

Wildlife and Fisheries

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| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are maintained at or above a sustainable level. | WF-1.1 Project Review Evaluation: Evaluate and disclose potential beneficial and negative impacts to biological integrity of effected terrestrial habitats during project review. | Evaluation: Evaluate and disclose <i>all</i> potential <i>short-term and long-term</i> beneficial and negative impacts to biological integrity of effected terrestrial habitats during project review. In addition, evaluate projects for cumulative Basin-wide negative impacts to biological/ecosystem integrity. | | Modify Code Language so that protections for "wildlife habitat(s)", both terrestrial and aquatic, to specifically include all cover, feeding, breeding, and rearing habitats deemed necessary for a species survival and reproductive success. |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF-1.2 Protect and conserve terrestrial species: protect and actively conserve unique or special habitat types as identified in the regional plan or by state and/or federal regulations for terrestrial species. | Protect, <i>enhance</i> , and conserve terrestrial species: protect, conserve and <i>actively enhance</i> unique or special habitat types as identified in the regional plan or by state and/or federal regulations for terrestrial species. | | |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF-1.3 Invasive and Exotic Species: Forbid and take measures to prevent the release of invasive, exotic or undesirable non-native terrestrial species into the region. Control or eradicate existing populations of these species and take measures to prevent the accidental or intentional release of such species into the region. | | | All projects within the Basin (residential, commercial, conservation, forestry) must have a TRPA approved Weed Control and Management Plan in order for a project to be permitted. TRPA will have the authority to regulate and fine projects for non-compliance of the approved Weed Control and Management Plan. |
| | | | Control invasive species in conjunction with other lake-ward activities when appropriate. | | Require aquatic invasive species control as part of dredging permits. |

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| | | | Create an aquatic invasive species control fund. | | Add fees to boating to fund removal of milfoil and control of other invasive species. |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF-1.4 Effects of domestic animals and livestock: take measures to reduce or eliminate the effects of domestic animals, livestock and pets on native wildlife and vegetation communities. | Effects of domestic animals and livestock: take measures to reduce or eliminate the <i>impacts</i> of domestic animals, livestock and pets on native wildlife, <i>water quality</i> , and vegetation communities. | | Coordinate with public jurisdictions and land agencies to provide decomposable plastic bags and adequate signage Basin-wide to encourage pet owner cleanup. Continue to enforce the existing policies to eliminate livestock grazing in the Lake Tahoe Basin. |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF-1.5 Maintain/enhance terrestrial habitat and ecosystems: maintain or enhance, as appropriate, habitat elements and functional characteristics of terrestrial/ upland ecosystems to provide suitable habitat for a breadth of native and desirable non-native species. | Maintain/enhance terrestrial ecosystems: maintain <i>and</i> enhance terrestrial ecosystem to provide suitable habitat for a <i>high richness</i> of native species. | WF.IMP-1 | |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF -1.6 Movement corridors: restore and/or maintain the spatial and temporal connectivity (movement corridors) within and between watersheds consistent with the expected natural range of variability in the region to provide unobstructed movement for native terrestrial species. | Movement corridors will not be determined by only spatial area, but by their ecological importance of maintaining and enhancing terrestrial species richness. | WF.IMP-1 WF.IMP-2 | Include measures to reduce recreational user impacts to seasonally migrating terrestrial species, including but not limited to seasonal closures of roads and trails in sensitive wildlife corridors. Seasonal closures can include those recreational activities that have substantial impacts to wildlife movements and behaviors including OHV uses. |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF -1.7 Access to human food sources: Prevent wildlife access to garbage and other human related food sources that alter the natural behavior of wildlife species and increase the likelihood of negative human/wildlife interactions.. | | WF.IMP-4 • Work with federal and state agencies and local jurisdictions to implement policies addressing wildlife access to garbage and other human-related food sources. | Require all property owners and retail vendors to provide bear proof trash containers. Non-compliance of these regulations will result in fines for the violator up to \$1000 per incident. Prohibit intention feeding of large mammals. |

