE PINE LOOGEPDLE PINE LOOGETOLE PINE LOOSTRINE LOOGETOLE PINE IDOGETOLE PINE IDOGETOLE PINE DONTANE HARDWOOD-CONIFER MONTANE RIPARIAN PONDEROSS APINE RED FIR RICE RIVERINE SERRAN MIXED CONIFER SIERRAN MIXED CONIFER VALLEY OAK WUODLAND VINEYARD WET MEADOW	576 4,918 29,327 64,994 486 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,885 20,104 49,971 304,959 3,808 355,470 66,670 94,285 8,052 78,685 141,049 216,168 216 390,957 984,068 23,923 126 72	468 6,845 13,637 13,060 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,654 4,738 106,048 83,495 85,857 4,7359 167,710 39,252 252 289,935 668,301 1,027 559,668	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 1,855	504 24,139 198 17,762 5,936 5,942 9,872 7,836 3,636 3,78 7,404 7,2 14,898 3,170 1,459 11,277 2,3766 2,000 15,556 19,257 11,547 2,486 2,000 15,5508 10,257 15,5008 10,537 5,8,744 9,367 18,507 11,507 1	4,792 36 51,322 306 51,2087 1,063 4,429 6,431 4,429 6,431 7,764 7,	72 108 36 54	90 014,267 2700 14,267 270 014,267 270 014,267 270 014,270 14,270	342 18,176 126 6,827 2,088 90 0 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 2,540 739 3,098 4,14 4,02 4,0,		2010	ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CASTAL OAK WOODLAND CROPLAND CRO	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162 5,945 50,619 111,074 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 124,080 124,080 2,072 2,51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,742 3,297 2,270 10,736 12,358 3,297 2,270 10,736 12,340 14,40 12,340 14,40 12,340 14,	32,515 270 1,585 1,585 1,837 1,807 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 13,565 4,918 23,000 2,018 2,019,018 2,
2010	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ANNUAL GRASSLAND ANNUAL GRASSLAND BARREN BUE OAK-POTHLE PINE US DAK-POTHLE PINE CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND COASTAL SCRUB COASTAL SCRUB COASTAL SCRUB DECIDUOUS ORCHARD DECIDUOUS ORCHARD SETSIDE INE EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUCALYPTUS EUFRER PINE JUNIPER KLAMATH MIKED CONIFER MONTANE HARDWOOD ONDTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD PONDEROSA PINE RED FIR RICE RIVERINE SAGEBRUSH SURRAN MIKED CONIFER SUBALIPINE CONIFER SUBALIPIN	576 4,918 29,327 64,994 4,86 4,990 1,495 9,367 167,800 549,372 39,108 282,063 230,085 20,104 49,971 304,859 3,080 35,470 35,470 355,470 36,670 94,285 8,8052 78,685 141,049 216,685 141,049 216,630 94,285 23,923 126 72	468 6,845 13,637 13,606 30,606 721 176,159 136,204 54 183,022 198 22,175 110,083 144,238 45,629 5,566 58,634 46,647 47,359 167,710 39,252 289,935 668,301 39,252 289,935 668,301 1,027 5,594 53,988 80,955	18 144 1,441 180 54 5,620 1,225 90 198 90 144 378 1,855 288	504 24,139 198 17,762 594 2,936 594 7,87 378 3,987 2,936 36 378 7,404 72 14,898 18 3,170 1,459 11,277 4,071 3,134 4,97 12,376 4,035 15,508 11,547 15,528 180 40,153 15,528 180 40,153 15,528 180 40,153 15,528 180 40,153 15,528 180 40,153 15,528 180 40,153 15,528 180 40,153 15,528 180 11,527 15,528 180 11,527 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 15,528 180 12,528 180 12,529 15,528 180 14,529 15,528 180 14,528 15,528 180 19,527 19,528 19,529 19,527 19,529 19,527 19,529 19,527 19,529 11,527 11,527 11,527 11,527 11,527 15,528 180 19,527 19,528 19,529 19,5	4,792 36 51,322 306 51,2087 1,063 1,2087 1,429 6,431 1,429 6,431 6,431 6,54 1,117 36 5,530 11,547 7,764 7,764 7,764 7,764 7,764 7,752 7,15	72 108 36 54	90 14,267 2016,879 739 3,423 1,946 108 5,278 18 5,278 18 7,2 288 5,400 1,946 1,187 1,946 1,187 1,946 1,187 1,946 1,187 1,946 1,197 1,946 1,947 1,946 1,947 1,946 1,947 1,946 1,946 1,947 1,946 1,947 1,946 1	342 18,176 126 3,69 90 3,098 4,100 667 739 919 919 919 919 919 919 9,180 414 3,698 414 3,698 414 3,698 414 3,698 414 3,698 414 3,698 1,287 1,208 414 3,698 1,287 1,208 1,20	0	2010	ANNUAL GRASSLAND ASPEN BARREN BUTTERBRUSH BUTE OAK WOODLAND BUUE OAK WOODLAND BUUE OAK WOODLAND CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND CROPLAND CROPLAND CASTAL OAK WOODLAND CROPLAND CRO	12,358 25,652 3,152 180 8,485 97,888 392,867 22,319 204,026 160,811 16,195 24,463 214,907 3,026 271,687 48,062 80,162 5,945 50,619 111,074 226,490 770,620 13,204	1,369 2,954 6,577 18 145,481 90,736 140,437 14,988 92,646 124,080 124,080 124,080 2,072 2,51,322 4,630 77,226 46,026 65,175 5,404 36,532 107,471 18,014 36 143,716 519,415	1,441 72 54 5,314 360 90 162 72 54 378 1,837 288	20,572 188 11,925 180 180 5,332 1,837 378 5,008 7,742 3,297 2,270 10,736 12,358 3,297 2,270 10,736 12,340 14,40 12,340 14,40 12,340 14,	32,515 270 1,585 1,585 1,837 1,807 1,027 18 5,278 3,513 4,936 9,890 2,018 198 180 3,243 1,261 144 324 8,917 13,565 4,918 23,000 2,018 2,019,018 2,

414 18,771

18

2.828

6,017 2,522 18

4,449 2,288 3,080 919

> 54 36

18

8,503 54

649 144 9,043 594

36 90 90 72 **36 50,511 89,926** 

95- Very High Exposure > 99% bal Public Private Tribal

901 991 108

6,899

bal Public Pise-90 54 11,223 12,484 234 126 9,349 2,864

234 9,349 234 432 2,720

180

18 1,351 108 2,000

72

252 486 829 1,477 865 126 6,269 450 3,243 1,819 234 54 36 2,198 2,126

Tribal

414 3,999 162 3,729 2,468 4,467 3,459

108 180 522

36 144 72

901 5,242 396

486 558

360

108 3,693 36

36 90

36

54

108

36

54

36

288

This is the Moderate Exposure by land cover (WHR) type table for use in main text. Moderate exposure by watershed tables are in appendix 2, single climate model tables are in appendix 4. Extent = Entire Study Area (5-Watersheds plus 10km buffer) Extent = 5-Watersheds

ent = Entire Study Area (5-Watersheds	plus 10km bi	iffer)					5-Watershe	
8.5 area = acres						RCP8.5	area = acr	
Land Course Trees (MUR)		ate Exposi	ure -			Nod	lerate Expo	
Land Cover Type (WHR)	Public	onsensus Private	Tribal		Land Cover Type (WHR)	Public	Consensus Private	Tribal
ALKALI DESERT SCRUB	Public	Filvate	mpai		ALPINE DWARF-SHRUB	FUDIC	Filvale	IIIDai
ALPINE DWARF-SHRUB					ANNUAL GRASSLAND	7,206	28,318	1
ANNUAL GRASSLAND	8,016	33,974	18		ASPEN	7,200	20,510	-
ASPEN	0,010	55,574	10		BARREN	35,614	6,737	
BARREN	65,949	13,186	18		BITTERBRUSH	18		
BITTERBRUSH	18		10		BLUE OAK WOODLAND	36		
BLUE OAK WOODLAND	36				BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE	721		
BLUE OAK WOODLAND	937				CLOSED-CONE PINE-CYPRESS	558		
CHAMISE-REDSHANK CHAPARRAL		102			COASTAL OAK WOODLAND	229	90	
		224					14 447	
CLOSED-CONE PINE-CYPRESS	775	324				7 (0)	14,447	
COASTAL OAK WOODLAND					DOUGLAS FIR	7,692	2,270	
COASTAL SCRUB					DRYLAND GRAIN CROPS			
CROPLAND		14,934			EASTSIDE PINE			
DECIDUOUS ORCHARD					EVERGREEN ORCHARD			
DOUGLAS FIR	13,456	10,754			FRESH EMERGENT WETLAND			
DRYLAND GRAIN CROPS					IRRIGATED GRAIN CROPS			
EASTSIDE PINE	360	90			IRRIGATED HAYFIELD			
EUCALYPTUS					IRRIGATED ROW AND FIELD CROP			
EVERGREEN ORCHARD					JEFFREY PINE	216		
FRESH EMERGENT WETLAND					JUNIPER	6,773	,	
IRRIGATED GRAIN CROPS					KLAMATH MIXED CONIFER	27,183	29,111	
IRRIGATED HAYFIELD				2100	LACUSTRINE	4,918	2,270	
IRRIGATED ROW AND FIELD CROP	s			2100	LODGEPOLE PINE			
JEFFREY PINE	378	396			LOW SAGE			
) JUNIPER	20,464	5,152			MIXED CHAPARRAL	3,170	1,405	
KLAMATH MIXED CONIFER	31,885	31,092			MONTANE CHAPARRAL	12,177	5,728	
LACUSTRINE	8,160	2,792			MONTANE HARDWOOD	486	630	
LODGEPOLE PINE					MONTANE HARDWOOD-CONIFER	1,045	252	
LOW SAGE					MONTANE RIPARIAN	847	54	
MIXED CHAPARRAL	3,333	1,513			PASTURE		72	
MONTANE CHAPARRAL	13,763	7,404	72		PERENNIAL GRASSLAND	32,533	24,481	
MONTANE HARDWOOD	3,225	1,441			PONDEROSA PINE			
MONTANE HARDWOOD-CONIFER	2,810	955			RED FIR	34,515	1,171	
MONTANE RIPARIAN	1,909				RICE			
PASTURE		522			RIVERINE		18	
PERENNIAL GRASSLAND	48,944				SAGEBRUSH			
PONDEROSA PINE	- / -	18			SIERRAN MIXED CONIFER	21.833	9,890	
RED FIR	58,617				SUBALPINE CONIFER	,	-,	
RICE	50,017	1,205			URBAN		54	
RIVERINE		18			VALLEY FOOTHILL RIPARIAN		5.	
SAGEBRUSH		10			VALLEY OAK WOODLAND			
SIERRAN MIXED CONIFER	31,092	21,761			VINEYARD			
SUBALPINE CONIFER	51,052	21,701			WET MEADOW	1.855	811	
URBAN		54			WHITE FIR	15,366		
VALLEY FOOTHILL RIPARIAN		54						1
VALLEY FOOTHILL RIPARIAN					Total	214,763	140,239	1
VINEYARD								
WET MEADOW	5,891	,						
WHITE FIR	22,391	,						
Tota	l: 342,410	196,965	252					
	Moder	ate Exposi	ure -			Mod	lerate Expo	sure -
Land Cover Type (WHR)	C	onsensus			Land Cover Type (WHR)		Consensus	i
	Public	Private	Tribal			Public	Private	Tribal
ALKALI DESERT SCRUB					ALPINE DWARF-SHRUB			
ALPINE DWARF-SHRUB					ANNUAL GRASSLAND	3,098	10,610	
ANNUAL GRASSLAND	4,089	13,601			ASPEN	2,342	,	
	,						0.704	

		Public	Private	Tribal			Public	Private	٦
	ALKALI DESERT SCRUB					ALPINE DWARF-SHRUB			
	ALPINE DWARF-SHRUB					ANNUAL GRASSLAND	3,098	10,610	
	ANNUAL GRASSLAND	4,089	13,601			ASPEN	2,342	198	
	ASPEN	3,423	378			BARREN	52,745	8,701	
	BARREN	83,621	16,537	36		BITTERBRUSH	324	54	
	BITTERBRUSH	3,873	2,630	126		BLUE OAK WOODLAND			
	BLUE OAK WOODLAND					BLUE OAK-FOOTHILL PINE	36	198	
	BLUE OAK-FOOTHILL PINE	685	540			CLOSED-CONE PINE-CYPRESS	2,990	288	
	CHAMISE-REDSHANK CHAPARRAL					COASTAL OAK WOODLAND			
	CLOSED-CONE PINE-CYPRESS	4,107	522			CROPLAND		108	
	COASTAL OAK WOODLAND					DOUGLAS FIR	2,198	1,964	
	COASTAL SCRUB					DRYLAND GRAIN CROPS			
	CROPLAND	36	2,792			EASTSIDE PINE	72,110	13,222	
	DECIDUOUS ORCHARD					EVERGREEN ORCHARD			
	DOUGLAS FIR	12,610	5,512			FRESH EMERGENT WETLAND			
	DRYLAND GRAIN CROPS					IRRIGATED GRAIN CROPS			
	EASTSIDE PINE	126,728	17,221	54		IRRIGATED HAYFIELD		1,873	
	EUCALYPTUS					IRRIGATED ROW AND FIELD CROPS			
	EVERGREEN ORCHARD					JEFFREY PINE	1,207	234	
	FRESH EMERGENT WETLAND					JUNIPER	79,946	65,661	
	IRRIGATED GRAIN CROPS					KLAMATH MIXED CONIFER	15,978	8,485	
	IRRIGATED HAYFIELD		2,756		2070	LACUSTRINE	4,341	7,548	
	IRRIGATED ROW AND FIELD CROPS					LODGEPOLE PINE	6,125	180	
	JEFFREY PINE	1,261	775			LOW SAGE	180	36	
)	JUNIPER	101,058	71,173	5,440		MIXED CHAPARRAL	33,470	.,	
	KLAMATH MIXED CONIFER	22,373	10,953			MONTANE CHAPARRAL	4,143	1,477	
	LACUSTRINE	5,728	8,160			MONTANE HARDWOOD	2,270	,	
	LODGEPOLE PINE	12,322	955			MONTANE HARDWOOD-CONIFER	3,243	1,765	
	LOW SAGE	1,513	558			MONTANE RIPARIAN	4,377	1,081	

18

54

5,242

2070 JUNIPER

	MIXED CHAPARRAL	33,614	19,851			PASTURE		1,225	
	MONTANE CHAPARRAL	4,810	2,360			PERENNIAL GRASSLAND	1,333	4,540	
	MONTANE HARDWOOD	3,152	3,279			PONDEROSA PINE	739	775	
	MONTANE HARDWOOD-CONIFER	6,611	3,206			RED FIR	8,232	883	
	MONTANE RIPARIAN	6,251	1,729			RICE	26	26	
	PASTURE PERENNIAL GRASSLAND	54	2,090			RIVERINE	36	36	
	PERENNIAL GRASSLAND PONDEROSA PINE	5,314 811	6,431 829			SAGEBRUSH SIERRAN MIXED CONIFER	6,359	1,982 7.170	
	RED FIR	17,311	2,792			SUBALPINE CONIFER	8,214 5,296	7,170	
	RICE	17,511	2,792			URBAN	5,290		
	RIVERINE	36	36			VALLEY FOOTHILL RIPARIAN			
	SAGEBRUSH	11,547	2,504			VALLEY OAK WOODLAND			
	SIERRAN MIXED CONIFER	8,791	10,394			VINEYARD			
	SUBALPINE CONIFER	7,980	306			WET MEADOW	306	2,900	
	URBAN					WHITE FIR	15,870	2,648	
	VALLEY FOOTHILL RIPARIAN					Total:	337,510	168,233	5,314
	VALLEY OAK WOODLAND								
	VINEYARD								
	WET MEADOW	360	4,323						
	WHITE FIR	18,410	3,170						
	Total:	508,481	218,365	5,656					
		Modera	te Exposu	re -			Mode	erate Expos	sure -
	Land Cover Type (WHR)		nsensus			Land Cover Type (WHR)		Consensus	
		Public	Private	Tribal			Public	Private	Tribal
	ALKALI DESERT SCRUB	-		-		ALPINE DWARF-SHRUB	-		
	ALPINE DWARF-SHRUB					ANNUAL GRASSLAND	703	1,693	18
	ANNUAL GRASSLAND	1,459	5,945	18		ASPEN	72		
	ASPEN	90				BARREN	37,415	10,610	36
	BARREN	54,276	12,826	36		BITTERBRUSH	216	198	
	BITTERBRUSH	216	198			BLUE OAK WOODLAND			
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE	2 000	45 444			BLUE OAK-FOOTHILL PINE	811	1,009	
	CHAMISE-REDSHANK CHAPARRAL	3,008	15,114			CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	4,558	216	
	CLOSED-CONE PINE-CYPRESS	4,612	270			CROPLAND		685	
	COASTAL OAK WOODLAND	4,012	270			DOUGLAS FIR	13,943	13,204	
	COASTAL SCRUB					DRYLAND GRAIN CROPS	_==,= .=		
	CROPLAND		1,441			EASTSIDE PINE	6,521	1,117	
	DECIDUOUS ORCHARD					EVERGREEN ORCHARD			
	DOUGLAS FIR	22,229	14,249			FRESH EMERGENT WETLAND			
	DRYLAND GRAIN CROPS					IRRIGATED GRAIN CROPS			
	EASTSIDE PINE	7,890	2,990			IRRIGATED HAYFIELD	378	38,262	180
						IRRIGATED ROW AND FIELD CROPS	2 400	200	
						JEFFREY PINE JUNIPER	2,486	306	
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS					KLAMATH MIXED CONIFER	3,819 32,569	216 11,691	
	IRRIGATED HAYFIELD	378	65,247	180	2040	LACUSTRINE	18,572	4,503	
	IRRIGATED ROW AND FIELD CROPS	5/0	03,247	100	2010	LODGEPOLE PINE	4,107	306	
2040	JEFFREY PINE	2,882	1,675			LOW SAGE	1,081	378	
2040	JUNIPER	3,873	252			MIXED CHAPARRAL	24,391	10,376	
	KLAMATH MIXED CONIFER	50,043	15,618			MONTANE CHAPARRAL	3,279	1,063	
	LACUSTRINE	21,184	5,116			MONTANE HARDWOOD	8,034	4,936	
	LODGEPOLE PINE	4,377	324			MONTANE HARDWOOD-CONIFER	7,908	7,242	36
	LOW SAGE	3,008	757			MONTANE RIPARIAN	4,648	2,234	
	MIXED CHAPARRAL	26,138	12,916			PASTURE		36	
	MONTANE CHAPARRAL	4,576	1,765			PERENNIAL GRASSLAND	1,081	3,639	
	MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER	8,881 10,394	5,782 9,007	36		PONDEROSA PINE RED FIR	42,711 1,027	27,796 144	
	MONTANE RIPARIAN	5,332	2,468	50		RICE	1,027	144	
	PASTURE	5,552	2,408			RIVERINE	72		
	PERENNIAL GRASSLAND	2,738	5,188			SAGEBRUSH	7,098	342	
	PONDEROSA PINE	56,960	37,397			SIERRAN MIXED CONIFER	56,456	25,526	
	RED FIR	2,126	252			SUBALPINE CONIFER	7,944	18	
	RICE					URBAN			
	RIVERINE	72	36			VALLEY FOOTHILL RIPARIAN			
	SAGEBRUSH	12,610	396			VALLEY OAK WOODLAND			
	SIERRAN MIXED CONIFER	98,302	39,739			VINEYARD			
	SUBALPINE CONIFER	10,484	54				450	1,946	
	URBAN VALLEY FOOTHILL RIPARIAN					WHITE FIR	11,169	2,756	770
	VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND					Iotal:	303,518	172,448	270
	VINEYARD								
	WET MEADOW	522	2,684						
	WHITE FIR	17,257	3,405						
	Total:		263,148	270					
		Moderate E	-	80-			Mod	erate Expo	sure
	Land Cover Type (WHR)		95%			Land Cover Type (WHR)		80-95%	
		Public	Private	Tribal			Public	Private	Tribal
	ALKALI DESERT SCRUB	1,873	11,853			ALPINE DWARF-SHRUB	C 0.00	26.25.	26
	ALPINE DWARF-SHRUB	13 350	56 000	36		ANNUAL GRASSLAND	6,863 162	26,354 72	36
	ANNUAL GRASSLAND	12,230	56,888	30		ASPEN	102	12	

ANNUAL GRASSLAND ASPEN BARREN

BLUE OAK-FOOTHILL PINE

BITTERBRUSH BLUE OAK WOODLAND 12,250 56,888

 12,250
 50,688

 342
 198

 74,308
 18,464

 6,323
 5,638

 1,837
 36,154

4,233 22,680

	Public	Private	1
ALPINE DWARF-SHRUB			
ANNUAL GRASSLAND	6,863	26,354	
ASPEN	162	72	
BARREN	51,772	14,483	
BITTERBRUSH	1,351	667	
BLUE OAK WOODLAND	757	2,306	
BLUE OAK-FOOTHILL PINE	1,855	7,476	
CLOSED-CONE PINE-CYPRESS	8,485	306	

	CHAMISE-REDSHANK CHAPARRAL	144	216			COASTAL OAK WOODLAND			
	CLOSED-CONE PINE-CYPRESS	9,529	685			CROPLAND	108	21,545	
	COASTAL OAK WOODLAND	18	18			DOUGLAS FIR	39,973	28,264	
	COASTAL SCRUB		18			DRYLAND GRAIN CROPS		468	
	CROPLAND	252	42,657			EASTSIDE PINE	73,947	25,544	162
	DECIDUOUS ORCHARD					EVERGREEN ORCHARD			
	DOUGLAS FIR	50,529	34,875			FRESH EMERGENT WETLAND			
	DRYLAND GRAIN CROPS		468			IRRIGATED GRAIN CROPS			
	EASTSIDE PINE	96,951	35,127	162		IRRIGATED HAYFIELD	2,828	69,660	180
	EUCALYPTUS					IRRIGATED ROW AND FIELD CROPS			
	EVERGREEN ORCHARD					JEFFREY PINE	3,783	216	
	FRESH EMERGENT WETLAND					JUNIPER	19,617	5,368	18
	IRRIGATED GRAIN CROPS					KLAMATH MIXED CONIFER	41,919	24,895	
	IRRIGATED HAYFIELD	2,828	98,915	180	2010	LACUSTRINE	17,708	8,737	
	IRRIGATED ROW AND FIELD CROPS				2010	LODGEPOLE PINE	12,123	2,126	
	JEFFREY PINE	5,837	2,522			LOW SAGE	14,717	5,692	
2010	JUNIPER	31,380	9,331	18		MIXED CHAPARRAL	37,073	18,699	18
	KLAMATH MIXED CONIFER	54,006	28,336			MONTANE CHAPARRAL	40,712	13,150	
	LACUSTRINE	23,418	10,808			MONTANE HARDWOOD	67,606	40,712	36
	LODGEPOLE PINE	16,537	4,143			MONTANE HARDWOOD-CONIFER	34,929	22,535	18
	LOW SAGE	25,598	8,340			MONTANE RIPARIAN	5,656	1,927	
	MIXED CHAPARRAL	41,955	36,334	18		PASTURE	18	2,774	
	MONTANE CHAPARRAL	54,042	15,942			PERENNIAL GRASSLAND	2,270	5,242	
	MONTANE HARDWOOD	78,505	57,501	36		PONDEROSA PINE	51,106	44,278	
	MONTANE HARDWOOD-CONIFER	41,342	29,147	18		RED FIR	27,075	1,495	
	MONTANE RIPARIAN	6,665	2,468			RICE			
	PASTURE	18	4,828			RIVERINE	270	126	
	PERENNIAL GRASSLAND	4,359	8,340			SAGEBRUSH	79,352	15,546	
	PONDEROSA PINE	70,128	58,185			SIERRAN MIXED CONIFER	136,294	104,355	72
	RED FIR	43,089	4,485			SUBALPINE CONIFER	10,916	36	
	RICE					URBAN			
	RIVERINE	360	144			VALLEY FOOTHILL RIPARIAN			
	SAGEBRUSH	109,669	20,050			VALLEY OAK WOODLAND			
	SIERRAN MIXED CONIFER	202,081	151,065	72		VINEYARD			
	SUBALPINE CONIFER	23,995	522			WET MEADOW	1,387	3,603	
	URBAN	72	11,295	90		WHITE FIR	49,574	12,592	
	VALLEY FOOTHILL RIPARIAN	18	486			Total:	842,208	531,250	594
	VALLEY OAK WOODLAND		306						
	VINEYARD								
	WET MEADOW	2,306	5,746						
	WHITE FIR	60,275	14,087						
	Total	: 1,157,074	,	685					
			-,						

