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# **TRPA Regional Plan Update**

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## **Wildlife and Fisheries Goals, Policies, and Implementation Strategies**

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January 27, 2010

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## Alternative 1 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

<b>Alternative 1 -- WILDLIFE AND FISHERIES</b> <b>(Alternative 1 continues the Goals, Policies and Implementation Measures of the current Regional Plan except for the following modifications listed below)</b>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
1.10.2 Wildlife and Fisheries/ T. Thayer	NONE	W1 MAINTAIN SUITABLE HABITATS FOR ALL INDIGENOUS SPECIES OF WILDLIFE WITHOUT PREFERENCE TO GAME OR NON-GAME SPECIES THROUGH MAINTENANCE OF HABITAT DIVERSITY.	NONE	U	N/A	NONE	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.	N	New policy for aquatic habitats. Policy includes stronger language such as “eradication” and also increases protection by explicitly including accidental as well as intentional release.	WF.IMP-1 Policy guides implementation of projects through the EIP

## Alternative 2 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

Alternative 2 -- WILDLIFE AND FISHERIES										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1: Biological Integrity of Terrestrial Ecosystems The functional, physical, chemical and biological integrity of the Basin's terrestrial ecosystem are maintained at or above a sustainable level.	W1 MAINTAIN SUITABLE HABITATS FOR ALL INDIGENOUS SPECIES OF WILDLIFE WITHOUT PREFERENCE TO GAME OR NON-GAME SPECIES THROUGH MAINTENANCE OF HABITAT DIVERSITY.	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].	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	W1.1 ALL PROPOSED ACTIONS SHALL CONSIDER IMPACTS TO WILDLIFE.	WF-1.1 PROJECT REVIEW EVALUATION: EVALUATE AND DISCLOSE POTENTIAL BENEFICIAL AND NEGATIVE IMPACTS TO BIOLOGICAL INTEGRITY OF EFFECTED TERRESTRIAL HABITATS DURING PROJECT REVIEW.	A	This change reflects the need to increase protection for wildlife by assessing impacts to the integrity of habitats rather than the generic "to wildlife". Also this change reflects the change in language to the above goal statement.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language	W2 RIPARIAN VEGETATION SHALL BE PROTECTED AND MANAGED FOR WILDLIFE	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	A	This change provides protection to a greater breadth of habitat types used by wildlife than the previous policy which was focused exclusively on riparian	WF.IMP-1 WF.IMP-2 Add new language to subsection that details how direct and indirect effects would be determined based on project vicinity to significant habitat (inside 100ft) based on evaluation of vegetation maps and if needed field habitat evaluation by TRPA

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					also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.		AND/OR FEDERAL REGULATIONS FOR TERRESTRIAL SPECIES.		vegetation.	biologist or designee. Require mitigation of impacted habitat at a rate of 2:1 to 4:1 based on habitat quality.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	W1.3 NON -NATIVE WILDLIFE AND EXOTIC SPECIES SHALL BE CONTROLLED AND RELEASE OF SUCH ANIMALS INTO THE WILD IS FORBIDDEN.	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.	A	Updated policy includes stronger language such as “eradication” and also increases protection by explicitly including accidental as well as intentional release.	WF.IMP-3 • Prohibit the release of terrestrial exotic and invasive species, using language similar to that currently found in Chapter 79.3 that prohibits the release of aquatic exotic and invasive species.

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1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	W1.4 DOMESTIC ANIMALS AND PETS SHALL BE CONTROLLED AND APPROPRIATELY CONTAINED	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.	A	Update of language provides better protection by including that measures need to be taken to reduce or eliminate their effects even when contained.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also	NONE	WF-1.5 MAINTAIN/ ENHANCE TERRESTRIAL HABITAT AND ECOSYSTEMS: MAINTAIN OR ENHANCE, AS APPROPRIATE, HABITAT ELEMENTS AND FUNCTIONAL CHARACTERISTICS OF TERRESTRIAL/ UPLAND	N	This policy acts to support regulation that requires key habitat components such as logs and snags are maintained at levels that support terrestrial species.	WF.IMP-1

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					includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.		ECOSYSTEMS TO PROVIDE SUITABLE HABITAT FOR A BREADTH OF NATIVE AND DESIRABLE NON-NATIVE SPECIES.			
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	NONE	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.	N	This policy addresses the need for connectivity within and between habitats and is the basis for incorporating these concepts into project design	WF.IMP-1 WF.IMP-2

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1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	NONE	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..	N	This policy provides guidance to TRPA and other agencies to expand efforts to address the issue of garbage and wildlife.	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.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also	NONE	WF-1.8 TERRESTRIAL SPECIES EDUCATION PROGRAMS: INTEGRATE NATURAL RESOURCE EDUCATION AND INTERPRETIVE PROGRAM ELEMENTS INTO THE DESIGN OF EXISTING OR	N	This policy provides guidance to adopt a more expansive policy of public education regarding wildlife.	