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| DC]. | | | | | |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF -1.8 Terrestrial species education programs: integrate natural resource education and interpretive program elements into the design of existing or proposed projects that interface with sensitive wildlife habitats. | Terrestrial species education programs: integrate natural resource education and interpretive program elements into the design of existing or proposed projects that interface with sensitive wildlife habitats. <i>Such education and interpretive program elements will not inhibit the achievement or maintenance of environmental threshold standards.</i> | | Interpretive natural resource education elements will include signage and non-personal interpretation informing recreational users of the biological importance of sensitive habitats (i.e. sensitive plant communities, and wildlife breeding and rearing areas) that must not be disturbed by human use (motorized and non-motorized uses). |
| WF-1 Terrestrial ecosystem integrity: the functional, physical, chemical and biological integrity of the region's terrestrial ecosystem are at a sustainable level [P7 DC]. | | WF -1.9 Watershed conservation plans: Support the development and application of hierarchical and watershed scale conservation plans for natural resource management to guide specific management strategies at regional and local levels. | | | |
| WF-2 Endangered/ special status species: populations of, and environmental conditions and processes important to, native threatened, endangered, rare, special interest or sensitive species are at a sustainable level [P7 DC] | | WF-2.1 Project review evaluation: Evaluate and disclose potential beneficial and negative impacts to special status wildlife and fish species populations and their habitats during project review. | Project review evaluation: Evaluate and disclose all potential <i>short-term and long-term</i> beneficial and negative impacts to special status wildlife and fish species populations and their habitats during project review. | WF.IMP-5 • Modify Code language so that protections for “species populations” are specifically described for populations “in the Tahoe Basin.” This more narrow definition of “population” would increase species protection by decreasing the area for which an impact is being considered in the environmental analysis, thus avoiding dilution of the impact in a larger population. | See IMP-WF 1.1 |

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| <p>WF-2 Endangered/ special status species: populations of, and environmental conditions and processes important to, native threatened, endangered, rare, special interest or sensitive species are at a sustainable level [P7 DC]</p> | <p>Endangered/ special status species: populations of, and environmental conditions and processes important to, native threatened, endangered, rare, special interest or sensitive species are maintained at or above a sustainable level.</p> | <p>WF -2.2 Conservation buffers: conserve and buffer spatially against conflicting land uses and activities endangered, threatened, rare, and special status species and habitat attributes important to fulfill their life history requirements.</p> | | <p>WF.IMP-2 WF.IMP-6:• Add language to the Code regarding non-disturbance zones and Limited Operating Periods for California spotted owl and willow flycatcher that specifically describes the process for establishing and modifying non-disturbance zones for each species. WF.IMP-7: Incorporate a 250 meter nest buffer around each nest site which acts as a minimum distance for establishment of the 500 acre non-disturbance zone. Surrounding each cluster of nest sites would be a 200 acre Protected Activity Center. Further, overlaying each PAC, or multiple activity centers if Goshawk use patterns suggest this is appropriate, a 500 acre Post-fledging Family Area would be established outside of the urban boundary. WF.IMP-8: The protocol for changing non-disturbance zones would follow the PAC guidelines in the 2004 SNFPA which would maintain disturbance zones regardless of occupancy status, and change or remove disturbance zones only after a stand replacing event has rendered the habitat unsuitable. New disturbance zones may be added when surveys indicate a new nesting location. For osprey the non-disturbance zone would be removed once the nest tree was no longer present, but would be reestablished at the new nest location.</p> | <p>WF.IMP-7: When delineating the Protected Activity Center, incorporate a 250 meter nest buffer around each nest site which acts as a minimum distance for establishment of the 500 acre non-disturbance zone (250 m radius will be incorporated within PAC but not drawn on maps in order to protect exact location of nesting site). Surrounding each cluster of nest sites would be a 200 acre Protected Activity Center. Further, overlaying each PAC, or multiple activity centers if Goshawk use patterns suggest this is appropriate, a 500 acre Post-fledging Family Area would be established based on the most suitable habitat, regardless of whether it is located outside of or within the urban boundary.</p> <p>ADD IMP: The urban boundary may not be modified in a way that increases the encroachment or existence of an urban boundary into a protected PAC. Non-urban land uses may not be changed to urban land uses where a protected PAC exists.</p> |
| <p>WF-2 Endangered/ special status species: populations of, and environmental conditions and processes important to, native threatened, endangered, rare, special interest or sensitive species are at a sustainable level [P7 DC]</p> | | <p>WF-2.3 Special status species habitat: Maintain special status species habitat conditions by perpetuating or actively mimicking natural ecological processes at sites determined to support healthy special status species populations.</p> | | <p>WF.IMP-1</p> | |
| <p>WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic</p> | <p>WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are maintained at or above a</p> | <p>WF -3.1 Project review evaluation: evaluate and disclose potential beneficial and negative impacts to biological integrity of effected aquatic habitats during project review.</p> | | | |

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| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.2 Movement corridors: restore and/or maintain the spatial and temporal connectivity (movement corridors) within and between watersheds consistent with the expected natural range of variability in the Tahoe region to provide unobstructed movement for native aquatic species. | | WF.IMP-1 WF.IMP-2 | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF -3.3 in-stream maintenance program: develop and implement an instream maintenance program. | | | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF -3.4 Maintain/enhance aquatic habitat and ecosystems: maintain or enhance, as appropriate, habitat elements and functional characteristics of aquatic/riparian ecosystems to provide suitable habitat for a breadth of native and desirable non-native species. | | WF.IMP-1 | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.5 Mimic natural hydrology: when feasible, restore and maintain instream flows to mimic timing and frequency of natural hydrologic regimes. | | WF.IMP-1 | |