These seated-mentality labes 1 for land cover (2019) takes, choosing areas of consensation hash. Also exposure in each of the 3 waite Ealerst over Watershed REPEL area waters	ercland: Extent = Feather Watershed ECEL and a skow	Indexis - Upper Tainity Watershed ICFES area - aces	Note:         Note: <th< td=""><td>Eulent - Upper Sacameets Watershed ECPE.3 area - alrea</td></th<>	Eulent - Upper Sacameets Watershed ECPE.3 area - alrea
Refugio - High Exposure - Very High Exposure - Land Cover Type (WHM) Concessus Fublic Poster Tribul Public Poster Tribul Public Poster Tribul	Religia - High Reposare - Very High Reposare - Land Gaver Type (WHM) Concessous Concessous Publics Private 2014al Publics Private 2014al Publics Private 2014al	Refugita - Nigh Exposure - Very High Exposure - Land Cover Type (WHW) Concentration Concentration Concentration Public Private Public Private	Refugia - Nigh Espanser - Very High Espanser - Land Cover Type (MINE) Canoninus Concensus Concensus Public Private Public Private Public Private	Refugio - High Expense - Yony High Land Cover Type (WHR) Commence: Commence: Expenses - Public Private Public Private
AUXAL DESINT KOUR AUFOR DWEAP SOFUL	ALANA DESERTIONS ALPINE CHANNE SHOLE	AUXAL DESIRT FORM AUTOR DWART-SHOLE	ALKAU DEMAY SCHUB ALFAR DAAR-SHUB	AUGULI DESERT SCALE AUPARE DWARP-SKRUE 10 36
Anisotratical	ALL DESERTORIA AMARIA COMPANYA AMARIA COMPANYA AMARIA COMPANYA AMARIA AM	ANNUAL GRAINLAND IN 1,275 200 AAPIN BARRIN 270 612	ARVENIL GAUSSLAND 210 718 108 210 ADPEN 31 BARREN 31 28 31	ANNUA GARANANO 101 011 ASPEN MANDEN 200 201 201 201
RTTEREUM 23,855 1,65 BLUE DAX WODELAND 14 28	RETERBULK REF DAKWODDAND 193 4,666	RTTREAULH BLUE OKK WOODLAND	ADVEN N N N N N N N N N N N N N N N N N N	BITTERBUSH BLUE OFK WOODLAND
ILLE GAG-FOOTHELPINE 1,127 109 18 738 298 CHAMINE-REDINANC CHAMINEL	BLUE CAR POCTIAL PINE 3,000 14,007 18 CHRANGE REDSHILLAR CHRANARAL	BLUE DAG FOOTHEL PAR OKAMISE REDUKING CHAPAINEL	BLUE GAR-PODTHEL PINE GAR NO CHEMINE REDINANC CHEMINES	BLUE GRE-PODTHELI PINE 955 560 CHARTER-REDIKINK CHAPTERIEL
CLUMED COMPANY (COMPANY ), 27% 181 101 CONTRE ORK WOODLAND CONTRE IORK W	COMPACTIVES IN THE COMMAN IN THE COMPACTIVE INTERCE INTE	CONSTALCOR PARTONNAL IN IN IN CONSTALCOR WOODCARD CONSTALCOR	CLOSED COM PAGE (WIGHLAND) IN	CLOBECOR PRE-CYPERS 288 206 CONTRA COX WOODLAND CONTRA COX WOODLAND
CROFWARD         NV         NI         L         L         RI           BIDDUDGIO GROAM         NI	CROMAND 729 23,470 72 DECISIOUS DECISION	DICIDION ORCHARD	CREMAND DECIDIOUS ORDAND	CREPLINE 18 DECOUDUS ORIONAND
DOUBLAR PR 36 108 12,452 1,75 DIREARD DRAIN (CRPS 50 50 50 51 REPORT REF	DOJULASHK 11(0% 14,20% DIFLAND DISN CROPS 54 334 ANTHONY RINK 134 334 334 334 334 334 334 334 334 334	DOUBLAA FM 28,429 22,442 388 72 18 DRYLAND DAMIN CHOPA MARKAR MARK	DOUGLAFIN 4,019 8,279 DIFLAND GRAIN (BDP)	DOULLA FIR 1,870 1,779 10,770 11,879 DIVLAND GRAIN CROPS
ILCAUPTUS IVIDINEN CHOMAD 28	EUCADIPTUS EVERGENEN ORCHARD 13	ILCRAFFUS INTROBUS OR MAD	EVENING COMPANY	EUCROPPEN EVERATED DEDAND
PREIX IMERCIAL WITLAND 72 36 IRROLATED GAME OFFICE RECORD 800	PRESE EMIRICAND 72 IREGATE GRAN CROPS	PRESE ENERGENT WITLEND BREATED ERAIN CROPS	PRESERVICED IN WITHOUT AND INVESTIGATION OF THE PRESERVICE OF THE	PRESE EMERGENT WETLAND INVESTIG EASING CREPS
INDUCATIO NOTIVALO IL 2010 2010 1000 2010 INDUCATIO NOV AND FELO CROPS 2010 2010 2010 2010 2010 2010 2010 201	INVESTIGATION AND HELD CHOPS INVESTIGATION AND HELD CHOPS INVESTIGATION AND HELD CHOPS	REDUCTION FRANCISCOPE REDUCTION AND FILLS CROPE REPORT FOR 28 14	INFORMATION AND FILE CROPS INFORMATION AND FILE CROPS	IRREATED ROWARD HELD CROPA IRREATED ROWARD HELD CROPA IRPRET FOR
Approx         Loc         Act         See         See         See           Approx         Loc         Loc         See         Loc         See	International and the second	AND AND AND CONFER 10,127 30,093 2,738 2,732	2000 ALIMPER KLAMARTH MERID COMPER 7,458 8,858 4,972 7,890 2,558 396	2000 AUMPER KLAMATH INKED COMPER 30,462 21,466 4,700 8,001 4,201 4,376
MARCHY-MIDS CONTR         L/12         L/13         L/13 <thl 13<="" th="">         L/13         L/13<td>LACURTRAN 1,311 36 4,411 363 LODGRADU PNN 739 4,137 1,389 LODGRADU 606 226</td><td>LACUSTRAN 1,279 28 28 36 LODGEPOLE PRIE LODGE MAR</td><td>LACUMENT 1,207 LODGEPOLIPHE IN 775 LODGEPOLIPHE IN 775</td><td>LACUNTING 24 0,10 20 LODGEPOLIPINE LODGEPOLIPINE</td></thl>	LACURTRAN 1,311 36 4,411 363 LODGRADU PNN 739 4,137 1,389 LODGRADU 606 226	LACUSTRAN 1,279 28 28 36 LODGEPOLE PRIE LODGE MAR	LACUMENT 1,207 LODGEPOLIPHE IN 775 LODGEPOLIPHE IN 775	LACUNTING 24 0,10 20 LODGEPOLIPINE LODGEPOLIPINE
MEEDOMAANAA 20,128 27,100 54 88 4,323 669 MONTANE OMAANAA 70,923 33,738 72 342	LODGUPCLIVEL         780         4,187         1,38           LODKARDAL         686         2,54         6,65         6,65           MONDORAMANA         71,476         8,192         1,468         1,463         4,663           MONTAIN MADEVICOD         6,464         1,465         2,465         2,467         2,467         2,467           MONTAIN MADEVICOD         6,464         4,467         2,465         2,467         2,467         2,467	MICED CHAPTERINE 14 MONTANE CHAPTERINE EL,452 1,217 10 344	MEEDOWAMAA 14 16 196 14 MONTANEOWAMAA 1,373 4,241 198 14	MORD DAMANNAL 4,423 109 MONTANE DAMANNAL 4,852 2,055 722 212 1,452 723
MONTANE ANDODO 14,016 11,111 III 12,218 3,123 MONTANE ANDODO COMPER 3,013 3,123 18 13,123 MONTANE MADAGEN 120	NONYEAN HARDWOOD 0,00 1,00 20,013 21,019 72 NONYEAN HARDWOOD-CONVEX 8,218 2,722 36 22,018 11,019 NONYEAN HARDWOOD-CONVEX 8,218 11,019	MONTANE RANDOOD 1,227 326 MONTANE RANDOOD-CONFER 4,722 3,200 MONTANE RANDOOD-CONFER 1,721 3,200	ADMITANE NARDWOOD 789 775 18 5,206 2,408 MONTANE NARDWOOD COMPER 1,811 1,815 1,318 1,318 MONTANE REPORT	MONTINE INVOICED 288 1,003 11,705 7,705 MONTINE INVOICED CONFER 1,805 1,809 5,260 6,361 MONTINE INVOICED CONFER 1,805 1,809 5,260 6,361
PA37URE 1,207 9/0 PERINALAL GRADULARD 7,000 1,000	UNDERSONATION         7.00         1.00         1.00           UND LAD         Non-         2.00         2.00         2.00           UND LAD         Non-         Non-         2.00	Bit Control Linka         M           Bit Linka         M	MESCONFORME         10         10         10         10           MESCONFORME         10         10         10         10         10           MESCONFORME         10         10         10         10         10         10         10           MESCONFORME         10	MORE DOWNRASE.         4,62         2.03         3.1         2.04         7.0           MORENEE ONDOWNRAS.         4,82         2.03         3.1         2.04         7.0         1.04         7.0           MORENEE ONDOWNRAS.         4,84         2.08         3.1         3.04         7.00         1.01         7.00           MORENEE MOREODO COMPEND.         3.84         4.08         1.01         7.00         1.01         1.02
Mathematical and the second	POSCERSCA PARE 1,980 3,927 0,847 5,964 36 1800 PM 10,123 08 12,123 08 12,127 75 RCR 10,127 10	PONDERDAAPINE 1,023 680 ND MK 1,729 226 36 36	PONDERDAA PINE 20,222 8,248 1,318 531 RED PR 576 80 126 576 36 228	Unconstant Additional Constructions     Unconstant Additional Constructions     Unconstructions     Unconstructions     Unconstructions     Unconstructions     Unconstructions     Unconstructions     Unconstructions     Unconstruction
NGA IN NVERNE 18 SAGENNIN IS, NO 20, NO 30	RAA RAVERAR 160 200 SAGUERUM 80,200 14,403	NLA NVRNI MARREN 28	NA. RVURNE SAGERNJIH 28 H	No.4 RV2008 SAGERUSH
LINDAA MARKA COMPUK     NUK72 K1,207 U.K12 2,770 208 688     LUMAA PARK COMPUK     T      THE N	SERMAN MONDO COMPER 129,868 41,560 34,204 8,054 54 54,540 41,680 Sumanne Comper Interne	SUBAN MOD CONFER SUBANE IN CONFER	SERMAN MIRE CONFER 17,056 43,117 SUMALPER CONFER 54 108	SERMAN MEDICOMPER 7,382 2,363 SUBALINE COMPER 252 3,189 26 INSENT
VALLEY FOOTHEL REAMEN 28 28 28 28 28 28 28 28 28 28 28 28 28	VALLEY FOOTHEL REPARTAN 18 72 VALLEY FOOTHEL REPARTAN 18 72	NULLY FOOTNEL REPAININ VALUEY FOOTNEL REPAININ VALUEY CAR INCOOLING	UNLEY FOOTHEL REPAREN VALLEY FOOTHEL REPAREN	VALLEY FOOTHEL REPARTAN 72 54 VALLEY CONTINUE REPARTAN 72 54
Non-state         And         A	VNETAND WET MILLOOW 812 8,667 36 164	VINITARD 18 WITMARCOW 36 90	VINENAD WITHEADDW 28 342	VINEYARD WYTMEADOW 18 200
WWW.WWW 2,007 201 201 201 202 202 202 202 202 202 202	1. 2 2 1.	анны так. 27,001 3,000 36 Тыбай 188,1999 71,880 4,792 3,689 3,891 560	www.new. 4,028 6,547 398 3031 20 Todak 67,320 27,088 8,909 20,256 20,276 20,754	WWW.MWW 12,000 700 228 00 28 Table 12,000 22,000 6,011 6,018 10,000 86,768
Notice         1         1         1         1           Note Read         4         1	Land Caver/Type (VDHT) Concencus Concencus Concencus			Main         Main <th< td=""></th<>
Public Provide Tribal Public Private Tribal Public Private Tribal Public Private Tribal AuxNat Desert SCHARE AuxNet SchAre General	Adds         Acces         Mail         Poils         P	Public Note Public Notes Public Notes Public Notes Public Notes	Public Private Public Private Public Private Autoral Detectric CRUB Autoral CRUB	Public Private Public Private Public Private Public Private Autoral Distant SCRUB Autoral DWARF-SKRUB
ANDI: DISSIFTATION         1.84         4.76         10         10           ANDI: GRADIA         1.84         4.76         10         10           ANDI: GRADIA         20         M         10         10           MORE         20         M         10         10           MORE         10         10         10         10           ALLIA CARUTOLINA         10         10         10         10           ALLIA CARUTOLINA         10         10         10         10	ALALG DERFETIONE Alfand Daware-Beiter Annean: Delander-Beiter Annean: Delander-Beiter Annean: Delander Annean: Delander Annea	ANNUAL DEBENAND IR 271 1,011 5% APPIN	ANVERIL GAMBLAND 18 No. 2,077 ASPEN 38	ANNUAL GARBALAND 36 288 612 288 ASPEN
AMPRA 30 % 12 20 AMPRAN 30 % 14 20 MARKAN 12 10 10 MULTIONAL WORKSON 12 10 10 MULTIONAL WORKSON 12 10 MULTIONAL WORKSON 1201	RUDEN BIL 717 194 308 RETERBULE BUT DATWOODLAND 129 6-209	RAMEN 1N 20 20 ETTERATION RUTOR WOODLAND	BARREN IN 108 BITTERBRURM 234 BUR DAX WOODDAND	BARRIN 614 1,801 IN BITTERBUCH BLIE GIK WOODLAND
BLUE DAK-FOOTHELLIPINE 1,081 162 881 90 CHAMTER-REDINANK CHAPTEREL	BLUE CAM POOTHEL PARE 4,377 10,423 CHAMME RECEIRANCE CHEMINAL	BLUE DISC FOOTHEL FINE OMMERT REQUINE COMPAREL	BLUE GAS-POTHEL PINE CHEMISE REDEALS CHEMISEL	BLUE DISC-FOOTHELL PINE CHARTER-REDISMINE CHAPTERINE
CLOBED COM PART 163 18 COASTAL COM PACTURES COASTAL SCHW	COMPACTOR PAGE COMMA COMPACTOR AND 18 COMPACTOR AND 18	CLOBER-COMPANY 72 211 CONTRA-COMPANY 72 211 CONTRA-COMP	CLOSED COM PAGE (WHERE 218 282 COMTRA CAR WOODLAND COMTRA CAR WOODLAND	CONTRA COM PAGE CEPTERS CONTRA COM WOODLAND CONTRA COM WOODLAND
CONDUCTOR DECIMINE         ALTER         64,000         Not         1,200         1,201         1,212         236           DECOLUDIS DECIMINE         3,107         4,707         2,302         2,311         2,315         2,316         2,3	CROMAND 208 236 834 89,822 DECISIOUS DECISION	DEDUARD DECEMBER OF CHARD	CREMAND DECIDIOUS ORDAND	CREPLINE 18 DECOUCUS ORIGANED
DOGELAA HK 3,107 4,700 2,000 378 DHKLAND GIMAIN CHDPS 128 7,138 KANTEE PAR 81,156 22,158 40,563 27,568 23,156 4,589 295	DOUGLASHR 1,423 2,996 36 206 1,873 1,475 DRIVLAD-DISKN-CHOPS 54 204 ENTERPORTER	DOUGLAAFME 50,988 42,489 847 270 28 DWYANDORMUNCKOPS MANUNGKOPS	DOUGLASHR 4,413 1,567 378 362 DOUGLASHR (RDP) REFERENCES	DOLELAS PR 8,405 4,027 380 54 1,549 580 DIVILAND GRAIN CROPS EXPERIMENTER
RUCKUPTER EVERIEREN ORDAND 28	EUCADIPHUS PRESSEEN OSCHARD 18	EUCACYPTUS EVENISEEN ORD-MAD	ELCANYTUS EXERCISE OCCARD	ELCANYTUS EVERALISE ORDANIS
PEER IMPRENT WITLAND 77 M. INVESTIGANN CROPS 56	PREVENUENT WETAND 72 INSULATED GRAIN CROPS	PRESE EMERGENT WITLAND INVESTIG GAAIN CROPS	PREMIMENDATION COPY	PREM INTERCENT WITLARD INVERTED BANN CROPS
INVESTIGATION AND PELO CROPS 200 AUGUST AND AUGUST AND AUGUST AND AUGUST	INSTRUMENTATION AND PIELD CROPS INFORM PARTY PAR	INVESTIGATION AND VIEW CROPS	INVESTIGATED NOW AND FILLD CHOPS INVESTIGATED NOW AND FILLD CHOPS	INVESTIGATIO NOV AND FIELD CROPS
NEX.00126/07         358           NEX.00126         1.178         1.178         N S           AMPRIX         0.012         N S         N           NEX.00126         N S         N	matrix         table         table         table           Materia         8         - <td>3200 AUNIPER REAMANTY-INDED COMPLEX 08,210 02,000</td> <td>ADVERN KAMMENMORD CONFER 11,612 IV,141 101 14</td> <td>ALMOPER KLAMATH MORE COMPER 41,003 20,104 798 303 126 208</td>	3200 AUNIPER REAMANTY-INDED COMPLEX 08,210 02,000	ADVERN KAMMENMORD CONFER 11,612 IV,141 101 14	ALMOPER KLAMATH MORE COMPER 41,003 20,104 798 303 126 208
LOCORPOLE 2,000 2,000 1,000 LOCORPOLE 1,001 36 2,001 56 18 LOCORPOLE 206 225,128 10,007 380	LODGEPCLI PNE	Landmark         Call         Data         Bit           Section         Section         Section         Section         Section           Microsoftware         Mill         Mill         Mill         Section         Section           Microsoftware         Mill         Mill         Mill         Mill         Section         Section           Microsoftware         Mill         Mill         Mill         Mill         Section         Section           Microsoftware         Mill         Mill         Mill         Mill         Section         Section           Million         Million         Million         Million         Million         Million         Section         Section           Million         Million         Million         Million         Million         Million         Section         Section           Million	Labourner 20 Labourner 20 Labou	LODBINGS ALTER A
MORECHAMMAN 685 1,261 1,619 342 MORECHAMMANN 161,427 10,187 72 72	NEED CRAPANEAL 226 128 108 612 NORTENN CRAPANEAL 81,871 12,150 1,675 266 56 1,629	MORE CHARAGENEL 54 18 35 18 MORELINE CHARAGENEL 61,051 4,562	MERICOMPARIAL 28 538 III MONTANE CHEVARIAL 7,362 5,027 36	MORED Delemental         90         72         1.76         72           MOREDWEI Delemental         7,410         1,127         342         905         256           MOREDWEI Delemental         7,410         1,127         342         905         256           MOREDWEI DELEMENTAL         6,627         8,088         206         1,313         226           MOREDWEI DELEMENTAL         7,081         31,718         36         1         106
MCMILINE INSCREDUCE CONFER 14,400 9,121 201 201 201 201 201 201 201 201 201	MONTEAN HARWOOD CONVEX 20,38 6,423 826 236 836 236 MONTEAN HARWOOD CONVEX 20,38 6,423 836 236 836 236	MONTANE RECEIPCED CONFER 4,433 100 240 10 36 36 MONTANE REPAIRING TO 100 100 36 36 36	MONTONERMENDOD COMPERTING ALTER ALT	MONTANE REALEVANDO 1,422 4,461 4,453
Control         Hall	Marcine         B </td <td>PASTURE PERSONAL GRADULAND 234</td> <td>METEORYMAN.         II         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td> <td>PARTURE PERINALAL GRASSLAND 18</td>	PASTURE PERSONAL GRADULAND 234	METEORYMAN.         II         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	PARTURE PERINALAL GRASSLAND 18
NDFM 31(455 412 NDFM 31(455 412 NDFM 31(455 412	Pussantanda rena algona general de ante esta ser RED PR 27,936 540 236 56 708 REE	NO 200 NO 201 NC	ND NO. 22,728 K/KB	NORMALIZATION 2010 2011 2011 NORMALIZATION 4,177 1,125 28 28 NORM
ндона и ина и нот и мужени и и малекити 1,145 1,466 11,147 10,00 31,666 16 ималекити 1,147 10,147 10,147 10,147 10 ина ина ина и ина ина ина	5005800 1,677 2,000 1,623 1,675	NVERNE 28	RAVERNE RAZERRADO 28 DO	NVERME Indemnuse
REMOVEMENTAL CONFIGN DELL'AL ANU, NO LAN LA SUBALIVACE CONFIGN DELL'AL ANU, NO LAN LA SUBALIVACE DELL'AL ANU LA SUB- URBAN MUNICIPAL DELL'AL ANU LA SUB-LA SUB- URBAN MUNICIPAL DELL'AL ANU, NO LA SUB-LA SUB	SUBARNE CONFER DUTY AND THE STORE	SUBSUPARE CONFER SUBSUPARE CONFER URBAN 35	SERVICE DESCRIPTION AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	SUBALPAR CONFER 0,78 2,82 18 URBAN 17 126 1,82
VALEY POOTNEL RANKIAN 338 VALEY POOTNEL RANKIAN 338	VALIFY FOOTHEL REPAILING VALIFY GROUPLEAD	WALLY PODHAL REAGAN	VALLEY FOOTHEL REMAIN 12 VALLEY FOOTHEL REMAINS	VALLEY POOTHEL EPAKEN 72 50 VALLEY DAX WOODLAND
$\begin{tabular}{ c c c } & c & c & c & c & c & c & c & c & c & $	Marcine         Alian         Billion         Billion <thbillion< th=""> <thbillion< th=""> <thbil< td=""><td>Marco 2003/FM        </td><td>VIRIS 1880 WHYTEPH 23,86 22,862</td><td>Main Security (Main Security</td></thbil<></thbillion<></thbillion<>	Marco 2003/FM	VIRIS 1880 WHYTEPH 23,86 22,862	Main Security (Main Security
1444 591,228 591,008 612 91,728 120,408 703 231,942 120,206 888	Tatadi 688,756 259,589 90 27,806 32,088 0 54,867 97,081 72	7664 200,117 200,666 3,679 1,600 1,639 685	7664 96,00 127,00 2,226 1,000 1,000 1,001	TAGA 20,129 67,663 6,207 2,966 6,228 6,667
Land Cover Type (MTM) Concernant Tybe (MTM) Concernant Conservant Concernant Concernant Public Publi	Annigu - Night Spectra - Virgin Spectra	Land Cover Type (WHR) Conservus Conservus Conservus Conservus Conservus Conservus	WHTHEREONE         2,50         24           Note State         2,50         2,50         2,50           Note State         2,50         2,50         4,50           Land Convertige (Month)         Refuge:         1,50         2,50         4,50           Land Convertige (Month)         Converses         Converses         Converses         Converses	Tatali 10,123 67,465 4,267 2,066 4,225 4,467 Refujio Mijh Expectare Vivy Mijh Land Coverzyje (1000) Consensus Consensus Consensus Padis Nukus Padis Padis Padis
AUXALIDENTY SCHR AUPPER DWEAP-SORUN	ALKAU DERIKTICKUN ALFAND (KANAN-SHARU) AMPRUK GAUSLIAND 4,000 4,345 1,656 23,879 AMPRU 500 500 500 72	AUXAL DESIRT LOUIN AUPOR DAVARY-SHILB	ALKALI DEMINI SCHLIB ALFOR DWAR-SORLIB 28	ADADD DESIRT SCHUR ADMRE DWARF SCHUR 36 35 35
ADDITIONAL TABLE         ADDITIONAL TABLE<	ALKAU DERSEYTANA ALKAU DERSEYTANA ANDERSE DERSEYTAND ANDERSE DERSEYTAND ANDERS BAUERS BAUERS ALKEU J. ALKEU J. ALKEU J. ALKEU	ANKULARAMANO 38 600 1,011 1,021 AIPIN MANEN 8,525 72 806 1,225	ADVENTE DATABLAND 128 (2012 2),028 ADVEN III BARMEN 72 128 72 142	ANNOV EMAILAND 54 508 709 1,455 ASPEN BARNEN 654 2,712
RTTERRELIN 4,327 362 288 34 BLUE OK WOODLAND 396 208	BETTINGUN BUR DAK WODDIAND	BTTIRARUM BLUI OAK WOODLAND	BITTERBLAN 231 BLUE OKKWODELAND	BUT DATA
CAMPIE POLITIKA IN A TANAN ANALA CAMPANAN INA CAMPANAN	CONTRACTOR CONTRACTOR CONTRACTOR OF CONTRACTOR CONTRACTOR OF CONTRACTOR	Ovanis-Rosevania (Vieta) Ovanis-Rosevania Grand-Companya (Vieta)	CHAMSE PEDIMAN CHAMBAG CHAMSE PEDIMAN CHAMBAG CIDED-COM PROCEPTERS 201 100 231 321	CAMPLE REDRANK CAMPAGE COMMENT AND AND CAMPAGE COMMENT AND AND CAMPAGE COMMENT AND AND CAMPAGE COMMENT AND CAMPAGE COMPAGE COMPAGE COMMENT AND CAMPAGE COMPAGE
CONITIN OR WOODLAND CONITIN JORUS	COMMA CARWODDIAND COMMA SCRUB	CONSTRAILOR W CODEAND CONSTRAILOR W	COATSL GACWOODLAND COATSL SCHE	CONTRL OR WOODLAND CONTRL LORUM
CROMAND 18 2,441 291 1,420 DECEMBER (MOMAND DECEMBER NR 12,191 13,831 72 37	CROVAND IN 248 28 14,112 DECEMPTION OF CHARD DOUGLASHW 1.027 1422 278 226	CIDMAND DECEDIOUS ORCHARD DOUGLAN PR CLASS 31.0% 6.320 2.1% 1.385 1.7%	CREMAND DECEMBER ORDERAND DOUGLAFFE 11.97 1.198	CROMAND 18 DECOUCH CROAMD DOCULA PR 1825 22.00 105 101 821 723
DRVANG GRANK CROPS 201 4.300 BATTER PAR 2100 42.028 36 23.00 10 100	DIPLAND ERAN CROPS 54 208 ENTRE PRE 20,86 2,762 7,041 5,800 1,317 851	DIVLAND GAMACROPS	$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	DIVILAND GRAIN CROPS
EARNIGE PAGE 281,005 43,028 54 21,085 3,825 54 210 EUCAUPTUS EVERYTIN EVERYTIN	MATHOR PARE 20,086 1,763 7,061 8,060 1,117 811 RUCADPENS EVERATING OCCAMED 18	EATHER ME 270 10 EUCRYPTIS EVERYPTIS	11CA07728	EXAMPLES FOR 623 2,072 ELCALIPTUS EVENIMENTING ORDAND
PREM IMPREDATE VIETLAND 72 72 IRRELATED EANIN CROPS 502	PREVENUES INTRODUCED 72 INICATE GRAIN CROPS	HEIN IMERGENT RUTLAND REGATID GANN CROPS	PREMEMBER INT WITCHND INVESTIG GAME CROPE	PRESE IMPRESENT WITLAND INVESTIG EAAN CROPS
INSTATE NAVINAD 18 4,702 18 4,001 INSTATE NAVINAD FEIDENDYS 2310 YMM 2017 FDB 23101 8,001	INDUATE ANY RED TO THE TAXES TO TT TAXES TO THE TAXES TO	REGATE REVAILS CROPS	IRREATED ANY FILD IRREATED ANY AND FILD CROPS	INDEATED NATHFIED 54 INDEATED NOW AND HER CROPK INDEATED NOW AND HER CROPK
2014/FER 120,081 10,096 8,361 522 KLAMARY MIXED COMMER 18,004 7,403 362	2000 1979/07/WAI 0,410 1,513 24 2000/1770 KAAMATIMMODID CONFER LACUSTRIME 1,279 36 667 262 050 394 LCDDB/PCA.PMER 6,575 146 38 36	AUMPER KLAMACH-MIKED COMPER 20,128 20,750 4,576 1,258 226 226	AUNIPER KLAMAZYM MIXED COMPER 36,400 33,976 28 28	ALMAPER KLAMATH MIKED COMPER 38,449 44,212 1,309 410 28
LACUNTING (),111 (207 380 180 LODGEPOLEPINE 10,124 216 LODGEPOLEPINE 10,124 216	LACUMENTAL 1,279 36 647 342 450 564 LODGEPOLE PNE 6,273 166 28 36 LODGEPOLE PNE 5,275 166	LACUNTRUE 300 30 LODGEPCLI MIL LODGEPCLI MIL	LACUITMINE 28 LODGEPORE NW 36 54 LODGEPORE	LACUNTING 26 542 26 LODGEPOLEPINE LODGEPOLEPINE
MORDOWANNA 1,00 1,00 1,00 1,00 100	MIKROCHNAVAMAL 1, AG 270 2,810 522 18 MONTRAECHNAVAMAL 95,563 14,521 32 851	MINE DAMANNA 214 225 221 225 221 222 MONTANE CAMANNAS EL. (2),012 (2)15 28	UGW MARE MINISOLAP ARMAN, R, 200 R, 307 10 MORTANIE CHARAMAN, R, 200 R, 307 100 MORTANIE KAREWOOD R, 10, 10, 11, 11, 12, 107 800 701 701 MORTANIE KAREWOOD CAMEER 7, 30, 8, 13, 13, 13, 13, 13, 13, 13, 130	MORD DAMARKAL 54 50 50 50 MORTINE DAMARKAL 8,007 7,208 50 234 MORTINE RAKEWOOD 7,308 503 1,00 503 1,00 50 MORTINE RAKEWOOD COMPER 51233 1,2131 1,214 2,258 50
MEAN 1484 INSIGNAL AND INFO 14,817 (1,88) 18 4,019 2,118 1,009 1,329 MONTINE HARDWOOD-CONFER 14,914 18,128 18 1,019 1,187 213 218 MONTINE BRANKIN 610 2,017	UNICATION         Value	NOVE         72         33         52           NOVEMONIA         70         10         72         10         10           NOVEMONIA         70         10         7         10         10         10           NOVEMONIA         70         10         10         20         10 </td <td>LOW MARK         10         77         1           MARCING COMPARIA         LOW         100         70         70           MORDING COMPARIA         LOW         LOW         70         70         70           MORDING COMPARIA         LOW         LOW         100         70         70           MORDING COMPARIA         LOW         LOW         LOW         70         70           MORDING COMPARIA         LOW         LOW         LOW         70         70           MORDING COMPARIA         LOW         200         200         70         70           MORDING ADARTH         LOW         LOW         200         200         70</td> <td>NUMERAN PARTICIPATION OF TAXABLE TAXAB</td>	LOW MARK         10         77         1           MARCING COMPARIA         LOW         100         70         70           MORDING COMPARIA         LOW         LOW         70         70         70           MORDING COMPARIA         LOW         LOW         100         70         70           MORDING COMPARIA         LOW         LOW         LOW         70         70           MORDING COMPARIA         LOW         LOW         LOW         70         70           MORDING COMPARIA         LOW         200         200         70         70           MORDING ADARTH         LOW         LOW         200         200         70	NUMERAN PARTICIPATION OF TAXABLE TAXAB
PARTURE 2,162 PERENALGANASLAND 64,623 24,167 34	PARTURE 54 36 PRESAMA DEALERAND 200	PARTURE PREMIUL GALELAND 18 288 18	PARTURE PERSONAL GAASLAND 142	MORENAL MARKANG         12,20         1,21         1,22         1,28         1.8           MORENAL MARKAN         12         2         2         1.8         1.8           MORENAL MARKAN         12         2         2         1.8         1.8           MORENAL MARKAN         12         2         2         1.8         1.8           MORENAL MARKAN         10         1.0         1.8         1.9           MORENAL MARKAN         100         1.0         1.8           MORENAL MARKAN         1.90         1.0         1.8           MORENAL MARKAN         1.90         1.0         1.8           MORENAL MARKAN         1.90         1.0         1.8
Pursunanusurinan 00,600 71,027 800 500 1,020 200 86 MIG-PMI 06,728 979 MIGI 300	Pumanenana (8,837 7,938 3,128 56 72 263 MD7W 56,831 3,933 WER	PURSUAL 2015 201 201 100 MB 2010 2010 2010 2010 2010 2010 2010 201	Pureamanana meli 8,000 18 798 878 566 198 NED FW 18,779 13,000 18 NEE	PLANUERUSEAFENE 196 622 126 28 RED FUE 1,001 1,001 14 RCCE
Image: sector (1)         1/2	Matrix         Jac         Jac <thjac< th=""> <thjac< t<="" td=""><td>NVERNE 28</td><td>RAVERNE LAGIERRENA 23 26</td><td>NVENI LAGERATIK</td></thjac<></thjac<>	NVERNE 28	RAVERNE LAGIERRENA 23 26	NVENI LAGERATIK
20000020000020000000000000000000000000	AMARANA LAWARE 080,000 222,020 100 1,747 36 36 36 SUBJURA CONFIL URAN 72 270 4,828	REMARKA LARVER REMARKA CONVER GRAN LARVE 122 30	ARRANGE CONFIRE 0,000 27,000 SLEALPH CONFIRE URBAN 28 132	REMOVE WARDER COMPER 1,000 820 SURAUPER COMPER URBAN 208 2,002
VALEY FOR WORDSAND	VALIF FOOTHEL REMAIN 35 101	MULTY POORAL REPARAN	VALLEY FOOTHEL REAMEN 54 VALLEY CAR WOODLAND	VALLEY PODTHEL REAMAN 10 280 VALLEY COMWODDIAND
VIEW MARADOW 8,775 36,277 252 WHTH MARADOW 8,175 25,272 252	VRETAND NAT'MANDOW 3.% 4,089 36 54 36 WeetPark 362,736 21,778 38 72	BARDA VODE CONVIR         BAR           BARDA VODE CONVIR         BAR           BARDA VODE CONVIR         BAR           Nauf FOSTBALE PARKON         BAR           Mart FOSTBALE         BAR           Mart FOST         BAR	Instanting and any set of the se	VIRTHAND WYTHRADOW 28 18 WYTHRA 8,463 1,203 28
7668 1007128 680,700 4,722 20,206 20,100 M 10,409 20,100 M	7664: 870,278 210,117 184 26,200 26,079 0 26,872 49,280 18	7664 186,687 71,788 26,221 7,081 6,078 6,179	7668 211,008 200,027 4,210 3,583 3,512 3,260	Takai 90,709 80,800 8,471 8,427 8,228 7,088