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					includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.		PROPOSED PROJECTS THAT INTERFACE WITH SENSITIVE WILDLIFE HABITATS.			
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	NONE	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.	N	This policy addresses the need for the formalization of coordination in conservation efforts. These efforts have already begun in a less formal way, such as the Upper Truckee Group which is coordinating projects in the lower portion of that watershed.	



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1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-2: Sustainability of Special Interest 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.	W2 PRESERVE, ENHANCE, AND, WHERE FEASIBLE, EXPAND HABITATS ESSENTIAL FOR THREATENED, ENDANGERED, RARE, OR SENSITIVE SPECIES FOUND IN THE BASIN.	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]	A	This language matches the desired condition from the P7 process. The goal includes expands on the idea of habitats to include populations of these species. Additional language includes the idea that populations of these species need to be maintained at a sustainable level.	NONE	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.	N	Adds same project review language to this goal as applied under goal #1	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.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-2	W2	WF-2	A	This language matches the desired condition from the P7 process. The goal includes expands on the idea of habitats to include	W2.2 ENDANGERED , THREATENED, RARE, AND SPECIAL INTEREST SPECIES SHALL BE PROTECTED AND BUFFERED AGAINST CONFLICTING LAND USES.	WF-2.2 CONSERVATION BUFFERS: CONSERVE AND BUFFER SPATIALLY AGAINST CONFLICTING LAND USES AND ACTIVITIES ENDANGERED, THREATENED, RARE, AND SPECIAL STATUS	A	This change increases protection by including habitat elements and temporally protection. Provides the basis for regulation incorporating limited operating periods for	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-

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					populations of these species. Additional language includes the idea that populations of these species need to be maintained at a sustainable level.		SPECIES AND HABITAT ATTRIBUTES IMPORTANT TO FULFILL THEIR LIFE HISTORY REQUIREMENTS.		projects that may effect special status species.	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-

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										disturbance zone would be removed once the nest tree was no longer present, but would be reestablished at the new nest location.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-2	W2	WF-2	A	This language matches the desired condition from the P7 process. The goal includes expands on the idea of habitats to include populations of these species. Additional language includes the idea that populations of these species need to be maintained at a sustainable level.	NONE	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.	N	Provides guidance for projects to manage existing population sites of special status species.	WF.IMP-1
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3 Biological Integrity of Aquatic Ecosystems	F1 IMPROVE AQUATIC HABITAT ESSENTIAL FOR	WF-3 AQUATIC ECOSYSTEM INTEGRITY THE	A	This change reflects the desired condition for aquatic habitats that	F1.1 DEVELOPMENT PROPOSALS AFFECTING STREAMS, LAKES AND ADJACENT LANDS SHALL	WF-3.1 PROJECT REVIEW EVALUATION: EVALUATE AND DISCLOSE POTENTIAL	A	This change expands protection by including not only the fishery but the integrity	

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	The functional, physical, chemical and biological integrity of the Basin's aquatic ecosystem are maintained at or above a sustainable level.	THE GROWTH, REPRODUCTION, AND PERPETUATION OF EXISTING AND THREATENED FISH RESOURCES IN THE LAKE TAHOE BASIN.	FUNCTIONAL, PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF THE BASIN'S AQUATIC ECOSYSTEM ARE AT A SUSTAINABLE LEVEL		was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	EVALUATE IMPACTS TO THE FISHERY.	BENEFICIAL AND NEGATIVE IMPACTS TO BIOLOGICAL INTEGRITY OF EFFECTED AQUATIC HABITATS DURING PROJECT REVIEW.		of the aquatic habitat as a whole.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic	NONE	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	N	This change expands protection beyond fish passage issues to include issues of connectivity for all native aquatic species.	WF.IMP-1 WF.IMP-2

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					species and the ecosystem as a whole.		SPECIES.			
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	F1.2 UNNATURAL BLOCKAGES AND OTHER IMPEDIMENTS TO FISH MOVEMENT WILL BE PROHIBITED AND REMOVED WHEREVER APPROPRIATE	Deleted	D		
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal	F1.3 AN INSTREAM MAINTENANCE PROGRAM SHOULD BE DEVELOPED AND IMPLEMENTED.	WF-3.3 IN-STREAM MAINTENANCE PROGRAM: DEVELOP AND IMPLEMENT AN INSTREAM MAINTENANCE PROGRAM.	A		

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					provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.					
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	F1.4 STANDARDS FOR BOATING ACTIVITY SHALL BE ESTABLISHED FOR THE SHALLOW ZONE OF LAKE TAHOE	Deleted	D	Research conducted in Lake Tahoe in the 1990's showed that boating has no effect on the fishery of Lake Tahoe. The other impacts addressed in this paragraph such as impacts to recreation are better addressed elsewhere.	

