

**ATTACHMENT D:**  
**Threshold Indicators and Compliance Measures Tables**

**ATTACHMENT D 1:  
Threshold Indicators Table**

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
1	Air Quality	Carbon Monoxide (CO)	8-hour Carbon Monoxide	Considerably Better Than Target	Moderate Improvement	Moderate	Maintain carbon monoxide concentrations at or below 6 parts per million (7 mg/m <sup>3</sup> ) averaged over 8 hours.	First and second highest CO concentration measured at Stateline, NV monitoring station	Parts Per Million (ppm)	2015 Threshold Evaluation
2	Air Quality	Carbon Monoxide (CO)	1-hour Carbon Monoxide	Considerably Better Than Target	Moderate Improvement	Moderate	No Adopted Standard - State standard	Highest CO concentration measured at Stateline, NV monitoring station	Parts Per Million (ppm)	2015 Threshold Evaluation
3	Air Quality	Carbon Monoxide (CO)	Winter Traffic Volume	Considerably Better Than Target	Moderate Improvement	Moderate	Reduce traffic volumes on the U.S. 50 Corridor by 7 percent during the winter from the 1981 base year between 4:00 p.m. and 12:00 midnight, provided that those traffic volumes shall be amended as necessary to meet the respective state standards.	Percent increase/decrease from 1981 winter (December through March) traffic volumes enumerated on Highway 50 at Park Avenue	Percent (%)	2015 Threshold Evaluation
4	Air Quality	Ozone (O <sub>3</sub> )	1-hour Ozone	At or Somewhat Better Than Target	Moderate Improvement	High	Maintain ozone concentrations at or below 0.08 parts per million averaged over 1 hour.	Highest 1-hour average ozone concentration measured within a year at any monitoring station	Parts Per Million (ppm)	2015 Threshold Evaluation
5	Air Quality	Ozone (O <sub>3</sub> )	8-hour Ozone	Somewhat Worse Than Target	Moderate Improvement	High	No Adopted Standard - State standard	Highest 8-hour average ozone concentration measured within a year at any monitoring station	Parts Per Million (ppm)	2015 Threshold Evaluation
6	Air Quality	Ozone (O <sub>3</sub> )	Oxides of Nitrogen	Considerably Better Than Target	Moderate Improvement	Moderate	Maintain oxides of nitrogen (NO <sub>x</sub> ) emissions at or below the 1981 level.	Nitrogen Dioxide Annual Average	Parts Per Billion (ppb)	2015 Threshold Evaluation
7	Air Quality	Ozone (O <sub>3</sub> )	Ozone 3-year Average	At or Somewhat Better Than Target	Moderate Improvement	Moderate	Federal: The 3-year average of the 4th-highest daily maximum must not exceed concentration standard of 0.075 ppm.	3-year average of the 4th-highest daily maximum ozone concentration in parts per million (ppm) at any monitoring location.	Parts Per Billion (ppb)	2015 Threshold Evaluation
8	Air Quality	Ozone (O <sub>3</sub> )	Ozone highest one-hour concentration	Considerably Better Than Target	Moderate Improvement	Moderate	California: highest one-hour, not to exceed 0.18 ppm; Nevada/Federal: highest one-hour NO <sub>2</sub> concentration not to exceed 0.10 ppm.	highest one hour NO <sub>2</sub> concentration	Parts Per Million (ppm)	2015 Threshold Evaluation
9	Air Quality	Ozone (O <sub>3</sub> )	Ozone Annual concentration	Considerably Better Than Target	Little or No Change	Moderate	California: Annual average NO <sub>2</sub> concentration not to exceed 0.030 ppm,	annual average NO <sub>2</sub> concentration	Parts Per Million (ppm)	2015 Threshold Evaluation
10	Air Quality	Regional Visibility	Bliss State Park 50%	At or Somewhat Better Than Target	Little or No Change	Moderate	Achieve an extinction coefficient of 25 Mm <sup>-1</sup> at least 50 percent of the time as calculated from aerosol species concentrations measured at the Bliss State Park monitoring site (visual range of 156 km, 97 miles); Calculations will be made on three year running periods using the existing 1991-1993 monitoring data as the performance standards to be met or exceeded.	Extinction coefficient and distance of visibility	Light extinction (Mm <sup>-1</sup> ) and Miles or Kilometers	2015 Threshold Evaluation
11	Air Quality	Regional Visibility	Bliss State Park 90%	At or Somewhat Better Than Target	Little or No Change	Moderate	Achieve an extinction coefficient of 34 Mm <sup>-1</sup> at least 90 percent of the time as calculated from aerosol species concentrations measured at the Bliss State Park monitoring site (visual range of 115 km, 71 miles). Calculations will be made on three year running periods using the existing 1991-1993 monitoring data as the performance standards to be met or exceeded.	Extinction coefficient and distance of visibility	Light extinction (Mm <sup>-1</sup> ) and Miles or Kilometers	2015 Threshold Evaluation
12	Air Quality	Sub-Regional Visibility	South Lake 50%	No status determination	Insufficient Data to Determine Trend	N/A	Achieve an extinction coefficient of 50 Mm <sup>-1</sup> at least 50 percent of the time as calculated from aerosol species concentrations measured at the South Lake Tahoe monitoring site (visual range of 78 km, 48 miles); Calculations will be made on three year running periods. Beginning with the existing 1991-93 monitoring data as the performance standards to be met or exceeded.)	Extinction coefficient and distance of visibility	Light extinction (Mm <sup>-1</sup> ) and Miles or Kilometers	2015 Threshold Evaluation