Federat	This is supplementary table 2 for la = Pit Watershed	ind cover ()	NHR) typ	es, show	ing areas of con	sensus moderate exposure in each = Feather Watershed	of the 5 w	atersheds	
	= Pit Watershed area = acres	Modera				= Feather Watershed 5 area = acres		derate Expos	
	Land Cover Type (WHR)	Con	nsensus Private			Land Cover Type (WHR)	Public	Consensus	Tribal
	ALKALI DESERT SCRUB	Public	Private	Tribai		ALKALI DESERT SCRUB	Public	Private	Tribal
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND	3,098	6,449	18		ALPINE DWARF-SHRUB ANNUAL GRASSLAND	4,053	20,932	
	ASPEN BARREN	21,599	5,710			ASPEN BARREN	5,981	847	
	BITTERBRUSH BLUE OAK WOODLAND	18 36				BITTERBRUSH BLUE OAK WOODLAND			
	BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL	721				BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL			
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	324				CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND			
	COASTAL SCRUB					COASTAL SCRUB			
	CROPLAND DECIDUOUS ORCHARD		9,385			CROPLAND DECIDUOUS ORCHARD		5,062	
	DOUGLAS FIR DRYLAND GRAIN CROPS		72			DOUGLAS FIR DRYLAND GRAIN CROPS		18	
	EASTSIDE PINE EUCALYPTUS					EASTSIDE PINE EUCALYPTUS			
	EVERGREEN ORCHARD					EVERGREEN ORCHARD			
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS					FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS			
	IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS					IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS			
2100	JEFFREY PINE	6,773	2.378		2100	JEFFREY PINE JUNIPER	54	72	
2100	KLAMATH MIXED CONIFER	2,810	1,549		2100	KLAMATH MIXED CONIFER			
	LACUSTRINE LODGEPOLE PINE	1,585	216			LACUSTRINE LODGEPOLE PINE	1,351	1,711	
	LOW SAGE MIXED CHAPARRAL	2,198	1.405			LOW SAGE MIXED CHAPARRAL	883		
	MONTANE CHAPARRAL MONTANE HARDWOOD	5,170 432	2,018 540	72		MONTANE CHAPARRAL MONTANE HARDWOOD	4,702	522	
	MONTANE HARDWOOD-CONIFER	739	216			MONTANE HARDWOOD-CONIFER	288	18	
	MONTANE RIPARIAN PASTURE	72	72			MONTANE RIPARIAN PASTURE	90		
	PERENNIAL GRASSLAND PONDEROSA PINE	32,407	24,373	54		PERENNIAL GRASSLAND PONDEROSA PINE	72		
	RED FIR RICE	15,816	126			RED FIR RICE	4,017		
						RIVERINE		18	
	SIERRAN MIXED CONIFER	2,792	4,179			SIERRAN MIXED CONIFER	18,969	5,620	
	SUBALPINE CONIFER URBAN		36			SUBALPINE CONIFER URBAN		18	
	VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND					VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND			
	VINEYARD WET MEADOW	1,387	594			VINEYARD WET MEADOW	468	216	
	WHITE FIR	3,297	3,711			WHITE FIR	5,837	1,351	
	Total:	101,275		144		Total:		36,406	0
	Land Cover Type (WHR)	Modera Cor	nsensus			Land Cover Type (WHR)		derate Expos Consensus	
	ALKALI DESERT SCRUB	Public	Private	Tribal		ALKALI DESERT SCRUB	Public	Private	Tribal
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND	775	7,440			ALPINE DWARF-SHRUB ANNUAL GRASSLAND	2.180	1.837	
	ASPEN BARREN	2,342 39,379	198 6,485	18		ASPEN BARREN	8,989	1,675	
	BITTERBRUSH	39,379	54	10		BITTERBRUSH BILLE OAK WOODLAND	0,969	1,075	
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE		162			BLUE OAK-FOOTHILL PINE			
	CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS	2,648	162			CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS			
	COASTAL OAK WOODLAND COASTAL SCRUB					COASTAL OAK WOODLAND COASTAL SCRUB			
	CROPLAND DECIDUOUS ORCHARD		108			CROPLAND DECIDUOUS ORCHARD			
	DOUGLAS FIR DRYLAND GRAIN CROPS	594	793			DOUGLAS FIR DRYLAND GRAIN CROPS	162	378	
	EASTSIDE PINE	49,971	9,079	54		EASTSIDE PINE	22,139	4,143	
	EUCALYPTUS EVERGREEN ORCHARD					EUCALYPTUS EVERGREEN ORCHARD			
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS					FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS			
	IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS		1,873			IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS			
2070	JEFFREY PINE JUNIPER	70.000	65,643		2070	JEFFREY PINE JUNIPER	973	144 18	
2070	KLAMATH MIXED CONIFER	2,504	883		2070	KLAMATH MIXED CONIFER	54		
	LACUSTRINE LODGEPOLE PINE	1,621 1,297	2,504 72			LACUSTRINE LODGEPOLE PINE	955 4,828	4,918 108	
	LOW SAGE MIXED CHAPARRAL	180 33,434				LOW SAGE MIXED CHAPARRAL			
	MONTANE CHAPARRAL MONTANE HARDWOOD	1 225	90 1 567			MONTANE CHAPARRAL MONTANE HARDWOOD	2,738	685 324	
	MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	937 54	937 90			MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	937 3,747	90 739	
	PASTURE PERENNIAL GRASSLAND		1,225 4,395			PASTURE PERENNIAL GRASSLAND	18	108	
	PONDEROSA PINE	1,257	18			PONDEROSA PINE RED FIR	18	198	
	RED FIR RICE		216			RICE	8,070	216	
	RIVERINE SAGEBRUSH	18 4,738	18 1,891			RIVERINE SAGEBRUSH	18 1,621	18 90	
	SIERRAN MIXED CONIFER SUBALPINE CONIFER	504	54			SIERRAN MIXED CONIFER SUBALPINE CONIFER	8,214 18	7,116	
	URBAN VALLEY FOOTHILL RIPARIAN					URBAN VALLEY FOOTHILL RIPARIAN			
	VALLEY OAK WOODLAND					VALLEY OAK WOODLAND			
	VINEYARD WET MEADOW		1,153			VINEYARD WET MEADOW	54	1,747	
	WHITE FIR Total:	594 224,562	*****	****		WHITE FIR Total:	15,276 81,495	2,648 27,201	0
		Modera	te Exposi				Mo	derate Expos	ure -
		Con	nsensus Private			Land Cover Type (WHR)	Public	Consensus	Tribal
	ALKALI DESERT SCRUB					ALKALI DESERT SCRUB ALPINE DWARF-SHRUB			
	ANNUAL GRASSLAND		1,315	18		ANNUAL GRASSLAND	54	108	
	ASPEN BARREN	36 27,363	7,368	36		ASPEN BARREN	36 9,439	2,450	
	BITTERBRUSH BLUE OAK WOODLAND	216	198			BITTERBRUSH BLUE OAK WOODLAND			
	BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL					BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL	811	991	
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	4,323	180			CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND			
	COASTAL OAK WOODLAND COASTAL SCRUB		685			COASTAL OAK WOODLAND COASTAL SCRUB			
	DECIDUOUS ORCHARD					DECIDUOUS ORCHARD			
	DOUGLAS FIR	847	234			DOUGLAS FIR	2,054	2,720	
	DRYLAND GRAIN CROPS EASTSIDE PINE	3,729	450			DRYLAND GRAIN CROPS EASTSIDE PINE	2,792	667	
	EUCALYPTUS EVERGREEN ORCHARD					EUCALYPTUS EVERGREEN ORCHARD			
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS					FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS			
	IRRIGATED HAYFIELD		34,100	180		IRRIGATED HAYFIELD		4,161	
2040	JEFFREY PINE		216		2040	JEFFREY PINE	2,162	198	
	KLAMATH MIXED CONIFER	3,819 18	54			KLAMATH MIXED CONIFER			
	LACUSTRINE LODGEPOLE PINE	7,926 3,729	18			LACUSTRINE LODGEPOLE PINE	1,549 36	1,585 18	
	LOW SAGE MIXED CHAPARRAL	1,081 24,337	378 10,376			LOW SAGE MIXED CHAPARRAL			
	MONTANE CHAPARRAL MONTANE HARDWOOD	5 278				MONTANE CHAPARRAL MONTANE HARDWOOD	955 1.099	216 126	
	MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	5,278 2,540 36				MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN		1,369	36
	PASTURE		36			PASTURE	4,485		
	PERENNIAL GRASSLAND PONDEROSA PINE	685 16,123	2,792 16,717			PERENNIAL GRASSLAND PONDEROSA PINE	270 5,566	667 3,188	
	RED FIR RICE					RED FIR RICE			
	RIVERINE SAGEBRUSH	3,243	198			RIVERINE SAGEBRUSH	72 3,855	144	
	SIERRAN MIXED CONIFER	20,446	4,071			SIERRAN MIXED CONIFER SUBALPINE CONIFER	31,921 360	10,448	
	SUBALPINE CONIFER					URBAN	200		
	URBAN								
	URBAN VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND					VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND			
	URBAN VALLEY FOOTHILL RIPARIAN					VALLEY FOOTHILL RIPARIAN			

Extent = l	Upper Trinity Watershed		
RCP8.5	area = acres	Moderate	Exporture
	Land Cover Type (WHR)	- Con	sensus Private
	ALKALI DESERT SCRUB	Public	Private
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND	18	234
	ASPEN BARREN	8.034	162
	BITTERBRUSH BLUE OAK WOODLAND		
	BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL		
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND		
	COASTAL SCRUB		
	CROPLAND DECIDUOUS ORCHARD		
	DOUGLAS FIR DRYLAND GRAIN CROPS	7,602	2,180
	EASTSIDE PINE EUCALYPTUS		
	EVERGREEN ORCHARD FRESH EMERGENT WETLAND		
	IRRIGATED GRAIN CROPS IRRIGATED HAYFIELD		
	IRRIGATED ROW AND FIELD CROPS JEFFREY PINE	144	18
2100	JUNIPER KLAMATH MIXED CONIFER	6.431	6.305
	LACUSTRINE LODGEPOLE PINE	1,982	0,303
	LOW SAGE MIXED CHAPARRAL	90	
	MONTANE CHAPARRAL	450 54	522
	MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER	18	18
	MONTANE RIPARIAN PASTURE	649	54
	PERENNIAL GRASSLAND PONDEROSA PINE		54
	RED FIR RICE	12,970	414
	RIVERINE SAGEBRUSH		
	SIERRAN MIXED CONIFER SUBALPINE CONIFER		
	URBAN VALLEY FOOTHILL RIPARIAN		
	VALLEY POOTHILE NEAMAN VALLEY OAK WOODLAND VINEYARD		
	WET MEADOW WHITE FIR	270	54
	Total:	38,712	10,016
	Land Cover Type (WHR)	Moderate - Con Public	Exposure sensus
		Public	Private
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND	90	829
	ASPEN BARREN	3,945	216
	BITTERBRUSH BLUE OAK WOODLAND		
	BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL	36	36
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND		
	COASTAL SCRUB CROPLAND		
	DECIDUOUS ORCHARD DOUGLAS FIR DRYLAND GRAIN CROPS	919	324
	EASTSIDE PINE		
	EUCALYPTUS EVERGREEN ORCHARD		
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS		
	IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS		
2070	JEFFREY PINE JUNIPER	36	36
2070	JUNIPER KLAMATH MIXED CONIFER LACUSTRINE	36 3,981 1,387	36 1,117
2070	JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE	36 3,981 1,387	
2070	JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LOGEFPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	36 3,981	
2070	JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE HARDWODD MONTANE HARDWODD MONTANE HARDWODD	36 3,981 1,387 36	1,117
2070	JUNIPER KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD MONTANE HARDWOOD.CONIFER MONTANE RIPARIAN PASTURE	36 3,981 1,387 36 126 180 486 504	1,117 180 90
2070	JUNIPER KAMATH MIKED CONIFER LACUSTRINE LODGEPULE PINE LOW SAGE MIXED CHAPARRAL MONTANE (HAPARRAL MONTANE HARDWOOD CONIFER MONTANE HARDWOOD CONIFER MONTANE RIPARIAN PASTURE PERENIAL GRASSLAND PERENIAL GRASSLAND	36 3,981 1,387 36 126 180 486 504 18 270	1,117 180 90 162
2070	JUNIER KLAMATH MIKED CONFER LACUSTINIE LODGEPOLE PINE LOW SAGE MIXED CHAPARAL MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD MONTANE HARWOOD PERENIAL GRASSLAND PERENIAL GRASSLAND PERENIAL GRASSLAND PERENIAL GRASSLAND PERENIAL GRASSLAND	36 3,981 1,387 36 126 180 486 504 18	1,117 180 90 162 54
2070	JUNIPER KLAMATH MIKED CONIFER LACUSTRINE LODGEFDUE PINE LOW SAGE MIKED CHAPARRAL MONTANE (HAPARRAL MONTANE (HAROWOOD MONTANE HAROWOOD MONTANE HAROWOOD MONTANE HAROWOOD PASTURE PERININAL GRASSLAND PONDEROSA PINE RED RR	36 3,981 1,387 36 126 180 486 504 18 270	1,117 180 90 162 54
2070	JUNIER JUNIER LACUTTINE LACUTTINE LACUTTINE LACUTTINE LACUTTINE MOTE OF LAPAREAL MOTE AND LAPAREAL	36 3,981 1,387 36 126 180 486 504 18 270	1,117 180 90 162 54
2070	JUNIER JUNIER LACUSTINNE LOCUSTINNE LOCUSTINNE LOCUSTINNE MOXED CIAPARBAL MOXEMA LIARDINOCO MOXEMA CIAPARBAL MOXEMA LIARDINOCO MOXEMA LIARDINOCO MOXEMA LIARDINOCO MOXEMA REC REC REC REC REC REC REC REC	36 3,981 1,387 36 126 180 486 504 18 270 90	1,117 180 90 162 54
2070	JUNIER JUNIER KAMATH MICH CONFER LACUSTINNE LODGEPGL FINE LODGEPGL FINE LODGEPGL FINE MONTANE LARADING MONTANE LARADINGO MONTANE LARADINGO MONTANE LARADINGO MONTANE LARADINGO MONTANE LARADING MONTANE LARADING MONTANE LARADING MONTANE LARADING MONTANE LARADING MONTANE LARADING MONTANE LARADING MONTANE LARADING SAGERUSH SUBALIYA SUBALIYA URANI VIELIYA DA WOODAND	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558	1,117 180 90 162 54
2070	JUNIERE LACATT MUSE CONFERE LACATT MUSE CONFERE LACAT MUSE CONFERE LACAT MUSE CONFERE MUSE CONFARCE LANDRONGO MONTAN CENARRAUL MONTAN E HANDRONGO MONTAN E ERANAN PASTURE PERENNIAL CARASSAND PASTURE PERENNIAL CARASSAND PORTENES SAGRRUSH CERENNIAL SAGRRUSH UREAN VALUET FOR WOODLAND VALUET FOR WOODLAND	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558	1,117 180 90 162 54 72
2070	JUNIER JUNIER KAMATH MICH CONFEC LACUSTINE LOGIERDE MICED GAPARIBAL MORTANE CHARARBAL MORTANE HARDWOOD MORTANE HARDWOOD MORTANE HARDWOOD MORTANE HARDWOOD MORTANE HARDWOOD MORTANE HARDWOOD MORTANE HARDWOOD FORERGAS PRE RED RR RED RR RED RR RED RR RED RR SUBJAURE CONFER SUBJAURE CONFER SUBJAURE CONFER SUBJAURE CONFER URBAN VILLEY CONFILE RRABAN VILLEY GOA WOODLAND	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558 4,558 18 16,681	1,117 180 90 162 54 72 72 <b>3,116</b>
2070	JUNIER JUNIER KAMATH MURCH CONFERE LACUSTRUE LOUGEPOL FINE LOUGEPOL FINE MONTANG LARAPARAL MONTANG HARAPANA MONTANG HARAPANA	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558 4,558 18 16,681	1,117 180 90 162 54 72 72 <b>3,116</b>
2070	JUNIER JUNIER KAMATH MURCH CONNER LACUSTINE (AUXIER MURCH OLAPARRAL MONTANE LANARRAL MONTANE LANARRAL MONTAN	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558 4,558 18 16,681	1,117 180 90 162 54 72 72 <b>3,116</b>
2070	JUNIER JUNIER KAMATH MARCH CONFERE LACUSTING WILLIAM AND AND AND AND AND AND AND MARCH COMPARIAL MONTANE LARAPARIAL MONTANE HARDWOOD MONTANE LARAPARIAL MONTANE HARDWOOD MONTANE LARAPARIAL MONTANE HARDWOOD MONTANE LARAPARIAL MONTANE LARAPARIAL MONTANE LARAPARIA SAGERUSH MARCH CONFERE JURIAN MARCH CONFERENCE AND AND AND AND AND AND AND AND AND MARCH CONFERENCE MARCH CONFERENCE MA	36 3,981 1,387 36 126 126 486 504 486 504 4,558 4,558 18 16,681 16,681 18 Moderate	1,117 180 90 162 54 72 3,116 Exposure Private
2070	JUNIER JUNIER KAMATH MURCH CONFERE LACUSTRINE LOUGING INTER MORE AND AND AND AND AND MORE AND	36 3,981 1,387 36 126 180 486 504 18 270 90 4,558 18 4,558 18 16,681 Moderate - Con Public	1,117 180 90 162 54 72 72 3,116 Exposure Exposure Private
2070	JUNIER JUNIER ALCADATH MARCH CONNER LACADATH MARCH CONNER MARCH CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARARBAL MORTANE CHARABAL MORTANE CH	36 3,981 1,387 36 126 126 486 504 486 504 4,558 4,558 18 16,681 16,681 18 Moderate	1,117 180 90 162 54 72 3,116 Exposure Private
2070	JUNIERE KAMATIN MAKES CONVERSE I LACUSTINGE (LACUSTINGE)	36 3,981 1,387 36 126 126 486 504 486 504 4,558 4,558 18 16,681 16,681 18 Moderate	1,117 180 90 162 54 72 3,116 Exposure Private
2070	JUNIER JUNIER KAMATH MURC CONFER LACUSTINE LOUGING HER MOTATA CHARAPANA MORTANE CHARAPANA MORTANE LING CAVE TO YUK MORTANE ANNUAL CHARAPANA ANNUAL CHARAPANA MORTANE MURCANE MORTANE M	36 3,981 1,387 36 6 26 126 126 126 126 126 90 90 4,558 18 16,681 1 8 16,681 1 8 20 20 20 20 20 20 20 20 20 20 20 20 20	1,117 180 90 162 54 72 3,116 Exposure Private
2070	JUNIERE KAMATH MARCH CONFERE LAGUSTINGE (LAGUSTANE) LAGUSTANE LAGU	36 3,981 1,387 100 466 504 466 504 4,558 18 16,681 16,681 16,681 18 396 396	1,117 180 90 162 54 72 3,116 Exposure sensus 162 54 162 54 162 54 162 54 162 54 162 54 54 162 54 163 164 164 164 164 164 164 164 164
2070	JUNIER JUNIER KAMATI MARUS CONFER LACUSTINE (AUSTINE MORED CHARABBAL MONTANE (HARABBAL MONTANE (HARABA	36 3,891 1,387 36 6 26 126 126 126 126 126 90 90 4,558 18 16,681 1 8 16,681 1 8 20 20 20 20 20 20 20 20 20 20 20 20 20	1,117 180 90 162 54 72 3,116 Exposure Private
2070	JUNIER JUNIER KAMATH MURC CONFEC LACUTINE LACUTINE MONTANE CHAPARDAL MONTANE CHAPARDAL MONTANE CHAPARDAL MONTANE HARDWOOD MONTANE CHAPARDAL MONTANE HARDWOOD MONTANE CHAPARDAL MONTANE HARDWOOD MONTANE HARDWOOD M	36 3,981 1,387 100 466 504 466 504 466 504 466 504 466 504 18 18 16,681 16,681 16,681 18 396 396	1,117 180 90 162 54 72 3,116 Exposure sensus 162 54 162 54 162 54 162 54 162 54 162 54 54 162 54 163 164 164 164 164 164 164 164 164
2070	JUNIERE JUNIERE LACATATI MURCE CONFERE LACATATI MURCE CONFERE LACATATI MURCE CONFERE MURCE CIAPARBAL MONTANE LAPARBAL MONTANE LAPARBAL MURCE MURCE CONFERE LAPARBAL MURCE MURCE MURCE CONFERE LAPARBAL MURCE MURCE MURCE MURCE MURCE CONFERENCE MURCE MURCE MURCE MURCE MURCE MURCE MURCE MURCE CONFERENCE MURCE	36 3,981 1,387 100 466 504 466 504 466 504 466 504 466 504 18 18 16,681 16,681 16,681 18 396 396	1,117 180 90 162 54 72 3,116 Exposure sensus 162 54 162 54 162 54 162 54 162 54 162 54 54 162 54 163 164 164 164 164 164 164 164 164
2070	JUNIER JUNIER KAMATH MURCE CONFECT LACUSTING KAMATH MURCE CONFECT WITES OF CONFECT WITES OF CONFECT MURCE OF CARABRAL MONTANE LANDEWOOD WITES OF CONFECT MURCE OF CARABRAL MONTANE LANDEWOOD WITES OF CONFECT SUBMON WITES OF CONFECT SUBMON SU	36 3,981 1,387 100 466 504 466 504 466 504 466 504 466 504 18 18 16,681 16,681 16,681 18 396 396	1,117 180 90 162 54 72 3,116 Exposure sensus 162 54 162 54 162 54 162 54 162 54 162 54 54 162 54 163 164 164 164 164 164 164 164 164
	JUNIER JUNIER KAMATH MARCH CONFER LACUSTINE KAMATH MARCH CONFER SUBJECT SUBJECT SUBJECT SUBJECT MARCE OLAPAREAL MONTANE LARADNOLO OWNER AND	36 3,981 1,387 36 126 46 46 46 46 46 46 46 46 46 46 46 46 46	1,117 180 90 162 54 72 <b>3,116</b> Exposure sensus 162 54 162 54 9,782
2070	JUNIERE JUN	36 3,981 1,387 36 126 504 455 504 455 8 18 18 16,681 18 16,681 18 16,681 18 180 396 36 10,376	1,117 180 90 162 54 72 <b>3,116</b> <b>Deposite</b> Private 162 54 9,782 34
	JUNIER JUNIER KAMATH MURC CONFER LACUTINE (LACUTINE KAMATH MURC CONFER SUBJECT (LACUTINE KAMATH MURC CONFER SUBJECT (LACUTINE MURC CONFER SUBJECT (LACUTINE	36 3,981 1,387 36 126 46 46 46 46 46 46 46 46 46 46 46 46 46	1,117 180 90 162 54 72 <b>3,116</b> Exposure sensus 162 54 162 54 9,782
	JUNIER JUNIER LAUGTAMATA MARCE CONFER LAUGTAME ALAUATA MARCE CONFER LAUGTAME AND ALAUATA MARCE CONFER LAUGTAME AND ALAUAARABAL MONTANE (HARANGOO CONFER MONTANE (HARANGOO CONFER MONTANE (HARANGOO CONFER MONTANE (HARANGOO CONFER MONTANE (HARANGOO CONFER LINE CONFER SUBBANA MARCE CONFER SUBBANA MARCE CONFER LINE CONFER	36 3,981 1,387 36 126 46 46 46 46 46 46 46 46 46 46 46 46 46	1,117 180 90 162 54 72 <b>3,116</b> <b>Deposite</b> Private 162 54 9,782 34
	JUNIERE LAMATH MARCE CONFERE LACUSTING LACUSTING LACUSTING LACUSTING LACUSTING LACUSTING MORTANG CLANARRIAL MORTANG LANARRIAL MORTANG LANA	36 3,981 1,387 36 126 46 46 46 46 46 46 46 46 46 46 46 46 46	1,117 180 90 062 54 72 <b>3,116</b> <b>5</b> <b>6</b> <b>5</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b>
	JUNIERE LAUGTENE LAUGTENE LAUGTENE LAUGTENE LAUGTENE MIXED COMPAREAL MONTANE (LAUARABRAL MONTANE (LAUARABR	36 3.941 1.887 3.6 126 5.04 4.558 18 16,681 18 16,681 18 16,681 18 3.06 3.06 3.06 3.06 3.06 3.06 3.06 3.06	1,117 180 90 162 54 72 3,116 Exposure sensus 162 54 162 54 9,782 9,782 36 8,899
	JUNIER JUNIER KAMATH MURC CONFER LACUTINE KAMATH MURC CONFER LACUTINE MURC CONFACT AND	36 3,981 1,387 36 1220 46 4554 4,558 18 16,681 18 16,681 18 396 306 306 306 306 306 306 306 306 306 30	1,117 180 90 162 54 72 <b>3,116</b> <b>Ceposure</b> sensus 162 54 162 54 162 54 8,899 198 8,899
	JUNIERE KAMATIN MAKES CONVERSE LAGUSTING CONVERSE L	366 3,981 1,387 36 1220 400 4,558 18 16,681 18 16,681 18 180 396 10,376 10,376 10,376 10,376 10,376 10,376	1,117 180 90 162 54 72 <b>3,116</b> <b>Expound</b> <b>54</b> 162 54 162 54 9,782 168 8,899 198 8,899 198 8,899 198 108 109 109 109 109 109 109 109 109
	JUNIERE LAMATH MARCE CONFERE LACUSTINE LACUSTINE LACUSTINE LACUSTINE LACUSTINE LACUSTINE MORTANE CLANARRIAL	36 3,981 1.387 36 126 46 46 46 46 46 46 46 46 46 46 46 46 46	1,117 180 90 162 54 72 <b>3,116</b> <b>Exercise</b> 9,782 162 54 9,782 162 54 8,899 198 109 109 109 109 109 109 109 109
	JUNIERE JUNIERE LACUSTING LACUSTING LACUSTING LACUSTING MIXED COMPARIAL MONTANE LACAPARBAL MONTANE	366 3,981 1,387 36 1223 36 1223 30 4,558 18 30 4,558 18 16,681 18 306 306 306 306 306 306 306 306 306 306	1,117 180 90 162 54 72 <b>3,116</b> <b>Expound</b> <b>54</b> 162 54 162 54 9,782 168 8,899 198 8,899 198 8,899 198 108 109 109 109 109 109 109 109 109
	JUNIERE JUNIERE JUNIERE LACATATI MARCE CONFERE JACUSTINE LACUSTINE MARCE CIAPARRAL MORTANE LAPARRAL MORTANE LAPA	366 3,981 1,387 36 1220 400 4,558 18 16,681 18 16,681 18 180 396 10,376 10,376 10,376 10,376 10,376 10,376	1,117 180 90 162 54 72 <b>3,116</b> <b>Expound</b> <b>54</b> 162 54 162 54 9,782 168 8,899 198 8,899 198 8,899 198 108 109 109 109 109 109 109 109 109
	JUNIER JUNIER JUNIER LAUDTING LAUDTING LAUDTING MATED CAMPARAL MONTANE LANDANGAD MOTADE LANDAN	366 3,981 1,387 36 1223 36 1223 30 4,558 18 30 4,558 18 16,681 18 306 306 306 306 306 306 306 306 306 306	1,117 180 90 162 54 72 <b>3,116</b> <b>Expound</b> <b>54</b> 162 54 162 54 9,782 168 8,899 198 8,899 198 8,899 198 108 109 109 109 109 109 109 109 109