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1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	F1.5 HABITAT IMPROVEMENT PROJECTS ARE ACCEPTABLE PRACTICES IN STREAMS AND LAKES.	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.	A	Previous policy replaced by this expanded policy which emphasizes enhancing aquatic ecosystems.	WF.IMP-1
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing	F1.6 INSTREAM FLOWS SHALL BE REGULATED, WHEN FEASIBLE, TO MAINTAIN FISHERY VALUES.	WF-3.5 MIMIC NATURAL HYDROLOGY: WHEN FEASIBLE, RESTORE AND MAINTAIN INSTREAM FLOWS TO MIMIC TIMING AND FREQUENCY OF NATURAL HYDROLOGIC REGIMES.	A	This shift in emphasis from fisheries to natural flows will provide more natural stream habitats within the Basin.	WF.IMP-1

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					from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.					
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	F1.7 EXISTING POINTS OF WATER DIVERSION FROM STREAMS SHALL BE TRANSFERRED TO THE LAKE, WHENEVER FEASIBLE, TO HELP PROTECT INSTREAM BENEFICIAL USES.	Deleted	D	This policy is redundant with the changes to poly 6 above. In order to restore and maintain the natural timing and frequency of stream flows, diversions in streams will need to be limited.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for	F1.8 SUPPORT, IN RESPONSE TO JUSTIFIABLE	WF-3.6 REINTRODUCTION OF AQUATIC SPECIES:	A	Changes to this policy reflect the increased knowledge with	WF.IMP-1 WF.IMP-9 The reintroduction of LCT into the basin is



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					aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	EVIDENCE, STATE AND FEDERAL EFFORTS TO REINTRODUCE LAHONTAN CUTTHROAT TROUT IN APPROPRIATE REMOTE LOCATIONS.	SUPPORT STATE AND FEDERAL EFFORTS TO REINTRODUCE AND MAINTAIN SELF-SUSTAINING POPULATIONS OF SPECIAL STATUS SPECIES SUCH AS LAHONTAN CUTTHROAT TROUT IN APPROPRIATE LOCATIONS.		regard to lahontan cutthroat. The inclusion of "self-sustaining" to the policy raises the bar beyond reintroduction. Language is has also been added to include other species as appropriate. The policy would be moved under the special status species goal with the combining of wildlife and fisheries sections.	accomplished by working with partners such as the USFWS and USFS
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability	F1.9 THE WATER LEVEL IN LAKE TAHOE SHOULD BE CONTROLLED TO REFLECT CONDITIONS THAT MIGHT BE EXPECTED WITH SEASONAL WEATHER AND WATER RUNOFF PATTERNS	Deleted	D	The water level in Lake Tahoe is determined by the TROA and not the TRPA.	

## Alternative 2 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

Alternative 2 -- WILDLIFE AND FISHERIES										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					for all aquatic species and the ecosystem as a whole.					
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	NONE	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.	N	New policy for aquatic habitats. Policy includes stronger language such as “eradication” and also increases protection by explicitly including accidental as well as intentional release.	WF.IMP-1
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7	NONE	WF-3.8 RESTORATION: WHEN APPROPRIATE AND FEASIBLE, SUPPORT THE FISHLESS RESTORATION OF HISTORICALLY	N	New policy that increases protection and addresses the impacts introduced fishes on native amphibian	WF.IMP-1

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					process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.		FISHLESS AQUATIC HABITATS		populations.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem	NONE	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.	N	Similar to policy for terrestrial habitats. Includes riparian vegetation as well as wetlands, chara beds and other unique habitats for aquatic species.	WF.IMP-1

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Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					as a whole.					
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.	NONE	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	N	Update of language provides better protection by including that measures need to be taken to reduce or eliminate their effects even when contained.	
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-3	F1	WF-3	A	This change reflects the desired condition for aquatic habitats that was produced by the P7 process. This goal provides greater protection by	NONE	WF-3.11 WATERSHEAD CONSERVATION PLANS: SUPPORT THE DEVELOPMENT AND APPLICATION OF HIERARCHICAL AND WATERSHED SCALE CONSERVATION PLANS FOR NATURAL RESOURCE	N	Same as wf-1-9 applied to aquatic habitats.	