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| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.6 Reintroduction of aquatic species: Support state and federal efforts to reintroduce and maintain self-sustaining populations of special status species such as Lahontan Cutthroat trout in appropriate locations. | | WF.IMP-1 WF.IMP-9 The reintroduction of LCT into the basin is accomplished by working with partners such as the USFWS and USFS | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.7 invasive and exotic species: Forbid and take measures to prevent the release of invasive, exotic or undesirable non-native aquatic species into the region. Control or eradicate existing populations of these species and take measures to prevent the accidental or intentional release of such species into the region. | | WF.IMP-1 | Include inspections measures to prevent invasion of other threats including the spiny waterflea and other invasive/non-native zooplankton species. Expand invasive species protections to include outreach about sport-fishing practices and the potential to spread aquatic invasive species. |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.8 Restoration: When appropriate and feasible, support the fishless restoration of historically fishless aquatic habitats | | WF.IMP-1 | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.9 Aquatic species habitat: protect and actively conserve unique or special habitat types for aquatic species as identified in the regional plan or by state and/or federal regulations. | | WF.IMP-1 | |
| WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level. | | WF-3.10 effects of domestic animals: take measures to reduce or eliminate the effects of domestic animals, livestock and pets on native aquatic communities | | | |

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| <p>WF-3 Aquatic ecosystem integrity the functional, physical, chemical and biological integrity of the basin's aquatic ecosystem are at a sustainable level.</p> | | <p>WF-3.11 Watershed conservation plans: support the development and application of hierarchical and watershed scale conservation plans for natural resource management to guide specific management strategies at regional and local levels.</p> | | | |
| | | | <p>In addition to protecting suitable mule deer fawning sites from degradation, limit anthropogenic disturbances (i.e. noise disturbances, restrict access by domestic dogs, mountain bikes, etc.) during the spring fawning season.</p> <p>New Policy: wildlife habitat restoration projects must include, in appropriate areas, improvements to mule deer cover and foraging habitat types (ecosystem approach).</p> <p>Restrict anthropogenic disturbances within bald eagle nesting areas; include closing motorized and non-motorized access during the nesting season.</p> <p>Protect and restore wetland and riparian habitats within SEZ urban areas.</p> <p>Limit anthropogenic disturbances (i.e. motorized recreation; dog access; mountain bikes, etc.) within prime waterfowl nesting, roosting, and feeding habitats.</p> <p>Examples: relocate where feasible trails and roads from sensitive wildlife habitat to reduce wildlife disturbances.</p> <p>Within lake habitats protect and or limit nearshore zones identified as prime waterfowl habitat from motorized boat impacts (i.e. restrict</p> | | <p>Deer population numbers in the vicinity of the Tahoe region have been decreasing over time. TRPA's threshold (1986) identifies that meadows shall be protected as fawning habitat.</p> <p><i>Problem: Threshold does not specifically identify coverage, and foraging habitat as needing special protection.</i></p> |

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| | | | access, enforce no-wake zones, establish noise reduction limits, etc.) | | |
| | | <i>NEW VG-5.4 Landscaping with native vegetation: promote the use of native, water efficient, nutrient efficient, fire resistant, and non-invasive vegetation in urban landscapes.</i> | | VG.IMP-14 Develop a numerical measurement system to evaluate vegetation on a per parcel basis. The system would need to consider defensible space, watershed protection, privacy screening, deviation from natural vegetation condition, etc. Establish a numerical level below which a parcel's vegetation is considered out of compliance and is required to be restored to acceptable levels. VG.IMP-15 Restrict use of pesticides, herbicides, and fertilizers by homeowners. VG.IMP-16 Require landscapers, public agencies, developers, and plant vendors to use or sell only locally sourced native vegetation and plants appropriate for each site. | |
| | | | Focus on native aquatic species. Rehabilitate benthic invertebrate populations in Lake Tahoe, rehabilitate yellow legged frog populations and Lahontan Cutthroat trout to Basin water bodies and streams. Evaluate needs to protect or restore other native species in decline | | Monitor native species population; coordinate with other public agencies to reduce impacts of non-native species on native species and ecosystems. Establish protection areas for benthic invertebrates. |
| | | | Protect and restore chara beds in the Lake Tahoe Basin. | | Coordinate with public land agencies to include Chara bed restoration in SEZ restoration projects. Monitor and identify chara beds in need of protection. |

*Alternative 4 policy statements were prepared with the best publically available information from the TRPA and some of the information may be out-of-date. Additionally, according to TRPA staff, some details are lacking in Alternative 4 that may have been fully developed in Alternative 2.

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**Similar to any RPU alternative, the Conservation Alternative needs to be subjected to the same rigorous environmental analysis to determine if its policies and implementation measures are sufficient for ETCC achievement and maintenance.

Italics identify policy or implementation that were revised as part of the Milestone process – it is unclear from the documents provided if the changes are in reference to Alt 2 or both Alt 2 and Alt 4.