	Extent = McCloud Watershed RCP8.5	area = acri Moderate			Extent = Upper Sacramento Water: RCP8.5	area = acr Moderate	
	Land Cover Type (WHR)	- Cor	sensus Private		Land Cover Type (WHR)		Private
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB	-			ALKALI DESERT SCRUB ALPINE DWARF-SHRUB		
	ANNUAL GRASSLAND ASPEN		342		ANNUAL GRASSLAND ASPEN	36	360
	BARREN BITTERBRUSH		18		BARREN BITTERBRUSH		
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL				BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE CHAMISE-REDSHANK CHAPARRAL		
	CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND	234	90		CLOSED-CONE PINE-CYPRESS COASTAL OAK WOODLAND		
	COASTAL OAK WOODDAND COASTAL SCRUB CROPLAND				COASTAL SCRUB CROPLAND		
	DECIDUOUS ORCHARD DOUGLAS FIR				DECIDUOUS ORCHARD DOUGLAS FIR	90	
	DRYLAND GRAIN CROPS EASTSIDE PINE				DRYLAND GRAIN CROPS EASTSIDE PINE		
	EUCALYPTUS EVERGREEN ORCHARD				EUCALYPTUS EVERGREEN ORCHARD		
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED HAYFIELD				FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS IRRIGATED HAYFIELD		
	IRRIGATED HATFIELD IRRIGATED ROW AND FIELD CROPS JEFFREY PINE				IRRIGATED HATFIELD IRRIGATED ROW AND FIELD CROPS JEFFREY PINE	18	
2100	JUNIPER KLAMATH MIXED CONIFER	9,818	8,647	2100	JUNIPER KLAMATH MIXED CONIFER	8,124	12,610
	LACUSTRINE LODGEPOLE PINE	0,020			LACUSTRINE LODGEPOLE PINE	.,	342
	LOW SAGE MIXED CHAPARRAL				LOW SAGE MIXED CHAPARRAL		
	MONTANE CHAPARRAL MONTANE HARDWOOD	991	234 90		MONTANE CHAPARRAL MONTANE HARDWOOD	865	2,432
	MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	36			MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN		
	PASTURE PERENNIAL GRASSLAND PONDEROSA PINE	36	54		PASTURE PERENNIAL GRASSLAND PONDEROSA PINE	18	
	RED FIR RICE	558	540		RED FIR RICE	1,153	90
	RIVERINE				RIVERINE		
	SIERRAN MIXED CONIFER SUBALPINE CONIFER	72	90		SIERRAN MIXED CONIFER SUBALPINE CONIFER		
	URBAN VALLEY FOOTHILL RIPARIAN				URBAN VALLEY FOOTHILL RIPARIAN		
	VALLEY OAK WOODLAND VINEYARD				VALLEY OAK WOODLAND VINEYARD		
	WET MEADOW WHITE FIR	4,089	4,341		WET MEADOW WHITE FIR	1,873	504
	Total:	15,834 Moderate	14,447		Total:	12,177 Moderate	16,339
	Land Cover Type (WHR)	- Cor	Exposure isensus Private		Land Cover Type (WHR)		exposure nsensus Private
	ALKALI DESERT SCRUB ALPINE DWARF-SHRUB	1 done	- noute		ALKALI DESERT SCRUB ALPINE DWARF-SHRUB	rushe	
	ANNUAL GRASSLAND ASPEN		270		ANNUAL GRASSLAND ASPEN	54	234
	BARREN BITTERBRUSH	216	324		BARREN BITTERBRUSH	216	
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE				BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE		
	CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS	18	90		CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS	324	36
	COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND				COASTAL OAK WOODLAND COASTAL SCRUB CROPLAND		
	DECIDUOUS ORCHARD DOUGLAS FIR	108	90		DECIDUOUS ORCHARD DOUGLAS FIR	414	378
	DRYLAND GRAIN CROPS EASTSIDE PINE				DRYLAND GRAIN CROPS EASTSIDE PINE		
	EUCALYPTUS EVERGREEN ORCHARD				EUCALYPTUS EVERGREEN ORCHARD		
	FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS				FRESH EMERGENT WETLAND IRRIGATED GRAIN CROPS		
	IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS				IRRIGATED HAYFIELD IRRIGATED ROW AND FIELD CROPS		
2070	JEFFREY PINE JUNIPER	4,107	811	2070	JEFFREY PINE JUNIPER	198 5,386	54 5,674
	KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE	4,107 72	811 90		KLAMATH MIXED CONIFER LACUSTRINE LODGEPOLE PINE	5,386 306	5,674 36
	LOUGEPOLE PINE LOW SAGE MIXED CHAPARRAL				LODGEPOLE PINE LOW SAGE MIXED CHAPARRAL		
	MONTANE CHAPARRAL MONTANE HARDWOOD	108 288	126 144		MONTANE CHAPARRAL MONTANE HARDWOOD	1,171	396 630
	MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	576	396 180		MONTANE HARDWOOD-CONIFER MONTANE RIPARIAN	306	180 18
	PASTURE PERENNIAL GRASSLAND		36		PASTURE PERENNIAL GRASSLAND		
	PONDEROSA PINE RED FIR	306 36	486 450		PONDEROSA PINE RED FIR	144 36	
	RICE RIVERINE SAGEBRUSH				RICE RIVERINE SAGEBRUSH		
	SIERRAN MIXED CONIFER	54			SIERRAN MIXED CONIFER	162	
	URBAN VALLEY FOOTHILL RIPARIAN	54			URBAN VALLEY FOOTHILL RIPARIAN	162	
	VALLEY OAK WOODLAND				VALLEY OAK WOODLAND		
	WET MEADOW WHITE FIR				WET MEADOW WHITE FIR		
	Total:		3,495		Total:		7,638
	Land Cover Type (WHR)	Moderate - Cor Public	Exposure isensus		Land Cover Type (WHR)	Moderate - Co Public	Exposure
	ALKALI DESERT SCRUB	Public	Private		ALKALI DESERT SCRUB	Public	Private
	ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN		72		ALPINE DWARF-SHRUB ANNUAL GRASSLAND ASPEN		36
	ASPEN BARREN BITTERBRUSH	108	721		ASPEN BARREN BITTERBRUSH	108	18
	BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE				BLUE OAK WOODLAND BLUE OAK-FOOTHILL PINE		18
	CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS	126	18		CHAMISE-REDSHANK CHAPARRAL CLOSED-CONE PINE-CYPRESS	72	18
	COASTAL OAK WOODLAND COASTAL SCRUB				COASTAL OAK WOODLAND COASTAL SCRUB		
	CROPLAND DECIDUOUS ORCHARD				CROPLAND DECIDUOUS ORCHARD		
	DOUGLAS FIR	54			DOUGLAS FIR	612	468
	EASTSIDE PINE EUCALYPTUS				EASTSIDE PINE EUCALYPTUS		
	EVERGREEN ORCHARD FRESH EMERGENT WETLAND				EVERGREEN ORCHARD FRESH EMERGENT WETLAND		
	IRRIGATED GRAIN CROPS IRRIGATED HAYFIELD				IRRIGATED GRAIN CROPS IRRIGATED HAYFIELD		
2040	IRRIGATED ROW AND FIELD CROPS			2040	IRRIGATED ROW AND FIELD CROPS	216	72
	JUNIPER KLAMATH MIXED CONIFER	18	180	- ~	JUNIPER KLAMATH MIXED CONIFER	7,962	2,558
	LACUSTRINE LODGEPOLE PINE	1,315 342	18 270		LACUSTRINE LODGEPOLE PINE	3,765	162
	LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	234	288		LOW SAGE MIXED CHAPARRAL MONTANE CHAPARRAL	1.333	360
	MONTANE CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER	234 612 576	288 324 721		MONTANE CHAPARRAL MONTANE HARDWOOD MONTANE HARDWOOD-CONIFER	1,333 847 612	360 793 1.891
	MONTANE RIPARIAN PASTURE	54	288		MONTANE RIPARIAN PASTURE		-,071
	PERENNIAL GRASSLAND PONDEROSA PINE	90 19,978	36 7,278		PERENNIAL GRASSLAND PONDEROSA PINE	36 234	90
	RED FIR RICE	775	54		RED FIR RICE	198	72
	RIVERINE SAGEBRUSH	a	o o=-		RIVERINE SAGEBRUSH		
	SIERRAN MIXED CONIFER SUBALPINE CONIFER URBAN	2,108 90	9,079		SIERRAN MIXED CONIFER SUBALPINE CONIFER URBAN	1,982 1,315	1,927 18
	URBAN VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND VINEYARD				VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND VINEYARD		

WET MEADOW	18 1,315	WET MEADOW	16	630		WET MEADOW	270		WET MEADOW				WET MEADOW			
WHITE FIR	2,198 1,153	WHITE FIR	1,78	306		WHITE FIR	4,648	1,117	WHITE FIR		72	18	WHITE FIR		2,468	162
	Total: 132,691 90,881 234		Total: 72,81	31,488	36	Total:	: 49,701	22,049		Total:	26,553	19,365		Total:	21,761	8,665

	Harris Harrison Harrison Harrison Harrison Harrison Harrison Harrison Harrison Harrison				
Adap. Malay. Mar bayahayan bayahayan ba kalayahayan ba kalayahayan ba kalayahayan ba kalayahayan ba kalayahayah kala hawa bada Adal Anan ba Adal man bala Adal man ba Adal man bada Adal			war	And	Adapt Maps Nopherson Sound
			Image: section of the sectio		
Non-control         No.         Non-control         No.					
			Image: second		
Internet         100         10					
Alga, Alga, Maya, Milli balaphapan, bajaphapan, bajaphapan, balanariya (kel) Alga, Alga, bajaphapan, bajaphapan, kastuariya (kel) kastan ka kastan balana balana kastuariya (kel) kelana kastan kastan kastan kastan kastan kasta	Land State Spectrame Markets and State Spectrame Spectra	Last fractige Media Magin Megin Media Me Media Media Medi Media Media Medi Media Media Medi Media Media Medi Media Media	watter by the state of the second state of the	Martin Science Martin Martin Sciences	
			AND AN A A		
				And matrix         And matrix         And matrix         And matrix         And matrix           Material         Material         Material         Material         Material           Material         Material         Material <t< td=""><td>Marging         Marging         <t< td=""></t<></td></t<>	Marging         Marging <t< td=""></t<>
			101		
				III	
Annumentation         O         Cold		And		A CONTRACTOR OF	NATURE IN T
				== · ·	
ունը, ունը, հետ, հետ, հետ, հետ, հետ, հետ, հետ, հետ	terforming book when the second second	and the state of t	were to set and a set of the set	anticetary and antice interior anticetary	and the second s
		Image: product of the sector of the			Image         Image <th< td=""></th<>
MWL         Los         Jus         Jus <td></td> <td></td> <td></td> <td></td> <td></td>					
Name         Name <th< td=""><td></td><td></td><td></td><td></td><td></td></th<>					
				Mail Andready Affania Mail and Andready Affania Mail and Mail an	
Ministration         3         70         70         Ministration         3         70         71           Ministration         6         60         <	RE-ARCHINESSEE IN THE SECOND INTERVALUE.	Window Management in the second secon			AFTERE AND AND A A
And Constrained and A		and the second s		man arts	
Automation         0 <th0< td=""><td></td><td></td><td></td><td></td><td></td></th0<>					
NAME         OPE         OPE <td></td> <td></td> <td>Image: second second</td> <td>Image: second second</td> <td></td>			Image: second	Image: second	
			Image: Control of the second		ала станала станал Станала станала станал Станала станала станал Станала станала станал
Non-control (No. 10)         No. 10	WINDOW PLANE				