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Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					changing from solely a fishery based goal to a goal of sustainability for all aquatic species and the ecosystem as a whole.		MANAGEMENT TO GUIDE SPECIFIC MANAGEMENT STRATEGIES AT REGIONAL AND LOCAL LEVELS.			

## Alternative 3 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

<b>Alternative 3 -- WILDLIFE AND FISHERIES</b> <b>(Alternative 3 continues the Goals, Policies, and Implementation Measures of Alternative 1)</b>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures

## Alternative 4 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

Alternative 4 -- WILDLIFE AND FISHERIES (same as Alternative 2 except for the following modification/additions)										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-2: Sustainability of Special Interest 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.	W2 PRESERVE, ENHANCE, AND, WHERE FEASIBLE, EXPAND HABITATS ESSENTIAL FOR THREATENED, ENDANGERED, RARE, OR SENSITIVE SPECIES FOUND IN THE BASIN.	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]	A	This language matches the desired condition from the P7 process. The goal includes expands on the idea of habitats to include populations of these species. Additional language includes the idea that populations of these species need to be maintained at a sustainable level.	W2.2 ENDANGERED , THREATENED, RARE, AND SPECIAL INTEREST SPECIES SHALL BE PROTECTED AND BUFFERED AGAINST CONFLICTING LAND USES.	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.	A	This change increases protection by including habitat elements and temporally protection. Provides the basis for regulation incorporating limited operating periods for projects that may affect special status species.	WF.IMP-10 • Extend the non-disturbance zone for northern goshawk to undeveloped parcels containing suitable postfledging and nesting habitat in urban areas that border suitable postfledging and nesting habitat on nonurban lands. WF.IMP-11• Modify the new Code language regarding willow flycatcher proposed under Alternative 2 to extend the non-disturbance zone protection to suitable habitats within urban areas. WF.IMP-12• Retain existing non-disturbance zones for northern goshawk and expand them so as to include the additional area (based on best available nesting and postfledging habitat) already cited in Alternative 2.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1: Biological Integrity of Terrestrial Ecosystems	W1 MAINTAIN SUITABLE HABITATS FOR ALL	WF-1 TERRESTRIAL ECOSYSTEM INTEGRITY: THE	A	This change reflects the desired condition produced by the P7	W1.2 RIPARIAN VEGETATION SHALL BE PROTECTED AND MANAGED	WF-1.2 PROTECT AND CONSERVE TERRESTRIAL SPECIES: PROTECT AND	A	This change provides protection to a greater breadth of habitat types used by wildlife than	WF.IMP-1 WF.IMP-13 • Modify language to the Code regarding direct and indirect impacts to the habitats of special

## Alternative 4 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies

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	The functional, physical, chemical and biological integrity of the Basin's terrestrial ecosystem are maintained at or above a sustainable level.	INDIGENOUS SPECIES OF WILDLIFE WITHOUT PREFERENCE TO GAME OR NON-GAME SPECIES THROUGH MAINTENANCE OF HABITAT DIVERSITY.	FUNCTIONAL, PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF THE REGION'S TERRESTRIAL ECOSYSTEM ARE AT A SUSTAINABLE LEVEL [P7 DC].		process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused exclusively on wildlife habitat.	FOR WILDLIFE	ACTIVELY CONSERVE UNIQUE OR SPECIAL HABITAT TYPES AS IDENTIFIED IN THE REGIONAL PLAN OR BY STATE AND/OR FEDERAL REGULATIONS FOR TERRESTRIAL SPECIES.		the previous policy which was focused exclusively on riparian vegetation.	significance Threshold as proposed under Alternative 2 to require mitigation of impacted habitats of special significance Threshold at a rate of 4:1.
1.10.2 Wildlife and Fisheries/ T. Thayer	WF.DC-1	W1	WF-1	A	This change reflects the desired condition produced by the P7 process. To keep the original goal would be redundant. This language also includes sustainability of the terrestrial ecosystem which is an expansion of the previous goal which focused	NONE	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.	N	This policy provides guidance to TRPA and other agencies to expand efforts to address the issue of garbage and wildlife.	WF.IMP-14 • Add language to the Code mandating installation of animal-resistant containers for garbage, grease, and other wastes that may attract wildlife.



**Alternative 4 – Wildlife and Fisheries Goals, Policies, and Implementation Strategies**

<p style="text-align: center;"><b>Alternative 4 -- WILDLIFE AND FISHERIES</b>                      (same as Alternative 2 except for the following modification/additions)</p>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					exclusively on wildlife habitat.					