Ξ

-

This is supplementary table 4 for land aver (KNR) (gen, should garee, of molecula superverte fatient - Solide Body Jose (U Materiank plus 1 den boller) KNR - avec - server	And of decision of the function of the functio	alerate supprove for single directs models failed = PR Watersheet 8074.5 area - area	Erimit - Fealter Watershell RDEL area - area	Related a Signer Today Materialed RPELextension	Enimi - Načkod Materakod 10763 - ana - ann	lationi - Spyre Taramenia Walarshed ACPL3 - arms - arms
KON exactors Lond Court Type (MHI) MALE DEST CALL MALE DEST CALL APPER DAMA DEST CALL APPER DAMA DEST APPER DAMA DEST	View         same         Mark         Same         Same <th< th=""><th>Mindexade Expension - Mindexade Expension - Land Carver Type (MHM) CMBBL Cody MIRCC Cody Public Private Schul Public Public Public</th><th>Biolisticalis Expension - Biolisticalis Expension - Land Grown Type (WHR) - CHRIR Cody - BARCC Cody Public Prints Tabul Public Prints Tribal</th><th>Madavatin Madavatin Madavatin Uppenzer - Land Court Type (MWI) Bypenzer - MRICC Coly Public Private Public Private</th><th>Mindexde Mindexde Mindexde Depenser Land Couve Type (WHR) Depenser MiNDC Cody Public Private Public Private</th><th>Land Grove Type (WW) Moderate Ministerie Exposure - Land Grove Type (WW) Exposure MiNICCody Public Polatic Public Polatic Public</th></th<>	Mindexade Expension - Mindexade Expension - Land Carver Type (MHM) CMBBL Cody MIRCC Cody Public Private Schul Public Public Public	Biolisticalis Expension - Biolisticalis Expension - Land Grown Type (WHR) - CHRIR Cody - BARCC Cody Public Prints Tabul Public Prints Tribal	Madavatin Madavatin Madavatin Uppenzer - Land Court Type (MWI) Bypenzer - MRICC Coly Public Private Public Private	Mindexde Mindexde Mindexde Depenser Land Couve Type (WHR) Depenser MiNDC Cody Public Private Public Private	Land Grove Type (WW) Moderate Ministerie Exposure - Land Grove Type (WW) Exposure MiNICCody Public Polatic Public Polatic Public
ARAND DERHY TONIA LAN 7,000 ALPHE DAMAR DAMA ANNAL GRADERAD 3,729 8,318 5,609 12,020 18	AUKAL DEBINY DEMA AUFAR DIMAR DAKA ANDRE DAMAR DAKA ANDRE DAMARAN 3,401 4,321 4,527	ALKAL DEBET CHAR ALPAC DEBET CHAR ANNUAL COMMERCIAND 1,477 4,705 72 1,405	ALAKAI DEMET DALA ALAMI DALAM KARA AMALA DALAMI AND ILAN LINI 1.477 4.505	Accus deservices Acres deservices Acres deservices Acres deservices	ALAALI DEWERT KORUN ALPRAE DAARP GREEK AANDAL GRAUDLARS 318 667 360 721	ALGELIGERET KOUR ALFRE DWARF DREIN ANNULL GRANN DREIN
APPEN         Dot         Dot         Hot         En           MARCINE         54,222         1,53,7         34           METTERIER, REFORMED         44         1,54         34           MERTERIER, REFORMED         200         1,4         1,54         34           ALLER         2,00         2,00         1,4         1,57         24           CALMER REFORMED         2,00         1,4         1,50         2,64         2,57         2,56	ADVOS 100 RAMEN 17,655 12,545 36 RETENDADOS 160 16	ARXAL DEVET FOLD         Auxil         State	ADNN BARRIN 7,420 4,481 BITTRIBUDH	ADAN MARAN JOH 100 ATTANANG	ADVIN RAMON 3,711 1,671 RITERATOR	AANN BARRAN 2,212 AU7 BTTRABUDA
BLIE DAK WODDLAND 10 54 BLIE DAK POOTNAL PME 270 18 1,648 1,817 CAMPUT REPORT CHARGE	BLAR OMA WOODMARD 90 BLAR OMA MOOTHER PHR 270 18 1,315 256 CHARTER RETRIENT CARAMENT	BLIE GARNOODLAND 90 BLIE GARNOOTHELPHE 270 18 647 ONDERS FORMAN (WHITE)	MUR DAK WOODLAND MUR DAK NOONLU PMI CHANNE MINISTRANCIANTINA	BLIEGAN WOODLAND BLIEGAN NOOTLAND CHINESE CARTONNA COMMENT	REDARK A THE UNIT OF THE UNIT	RUE DAS WOODLAND RUE DAS KODING PARE UNI 100 100 100
GORDA COM PARTICIPARIE 148 14 120 218 CEMERIA DAN WOODLAND CEMERIA KINA COMUNING 140 14 1,018 18 1,018	CLORED-COMEPANE COMMENT 18 16 16 101 COMPENSATION COMMENT	COMPLOY AND COMPLEX	CLOSED COM PRE OFFICE CONTRA CAN WOODLAND	CLOBE CONFINE CONSIST 18 17 CONTINUE DARWINGCOLAND	CLOBID COM PAR CYPRIN 18 16 16 16 16 16 16 16 16 16 16 16 16 16	CLOSED COM PAGE OFFICE 18 COMPTIL COM PAGE AND COMPTIL FORM
CRONANG 10 41,014 18 1,024 BECOLOR DECHARD RECOLOR DECHARD	CROPLING 104 24,019 14 2,018 BROOLOUG ROMAND DIVERSING THE THE THE THE THE	00074360 124 7,555 14 1,477 DECEMPIN DOMESTIC DOMESTICS 14 4,515 14	CRONARD 198 19,329 1,441 BRODARD BROMERD	Landscare by Profile Summer Terminal Constraints of the Automation	CROPLING DEDUCULGROADARD	CROPLING DECOUDING CRONING DECOUDING CRONING
BRYLING-GRAN CROPE BACTERS Ref 12,012 9,241	BYLERO DEAN COM RETRIET NET 5,224 4,377	DEVLAND CRAIM CROPK EASTREE PARE 3,040 4,211	DIFFLAND DALAN CROPS EXEMPLE PARE 3,000 124	DIFLERO DAEN CROME EXTERCEMENT 14	DEFLAND CRAIN CROPS EASTLINE PINE	DOVLAND CRUIN CADAL EASTIGG PRO
NUMPER ADVARD	FUELEWIN OROMAN FUEL INFORMATION	EVERALITY OF CARACTERISTICS OF	EVENENTIAL EVENENTIAL COCHARD PRESE REFERENCES WITH AND	FUILERING COUNTS	IVALUE (INCOMENDANC)	EVENING COMAD PRESERVICES
BREATED-ROW AND PIED CROPS BREATED-ROW AND PIED CROPS	Matrix Mathematical State         3           Mathematical State         1           Mathematical State	MIGLETID SCALE CAPP. 164 MIGLETID SCALE AND FRED CROPE	AND A DO AND AND AND CROPE	MINUTE IN COMPANY AND LEVEL OF CASES	INVESTIGATION AND PRECISION	INSULTO NAVINED INSULTO NAVINED
Alternation         III         III           2000         1000         <	2100         APPEN         2.01         3.170         1.64           SUMPER         2.02         270         67,216         61,906         6,908           SUMMER MORE COMPRE         2.04         1.04         1.04         1.020	James         Server           access         2.44         2.03         4.04           access         2.44         2.03         4.04           access         2.44         2.44         4.04           access         4.04         4.04         4.04	INSCITO DO MARCHIO CODE           Jaar         America         1,114           Jaar         America         1.6           Kamarica         1.6         1.0           Locardinati         1.0         1.0	2140 APTRO PAR ANNUAL KANNATA MANDO CONVER 300 108 LOUIS 1,018	Same         Second Link         Second Link	2100 AMERICAN 14 AMERICAN MATCOMPER 14 3,475 4,717
LACUTING ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	LOCATING 1,031 LOCATING 1,031 LOWING 1,031 LOWING 122	LACUERNAL 1,169 106 LODGIPCLE PAR 3,815 8,91 LOW MAR 1,27	LEGARMAN 617 613 LEGARMAN 2,733 LEWING	Anton         Month         No         <	LACARTINE 54 K14 LODBINGLEPINE 2,014 LOKI LOW TADE	LACENTING 36 72 LODGIFOLE PAR LOW LACE
MARD CHAPARAL 5,176 9,411 MONTANE CHAPARAL 20,075 18 MONTANE HARDWOOD 10,437 13,46 14	MORD DRAMANIA 4,110 1,111 MORTANI DRAMANIA 21,000 1,001 18 MORTANI MARANDOOD 11,101 14	MARE CAMPANNI 1,000 1,010 MONTANE CAMPANNI 11,417 1,000 18 MONTANE MARGADOO 1,011 1,417 1,417 14	MORD OLEMANAL 1,010 108 MORTENE OLEMANAL 2,612 1,765 MORTENE HINDROOD 1,377 1,387	MONTANE CHAPANNAL 514 248 MONTANE CHAPANNAL 516 248 MONTANE HARDWOOD 18	MORD DAPARAM 775 54 MORTANE DAPARAM 2018 504 MORTANE MADWOOD 3,051 1,03	MORTANE STATE MORTANE SAMANAL 1,617 1,327 MORTANE MADWOOD 5,417 3,756
MONTRAN PARDWICED COMPARE ADA 2014 (A,CA) 14,775 14 MONTRAN REPARTAN 2214 140 NATURE 10 1,216 14 150	MONTANI MADVICOLCONFIN 73 18 16,00 12,018 18 MONTANI MADVICOLCONFIN 73 18 16,00 12,018 18 MONTANI 2014 10 10	MONTANYARANA 200 COMPEN 1,000 3,000 18 MONTANYARANA PADJAR 200 200 100	MORTANI MANDRICCO-CENTRE 73 18 6,468 6,348 MORTANI REVENUE RATURE 18 18	MONTANI HARDWOOD COMPEN 144 MONTANI REPLININ 15 PARTANI 15	NONTINE REALIZED CONTR. 1,018 1,221 NONTINE REALIZED 2018 PARTIES	MONTANE MARANGOD CONFER 1,517 4,833 MONTANE MPARINE PATTANE
Machine and and an adversion of the sector of the	NORMALISM INSPIRATION (7.2 kit         Initial (1.00 kr.), (2.00 kr.)           ADDYLASK INSPIRATION (7.00 kr.)         144         2.00 kr.)           PARTARIE         2.04 kr.)         1.04 kr.)         1.04 kr.)           PREMIANIA GRAZIAND         1.04 kr.)         1.04 kr.)         1.04 kr.)           PREMIANIA GRAZIAND         1.04 kr.)         1.04 kr.)         1.04 kr.)           PREMIANIA GRAZIAND         1.04 kr.)         1.04 kr.)         1.04 kr.)           REDVA         4.973 kr.)         0.04 kr.)         0.04 kr.)	MONTENEERPARKIN PARTINE 201 101 PRENNING ANALEMIN D. 1,045 102 144 522 PRENNING APPE 3,045 10,048 90 3,737 36 MD PM 4,049 14 9,05 142	Link cold         2,03         The cold           Link cold         5,00         3,0           March Strain Mark         5,00         3,00           March Strain Mark         1,00         3,00           March Strain Mark         1,00         3,00           March Strain Mark         1,00         1,00           Mark Mark         1,00         1,00           Mark Mark         1,00         1,00           Mark Mark         1,00         1,00	PERMANAN CRAFFILAND 5.4 630 PORDERDEA PRIC RED-RE 302 5,981 378	PERSONAL CRUEILAND 208 208 PONDEROGRAPHE 18 18 NEEPIN 18 36 7(13) 4,773	PORTENDAL GRADULAND 36 144 PORTENDA PORT 214 143 R02PR 2,46 422
ACI         Column Field         Dir To         Dir To <thdir< th=""> <thdir< th="">         Dir To</thdir<></thdir<>	ACC AVENUE 18 180 70 AVENUE 18 180 70 AUGUMENT 18,004 42,004 1,007 AUGUMENT 11,007 43,073 14 1,778 20,007	NCL         Value         Units         Contract           NOVEMAT         28         16         16         16           NOVEMAT         28         16         16         16           NOVEMAT         28         16         16         16           NOVEMANUM         28         16         16         16           NAMEWING CONFER         46,480         16,794         36         1,175         1,187           NAMEWING CONFER         14         16         16         8.0         16         8.0	NGI         Loss         Cont         Cont           NORMER         312         6.4         5.6           LEMERATOR         2.5         6.43         5.1.6           LEMERATOR         2.5         5.6.8         8.6.8           LEMERATOR         2.5         5.6.8         8.6.8           LEMERATOR         2.6.6         7.2         2.900	NCC NAVENAL LADDRAFY	NCX NARINAL LADORALIY	RCE ROUTING GARDENIK
REARING MARKED-COMPAR 102 703 74,413 54 53,485 24,485 REARING COMPAR 3,154 143 URBAN 18 1.085 10 4.033	BERMAN MINICICCONFER \$1,005 65,073 54 5,728 29,605 BARALPINE CONFER 576 URBAN 18 1.005 90 4.205	MARMAN MARKO COMPEN MARMAN MARKO COMPEN MARKAN MARKO COMPEN MARKAN 18 108 18 101	BARKAN MARD COMPEN 42345 6,629 16 4,540 8,683 BUMALPAR COMPEN URBAN 486 72 2,000	SERVICE MARKE COMPER SUBJECT OWNERS 215	SERVICE MARTE COMPERT 1,011 BURLIPER COMPERT 254 URIAN	SERVAN MAD CONFER 18 18 SUBURN CONFER 144 URAN 000
VALUE FOOTNEL REPARTN 10 VALUE OR WOODLAND	BEDRA         A.773         NO         TLAME         0.511           MOREN         13         130         32           MORENAN         HUDON         HUDON         HUDON         4.001           MORENAN         HUDON         HUDON         HUDON         4.001           MARIAN AND CONVER         HUDON         HUDON         HUDON         4.001           MARIAN PORCONVER         HUDON         HUDON         HUDON         4.001           MARIAN PORCONVER         HUDON         HUDON         HUDON         HUDON           MARIAN PORCONVER         HUDON         HUDON         HUDON         HUDON           MARIAN PORCONVER         HUDON         HUDON         HUDON         HUDON           MARIAN PORCONVER         HUDON         HUDON         HUDON         HUDON         HUDON           MARIAN PORCONVER         HUDON	VALLEY FOOTNEL BRANKAN VALLEY FOOTNEL BRANKAN	VALUE FOOTNEL REPAILS	VALLEY FOOTNEL INFANTS VALLEY CAR WOODCLIND	Valuev Kodhval Almanan Valuev das excedicade Valuev das	VALUE FOOTNAL REVAILAN 18 VALUE FOOTNAL REVAILAND 18
WITHERDOW 1,713 2,666 7,603 18,608 WHERE 134 705 20,756 166	WETINEADOW 9%1 1,075 3,405 11,017 WHEEPE 90,005 17,028 146 Today 300 107 108 147	NET MEADOW 721 791 1,477 8,143 NOVELPUK 24,446 1,046 54	WET MANAGON 270 ARX 1,009 3,047 WHET PR 54,242 7,742	WETNERDOW 811 12 WHETPE 452 15	WIT MERCOW 18 WHITE MA 2,008 4,000 00	WT MIADOW 108 18 WHET AS 108 108 108
Leef Crare Two 1995	$\begin{array}{                                    $	Note         Note <th< th=""><th>WHET FIG 10, 10 TO 10 ELLES (17,05 ELLES (17</th><th>WTFMARDOW 60 15 KL 17 WHITMARDOW 70 16 KL 17 Testel 1,255 236 L8,156 7,206 Madeuter Symposy Madeuter September 1 Land Como Type (Sett) September 10 Kl 1802 Cohy Robin Protein Pathia National Sectors</th><th>Martin MA         1,24         1,40         60           Land         J,20         1,40         1,50           Martin MA         Martin Martin Martine         Martines         Martines           Martin Martin         Martines         Martines         Martines           Martines         J,37         J,37         J,37</th><th>Tenar 198 180 20,443 24,319 Maderate Ministerie Maderate Systems - Land Gener Tene (WWE) Systems - Militia Color</th></th<>	WHET FIG 10, 10 TO 10 ELLES (17,05 ELLES (17	WTFMARDOW 60 15 KL 17 WHITMARDOW 70 16 KL 17 Testel 1,255 236 L8,156 7,206 Madeuter Symposy Madeuter September 1 Land Como Type (Sett) September 10 Kl 1802 Cohy Robin Protein Pathia National Sectors	Martin MA         1,24         1,40         60           Land         J,20         1,40         1,50           Martin MA         Martin Martin Martine         Martines         Martines           Martin Martin         Martines         Martines         Martines           Martines         J,37         J,37         J,37	Tenar 198 180 20,443 24,319 Maderate Ministerie Maderate Systems - Land Gener Tene (WWE) Systems - Militia Color
Path Node Told Path Node Told Path Stud	Public Printer Schol Public Printer Schol Access Object Technik Access Object Technik	Public Prove Stand Public Private Stand	Public Visual Public Visual Public Visual Public Visual Auxous present Visual Auxous parameter and an	Autor Control	Public Police Public Police	Adda Polar Polar Polar
Auto Diserti Cola	Active         Control         Filler         Filler         Filler         Filler         Filler           Active         Control         Control <th>ADVIDUARD DATA ADVID CALEBRAD 1401 1/01 488 1/188 ADVID 1407 18</th> <th>AuxNAL DEFIT FORM           AuxNAL DEFIT FORM</th> <th>AND GREETENSE AND GREETENSE AN</th> <th>ANNUAL CRADUCERO IN 90 54 433 ANNU</th> <th>APPENDING STATE</th>	ADVIDUARD DATA ADVID CALEBRAD 1401 1/01 488 1/188 ADVID 1407 18	AuxNAL DEFIT FORM	AND GREETENSE AND GREETENSE AN	ANNUAL CRADUCERO IN 90 54 433 ANNU	APPENDING STATE
BURGER 124 124 124 124 BURGER 224 124 124 124 BURGER WOODLAND 216 1,962	ACCESS 10,00 IN 10,00	RETERENTIAL TO A COMPANY OF A C	APTENDEUR BATTEREUR BLIE GAK WOODLAND 18 10	ALLE DAY WOODLAND	ALTO LOT	REGISTER CONTRACTOR CONTRACT
BLIE DALFOOTHEL PHE 8.07 JUL 4,110 LJUD GALMERI MUDERICKAPARALIAL 414 607 G.DERD COM PINE COPINEL 1,331 14 4,430 937	Diske Roberts Comment Close Comments Close Comment Close C	BLAE DAR ADDINGE HARE 200 DHE 1,116 164 ORIMINE RECEIVERS 1,207 3,126 18	ELE DE POPEL NEI 1811 CAMER ADDREC CAMPAGE CLORE COM PRE COMER	DELEMENTATION PART 134 14 DELEMENTATION DELEMENTATION CLOUD COMPANY COMMENT 14 10 14	RUE DALFOOTNEL PARE 301 126 CRAMME REGISTRATE COMPAREN CLOBED COMP PARE COMPAREN 162 5.6 316 360	RUE DEL PODTELI PAR COLEME ADDRAME COMMENT CLOSED COM PAR COMMENT CLOSED COM PAR COMMENT 108 343 343 343 345
CKOR440 216 1,167	CROPLAND 216 1,153	Codes Corte Personnes 1,327 3,238 13 Codes Corte Rescuese 1,327 3,238 13 Contraction 1,327 3,238 1,338 Contraction 2,328 1,338 12 Contraction 2,328 13 1,338 12 Contraction 2,328 13 1,338 12 Contraction 2,338 13 12 Contract	CONTIN IONN MCCOLAND CONTIN IONN CROMAND	COMPAGE OR WOODCARD COMPAGE OR COMPAGE CROWLING	CENTRA CAR MODELAND CENTRA COME CROMAND	COMPTIL COMP WOODLAND COMPLIAND CROPLIAND
DOUBLASAM NO.110 28,300	BICOLOUL CHANNE BOULLAK FM 21,471 14,717 BIYLLAND STAIN CKOPS BIYLLAND STAIN CKOPS BIYLLAND STAIN CKOPS BIYLLAND STAIN CKOPS	DECEMDER ORDERARD DOUGLAS PR DEVLARD GRAIN CROPS DEVLARD GRAIN CROPS	DECOMPLICATIONS DOUBLIST IN DISTANCE DESIGN CROPE DISTANCE DESIGN CROPE	DICENSIVE DEVIAND DOLLASTRI 1,743 1,340 DRIVING DRIVING 1,440 DRIVING PART 1,4 RUCENSTRI 1,4 RUCENST	DECREMENTS DOUGLER AN DECLEMENTS	DECEMBER ORCHARD DOUCLAR PR 5,314 6,369 DOULARD CRUN CROPS
MATLANDING UNDER ALSON 705 99,221 31,020 RECEIPTER EVENDERING GROUPS	EXTERIOR VIEW 2,014 212 66,010 22,020 EXCHAPTIN FURNISH ORDERAD	RATING PAR 214 IR 10,041 14,713 RECEIPTING PURCHING ODDARD	REPORT OWN LEAVE 3,000 204 14,411 7,046 RECENTED FOR 2,000 204 14,411 7,046 RECENTED FOR COMPANY	RECEIPTER 18 RECEIPTER RECEIPTER	RATING PAR RAGINFOR IVERSING ADARD	EATING PAR RUCKINTON EVERIDATION COCHARD
MERE HUMBELDE WETLAND MELETIC GRAM CROPH MELETIC-MANYRED IN 15,744 2,378 15,040 34	NEEK KARKART WITLAND MINGTO CANN COM MINGTO ADVIDE 18 4,076 2,378 11,589 36	PREMINENTERT WITLAND MEDITID DRAW CROPH MEDITID ALWARED 18 4,17% 2,178 11,007 16	PRES ADREADT WITLAND BREATD GAAN CROPE BREATD GAAN CROPE BREATD GAAN CROPE	PRODUBLICATION COLORI BRIGATIO ANNO COLORI BRIGATIO ANNOLO	PRESE CARACINE WELLAND INVELTED GRAIN CROPH INVELTED NEW PRES	PROVE DEBUGINT WITLAND INFOLITIO GRAIN CADAG INFOLITIO GRAIN CADAG
Mark         B         A         B         A         B         A         B         A         B         A         B         A         B         A         B         A         B         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C <thc< th="">         C         C         C</thc<>	matrix         a         b <th>Automatical state s</th> <th>INNEXTO NOW AND FILLO CROPI APPEND PARE AND AND ALL CROPI AND ALL CROPINS</th> <th>Keisten Solar, RAF Keisten Seta (Salar), Salar Keisten Seta (Salar), Salar Keis</th> <th>IRREATE HOW AND FELC-COPE ATTREY PAUL 2019 AMPEN</th> <th>RAGLITO ROW AND FREE CADYS APPERTURE 15 2010 JANEER 15</th>	Automatical state s	INNEXTO NOW AND FILLO CROPI APPEND PARE AND AND ALL CROPI AND ALL CROPINS	Keisten Solar, RAF Keisten Seta (Salar), Salar Keisten Seta (Salar), Salar Keis	IRREATE HOW AND FELC-COPE ATTREY PAUL 2019 AMPEN	RAGLITO ROW AND FREE CADYS APPERTURE 15 2010 JANEER 15
Has         Alor	RLAMER WORD CONFIRM         IN         A JUL         1 JOH           LACCEMENT         III, III         1,000         III, III         1,000           LODGEPOLY PMF         6,812         2,01         A,313         2,000           LODGEPOLY PMF         1,000         1,000         4,023         2,000           MOND CONFIRMANT         1,000         10,000         7,124         L4	R_AMATPH KNOR COMPRIE         1,111         448           LACUMENNI         3,405         342           LODGIPOLI PME         4,791         124         2,054           LODGIPOLI PME         0,294         144           LOW KAR         3,08         54         1,114           MIKED COMPARAL         1,08         54         1,214         440	Laborette kalls Colevita         4.04         3.04         1.04           Laborette kalls         4.04         3.04         1.04           Varie Mail         1.04         1.04         1.04           Marcine Mail Marcine Mail         1.04         1.04         1.04           Marcine Mail Marcine Colorent         1.01         1.04         1.04           Marcine Mail Marcine Colorent         1.04         1.04         1.04           Marcine Marcine Colorent         1.04         1.04         1.04         1.04           Marcine Marcine Colorent         1.04         1.04         1.04         1.04           Marcine Marcine Colorent         1.04         1.04         1.04         1.04         1.04	KLAMATH MINES CONVER 18 73 LACUTINAL 813 18 LOCATINAL 91 73	2003         Junite           Austine Sociality         1.01         50           Local Control         1.01         50           Local Control         4.01         50           Local Control         4.01         50           Local Control         4.01         50           Local Control         4.01         10           Montana Manageria         10         10           Montana Manageria         1.01         10           Montana         1.01         10     <	RLAAATM MAKED CDAIPER 2,010 2,010 2,010 2,010 2,010 10.0 10.0 10.0 10.0 10.0 10.0 10.0
2014 8448 649 542 6,988 1,027 MR02 CHAPANNAL 1,015 90 21,024 21,123 54 MCMT204 CHAPANNAL 1,015 14	LOW KAGE 108 54 5,422 406 MORE CHAPMENE 1,855 50 11,951 7,214 54 MORE AN OWNER 1,855 50 11,951 7,214 54	LOW MAR 108 54 5,314 450 MINIO CAMPANAL 1,315 50 4,2127 3,527 36 MINITAR CAMPANAL 236 18	10W1888 108 16 MRD OKAMBAL 1,181 1,837 18 MRTAR OKAMBARA 2,439	LOW LADE MORE CARPANNEL 213 105 MORE CARPANNEL 18	LOW BADE MINITO CALIFORNIAL 6619 120 MICH CHARAGEAL 242 18	LOW LIKE 2,010 129 MINET OKANAMAL 2,010 129 MINETARE CANAMAL 201 422
ADMITLINE HARDINGOD 2,248 554 24,895 24,995 54 MONTUNE HARDINGOD COMPER 54 24 24,699 20,756 MONTUNE HARDINGOD COMPER 54 25 22,699 20,756 MONTUNE HARDINGOD COMPER 54 25 25 25 25 25 25 25 25 25 25 25 25 25	MONTAN HADWOOD 18,851 18,854 54 MONTAN HADWOOD CONVEN MONTAN HADWOOD CONVEN MONTAN HADWOOD CONVEN	MONTLANTHARDWOOD 4,411 3,774 MONTLANTHARDWOOD COMPEN 8,012 3,684 MONTLANTRADARDWO	Addinitatel HakitawOod 7,112 10,718 14 Addinitatel HakitawOod Collettel Addinitatel HakitawOod Collettel Addinitatel Revision 00 14	MORTAN HARDWOOD 288 00 MORTAN HARDWOOD COMPER 091 108 MORTAN HARDWOOD COMPER	NONTINE MADAGOO 2,448 1,409 NONTINE MADAGOO COURSE 1,627 937 NONTINE BRANK	MONTARE MARQUOOD 4,107 3,113 MONTARE MARQUOOD COMPRE 3,149 4,211 MONTARE MARQUO
PARTNER 198 1,473 2,198 PRESNUE CRARLAND 36 142 1,009 1,147 POLEMENT PART 256 132 14,187	NATURE 1,313 2,347 PRENAME ORIELAND 410 154 PORDERCEA PARE 0,095 1,099	NCRYTAN RPANIN PARTNE 1,333 1,338 PRINCIPAL CANADAN PRINCIPAL CANADAN PARTNER 1,338 PARTNER 1,338 PARTNER 1,338	PADUME 18 PORTANE 16 PORTANE 147 131	PARTNER PERMANA CREEKLAND 18 144 PONDERGEA PRE 54 14	PARTNEL PERMANAL ORBITAND 54 378 POROEROSA PART 6,377 1,495	PARTURE 35 PREVINEL GRADELEND 35 PORCEDOLA PRET 811 430
N2-N8. 576 566 7,007 647 NCI NUTURE 56 136 343 136	MDAM 208 108 3,154 126 MCI MVEMME 54 126 270 126	ND-FR 1.0 NCI NCINE 1.0	Instantion Free         Lot         Lot         Lot           MARMA         10         Lot         Alot         B           MARMA         10         Lot         Alot         B           MARMA         10         Lot         Alot         B           MARMA         14         Lot         Alot         B         D           MARMA         14         Lot         Alot         B         D         D           MARMA         MARMA         Alot         D         D         D         D         D           MARMA         Charter         MAR         D	ND N 34 NC NC 14	ALE PAR 31 RACE RALERAR	ND FM 90 NG ROTEN
Addimator 164 396 122 502 1,003 BERNAN MANDOCAMPER 9,005 18,002 26,79 12,002 RAMANNALCOMPER 2,208 20,055 798	MOVINE         2-30         amil         4, 313         Los           MVMAN         64         324         270         1,81           MORENA         108,00         72,00         1,817           MARENANDE COMPER         108,00         72,00         1,817           MARENANDE COMPER         108,00         11,020         0,011           MARENANDE COMPER         106         11,640         14           MARENANDE COMPER         126         11,640         16           MARENA         12         11,640         16	NCT INVERNET IN INV INVERNET I	EACERNAM NO. 21,00 ERRAA MODE DOWNER 855 254 11,05 9,05 ERRAA MODE DOWNER 555 254 11,05 9,05	ERCENTRY CONFER EREAL MARKE CONFER EREAL PART CONFER	LADERAUM DERAUM MERGE COMPER URBARN COMPER 1,041	KAREWANN KERKAN MORE COMPEN KARANANG COMPEN
URBAN 18 10 7,404 54 WALLIP DOTHAL RPARKN VALLIP DRV WOODLAND	UNKEN 18 18 18 VALLEY FOOMLA REPARTAN VALLEY FOOMLARPARTAN	URBAN 18 140 VALLEY FOOTNAL REVAILAN VALLEY OAK WOODLAND	URANN 14 VALLEY FOOTHEL REPAILING VALLEY GAXWOODLAND	URLER VALLEY CONVLUENCE VALLEY CONVOIDS.AND	URLAN VALUTY DOTHAL ARVANAN VALUTY DAA WOODAAN	UNLAW FOOTNEL BANKAN VILLEY FOOTNEL BANKAN
VINETNARO WET MILOOW 120 717 1,008 11,709 WHETE 18 14,647 3,279 18	VNIRADO WTINKADOW 124 540 1,438 8,326 WHTIN 20,032 2720 18	VINENARD WET MEADOW 126 540 288 2,522 WHITE 6.027 1.075	WHENHO WITHEODW 711 4,443 WHENH 1045 1045 18	VNIPARD WTRADOW 123 10 WHEFR	Vervalo un estow 14 uner es	VARVARD WITARADOW LOS ILS WHITARA
Tende 71,209 62,482 0 688 888 586 589 2,040 Mindende Departure - Mindende Departure -	Tende 18,768 18,071 0 168,112 296,679 2,000 Mediende Departer - Mediende Departer -	Tenni 26,172 24,687 0 140,245 188,424 1,627 Minimum Expenses - Minimum Expenses -	WET MEMORY         201         1,01         1,01           WHET ME         1,01         1,01         1,01         2,01           Memory         1,0,01         1,01,01         1,01         2,01           Memory         1,0,01         1,01,01         0,11,02,01         0,103,02         2,01           Land Grown-Tiger (\$VHE)         Medicatic Toperum         Medicatic Toperum         Medicatic Toperum         Medicatic Toperum           Land Grown-Tiger (\$VHE)         Medicatic Toperum         Medicatic Toperum         Medicatic Toperum	Tende 200 074 13,000 Automate Mademate Supervise -	Tantal 180 144 1605 20,140 Madanata Madanata Dapanara -	Turket 166 064 20,008 20,008 Mindersete Mindersete Mindersete Beginnere -
Marken State         Solution	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Land Cover Type (1994) Alloc Coly Alloc Coly Parts Private Total Allocationstationa Allocationstationa Allocationstationa Allocationstation	Les Cent Type (FUR) Barrary Mathematic Marcare Marcare Anna Centre Type (FUR) ANNA CENTRE Anna Palls ANNA CENTRE ANNA CENTRE ANNA CENTRE A	Materia         Materia <t< th=""><th>Land Gener Type (AVM) Expansive MRDC Cody Public Private Public Private ALORIZ OFLIFT ICDUR</th></t<>	Land Gener Type (AVM) Expansive MRDC Cody Public Private Public Private ALORIZ OFLIFT ICDUR
ADPORT DALAM SHILM 178 ANNUAL CANERAND 955 6,217 5,23 64,747 54 ADPON 18 306 148	AUMAI DALAM SANJA ANNUAL DALAMAD 757 4,854 3,225 34,381 34 ANNU 18 314 90	ALFARE DARLAR SORIA ANNUAL CRAESILAND 68.7 4,143 1,129 10,013 18 ANNUAL CRAESILAND 18 72 54	Park         Park         Stad         Park         Park <th< th=""><th>ALVAR DELAY SAKE ANNUA GRAELAND 16 160 18 16 AUNO</th><th>ALPRE DAAP SHEEK 142 ANNUAL CRADULARD 14 270 18 ADVIN</th><th>ALPRE DWARF OFFICE 14 ANNUAL CRASHLAND 16 16 18 162 ALPRN</th></th<>	ALVAR DELAY SAKE ANNUA GRAELAND 16 160 18 16 AUNO	ALPRE DAAP SHEEK 142 ANNUAL CRADULARD 14 270 18 ADVIN	ALPRE DWARF OFFICE 14 ANNUAL CRASHLAND 16 16 18 162 ALPRN
LAME     LO, ALC     ZO, ALC     ZO, ALC     ZO, ALC     LO	84489 7,406 6,800 877888489 648 198 81.0 0.44 WOODLAND 719 4,3107	84488 216 1,811 877388409 649 198 846 644 WOODLAND 18 18	BARRIN 3,108 1,710 BITTERBURK BLACOK WOODLAND 721 4,349	AAAPAN AKK 126 ATTORNADH KUR DAA WOODLAND	AMARK 2,202 UN APTRAMUM NUM COX WOODLAND	AMREN 1,00 467 BTERBURK RUE GAR WOODLAND
BUR DALFOODNEL PINE 430 730 5,440 13,352 18 DALABER REDUKTIK DALFAREL 435 751 GOUDD CONTRACT/PINE 2,303 18 13713 162	BLAR DARF MODINAL PARE 288 X24 4,027 3,038 18 DIAMANE DARF DARF MANAL CLOUDE CONTINUE 2018 18 1.421 144	ILLE GALFOOTHALL PAR 270 134 360 36 DIAMAE INDONANC CHAPABAL GOUDE CONFINCTIONERS 1,21/7 270	ILLE GAR POOPMEL PRE 1,829 2,618 18 CHARGE REDUKTIK CHAPTERS CLOBE CORP PRE OPHIES	BLUE GAAR ADDINALE PARE 18 DISIANE REDOKARE ORFANNAL CORE: DOR: PARE CORFANNAL 10.00E: DOR: PARE CORFANNAL	RUE DAS PODTHAL PARE 485 144 CHAMBE REDUKING OKENIKANG CARDIN DAS PARE CHARGE 72 015 72	RUE CAR FOOTHEL PAR 1,311 433 Delante Indenance Orientation Cubine Conference Orientation 116 18 286 14
CENTRA CARNOCELARD IN CENTRA INNA CONTARD IN 14422	CONTRA CAN WOODLAND IN CONTRA IONA CONTRA IONA DOMAND IN A.75	COATTAL GAR WOODLAND COATTAL KINAR GODUARD 793	CONTRA GAR WOODLAND IN CONTRA SERIE CONTRA SERIE	CONTRA CARVINGOOLAND CONTRA CRAN CONTRA CRAN	COARTIN GAN WOODLAND COARTIN SOMM CREPTING	COASTILL CAR WOODLAND COASTILL COM WOODLAND COASTILL COM
BICOLOUR DECKING BOOLELAAMIN L, JIN 2,023 9,387 4,788 BIYLARD DAMA CROPI	DIGDUDUR OKONIND DOUBLING MIN 1,127 2,288 8,210 1,000 DIFLING DRAIN OKONI BATTING PRAN 3,108 1,207 61,712 21,707 90	DECEMBER ORDERAND DOUGLAR FM 18 142 3,026 504 DEVIAND CRUM CRUM	DECEMBER OWNER DOWNLAR ME 410 L745 L475 L333 DPLANE COMMING	DECEMBER DECEMBE DOUBLARYS DEFILING DAMA CROPS DEFILING DAMA CROPS	DECOUDUE ORCHARD DOUGLAS PR 504 205 DECUUER AND CRAIN CROPE	DECOUDUS CECHARD DOUGLAS MR 144 3,330 1,335 DEVLAD CENT CROPS
BACTRON PINE 3,011 1,333 00,123 20,332 90 BACADYTA DISTRIBUTO ADVAND	ECLAPIA		EXCELOPER 1,127 017 15,888 8,621 EXCELOPER DIMENSION OF COMPANY	EXCEPTION PROFESSION	BARTINE PINE 72 72 73 842447958	EACTURE PARE 18 EXCLUSIVES DURING PARENTS
MEDINA METANO MINISTRO GRAN CROME MERATRO ANY PERO 2,000 2,300 23,001	FREW ENRECHT WITLAND BRIGETED SAM CROPK BRIGETED SAMVED 2.340 21.475	PREVENENT WITLAND INFORTO DAM CROM INFORTO DAM CROM	PRES DEFECT WELLING INSCATO DRAM CROPE INSCATO RAVERO 1001	MILITAR TRADUCTOR TANDA MILITAR ALTRADIAN MILITARIA ALTRADA	PREVENTIONERS WELLAND INVELTED GALAR CROPK INVELTED HERVERID	PROVE DATA TWITLAND INNELTO DATA CADY INNELTO DATA PLD
INVESTIGATIO-ROW AND PRED CROPE 2010 2010 101 101 101 101 2010 2010 101 101 101	REGATE NOW AND FRED CROPS 2010 2010 2010 2010 2010 2010 2010 2010	HIGGETED NOW AND FILLD CHOPS 2000 ANNOP MAL 2000 ANNOP ANN ANNO ANNO ANNO ANNO ANNO ANNO	HINGS TO NOW AND FILD CROPE 2019 2019 00 100 100 100 100 100 100 100 100 1	REGATED NOW AND FELD CROPH APTREX PORT 2010 ADVEN	INSLATE ROW AND PELC-CROPE AMOUNT PAGE 2000 AMOUNT	HAGATO KOW AND FILL CROPS ARTICLY PART 2000 ARTICLE AR
KLAMATH MARD COMPUT 20,000 4,341 522 600 LACATINAL 198 34 5,347 4,950 SOCIEVENT PAR 54 72 2,358 2,450	KLAMATH MORED COMPER 6,757 2,254 122 ARE LACONTINUE 72 56 8,558 4,720 LODGENCE PARE 28 56 1,877 1,872	KLANDTMINE COMPER 216 54 LACOTINE 56 18 1,011 180 LODDIFCE PRE 18 18 1.405 56	KLAMATH MEND COMPUS LACARIMME IN IN ALOS 4,009 4,125 LOCARIMME IN IN IN 126 803	KLAMATH-MINER COMPER 5,170 1,873 16 18 LACOTRANE 1,549 28 LOCATIONS PART 73	READANCE CONFER 18 108 LACARDANE 540 570 LODGINGLEPHE 36 504	RLAAALTW MAKEDCOMPER 1,557 160 212 288 LACUTING 640 28 LODGFOLEPHE
10W 8408 108 1710 4,081 MR00 CMARMAL 3,00 2,000 20,900 20,911 18 MR00 CMARMAN 51 2414 1,189	LDW SAGE 14 1,001 4,007 MIXED ONE-MERIE 2,706 1,201 27,400 18 MORTAR CHARAMAN 26 1 1,276 18	LDW MACE 16 1,027 10,028 4,179 MACE-CAMPANAL 2,651 1,207 10,048 6,079 18 MACELANDAMAL 210	104 KADI 11 MODO OMANAMA 1,001 3310 MODTARI OMANAMA 1,001 108	LOW MADE MADE COMPARIANE 72 54 18 MONTANE COMPARIAL 18	LOW EADS MILED CALIFORNIA 123 73 MODELLAR COMMANA 256 18	LOW MADE MINET CHARAMANA A, LT 10 MONTANE CHARAMANA 18 121 220
MONTINE REPORTED 4,415 1,423 4,007 4,023 34 MONTINE REPORTED 4,425 1,680 1,081 1,381 MONTINE REPORTED	Jaie         Avery man         5.00         1.00	Bit         Bit <th>KAMATI MAD CONTRA         In         Kamati Mad Contract           LADCENSE         10         4.00         11           CORDECTIONE         10         4.01         11           Contract Market         10         10         10           Contract Market         1.03         10         10           Montair Contraction         1.03         10</th> <th>MORTANE HARDWOOD 306 270 MORTANE HARDWOOD COMPEN 54 164 168 72 MORTANE REMAIN</th> <th>MONTANI NAROWOOD 703 214 340 54 MONTANI NAROWOOD 703 216 388 378 142 MONTANI REMAIN</th> <th>MONTANE MARQWOOD 414 158 2,324 400 MONTANE MARQWOOD COMPEN 126 486 324 214 MONTANE MARQWOOD COMPEN</th>	KAMATI MAD CONTRA         In         Kamati Mad Contract           LADCENSE         10         4.00         11           CORDECTIONE         10         4.01         11           Contract Market         10         10         10           Contract Market         1.03         10         10           Montair Contraction         1.03         10	MORTANE HARDWOOD 306 270 MORTANE HARDWOOD COMPEN 54 164 168 72 MORTANE REMAIN	MONTANI NAROWOOD 703 214 340 54 MONTANI NAROWOOD 703 216 388 378 142 MONTANI REMAIN	MONTANE MARQWOOD 414 158 2,324 400 MONTANE MARQWOOD COMPEN 126 486 324 214 MONTANE MARQWOOD COMPEN
PACTARE 36 4,327 729 PREMANK CRASS-AND 1,528 4,053 POSEDDAL PRE 162 201 32,044 19 Not 14	Image: second	PARTNER 14 1,927 214 PRESNUE GRAFILING 214 340 PROMONDA PRE 14 1140* 4144*	PARTANI PREMINIKA ANALAND PODDIDALA PAR 36 23144 1.444	PARTARE PERMANAN GRAFFILAND 180 739 PODDERDG PRE 72 14 84 141	Autor	PATURE PREVAL GARDLAND 34 PORTAL AND 517 75
Date         Date         Construint	NECH	NO FR	ND/N 20 20 20 20 20 20 20 20 20 20 20 20 20	NUC NA NUCLEAR AND	NOVA 314 314	8078 231 144 802 80488
ALCENSION 88,372 19,217 INTRANA INVECTORIES 3,954 018 20,130 7,566 INVELTORIES 7,977 144	Base of the second se	KANENE 14 140     KALENDER 20,017 1,016     KERNAN MARID CONFEN 120     KALENDER 120     KALENDER 200	KACHINGKU 10,208 11,204 KANANA MARDO CDAPEN BAT 14 K,717 4,844 KARANA COMPUS 72	LAGREGARY BERNAL PARTY COMPTR BURNAL PARTY COMPTR 1,100	EADERAUGH BURKAR MURE-CONVER 522 717 BURKAR MURE-CONVER 501	KADERAKAN KERAAN ANDO COMPER KARAN AND COMPER
And         And <th>LINEAR-PAR COMPANY COMPANY LOSS UNKNY VALIET PROFESSION VALIET PROFESSION VALIET PROFESSION VALIET PROFESSION WATERIADOW WATERIADOW 15/27 6,035</th> <th>Image: second second</th> <th>Note         Note         <th< th=""><th>Image: section of the sectio</th><th>Note         Note         <th< th=""><th>Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem</th></th<></th></th<></th>	LINEAR-PAR COMPANY COMPANY LOSS UNKNY VALIET PROFESSION VALIET PROFESSION VALIET PROFESSION VALIET PROFESSION WATERIADOW WATERIADOW 15/27 6,035	Image: second	Note         Note <th< th=""><th>Image: section of the sectio</th><th>Note         Note         <th< th=""><th>Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem</th></th<></th></th<>	Image: section of the sectio	Note         Note <th< th=""><th>Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem</th></th<>	Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem         Image: problem         Image: problem           Image: problem         Image: problem         Image: problem
Mathematical and a state of the st	VINIPARD WITHRADOW 1,207 6,538 WHIT FR 36 4.54 270	VARVENAD WET AREADOW 273 1,7157 WHET PR. 16	VINETAMO WITT MEMODAW 630 3,009 WHITE PR 500 144	VINETABLADOW 188 90 WETABLADOW 188 90 WHETAPE 18 54 508	VARYARD WITHERDOW IX WITHERDOW IX	VMITNED WYTMEADDW 1058 775 WWYTMEA
Tende 10,545 33,006 0 525 425 505 139 305	Tenar 27,201 28,300 0 281,812 186,813 270	heat 11,071 11,000 0 114,021 70,000 198	Twee 6,718 4,328 0 76,380 78,381 73	Teles 6,285 2,072 4,072 2,040	Tele 1,077 811 16,013 12,00	5we 3380 Latt 14,40° L03

#### This is supplementary table 5 for landcover, showing total area in each WHR type

area = acres

							Upper
WHR Description	Study Area	5-Watersheds	Pit	Feather	Upper Trinity	McCloud	Sacramento
ALKALI DESERT SCRUB	19,149						
ALPINE DWARF-SHRUB	703	396				252	144
ANNUAL GRASSLAND	194,623	110,101	30,282	67,661	4,684	4,431	3,044
ASPEN	6,827	4,774	4,017	721		36	
BARREN	179,095	111,164	54,078	24,895	13,150	10,124	8,917
BITTERBRUSH	95,564	31,056	30,822			234	
BLUE OAK WOODLAND	74,308	6,161	540	5,620			
BLUE OAK-FOOTHILL PINE	84,359	29,939	6,665	19,491	252	865	2,666
CHAMISE-REDSHANK CHAPARRAL	1,639						
CLOSED-CONE PINE-CYPRESS	15,888	12,141	7,350		775	2,648	1,369
COASTAL OAK WOODLAND	180	18		18			
COASTAL SCRUB	72						
CROPLAND	241,135	184,950	114,371	70,561			18
DECIDUOUS ORCHARD	180						
DOUGLAS FIR	403,603	267,364	41,072	38,172	115,596	25,994	46,530
DRYLAND GRAIN CROPS	9,331	7,620	7,242	378			
EASTSIDE PINE	899,060	656,736	452,241	196,803	360	3,567	3,765
EUCALYPTUS	36						
EVERGREEN ORCHARD	775	36	18	18			
FRESH EMERGENT WETLAND	667	216	144	72			
IRRIGATED GRAIN CROPS	919	901	901				
IRRIGATED HAYFIELD	111,471	76,559	66,832	9,674			54
IRRIGATED ROW AND FIELD CROPS	414	396	396				
JEFFREY PINE	73,857	43,954	21,923	21,275	414		342
JUNIPER	441,451	328,611	327,818	793			
KLAMATH MIXED CONIFER	474,596	363,306	27,760		140,743	78,289	116,514
	108,264	57,897	26,733	17,383	5,909	2,306	5,566
LODGEPOLE PINE	82,720	44,170	25,472	14,105	90	4,503	
LOW SAGE	404,288	289,719	289,016	703			
MIXED CHAPARRAL	152,236	96,735	72,344	13,006	1,333	1,837	8,214
	553,083	420,626	197,848	124,657	51,070	20,968	26,084
	325,873	226,994	71,479	79,442	4,035	25,886	46,152
MONTANE HARDWOOD-CONIFER	271,417	216,276	59,842	75,875	11,061	24,535	44,963
MONTANE RIPARIAN	27,633	21,635	5,530	14,051	937	1,081	36
PASTURE	16,014	7,260	7,043	90	1.004	90	36
PERENNIAL GRASSLAND	144,652	95,816	89,529	2,936	1,964	1,081	306
	477,803	345,220	212,061	54,132	2,504	70,273	6,251
RED FIR	323,171	186,355	47,701	66,724	33,614	29,219	9,097
RICE RIVERINE	360	360	360 396	811			
SAGEBRUSH	2,054	1,207			18	54	
SIERRAN MIXED CONIFER	864,077	502,608	376,186	126,350	10	54 79,478	10 500
	2,124,803	1,617,295	567,080	957,155	16 022		13,583
SUBALPINE CONIFER URBAN	60,869 36,568	30,552 12,844	8,899 2,378	1,549 6,881	16,032 198	1,351 558	2,720 2,828
					198	54	
VALLEY FOOTHILL RIPARIAN VALLEY OAK WOODLAND	2,666 1,369	811 36	234 18	252 18		54	270
VILLEY OAK WOODLAND	1,369 90	36	18	18	18		
	90 89,566		30,606	19,113	18 1,153	414	1,081
WET MEADOW WHITE FIR	545,463	52,367 398,794	30,606 89,457	217,086	35,812	414 41,288	1,081
	9,944,943						
Total:	5,944,943	6,862,012	3,374,703	2,248,469	441,721	431,417	365,702

# These are the final connectivity tables. They cross rank connectivity with climate exposure of the vegetation.

There are 6 tabs: 2 main tables and 5 appendix tabs.

Main1_Conn_ConsensusRefHighExp	Consensus Refugia & High Exposure: Summaries
Main2_Conn_ConsensusModExp	Consensus Moderate Exposure: Summaries
Apx1_Conn_ConRefHighExp_5Watshd	Consensus Refugia & High Exposure: By Watershed
Apx2_Conn_ConModExp_5Watshd	Consensus Moderate Exposure: By Watershed
Apx3_Conn_RefHighExp	Single Model Refugia & High Exposure: Summaries and by Watershed
Apx4_Conn_ModExp	Single Model Moderate Exposure: Summaries and by Watershed
Apx5_Conn_AreaByRank	Total Area by Connectivity Rank

This is the Consensus Refugia & High Exposure by Connectivity Ranking table for use in the main text. Refugia & High Exposure by watershed tables are in appendix 1, single climate model tables are in appendix 3. Extent = Entire Study Area (5-Watersheds plus 10km buffer) RCP8.5 area = acres RCP8.5 area = acres

Connectivity

	Ranking	Refugia -	Co	nsensus	High Expo	osure - Co	nsensus		gh Exposu onsensus	re -
	i daning	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	109,345	13,727		21,365	3,621		133,069	42,063	18
	4	41,864	7,368		6,251	2,234		41,666	25,310	
2100	3	503,022	106,571		47,863	25,868	54	568,035	191,218	1,243
2100	2	162,450	74,073		18,374	19,383	36	171,079	144,652	126
	1: Low	389,534	375,826	54	42,639	51,502	54	323,729	285,468	432
	0: Not Selected	31,723	63,733	54	3,008	29,579	162	30,083	246,611	414
	Total:	1,237,939	641,298	108	139,500	132,187	306	1,267,662	935,322	2,234

	Ranking	Refugia -	Co	nsensus	High Expo	osure - Cor	nsensus		gh Exposu Insensus	re -
	Nariking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	259,041	46,260		14,483	4,828		14,862	6,125	18
	4	101,779	26,913	36	5,368	3,243		5,620	4,395	
2070	3	917,740	242,612	144	49,899	17,005		256,069	89,638	1,081
20/0	2	304,400	161,657	18	26,066	19,419		43,936	73,587	126
	1: Low	759,001	681,127	432	63,860	64,382	234	75,262	109,759	360
	0: Not Selected	54,042	117,145	324	7,278	99,473	468	11,133	167,224	216
	Total:	2,396,004	1,275,714	955	166,954	208,350	703	406,882	450,728	1,801

	Ranking	Refugia -	Co	nsensus	High Exp	Very High Exposure - Consensus				
	Kaliking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	352,065	84,972	90	24,391	3,999		9,583	1,315	
2040	4	139,338	49,953	54	6,647	1,585		3,513	937	
	3	1,260,546	360,784	1,045	44,927	15,024		32,785	17,239	36
2010	2	388,183	211,016	450	16,447	11,511		15,096	18,212	
	1: Low	958,092	806,342	2,414	31,759	30,119		27,633	38,604	
	0: Not Selected	66,093	187,291	1,315	3,098	22,968	36	3,495	59,933	36
	Total:	3,164,318	1,700,358	5,368	127,269	85,206	36	92,105	136,240	72

	Connectivity Ranking	Ranking 80%				osure 99%	95	<ul> <li>Very High Exposure</li> <li>&gt; 99%</li> </ul>		
	Nariking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
2010	5: High	420,915	99,978	162	56,942	9,313		20,194	3,333	
	4	164,233	59,680	72	18,194	5,476		5,530	1,711	
	3	1,857,980	544,779	2,486	146,111	52,277	126	50,547	15,150	
2010	2	567,512	321,910	829	43,216	40,387	54	13,997	12,250	
	1: Low	1,409,000	1,158,155	5,224	60,437	84,053	54	17,780	27,129	
	0: Not Selected	108,786	416,681	3,225	5,945	79,370	72	1,801	24,859	
	Total:	4,528,427	2,601,183	11,997	330,845	270,876	306	109,849	84,432	(

	Connectivity							Very H	ligh Expos	ure -
	Ranking	Refugia -	Co	onsensus	High Expo	osure - Cor	nsensus	c	onsensus	
	Kaliking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	66,291	10,448		17,744	2,450		107,850	31,651	
	4	27,507	5,620		5,134	1,765		34,839	17,726	
2100	3	345,977	71,642		36,172	13,601	54	382,761	110,678	360
2100	2	116,424	44,026		14,988	14,105	36	129,232	71,281	126
	1: Low	249,494	267,976		26,607	38,874	54	241,712	157,712	324
	0: Not Selected	24,283	43,396	54	2,216	22,535	162	18,554	111,633	306
	Total:	829,976	443,108	54	102,860	93,330	306	914,948	500,681	1,117
	Connectivity							Very H	ligh Expos	ure -
	Ranking	Refugia -	Co	onsensus	High Expo	osure - Cor	nsensus	с	onsensus	
	Kaliking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	189,831	34,064		10,898	3,765		11,205	4,197	
	4	76,289	21,401	36	4,540	2,090		4,576	2,288	
2070	3	645,009	147,913	72	35,019	13,042		184,445	46,818	342
2070	2	237,334	120,964		23,256	14,663		33,560	36,262	126
	1: Low	509,525	527,738	270	53,970	40,351	234	58,023	58,185	252
	0: Not Selected	38,046	85,656	324	5,116	83,026	468	8,358	84,359	216
	Total:	1,696,034	937,736	703	132,799	156,938	703	300,167	232,110	937
	Connectivity							Very H	ligh Expos	ure -
	Ranking	Refugia -			High Expo				onsensus	
		Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	271,993	66,273		14,249	3,243		4,972	991	
	4	111,092	40,604	54	4,215	1,243		2,198	486	
2040	3	871,120	218,311	775	24,175	11,403		18,014	9,457	36
	2	310,363	150,417	432	12,069	7,818		8,467	11,061	
	1: Low	658,501	627,895	2,270	25,778	20,698		14,123	23,094	
	0: Not Selected	45,774	106,445	1,315	2,414	15,132	36	2,738	44,837	18
	Total:	2,268,843	1,209,945	4,846	82,900	59,536	36	50,511	89,926	54

Very High Exposure -

	Connectivity Refugia Ranking		< High Exposure 80% 99%		95- Very High Expos > 99%		sure			
	Kaliking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	302,671	76,451		32,191	6,053		11,709	2,108	
	4	129,214	48,332	72	10,700	3,747		3,243	757	
2010	3	1,281,785	338,285	1,333	97,960	30,660	126	32,407	9,295	
2010	2	442,946	215,501	811	30,372	22,265	54	10,016	6,953	
	1: Low	942,005	847,900	4,954	43,360	51,268	54	13,583	19,851	
	0: Not Selected	75,551	276,172	3,206	3,963	40,261	54	1,369	16,393	
	Total:	3,174,172	1,802,641	10,376	218,546	154,254	288	72,326	55,357	0

 This is the Moderate Exposure by Connectivity Ranking table for use in main text. Moderate exposure by watershed tables are in appendix 2, single climate model tables are in appendix 4.

 Extent = Entire Study Area (5-Watersheds plus 10km buffer)
 Extent = 5-Watersheds

 RCP8.5 area = acres
 RCP8.5 area = acres

Moderate Exposure -

RCP8.5	area = acres				RCP8.5	area = acres
	Connectivity	Modera	ate Exposu	re -		Connectivity
	Ranking	Consensus			Ranking	
2100	Kanking	Public	Private	Tribal		Kanking
	5: High	43,071	6,287	18		5: High
	4	12,051	2,954	36		4
	3	164,233	42,009	144	2100	3
	2	38,424	27,940	18	2100	2
	1: Low	68,165	70,579	36		1: Low
	0: Not Selected	16,465	47,197			0: Not Selected
	Total:	342,410	196,965	252		Tota
		Modera	ate Exposu	re -		
	Connectivity	Consensus			Connectivity	
	Ranking	Public	Private	Tribal		Ranking
	5: High	59,122	12,610	144		5: High
	4	17,402	6,575	18		4
2070	3	253,871	57,807	1,063	2070	3
2070	2	56,762	29,939	594	2070	2
	1: Low	111,326	66,273	2,810		1: Low
	0: Not Selected	9,998	45,161	1,027		0: Not Selected
	Total:	508,481	218,365	5,656		Tota
	<b>a</b>	Modera	ate Exposu	re -		<b>.</b>
	Connectivity	Co	onsensus			Connectivity
	Ranking	Public	Private	Tribal		Ranking
	5: High	41,558	5,746			5: High
	4	15,438	2,612			4
2040	3	190,912	41,919	18	2040	3
2040	2	56,384	29,453		2040	2
	1: Low	115,289	111,344	108		1: Low
	0: Not Selected	16,339	72,074	144		0: Not Selected
	Total:	435,920	263,148	270		Tota

	Connectivity Ranking	Moderate E Public	80- Tribal	
	5: High	175,006	40,117	
	4	50,998	16,861	
2010	3	474,578	158,523	108
2010	2	150,345	120,045	
	1: Low	277,884	312,254	234
	0: Not Selected	28,264	201,468	342
	Total:	1,157,074	849,269	685

	Connectivity	woderate exposure -				
	Ranking	Consensus				
	Natiking	Public	Private	Tribal		
	5: High	23,382	4,774			
	4	8,521	2,360	36		
2100	3	105,022	24,049	72		
2100	2	26,553	20,860			
	1: Low	42,117	50,475	36		
	0: Not Selected	9,169	37,721			
	Total:	214,763	140,239	144		
	Connectivity	Mode	rate Expos	ure -		
	Connectivity		rate Exposi Consensus	ure -		
	Connectivity Ranking		•	ure - Tribal		
	-	c	onsensus			
	Ranking	C Public	onsensus Private 9,655			
2070	Ranking 5: High	C Public 35,397	onsensus Private 9,655 5,224	Tribal 18		
2070	Ranking 5: High 4	C Public 35,397 13,943	onsensus Private 9,655 5,224 43,035	<b>Tribal</b> 18 865		
2070	Ranking 5: High 4 3	C Public 35,397 13,943 165,999	onsensus Private 9,655 5,224 43,035 22,572	<b>Tribal</b> 18 865 594		
2070	Ranking 5: High 4 3 2	C Public 35,397 13,943 165,999 41,738	onsensus Private 9,655 5,224 43,035 22,572 49,863	Tribal 18 865 594 2,810		
2070	Ranking 5: High 4 3 2 1: Low	C Public 35,397 13,943 165,999 41,738 72,470	Private 9,655 5,224 43,035 22,572 49,863 37,883	Tribal 18 865 594 2,810 1,027		

	Connectivity Ranking	Moderate Exposure - Consensus				
		Public	Private	Tribal		
	5: High	22,121	4,485			
	4	9,619	1,747			
2040	3	137,915	25,562	18		
2040	2	41,324	16,519			
	1: Low	80,000	72,740	108		
	0: Not Selected	12,538	51,394	144		
	Total:	303,518	172,448	270		

	Connectivity	Moderate Exposure 80-95%				
	Ranking					
	Kalikilig	Public	Private	Tribal		
	5: High	127,449	33,794			
	4	38,190	13,330			
2010	3	351,074	96,159	108		
2010	2	111,903	68,849			
	1: Low	194,641	200,279	234		
	0: Not Selected	18,951	118,838	252		
	Total:	842,208	531,250	594		

This is supplement	stary table 1 for connectivity, showing areas of consensus refuets & high exposure in each of the S	5 watersheds			
Extent = Pit Watershed RCP8.5 area = acres		Extent = Feather Watenbed REPS.1 area = acres	Extent = Upper Trinity Watenhed RCPL5 area = acres	Extent + McCloud Watenhed RCP8.5 ansa + acres	Extent = Upper Sacramento Watershed RCPE1 ama = acres
KOPES area * acres	Refueia - Hish Exposure - Very Hish Exposure -	REPELT area + acres Connectivity Refugia - High Exposure - Very High Exposure -	ACMES SHEET SCREET	RCMLS ansa Facres Connectuates Refugia - High Exposure - Very High Exposure -	REPEL and a screet Connectivity Refugia - High Exposure - Very High Exposure -
Ranking	Consensus Consensus Consensus	Ranklow Consensus Consensus Consensus	Panking Consensus Consensus Consensus	Parking Consensus Consensus Consensus	Backing Consensus Consensus Consensus
	Public Private Tribal Public Private Tribal Public Private Tribal	Public Private Tribal Public Private Tribal Public Private Tribal Staleb 21.671 955 12.350 667 45.611 12.350	Public Private Public Private Public Private	Public Private Public Private Public Private 5-Minh 3720 1954 2144 414 8.683 4.071	Public Private Public Private Public Private
S: High	16,141 4,954 1,233 685 37,199 9,926 6,755 2,936 558 360 18,098 5,314	5 High 21,671 955 12,250 667 45,611 13,709 4 13,024 1,063 3,225 667 11,543 9,367	5:Hgh 21,419 2,000 306 90 829 18 4 3,351 450 352	5:High 3,729 1,954 2,144 414 8,683 4,071 4 1,405 432 901 288 2,036 1,891	\$ High 1,323 576 1,711 594 15,528 3,927 4 2,972 739 450 450 2,630 1,153
2100 3	115,470 35,488 15,132 4,900 54 273,885 47,395 342	2100 3 95,645 10,160 15,168 5,548 84,377 51,304 18	2100 3 101,653 15,024 2,198 504 4,017 72	2100 3 7,548 6,025 1,009 937 4,828 1,495	2100 3 24,661 4,936 1,765 1,711 15,654 10,412
2	53,790 23,418 6,989 2,918 36 70,975 30,696 108	2 41,125 11,907 6,089 8,773 44,350 33,164 18	2 5,674 3,549 558 198 278	2 1,081 1,441 198 865 3,152 937	2 14,753 3,711 1,153 1,351 10,376 6,485
1: Low 0: Not Selected	79,424 120,874 7,116 10,070 54 146,886 81,856 206 8,467 22,049 54 865 5,710 108 11,889 68,381 216	1: Low 63,097 22,101 16,177 16,915 84,936 60,809 18 0: Not Selected 5.368 5.872 1.009 12,466 54 5.404 28,658 90	1: Low 46,224 44,285 1,477 1,982 450 205 0: Not Selected 5.278 6.421 252 865 54 144	1:Low 48,074 60,293 729 5,764 4,269 1,909 0:NotSelected 4,684 7,224 18 1,927 305 450	1:Low 11,475 10,222 1,099 4,143 5,170 12,772 0:Not Selected 486 1,819 72 1,567 901 3,999
u: Not selected		UE NOE SHINCEND 5, 858 5,878 1,009 12,866 54 5,404 28,658 90 Territ 341 531 62 058 0 53 916 45,035 54 226,623 307,021 144	U: NOT SANCTED 5,278 5,611 252 885 54 101 Total: 183 559 71 885 4,792 3,639 5,891 540	0:N015490040 4,044 7,224 18 1,927 305 650 Total: 67,120 77,388 5,909 10,196 23,274 10,754	U: Not selected 486 1,819 72 1,567 901 4,999 Total: \$7,681 22,103 6,251 9,818 50,259 28,748
Connectivity	Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -
Ranking	Consensus Consensus Consensus Public Private Tribal Public Private Tribal	Ranking Consensus Consensus Consensus Public Private Tribal Public Private Tribal	Ranking Consensus Consensus Consensus Public Private Public Private Public Private	Ranking Consensus Consensus Consensus Public Private Public Private Public Private	Ranking Consensus Consensus Consensus Public Private Public Private Public Private
S: High	36,586 10,538 5,476 2,234 5,098 1,747	\$ High 92,448 7,854 3,805 865 4,467 2,198	\$: High 25,111 3,152 540 18 216 36	5:High 21,869 7,512 342 72 360 54	5:High 13,817 5,008 739 576 1,063 162
4	19,978 7,512 36 2,864 1,207 2,648 1,189	4 29,054 5,764 1,009 703 1,405 1,081	4 3,641 775 216 18	4 7,188 2,360 162 54 234	4 6,629 4,990 288 108 288 18
2070 2	244,630 70,417 72 21,094 7,872 168,863 24,571 324 104,085 49,755 15,582 10,376 24,679 13,042 108	2030 3 207,539 27,579 10,232 3,711 12,141 21,491 18 2 95,852 47,089 5,638 3,837 6,089 21,130 18	2070 3 120,601 22,094 2,216 296 1,009 72 2 15,330 7,368 216 54 126 18	2000 2 25,256 12,008 306 144 667 108 2 3,621 5,837 504 18 558 198	2000 3 36,983 14,015 1,171 919 1,765 576 2 18,446 10,916 1,315 378 2,108 1,873
1: Low	104,065 44,555 15,562 10,756 24,679 14,042 108 172,052 224,562 270 45,728 28,984 234 43,980 26,589 234	2 93,052 47,089 5,648 4,847 6,089 21,140 18 1: Low 240,224 145,607 6,467 8,547 9,583 27,651 18	2 15,440 7,468 216 54 1,26 18 1: Low 49,016 53,087 378 955 198 432	2 4,621 5,847 504 18 558 198 1:Low 35.307 77,694 757 1.153 3,477 2,018	2 18,446 10,916 1,415 4/8 2,518 1,874 1:Low 12,916 26,787 630 612 775 1,495
0: Not Selected	15,888 29,075 234 3,963 67,733 468 6,683 57,068 198	0: Not Selected 10,628 25,706 90 757 14,321 1,261 23,490 18	0: Not Selected 7,638 13,168 108 360 90 126	0: Not Selected 3,152 11,781 144 252 298 1,153	0: Not Selected 739 5,927 144 360 126 2,522
Total	e: 599,218 391,858 612 94,718 118,406 709 251,962 124,206 865	Total: 685,756 259,599 90 27,904 32,083 0 34,947 97,041 72	Total: 231,137 100,644 3,675 1,801 1,629 685	Total: 96,393 117,992 2,216 1,693 5,494 3,531	Total: 89,529 67,643 4,287 2,954 6,125 6,647
Connectivity	Refueia - Hish Exposure - Very Hish Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -	Connectivity Refugia - High Exposure - Very High Exposure -
Ranking	Consensus Consensus Consensus	Ranking Consensus Consensus Consensus	Ranking Consensus Consensus Consensus	Ranking Consensus Consensus Consensus	Ranking Consensus Consensus Consensus
	Public Private Tribal Public Private Tribal Public Private Tribal 25.154 31.034 2.738 1.027 1.333 432	Public Private Tribal Public Private Tribal Public Private Tribal State 118.344 12.455 6.457 775 1.189 252	Public Private Public Private Public Private 5-Meth 22.121 2.324 2.022 1.44 1.000 50	Public Private Public Private Public Private 5-Mileh 23.074 10.008 1.171 278 547 167	Public Private Public Private Public Private 5-Minh 22,400 9,601 1,011 910 504 54
S: High	75,154 21,074 2,728 1,027 1,333 432 44,296 18,158 54 883 414 576 162	5: High 118,244 12,466 6,467 775 1,189 252 4 47,179 10,934 2,108 396 729 198	5:High 22,121 2,224 2,072 144 1,099 90 4 3.026 432 296 54 220	5:High 23,074 10,038 1,171 378 547 142 4 9,313 3,639 378 142 342 90	S:High 22,499 9,621 1,801 919 504 54 4 7,378 7,440 450 216 270 36
2040 3	425.794 128.791 775 5.080 3.621 7.818 1.549 36	2040 2 263,222 28,118 9,746 3,837 4,720 5,602	2040 2 109.057 16.915 6.503 1.783 3.603 1.063	2040 2 26,041 12,673 847 414 729 414	2040 3 36226 19,815 2,000 1,747 1,125 829
2	155,479 69,282 432 5,640 2,756 4,990 1,909	2 123,612 55,771 4,323 3,459 2,648 7,260	2 13,258 6,343 883 396 198 126	2 4,035 6,071 162 234 36 72	2 13,979 13,150 1,261 973 594 1,693
1: Low & Not Selected	272,634 327,836 2,270 8,395 7,350 4,287 4,954 22,778 54,600 1171 721 8016 36 685 15,132	1: Low 307,264 169,169 10,574 4,648 5,008 11,169 0: Not Selected 12,754 26,670 144 001 3,765 1,369 34,269 18	1: Low 23,128 25,794 3,927 3,747 1,189 2,360 0: Not Selected 5.855 10,160 450 937 2,34 540	1:Low 34,353 65,005 1,495 1,711 3,026 3,026 0:Not Selected 3,702 9,421 100 685 342 1,495	1:Low 11,133 29,291 1,387 3,243 612 1,585 0:Not Salartari 504 5:04 72 1,725 108 2,000
	23,778 54,600 1,171 721 8,016 36 685 15,122 8 1,007,126 630,742 4,702 23,256 23,184 36 19,689 24,129 36	0: Not Selected 12,754 26,679 144 991 3,765 1,369 24,769 18 Total: 872,255 313,137 144 34,209 16,879 0 15,672 49,250 18	0: Not selected 5,055 20,000 450 927 224 540 Total: 186.445 71.768 14.221 7.061 6.583 4.179	0: Not Selected 2,792 9,421 180 685 342 1,495 Total: 111,309 109,417 4,223 3,585 5,322 5,260	0: Not Selected 594 5,584 72 1,729 108 2,900 Total: 91,709 84,882 6,971 8,827 3,225 7,098
Connectivity	Refugia High Exposure Very High Exposure	Connectivity Refugia High Exposure Very High Exposure	Connectivity Refugia High Exposure Very High Exposure	Connectivity Refugia High Exposure Very High Exposure	Connectivity Refugis High Exposure Very High Exposure
Ranking	<80% 95-99% >99% Public Private Tribal Public Private Tribal	Ranking < 82% 95-99% > 99% Ranking Public Private Tribal Public Private Tribal	Ranking < 82% 95-99% > 99% Public Private Public Private Public Private	Ranking < 80% S5-99% > 99% Public Private Public Private Public Private	Ranking < 82% 95-99% > 98% Public Private Public Private
S: High	86,503 34,875 10,502 2,108 2,810 757	\$ High 138,229 21,058 9,818 1,747 3,206 450	5: High 22,645 3,026 2,738 234 667 36	5:High 23,866 9,511 4,197 883 2,504 288	5:High 21,617 7,980 4,936 1,081 2,522 576
4	56,654 23,112 72 3,801 1,657 540 450	4 52,060 13,637 4,143 1,099 1,405 162	4 3,513 649 540 36 90	4 9,079 4,287 1,297 360 775 18	4 7,908 6,647 919 594 432 126
2010 2	786,004 203,396 1,215 28,282 9,565 126 5,873 3,152 237,280 120,346 788 11,187 8,377 54 3,729 1,531	2020 3 301,464 81,081 18 48,630 15,204 17,782 4,233 2 163,603 77,262 18 14,681 11,061 5,008 3,675	2010 3 120,658 23,364 10,160 1,657 2,234 360 2 15,420 7,296 612 396 252 36	2010 3 25,400 10,971 5,746 1,545 2,612 252 2 4,728 5,981 757 306 324 198	2010 3 48,259 19,473 5,152 2,648 3,927 1,297 2 21,905 14,717 3,134 2,126 703 1,513
1: Low	42,00 120,00 744 11,187 8,477 54 4,729 1,541 442,802 428,571 4,936 6,035 20,220 54 3,639 9,674	2 264,603 77,62 18 14,661 11,061 5,008 4,675 1:Low 283,788 251,944 18 25,868 14,789 6,529 3,999	2 15,020 7,596 612 396 352 36 1:409 49,611 55,411 2,324 3,170 594 1,099	2 4,748 5,981 757 406 424 198 1:Low 49,430 76,920 7,098 9,457 2,486 3,333	2 21,805 24,717 4,144 2,126 704 1,514 1:Low 16,375 35,055 2,036 3,621 324 1,347
0: Not Selected	41,432 164,071 2,972 1,045 16,321 54 522 6,917	0: Not Selected 20,716 78,919 234 1,827 17,167 234 6,521	0: NotSelected 7,000 13,420 216 1,261 198 198	0: NotSelected 4,558 12,006 630 2,504 306 1,009	0: Not Selected 1,045 6,755 234 3,008 18 1,347
Total	a: 1,650,675 964,270 10,088 60,851 58,257 288 17,113 22,481 0	Total: 1,059,871 523,901 288 104,967 61,067 0 34,245 19,041 0	Total: 219,646 103,166 16,591 6,755 4,035 1,729	Total: 127,071 120,676 19,725 15,096 9,007 5,098	Total: 117,109 90,628 16,411 13,078 7,926 7,007

	t = Pit Watershed	ary table 2	for connec	ivity, showing a	reas of consensus moderate Extent = Feather Watershe		in each of t	he 5 watershed	Extent	= Upper Trinity Wat	ershed			McCloud Watersh	ed		Extent = Upper Sacrament	o Watershed	
RCP8.	5 area = acres Connectivity Ranking	c	rate Exposu ionsensus		RCP8.5 area = acres Connectivity Ranking	c	rate Expos Consensus		RCP8.5	area = acres Connectivity Ranking	Moderate E Consei	nsus	RCP8.5	area = acres Connectivity Ranking	Moderate I Conse	nsus	RCP8.5 area = acres Connectivity Ranking	Moderate E Conse	nsus
				ribal		Public		Tribal				rivate				Private			Private
	5: High	6,269	1,891		5: High	6,323	216			5: High	5,170	594		5: High	4,035	1,315	5: High	1,585	757
	4	2,234	685	36	4	2,540				4	721	36		4	1,891	450	4	1,135	1,009
2100	3	59,860	12,069	72	2100 3	14,267	5,638		2100	3	21,815	2,000	2100	3	4,540	2,054	2100 3	4,540	2,288
	2	14,285	8,340		2	5,764				2	3,639	919		2	775	1,081	2	2,090	3,351
	1: Low	13,853	21,022	36	1: Low	16,375	8,178			1: Low	4,954	5,080		1: Low	4,251	8,791	1: Low	2,684	7,404
	0: Not Selected	4,774	19,023		0: Not Selected	1,495	15,024			0: Not Selected	2,414	1,387		0: Not Selected	342	757	0: Not Selected	144	1,531
	Total:	101,275	63,031	144	Total	46,764	36,406	0		Total:	38,712	10,016		Total:	15,834	14,447	Total	12,177	16,339
		Mode	rate Exposu	re -		Mode	rate Expos	ure -			Moderate E	xposure -			Moderate I	Exposure -		Moderate 8	Exposure -
	Connectivity	c	onsensus		Connectivity		Consensus			Connectivity	Conser	nsus		Connectivity	Conse	nsus	Connectivity	Conse	nsus
	Ranking	Public	Private	ribal	Ranking	Public	Private	Tribal		Ranking	Public P	rivate		Ranking		Private	Ranking	Public I	Private
	5: High	17.077	7,728		5: High	10.898	937			5: High	2.504	180		5: High	3.026	270	5: High	1.891	540
	4	8,431	2.972	18	4	3,477	1.585			4	396			4	811	180	4	829	486
	3	126,548	35.884	865		25.886	4,413			3	9.061	757	2070	3	1.171	342	3	3,333	1,639
2070	2	26.048	15.510	594	2070 2	12.934			2070	2	1.369	288	2070	2	162	180	2070 2	1.225	1.297
	1: Low	41.126		2,810	1: Low	26,751				1: Low	2,450	1,387		1: Low	667	1.711	1: Low	1,477	2,648
	0: Not Selected	5.332		1.027	0: Not Selected	1.549				0: Not Selected	901	504		0: Not Selected	126	811	0: Not Selected	54	1.027
	Total:		126,782		Total			0		Total:		3,116		Total:	5,963	3,495	Total		7,638
	10441	224,502	120,702	5,514	10141	01,455	27,201	U U		1044	10,001	5,110		Total.	3,503	5,455	10101	0,005	7,050
								uro.							Moderate I				Exposure -
	Connectivity		rate Exposu	re -	Connectivity		rate Expos	uie -		Connectivity	Moderate E			Connectivity			Connectivity		
		c	onsensus			c	rate Expos Consensus				Conser	nsus			Conse	nsus		Conse	
	Ranking	C Public	onsensus Private	re - Tribal	Ranking	C Public	Consensus Private	Tribal		Ranking	Conser Public Pr	nsus rivate		Ranking	Conse Public	nsus Private	Connectivity Ranking	Conse Public I	Private
		C Public 7,242	onsensus Private 2,558			0 Public 8,322	Consensus Private 630				Conser Public Pr 4,017	rivate 649			Conse Public 1,009	nsus Private 342		Conse Public I 1,531	Private 306
	Ranking	C Public 7,242 3,513	onsensus Private 2,558 991	fribal	Ranking	0 Public 8,322 4,035	Consensus Private 630 198			Ranking	Conser Public Pr 4,017 775	rivate 649 216		Ranking	Conse Public 1,009 234	nsus Private 342 90	Ranking	Conse Public I 1,531 1,063	Private 306 252
2040	Ranking 5: High 4	C Public 7,242	onsensus Private 2,558		Ranking	0 Public 8,322	Consensus Private 630 198		2040	Ranking	Conser Public Pr 4,017	rivate 649	2040	Ranking 5: High 4	Conse Public 1,009	nsus Private 342	Ranking	Conse Public I 1,531	Private 306
2040	Ranking 5: High 4	C Public 7,242 3,513	onsensus Private 2,558 991	fribal	Ranking 5: High 4	0 Public 8,322 4,035	Consensus Private 630 198 5,458		2040	Ranking 5: High 4	Conser Public Pr 4,017 775	rivate 649 216	2040	Ranking 5: High 4	Conse Public 1,009 234	nsus Private 342 90	Ranking 5: High 4	Conse Public I 1,531 1,063	Private 306 252
2040	Ranking 5: High 4	C Public 7,242 3,513 70,399	onsensus Private 2,558 991 14,159	fribal	Ranking 5: High 4 2040 <sup>3</sup>	0 Public 8,322 4,035 36,190	Consensus Private 630 198 5,458 4,612		2040	Ranking 5: High 4 3	Conser Public Pr 4,017 775 22,770	rivate 649 216 3,963	2040	Ranking 5: High 4 3	Conse Public 1,009 234 1,873	nsus Private 342 90 685	Ranking 5: High 4 2040 <sup>3</sup>	Conse Public I 1,531 1,063 6,683	Private 306 252 1,297
2040	Ranking 5: High 4 3 2	C Public 7,242 3,513 70,399 21,383	onsensus Private 2,558 991 14,159 10,214	<b>Tribal</b> 18	Ranking 5: High 4 2040 3 2	Public 8,322 4,035 36,190 8,593	Consensus Private 630 198 5,458 4,612		2040	Ranking 5: High 4 3 2	Conser Public Pr 4,017 775 22,770 3,693	rivate 649 216 3,963 703	2040	Ranking 5: High 4 3 2	Conse Public 1,009 234 1,873 919	nsus Private 342 90 685 324	Ranking 5: High 4 2040 3 2	Conser Public 1 1,531 1,063 6,683 6,737 5,098 649	Private 306 252 1,297 667
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected	C Public 7,242 3,513 70,399 21,383 26,030	Private 2,558 991 14,159 10,214 25,886 37,073	fribal 18 108	Ranking 5: High 4 2040 3 2 1: Low	Public 8,322 4,035 36,190 8,593 14,411 1,261	Consensus Private 630 198 5,458 4,612 13,817 6,773	Tribal	2040	Ranking 5: High 4 3 2 1: Low	Conser Public Pr 4,017 775 22,770 3,693 14,357	rivate 649 216 3,963 703 13,943	2040	Ranking 5: High 4 3 2 1: Low	Conse Public 1,009 234 1,873 919 20,104	nsus Private 342 90 685 324 14,069	Ranking 5: High 4 2040 3 2 1: Low	Conser Public I 1,531 1,063 6,683 6,737 5,098 649	Private 306 252 1,297 667 5,026
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected	C Public 7,242 3,513 70,399 21,383 26,030 4,125 132,691	Private 2,558 991 14,159 10,214 25,886 37,073 90,881	Tribal 18 108 108 234	Ranking 5: High 4 2040 3 2 1: Low 0: Not Selected	Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488	Tribal 36 <b>36</b>	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701	rivate 649 216 3,963 703 13,943 2,576 <b>22,049</b>	2040	Ranking 5: High 4 3 2 2 1: Low 0: Not Selected	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553	nsus Private 342 90 685 324 14,069 3,855 19,365	Ranking 5: High 4 2040 2 1: Low 0: Not Selected	Conse Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761	Private 306 252 1,297 667 5,026 1,117 8,665
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	C Public 7,242 3,513 70,399 21,383 26,030 4,125 <b>132,691</b> Mode	Private 2,558 991 14,159 10,214 25,886 37,073 90,881	Tribal 18 108 108 234	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total Connectivity	Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expos	Tribal 36 36 36	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate B	rivate 649 216 3,963 703 13,943 2,576 <b>22,049</b> Exposure	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure	Ranking 5: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity	Conser Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking	C Public 7,242 3,513 70,399 21,383 26,030 4,125 132,691 Mode Public	Private 2,558 991 14,159 10,214 25,886 37,073 90,881 Private	Tribal 18 108 108 234	Ranking 5: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking	Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode Public	Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expos Private	Tribal 36 <b>36</b>	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate B Public Pr	rivate 649 216 3,963 703 13,943 2,576 22,049 Exposure rivate	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate Public	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private	Ranking 5: High 4 2040 3 1: Low 0: Not Selected Total Connectivity Ranking	Conser Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate Public	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	C Public 7,242 3,513 70,399 21,383 26,030 4,125 132,691 Modee Public 46,026	Private 2,558 991 14,159 10,214 25,886 37,073 90,881 erate Expose Private 14,916	Tribal 18 108 108 234	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total Connectivity	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode Public 38,352	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expon Private 4,666	Tribal 36 36 36	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate B Public Pr 10,394	rivate 649 216 3,963 703 13,943 2,576 22,049 Exposure rivate 667	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate Public 14,357	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656	Ranking 5: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity	Conser Public 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate 1 Public 1 8,320	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891
	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4	C Public 7,242 3,513 70,399 21,383 26,030 4,125 <b>132,691</b> Mode Public 46,026 14,591	onsensus Private 2,558 991 14,159 10,214 25,886 37,073 90,881 rate Exposs Private 14,916 4,666	18 108 108 234 Irribal	Ranking S: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 72,813 Mode Public 38,352 15,150	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expo: Private 4,666 3,783	Tribal 36 36 36		Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate B Public Pr 10,394 1,243	rivate 649 216 3,963 703 13,943 2,576 22,049 Exposure rivate 667 126	2040	Ranking 5: High 4 3 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate 1 Public 1 4,357 3,279	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656 2,378	Ranking S: High 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4	Conser Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate 1 Public 1 8,320 3,927	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891 2,378
2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4	C Public 7,242 3,513 70,399 21,383 26,030 4,125 <b>132,691</b> Mode Public 46,026 14,591 160,937	onsensus Private 2,558 991 14,159 10,214 25,886 37,073 90,881 private 14,916 4,666 43,396	Tribal 18 108 108 234	Ranking 5: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode Public 38,352 15,150 113,452	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expos Private 4,666 3,783 28,912	Tribal 36 36 36	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate P Public Pr 10,394 1,243 42,675	rivate 649 216 3,963 13,943 2,576 <b>22,049</b> Exposure rivate 667 126 3,044	2040	Ranking 5: High 4 3 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate   Public 14,357 3,279 14,303	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656 2,378 6,143	Ranking 5: High 4 2040 3 1: Low 0: Not Selected Total Connectivity Ranking	Conser Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate 1 18,320 3,927 19,707	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891 2,378 14,663
	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2	C Public 7,242 3,513 70,399 21,383 26,030 4,125 132,691 Mode Public 46,026 14,591 160,937 50,709	Onsensus Private 2,558 991 14,159 10,214 25,886 37,073 90,881 Private 14,916 4,666 43,396 28,444	fribal 18 108 108 234 irre fribal 108	Ranking S: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4 2010 3	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode Public 38,352 15,150 113,452 43,756	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expon Private 4,666 3,783 28,912 31,795	Tribal 36 36 36		Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate P 10,394 1,243 42,675 4,341	rivate 649 216 3,963 703 13,943 2,576 <b>22,049</b> Exposure rivate 667 126 3,044 739	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate Public 14,357 3,279 14,303 3,134	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656 2,378 6,143 1,855	Ranking S: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4 2 2 4 2 2	Consec Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate Public 1 18,320 3,927 19,707 9,962	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891 2,378 14,663 6,017
	Ranking S: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2 1: Low	C Public 7,242 3,513 70,399 21,383 26,030 4,125 <b>132,691</b> <b>Mode</b> Public 46,026 14,591 160,937 50,709 59,644	onsensus Private 2,558 991 14,159 10,214 25,886 37,073 90,881 rate Exposs Private 14,916 4,666 43,396 28,444 80,378	fribal 18 108 108 234 rrie fribal 108 234	Ranking 5: High 4 2040 2 1: Low 0: Not Selected 0: Not Selected Total 2: High 4 2010 2 2 1: Low	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 72,813 Mode Public 38,352 15,150 113,452 43,756 79,081	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expo: Private 4,666 3,783 28,912 31,795 57,591	Tribal 36 36 sure Tribal		Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2 1: Low	Conser Public P 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate 16 Public P 10,394 1,243 42,675 4,341 12,033	rivate 649 216 3,963 703 13,943 2,576 22,049 Exposure rivate 667 126 3,044 739 9,169	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2 2	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate Public 14,357 3,279 14,303 3,134 33,632	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656 2,378 6,143 1,855 35,361	Ranking 5: High 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4 2010 3 2 1: Low	Consec Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate 1 Public 1 18,320 3,927 19,707 9,962 10,250	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891 2,378 14,663 6,017 17,780
	Ranking 5: High 4 3 2 1: Low 0: Not Selected Connectivity Ranking 5: High 4 3 1: Low 0: Not Selected	C Public 7,242 3,513 70,399 21,383 26,030 4,125 132,691 Mode Public 46,026 14,591 160,937 50,709	onsensus Private 2,558 991 14,159 10,214 25,886 37,073 90,881 rate Expose Private 4,666 43,396 28,444 80,378 81,081	fribal 18 108 108 234 irre fribal 108	Ranking 5: High 4 2040 2 2040 2 2010	C Public 8,322 4,035 36,190 8,593 14,411 1,261 72,813 Mode Public 38,352 15,150 113,452 43,756	Consensus Private 630 198 5,458 4,612 13,817 6,773 31,488 erate Expo: Private 4,666 3,783 28,912 31,795 57,591 24,121	Tribal 36 36 36		Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2	Conser Public Pr 4,017 775 22,770 3,693 14,357 4,089 49,701 Moderate P 10,394 1,243 42,675 4,341	rivate 649 216 3,963 703 13,943 2,576 <b>22,049</b> Exposure rivate 667 126 3,044 739	2040	Ranking 5: High 4 3 2 1: Low 0: Not Selected Total: Connectivity Ranking 5: High 4 3 2	Conse Public 1,009 234 1,873 919 20,104 2,414 26,553 Moderate Public 14,357 3,279 14,303 3,134	nsus Private 342 90 685 324 14,069 3,855 19,365 Exposure Private 7,656 2,378 6,143 1,855	Ranking S: High 4 2040 3 2 1: Low 0: Not Selected Total Connectivity Ranking 5: High 4 2 2 4 2 2	Consec Public 1 1,531 1,063 6,683 6,737 5,098 649 21,761 Moderate Public 1 18,320 3,927 19,707 9,962	Private 306 252 1,297 667 5,026 1,117 8,665 Exposure Private 5,891 2,378 14,663 6,017

Ramy Hannah may many manage	Rating Holeson Bay Manager Manager	And the second second second second				
			" AND NUM THAT AND PLAN THAT AND PLAN THAT AND THAT	Fully Price Adds Price Adds Price Fully Price	" Adde Marce Palle Marce Adde Marce Adde Marce	THE PLUS AND PLUS FOR PLUS AND PLUS
sound-by Rolgs. Mags. Mills surjeptopuus. surjeptopuus.	nametry Maga. Maga. Mitti try tip house. Very tip houses.	terrariety Adapt. Adapt. Very Byld speece. Terry Byld speece.	second Migs. Migs. Wythings. Wythings.	namenteri Andre, Andre, Verymphogenes Moyingh Andrea (1978-1916) (1978-1916) (1978-1916) (1978-1916)	neurostati Milan Milan Very Militaria Ve	secondery Aufriga. Adapta. Terry My Marcalana. Terry My
Arring Material Big Material Material	And the set of the set of the set of the	Autory (Marketing Contracting	Arring Indexed Western Internet Marcell	Autory (Autoria) and any constants	Robert House and American American	Autory Manual Manual Manual Autor

						single climate models																													
This is supplem				ing awar of mod	levale exposure for	Extend + 5 Watenheds					Interio FilWatenhed					Isleri - brather Waleshe					 ent - Uniter Trivity Water					Extent + McClaud Watershei					Extent - Unper Sacomenta 1				
SCPEA area + acres		ersoneus pous	and married			NCPEA area - area					STEEL STREET POINT					NCPES area: aires					For a support to being many					ECEL AND COMPANY					RCPEA area + acres				
Comercial		erate Depose	re - CNRM	Moderate Inc.	-	Constitute	Madeute	Executive - CN	Mades	in Departure -	Cameralivity	Modecute 1	NAME OF TAXABLE PARTY	Moderate Tax		Consectivity	Maderal	te Execute -	Maderate	Departure -	 Constich	Moderate In		Moderate In	-	Comediato	Medwate 1		Moderate Data	-	Comercitivity	Mode and Inc.	auter M	information Exception	
Sanking	-	Only		MINDCO	dv .	Service		Only		DC Dely	Sanking	CARD	Only	MINOC CH	le l	Earthing	CNE	MICHIN	MINC	C Only	Serbing	CARMO	adv.	MINOC C	2 day	Serbing	CARM	Dely .	MINDE O	dv .	Serbing	CMMMO	ev.	MIRCCORV.	
A starting	2.0	is pixer	Tribal Pa	whice Private	Tribal	Annual	PARK	Plute 10	of Palls 1	type Tribal	Parting.	DAIN DW	te bild rul	to Physic	Tribel	Parking.	PARK 1	These Tribe	Dels D	and Tribal	Annung	Della D	these in	dia n	the local de la constant de la const	Astrony	PARK 1	where the	NK N		Annag	PARK PA	- P.61	k Print	
5. High		46 7,16	16	79,389 22,08	IS 90	5. High	20,798	7,007	35,825	15,979	5. High	8,908 5,	871 1	7,128 6,10		5 High	12,664	1,099	14,587	1,879	5. High	198	18	1,639	72	5. High	18	18	18,873	4,213	5 High			8,429	3,297
		10 1.0	10	20,368 20,16	10 18		15,474	5,116	13,060	7,998 18	4	3,403 4,	864	1,891 2,71	1 18		3,879	252	3,827	1,295	4	198		236	72				3,334	1,279	4			1,891	2,690
2300 8		108 23,48		\$28,523 147,04	6 973	2300 1	65,661	19,421	209,268	00,558 883	2300 8	35,632 14	627 15	1,154 43,40	883	2330 3	28,305	4,467	26,818	1,542	 100 1	3.76	72	22,196	1,675	2320 8	236	23.6	8,729	2,666	2100 1	36	18	8,881	6,629
1		78 18,4		56,042 52,7N		1		16,334	87,798	32,317 612	2	18,408 1		1,247 34,98		1		6,435	9,369		1			8,026	883		18	208	1,095	1,888	1	54			3,062
1. Low		454 79,40		96,699 122,87		3. Sew		67,823		83,065 3,603	3. kine	21,023 67			3,403	1 Low		25,528	0,000		1 Low	180	126	1,827	2,900	1 Low	2,090	4,865	6,881	11,499	1 Low	90	108		7,079
O. Not Selected		7N 33,50		20,342 61,73		0. Not beleded	3,549		54 7,382	47,881 1,495	D. Not beleded	1,003 11,			1,495	O. Not Selected	1,675	8,829 1	1,009		0. Not Selected	72	18	1,549	1,023	O. Not Selected	180	62.2	721	4,269	O. Not Selected	28	18		1,801
,	tutal 26	,287 172,88	12 54 5	190,662 634,68	1 6,809	Tata	204,153	196,182	54 382,167	235,368 6,613	Tetali	96,177 93,	AB 36 20	2,216 192,40	5 6,623	Teta	306,083	36,586 5	60,000	7,829 0	Total	1,225	254	28,554	7,206	Total	2,522	5,2%	34,423	21,220	Total	258	180	22,663 2	4,329
		ante fanore		Madacita Inc.				P Deposare - CN		in francisco		Madeuter		Madacata Fea								Made to De		Mulacian Ter			Madazata							adviste Danis	
Connectivit	ey Ma		** · CM04	Maderate Exp MIROCON		Connectivity	Madeule				Cannectivity					CannesIndly		te Exposure - MI Driv	Maderate	Exposure - C Only	Connedivity								Mindeviate Exp MIROC O		Connectivity	Moderate Exp		MIRCE Colly	
Ranking	200	Only Divide				Ranking	DATE	Divite 10		DCOviy Ityate Tribal	Ranking	Dalk Div		MROC CA		Ranking		RMCkey Frinkle Triba		COWY	Ranking	Dalls D	bey tota a	MROC C	3 Ny	Renking	CNRM Public 1	Dey North Rui	Milloc G		Renking	CMM/O	ey ana mat	Mildcowy	
1.000		307 648		72.800 33.30		T. Math	4.720		14 797	13.348	N. Mark	1.018 6		1.000 0.77		2.000	1.167	100		1.087	1.000			1.000	100	1.160			3,714	1 196	1.000			9.007	1116
		310 1.80		22.882 20.23			2.195		16.100	4 192		2,090 1						100	6.916	1.000				326	10				1.815	1,000				1.00	111
2070 1		10 6.12		213.681 83.03		2070 8	2,620		188.962	18 118 11	2012 1	13.114 2		6403 23.7		2070 3	2,362		43,702 2		100 1	**		8.611	1.088	2070 3			3,817	878	2070 3			1.00	6.339
		481 4.75		72.372 68.00			6.07		45.157	25.611 14		1999 2		6.811 12.30			2.612	100	16,807 1					101	204				1.677	018		20		1.909	2.972
1 kew		310 10.00		368,459 129,19	6 1,261	3.5ew	0,188	5,962	96,807	78,703 1,265	3 kiw	3,783 8	340 5	4490 33,98	2 1,265	1 Low	3,080	1,895	83,379 1	1,498	Line	90	29.2	1,405	1,495	1 kine	162	90	6,773	3,459	1 Low	18	308	2,860	7,260
O. Not Selected		18 21,81		13,454 74,86		0. Not beleated	612			46,188 612	D. Nut Selected	288 5		8,981 27,M		O. Not Selected	126	7,620	3,960		0. Not Selected		294	378	304	O. Not Selected	18		799	1,795	0. Not Selected		382		1,477
	tutal 7	229 65,68		10,800 204,53	13 2,090	Tata	1 35,766	36,875	0 368,512	236,670 2,000	Tetal	26,372 24,	AC7 0 19	2,263 308,42	\$ 1,927	Teta	11,893	32,953	117,721 1	8,150 72	Total	236	175	18,134	3,549	Total	380	100	28,805	10,160	Total	386	390	21,508 2	13, 184
Comediat	ay 184	erate Depose	www.comm	Moderate Exp		Connectivity	Madeute	e Exposure - CN		te Exposure -	Camedivity	Moderate I		Moderate Exp		CannesIndly		te Exposure -	Maderate		Contradivity	Moderate Ex		Moderate Do		Contradivity	Moderate I		Moderate Exp		Comediativ	Moderate Exp	osare - M	idents Expose	
Ranking		Only		MINOCON		Ranking		Owly		DC Owly	Ranking	CNIM		MINOC ON		Ranking		RM Deliy		c Owly	Ranking	CNRM C		MINOC C		Ranking	OVERM		MINOC O		Ranking	CNRMICK	éy .	MRCCONY	
	PAR -			whic Private		P. Mark		Nutr 16		ivate Tribal	1.004	PAR NV		di Pévale				Number Stille		alle Sibal			rivate P		ikale 141	2.000		visite Pul	NK P4	12.1		PARS N		A MAR	•
5. High		,867 2,80 710 83		20,509 0,63		5 Hegs	3,6%		18,008	1,729	5 Hgh	2,686 1,		1,458 64		5.166	1,567	230	6,667	2,126	5.High	414	72	396	143	5. High	630	204	1,875	252	5. High	378	298	4,543	540
		712 3.22		117.541 66.00			20.612		95,907	1,747		4122 2		8,764 12.10			1473		30,800 1			105		1 1 1 1	176				4 1 1 1						1423
2280 8		30 10		107,542 64,04		2080 8	2,00			10,000 30	2002 8	4,123 2,		8,764 12,00		2010 1	1,475			6,528 6,070 18	 140 <sup>8</sup>	1,218	-10	1,829		2040 3	198		4,877	176	2280 8	629			1,423
1 key		387 1.79		10,003 LOOM		2.5ew	6.70		63,768	10,000 10	2.50	2.325 2		1,000 1,00		liev	1493	1.178	25,977 2		Liter	2.525	1 800	747		1 law			1,100	110	1 key	800			1.001
0. Not Selected		221 1.45		94,025 102,96 11,817 85,00		5 low	4,755		2,968	62,453 208	D Not brieded	2,808 2, 300 6		1,898 22,98		0. Not beleated	1,400	4,418		1,262 58	1 Low	2,01	-,400	295	1,105	D Red Relations	72	90	1,712	2.608	1 Low	-60	467	817	1,621
				10,017 80,00		a nan an mana			A 101.003	10,000 100	Trace and the second			4871 72.4		Table					Solution State	4 7 10		4977	1000	Contract and contract			1,000	17.000	Total	1 100	1 4 70		1.00
																									-										

This is supplementary table 5 for biodiversity, showing total area in each biodiversity rank

area = acres

Connectivity							Upper
Ranking	Study Area	5-Watersheds	Pit	Feather	Upper Trinity	McCloud	Sacramento
5: High	825,959	592,426	198,496	217,537	40,207	73,263	62,923
4	322,757	247,584	105,544	91,439	6,197	21,473	22,932
3	3,302,665	2,239,192	1,242,154	610,746	204,152	67,012	115,127
2	1,270,544	909,670	452,349	350 <i>,</i> 858	29,093	17,293	60,077
1: Low	3,352,204	2,318,129	1,056,196	823,617	133,412	217,717	87,188
0: Not Selected	870,814	555,011	319,964	154,272	28,660	34,659	17,456
Total:	9,944,943	6,862,012	3,374,703	2,248,469	441,721	431,417	365,702

## These are the final biodiversity tables. They cross rank biodiversity with climate exposure of the vegetation.

There are 6 tabs: 2 main tables and 5 appendix tabs.

Main1_Bio_ConsensusRefHighExp	Consensus Refugia & High Exposure: Summaries
Main2_Bio_ConsensusModExp	Consensus Moderate Exposure: Summaries
Apx1_Bio_ConRefHighExp_5Watshd	Consensus Refugia & High Exposure: By Watershed
Apx2_Bio_ConModExp_5Watshd	Consensus Moderate Exposure: By Watershed
Apx3_Bio_RefHighExp	Single Model Refugia & High Exposure: Summaries and by Watershed
Apx4_Bio_ModExp	Single Model Moderate Exposure: Summaries and by Watershed
Apx5_Bio_AreaByRank	Total Area by Biodiversity Rank

 This is the Consensus Refugia & High Exposure by Biodiversity Ranking table for use in the main text. Refugia & High Exposure by watershed tables are in appendix 1, single climate model tables are in appendix 3.

 Extent = Entire Study Area (5-Watersheds plus 10km buffer)
 Extent = 5-Watersheds

 RCP8.5 area = acres
 RCP8.5
 area = acres

	5 area = acres	ca (J-Waters	nicus plus 1	Juli Duli	er <i>)</i>					
	Biodiversity		Refugia -					Very Hi	gh Exposu	ire -
	Ranking	(	Consensus		High Expo	osure - Co	nsensus	Co	onsensus	
	Kaliking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	322,648	286,945	72	15,798	46,278	270	187,129	246,828	180
	4	489,836	233,894	18	43,828	44,981		265,598	272,624	288
100	3	337,888	86,665	18	29,309	19,707	36	228,940	234,506	306
	2	69,120	13,961		44,350	15,906		532,746	142,869	1,459
	1: Low	18,446	19,833		6,215	5,314		53,249	38,496	
	Total:	1,237,939	641,298	108	139,500	132,187	306	1,267,662	935,322	2,234
	Biodiversity		Refugia -					Very Hi	gh Exposu	ire -
	Ranking	(	Consensus		High Expo	osure - Co	nsensus	Co	onsensus	
	Natiking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	550,742	523,180	667	41,054	63,463	486	20,338	176,447	324
	4	913,453			30,912			38,766	92,178	36
070	3	662,464	187,201	18	47,701			19,527	57,951	126
	2	242,720	56,348	36	27,165	23,562		322,288	90,917	1,315
	1: Low	26,625	25,021		20,122	8,989		5,963	33,236	
	Total:	2,396,004	1,275,714	955	166,954	208,350	703	406,882	450,728	1,801
	Biodiversity		Refugia -						gh Exposu	ire -
	Ranking		Consensus			osure - Co			onsensus	
		Public	Private	Tribal		Private			Private	Tribal
	5: High	591,777			38,388			14,681		
	4	1,030,796			43,432			25,184		
040	-	1,027,644	, .		23,778			, .		
	2	446,098		757	14,519			36,208		
	1: Low	68,003	52,907		7,152			3,315		
	Total:	3,164,318	1,700,358	5,368	127,269	85,206	36	92,105	136,240	72
	Biodiversity	Refugia		<	Hig	gh Exposur	e	Very H	igh Exposi	ure
	Diouversity		80%			95-99%			> 99%	

	Biodiver	-i+.,	nerugiu				in Exposur	•	• • • • • •	Pu rubor	
	Rankir			80%			95-99%			> 99%	
	Kalikii	B	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High		809,584	883,460	2,360	69,174	75,857	126	19,869	16,591	
	4		1,340,565	774,817	649	82,072	71,516	36	30,426	20,986	
2010	3		1,405,055	621,356	6,485	51,052	42,189	72	13,979	12,700	
	2		870,976	248,989	2,468	91,529	45,431	72	22,752	22,229	
	1: Low		102,247	72,560	36	37,019	35,884		22,824	11,925	
		Fotal:	4,528,427	2,601,183	11,997	330,845	270,876	306	109,849	84,432	0

- s watersheus										
.5	area = acres									
	Biodiversity		Refugia -						ligh Expos	ure -
	Ranking		Consensus			osure - Coi			onsensus	
	•	Public	Private	Tribal	Public	Private			Private	
	5: High	234,812	200,460	18	13,150	36,857	270	154,992		180
	4	325,044	171,277	18	35,415	33,668			127,377	198
2100	3	214,222	57,699	18	21,293	11,979	36	170,088	149,336	270
	2	42,207	5,548		28,714				103,580	468
	1: Low	13,691	8,124		4,287	3,513		35,524	12,898	
	Total:	829,976	443,108	54	102,860	93,330	306	914,948	500,681	1,117
			Refugia -					Verv H	ligh Expos	ure -
	Biodiversity		Consensus		High Expo	osure - Coi	nsensus	Ċ	onsensus	
	Ranking	Public	Private	Tribal	Public	Private	Tribal	Public	Private	Tribal
	5: High	434.695	398,523	576	36.118	50.313	486	16.123	82.072	324
	4	687,215	383,950	108	19,131	12,250	36	28,138	33,560	36
2070	3	431,003	121,648	18	41,468	66,868	180	16,393	34,353	108
	2	125,954	25,148		23,670	20,302		235,929	71,029	468
	1: Low	17,167	8,467		12,412	7,206		3,585	11,097	
	Total:	1,696,034	937,736	703	132,799	156,938	703	300,167	232,110	937
			Refugia -					Verv H	ligh Expos	ure -
	Biodiversity		Consensus		High Exp	osure - Coi	nsensus	Ċ	onsensus	
	Ranking	Public	Private	Tribal	Public	Private			Private	Tribal
	5: High	482,937	417,312	955	24,355	15,762		9,223	9,493	
	4	806,000	465,932	306	25,562	13,006		11,637	20,824	18
2040	3	701.645	244,738	2.918	18,194			6,539	12,195	18
	2	237,785	71,029	667	9,728			21,094	40,351	18
	1: Low	40,477	10,934		5,062			2,018	7,061	
	Total:	2,268,843	1,209,945	4,846	82,900		36	50,511	89,926	54
		Refugia		<	Hig	h Exposur	•	Verv	High Expos	sure
	Biodiversity	nerugiu	80%			95-99%	-		> 99%	, and
	Ranking	Public	Private	Tribal	Public		Tribal	Public		Tribal
	5: High	644,234	649,080	2,270	45,611		126	15,690	9,800	mbai
	4	955.101	545,788		58,401			20,014	13,979	
2010	3	975.385	414.051		29.273			8.683	8,827	
	2	539,411	172,376		61,157			15,150	15,456	
	1: Low	60.041	21.347	1,507	24.103	18.771	54	12,790	7,296	
		3,174,172				154,254	288	72,326	55,357	0
								· · ·		

 This is the Moderate Exposure by Biodiversity Ranking table for use in main text. Moderate exposure by watershed tables are in appendix 2, single climate model tables are in appendix 4.

 Extent = Entire Study Area (5-Watersheds plus 10km buffer)
 Extent = 5-Watersheds

 RCP8.5 area = acres
 RCP8.5
 area = acres

2040

Biodiversity

Ranking 5: High

	Biodiversity Ranking	Moderate Exposure - Consensus								
	Natiking	Public	Private	Tribal						
	5: High	48,151	37,865	18						
	4	99,689	82,756	162						
2100	3	54,438	30,083	18						
	2	64,706	27,958	36						
	1: Low	75,425	18,302	18						
	Total	342,410	196,965	252						

	Biodiversity Ranking	Moderate Exposure - Consensus							
	Kaliking	Public	Private	Tribal					
	5: High	60,545	25,310	36					
	4	123,882	58,599	180					
2070	3	142,941	75,244	4,215					
	2	81,928	30,912	1,171					
	1: Low	99,185	28,300	54					
	Total	508,481	218,366	5,656					

	Biodiversity Ranking	Moderate Exposure - Consensus							
	Natiking	Public	Private	Tribal					
	5: High	116,118	85,566	18					
	4	145,013	64,256	54					
2040	3	51,610	84,432	162					
	2	35,884	8,719						
	1: Low	87,296	20,176	36					
	Total:	435,920	263,148	270					
	Biodiversity	Moderate I	Exposure	80-					

	Ranking	,	95%								
	Kaliking	5	Public	Private	Tribal						
	5: High		237,496	271,543	72						
	4		338,519	262,662	342						
2010	3		214,907	195,488	198						
	2		234,974	66,021	36						
	1: Low		131,178	53,556	36						
		Total:	1,157,074	849,269	685						

	4	72,650	64,760	108				
2100	3	38,820	22,752	18				
	2	29,831	20,932					
	1: Low	41,630	10,556					
	Total:	214,763	140,239	144				
	Biodiversity	Moderate Exposure - Consensus						
		C	onsensus					
	Ranking	C Public	onsensus Private	Tribal				
				Tribal 36				
	Ranking	Public	Private					
2070	Ranking 5: High	Public 47,287	Private 19,563	36				
2070	Ranking 5: High 4	Public 47,287 78,505	Private 19,563 46,116	36 180				

Moderate Exposure -

Consensus Public Private Tribal

31,831 21,238 18

Biodiversity Ranking	Moderate Exposure - Consensus									
Natiking	Public	Private	Tribal							
5: High	81,315	55,645	18							
4	97,167	47,305	54							
3	36,010	48,350	162							
2	24,355	4,684								
1: Low	64,670	16,465	36							
Total:	303,518	172,448	270							

Total: 337,510 168,233 5,314

	Biodiversity Ranking	Moderate Exposure 80-95%								
		Public	Private	Tribal						
	5: High	189,075	166,197	72						
	4	268,697	163,891	252						
2010	3	144,941	131,196	198						
	2	154,380	39,252	36						
	1: Low	85,116	30,714	36						
	Total	: 842,208	531,250	594						

Extent = Pit Watershed RCP8.5 area = acres					= Feather Water 5 area = acres	shed			Extent = Up RCP8.5 are	per Trinity Wa a = acres	tershed		Extent = McCloud RCP8.5 area = acre		≥d		Extent = Upper S RCP8.5 area = ac		o Waters	hed
Biodiversity Ranking		ate Expos onsensus	ure -		Biodiversity Ranking		rate Exposi Consensus	ure -		Biodiversity Ranking	Mod Expo:	erate sure -	Biodive Rank		Mode Expos			versity		derate osure -
Kdlikilig	Public	Private	Tribal		Kaliking	Public	Private	Tribal		Kaliking	Public	Private	Ndiik	ing	Public	Private	Ndi	iking	Public	Private
5: High	15,852	11,385	18		5: High	8,953	3,423		5: H	ligh	4,810	3,891	5: High		721	1,189	5: High		1,495	1,351
4	26,445	27,814	108		4	14,627	8,503		4		10,484	4,702	4		11,799	10,232	4		9,295	13,510
2100 3	20,176	13,709	18	2100	3	8,845	5,242		2100 3		6,485	973	2100 3		2,468	2,126	2100 3		847	703
2	15,276	3,188			2	6,845	16,375		2		6,413	252	2		793	793	2		504	324
1: Low	23,526	6,935			1: Low	7,494	2,864		1: L	ow	10,520	198	1: Low		54	108	1: Low		36	450
Tot	al: 101,275	63,031	144		То	tal: 46,764	36,406	0		Total	38,712	10,016		Total:	15,834	14,447		Total	12,177	16,339
Biodiversity		ate Expos	ure -		Biodiversity		rate Expos	ure -		Biodiversity		erate	Biodive	ersity	Mode		Biodi	versity		derate
Ranking		onsensus Private	Tribal		Ranking		Consensus Private	Tribal		Ranking	Expo: Public	sure - Private	Rank	ing	Expos Public		Rai	nking		osure - Private
5: High	35,055	11,223	36		5: High	6,233	5,080		5: H	ligh	4,107	1,441	5: High		829	649	5: High		1,063	1,171
4	40,045	29,723	180		4	25,598	8,701		4		2,000	504	4		4,612	1,225	4		6,251	5,963
2070 3	83,837	58,077	4,053	2070	3	22,914	4,125		2070 3		594	288	2070 3		108	540	2070 3		324	180
2	22,842	17,329	1,009		2	16,843	2,666		2		180	630	2		36	558	2		522	198
1: Low	42,783	10,430	36		1: Low	9,908	6,629		1: L	ow	9,800	252	1: Low		378	522	1: Low		649	126
Tot	al: 224,562	126,782	5,314		То	tal: 81,495	27,201	0		Total	16,681	3,116		Total:	5,963	3,495		Total	8,809	7,638
Biodiversity	Mode	ate Expos	ure -		Biodiversity		rate Expos	ure -		Biodiversity	Mod	erate	Biodive	ersity	Mode	erate	Biodi	versity	Mod	derate
Ranking		onsensus			Ranking		Consensus			Ranking	Expo		Rank	ing .	Expos			nking		osure -
U U	Public		Tribal			Public		Tribal				Private		0	Public			0		Private
5: High	27,615	20,536	18		5: High	18,662	9,151		5: H	ligh	17,942	13,835	5: High		8,142	6,827	5: High		8,953	
4	36,316	20,608	18		4	25,039	9,277	36	4		21,365	6,485	4		8,557	8,322	4		5,891	2,612
2040 3	13,330	35,488	162	2040	5	11,277	8,340		2040 3		2,990	1,081	2040 3		7,188	2,990	2040 3		1,225	
2	16,105	3,261			2	6,287	649		2		432	396	2		1,063	324	2		468	
1: Low	39,325	10,989	36		1: Low	11,547	4,071		1: L	•••	6,971	252	1: Low		1,603	901	1: Low		5,224	252
Tot	al: 132,691	90,881	234		10	tal: 72,813	31,488	36		Total	49,701	22,049		Total:	26,553	19,365		Total	21,761	8,665
Biodiversity	Mode	rate Expo	ure		Biodiversity	Mode	erate Expos	ure		Biodiversity	Mod	erate	Biodive	ersity	Mode	erate	Biodi	versity	Mod	derate
Ranking	Public	Private	Tribal		Ranking	Public	Private	Tribal		Ranking	Public	Private	Rank	ing	Public	Private	Rai	nking	Public	Private
5: High	77,478	71,047	72		5: High	42,225	38,982		5: H	ligh	17,329	8,449	5: High		22,211	22,896	5: High		29,831	24,823
4	84,594	58,581	216		4	109,885	52,637	36	4		17,510	3,675	4		31,615	27,255	4		25,093	21,743
2010 3	61,770	88,323	198	2010	3	54,961	30,065		2010 3		13,853	1,909	2010 3		11,205	8,737	2010 3		3,152	2,162
		18,771	18		2	70,705	18,266	18	2		2,432	721	2		4,666	1,153	2		1,729	342
2	74,848	10,771																		
2 1: Low	74,848 38,568	16,159	36		1: Low	16,393	10,916		1: L	ow	23,724	396	1: Low		3,261	1,747	1: Low		3,170	1,495

Marcine         Marcine <t< th=""><th>Normal Standards         Models         Model         Model         Model         Name of the standard sta</th><th>Name         State         State</th><th></th><th></th><th>Note of colspan="2"&gt;Note of colspan="2"Note of colspan="2"&gt;Note of colspan="2"Note of colspan="</th></t<>	Normal Standards         Models         Model         Model         Model         Name of the standard sta	Name         State			Note of colspan="2">Note of colspan="2"Note of colspan="2">Note of colspan="2"Note of colspan="		
Balancey Interface         Mode: All         Mode: Total         Note (mode)	Buildings         Markets (Markets)         Markets)         Markets) <th markets)<="" th=""> <th markets)<="" th="">         M</th></th>	<th markets)<="" th="">         M</th>	M	Bufferson Description         Bufferson Description         Description Description         Description Description         Description Description         Description Description         Description Description         Description         Descrip         Description         Desc	Buffering Statistics         Medica Statistics         Statistics Statistics         Statistics Statistics         Statistics Statistics         Statistics         Statis         Statistics         Statis	Name         Mark         Mark         Viright         Profile         Status         Mark         Mark	Buildwardsy Buildwa
Balances, Bal	Kularya         Kularya <t< td=""><td>Margin         Margin         Margin&lt;</td><td>Mode:         Mode:         <th< td=""><td></td><td>Mathematy         Mediation         <t< td=""></t<></td></th<></td></t<>	Margin         Margin<	Mode:         Mode: <th< td=""><td></td><td>Mathematy         Mediation         <t< td=""></t<></td></th<>		Mathematy         Mediation         Mediation <t< td=""></t<>		

This is a	westerneda	ry Lable & for bindly	ertity, showing amas	of moderate ex-	essure for single dire	ate models																						
Talent - Dates 1	Budy Area 11	Watersheds also 2	Sim Juffer)		Dates	d - 1 Watersheds					Extend - Pit Watershed				Delevel + 1	Peather Watersh	-		Extent - Gaper Trinity Web	rahed		Interit - McDoud Wate	ribed			Extent - Usper Taxame	to Waterbed	
RCPES area + a	kires.				RCP8	A area - acres					RCPR.3 area - acres					2006 - 699			REPES area - apres			ICPES area-ages				NDM1 area agrees		
Res.	dynaite	Moderate Exposur	w-DUM Moderal	Exposure - MIR	DC	<b>Biodivenity</b>	Moderate	Exposure - CNI	RM Moderate Day		Biodynaity		are - CNRM Mode	ate Exposure - Mil	oc	Bodiversity	Maderate Exposure - I	NRM Moderate Exposure - MROC	Reduction	Moderate Exposure - OURM	Moderate Exposure - MIROC	Redword			ale Exposure - MIRDC	Righterille	Moderate Exposure	
	lanking	Only		Only		Ranking		Only		nly	Ranking	Owly		Cely		Ranking	Only	Daly	Fanking	Only	Only	Ranking			Only	Banking	Cletter Certay	MINOC ONLY
	-	Public Private	Tribel Public	Private Tribal				rives hild		ale Tribal	-	Public Policie		Private Triba			Public Public Tri	tal Public Private Tribal		Public Private	Public Private		Public 1	Nute Public	Private		Public Private	Public Private
5.Hgh		46,431 60,765	34 42,343	37,411 1	26	5 High	41,342			386 126	5.16gb	5,808 20,60			26 5	L High	33,236 23,959	18 2,298 7,079	5. High	90 36	a 3,888 2,094	5. High	72	180	7,079 4,179	5.16(6	36	8,431 9,588
2300		82,141 42,419	89,867		72 210		68,922			,80 72	2300	33,860 23,35			72 2300		44,945 8,429	18,042 12,666	2300 4	793 128	8 3,549 1,513	2100	212	1,041	11,799 9,671	2300 4	126 13	8,475 11,295
1 100		79,964 44,493		188,156 5,7	66 200	· .	63,725			3,404	2400 1	20,012 34,44		1 87,368 3,	os 200 3		21,829 8,891	17,690 6,828	1 1	183	4,007 1,369		1,765	2,800	1,225 1,265	1 1		1,117 1,495
1		55,895 22,499	111,881		192	2	28,866			000 933	2	22,139 14,20		8 10,796	55 <b>2</b>		6,161 2,342	22,878 36,775	2	214 90	1 3,008 1,765	3	414	739	8,877 1,875	2	36 S	1 991 905
1 Low		5,812 2,562	66,505		54	1 Low	2,258	1,295		.771 54	1. Solw	1,829 90			14 3	Libber	360 306	8,071 5,170	1 bits		4,648 304	1 Low	28	36	4,348 2,386	1.6ew		2,450 1,045
	Total.	267,287 172,982	54 590,442	434,683 6,8	C9	24	al 206,152	186,152	54 382,367 281	368 6,811	Tata	1 96,277 93,8	5 36 362,3	8 232,423 6,	11	Tab	4 106,230 36,536	18 64,110 47,809 0	Tetal	1,225 290	4 18,554 7,206	,	dal 2,532	3,296	34,423 25,220	14	ul 198 18	22,463 26,829
									and the locate for									NRM Moderate Insurant - MRIDI			Madazata Tananana - Millior							
	density		w-OUM Moderati		DC	Reducinity	Modecale	Exposure - Chi			Biodvenity		are ONEM Mode		oc .	Bodiversity			Bindversity			Bidweit			ale Exposure - MIRCC	Rindhersity	Moderate Exposure	
	<b>Lanking</b>	Only	NAME AND	ONLY		Ranking		ONY	0		Ranking	Owly	-	Cely Relate Taba		Ranking	Only	Dely La Bubbi Bilada Tabal	Ranking	Ciely	Only Robit: Relation	Ranking	04		Ovly	Ranking	CNMM Only Robbin Relation	MROC Dely
1.190		Public Provide	Tribal Public	Private Telbal 63,623		3150	Public 1 1.871	Private Stibul		ate Tribal	5,000	Public Node				a mark	Public Public Tri 1091 226	670 11.01	5.150	Public Private		3.190	Public I	Nute Public	5.027 2.000	2,000	Public Private	Public Private 10/956 20.322
5. High		2,412 3,112		61,625		5 High	1,801	955		208 36	E High	6.632 7.05			36 5	t High	1,081 236	4,005 10,003 20,075 27,003 10	5. High	18	1,783 1,171 1407 800	5. High			6,819 2,862	5 Hege		10,006 10,122 8,773 8,899
2070				10,118 1	227				112,000 83		2070	2,813 7,02			2072		1,439 1,020	20,076 27,483 54	2012		1,457 865	2270			7,235 2,856	2072		£771 £,890
		28,180 28,643	202,406		09		11,439								75 2				1	18 290	1 881 90	1	1.44	18		1		
2		20,625 17,582 8,382 2,682	10,000		2	2 3 Low	2,716	15,258	88,212 M		2 3.54w	20,834 5,50 2,558 1,60				. Serve	8,225 8,778	30,493 26,427 20,488 6,797	2	72 320	1 324 767	2 1.14w	144	108	1,495 1,851 8,225 1,729	2 3.5ew	144 50	1 686 342 4 6954 1.389
1.000	7444			20,525 2.0							Tria					715		0 113.721 91.100 72		10 10			at 10		1,00 1,00			2108 21.38
	1444	71,338 61,663	0 56066	344,585 2,2	80	54	2 10,744	8,65	0 344(11) 254	(eno 2,000	Tala	1 34,10 34,8	7 0 192,3	8 306,436 1,	17	Tala	4 11,013 20,913	0 113,721 90,193 72	Total	214 134	a 10,114 1,549	,	441. 190	144	28,805 23,540		LA 166 50	1 20,528 21,588
			- COM Indexa			Reduction			and Moderate Day		Reduction		are CARM Mode		-		Mederate Departure - 1	NRM Moderate Departure - MROC	Rindowski,		Mederate Execute - MIROC				ate Exercise - MIRCC	Endbergin	Moderate Depose	Moderate Example -
	dvestly			Dely				Only		nle		Owly		Only		Bodiversity	Driv	Daly		Only	Only	Bodyenit			Driv		CNMM Only	MINOC ONLY
	<b>Lanking</b>	Public Private	Table Bably	Private Tribal		Ranking	NHS 1	1044 TRA	( 140 PM		Ranking	Data Dist	104 P.41			Ranking	Dalla Divide 21	unity Subbit Educate Tailad	Ranking	Dalk Divite	Della Divide	Ranking		No. Andre	Private	Ranking	Public Polyage	Public Private
3.60		18.825 8.197		107AM		3150	10.070	1.90			3,000	1477 14				a minte	1003 500	8.008 21.008 18	5.1545	2.81 2.12		5 190			1473 6.325	2,000	1673 1.17	7.010 2.28
		21.727 7.890		66.352						880 108		185 14					1247 1287	13.925 13.130 14		2.158 3.78	447 558				4335 1.125		101 10	4300 2.68
2010		8.178 10.010		69320	224	•	5.114				2080	2.08 3.75			2043		2338 1.98	14,880 14,192 18	2062	178 188	171 171	2040			1.81 2.10	2063	126	411 141
		3,200 1,927	96.823				2,712		72,204 27	305 30		2.165 8	8 12.3	0 7,814	18 2		305 08	85.652 16.177 18	i	18 28	212 88	1			1.677 105	1	195 8	358 246
1.144		100 6.058	35.675	25.176		1 Low	324	6.103	22,892 11	201	2.5ew	162 6.2	2.1	8 2.702		L Salaw	14 72	6.733 7.116	2.60	14	8.188 262	3 Low		18	6.105 1.055	1.000	18	3.367 728
	7444	32,345 33,325		105.139				28.180		413 270	Tria					749	6 1.722 6.823	0 78,280 78,281 72	Trial	6.233 2.972			dat 1.027		20.002 12.002		ui 2100 140	

This is supplementary table 5 for biodiversity, showing total area in each biodiversity rank

## area = acres

Biodiversity							Upper
Ranking	Study Area	5-Watersheds	Pit	Feather	Upper Trinity	McCloud	Sacramento
5: High	2,386,132	1,759,245	691,935	667,202	145,787	112,461	141,860
4	2,922,588	2,068,690	766,207	776,421	157,604	194,893	173,565
3	2,563,480	1,740,745	1,128,018	440,658	77,604	72,831	21,635
2	1,605,478	1,033,102	659,384	309,660	20,860	34,461	8,737
1: Low	467,265	260,230	129,160	54,528	39,865	16,771	19,905
Total:	9,944,943	6,862,012	3,374,703	2,248,469	441,721	431,417	365,702