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13	Air Quality	Sub-Regional Visibility	South Lake 90%	No status determination	Insufficient Data to Determine Trend	N/A	Achieve an extinction coefficient of 125 Mm <sup>-1</sup> at least 90 percent of the time as calculated from aerosol species concentrations measured at the South Lake Tahoe monitoring site (visual range of 31 km, 19 miles). Calculations will be made on three year running periods. Beginning with the existing 1991-93 monitoring data as the performance standards to be met or exceeded.)	Extinction coefficient and distance of visibility	Light extinction (Mm <sup>-1</sup> ) and Miles or Kilometers	2015 Threshold Evaluation
14	Air Quality	Respirable and Fine Particulate Matter	PM10 24-hour	Somewhat Worse Than Target	Little or No Change	Moderate	Maintain Particulate Matter <sub>10</sub> at or below 50µg/m <sup>3</sup> measured over a 24-hour period using gravimetric or beta attenuation methods or any equivalent procedure which can be shown to provide equivalent results at or near the level of air quality standard.	Highest 24 hour PM <sub>10</sub> Concentrations	microgram/cubic meter (ug/m <sup>3</sup> )	2015 Threshold Evaluation
15	Air Quality	Respirable and Fine Particulate Matter	PM10 Annual Average	Considerably Better Than Target	Moderate Improvement	Moderate	Maintain Particulate Matter <sub>10</sub> at or below annual arithmetic average of 20µg/m <sup>3</sup> using gravimetric or beta attenuation methods or any equivalent procedure which can be shown to provide equivalent results at or near the level of air quality standard.	Annual Average Concentration of PM <sub>10</sub>	micrograms/cubic meter (ug/m <sup>3</sup> )	2015 Threshold Evaluation
16	Air Quality	Respirable and Fine Particulate Matter	PM2.5 24-hour	At or Somewhat Better Than Target	Little or No Change	Moderate	Maintain Particulate Matter <sub>2.5</sub> at or below 35µg/m <sup>3</sup> measured over a 24-hour period using gravimetric or beta attenuation methods or any equivalent procedure which can be shown to provide equivalent results at or near the level of air quality standard.	24-hour PM <sub>2.5</sub> Concentration	micrograms/cubic meter (ug/m <sup>3</sup> )	2015 Threshold Evaluation
17	Air Quality	Respirable and Fine Particulate Matter	PM2.5 Annual Average	Considerably Better Than Target	Little or No Change	Moderate	Maintain Particulate Matter <sub>2.5</sub> at or below annual arithmetic average of 12µg/m <sup>3</sup> using gravimetric or beta attenuation methods or any equivalent procedure which can be shown to provide equivalent results at or near the level of air quality standard.	Annual Average Concentration of PM <sub>2.5</sub>	microgram/cubic meter (ug/m <sup>3</sup> )	2015 Threshold Evaluation
18	Air Quality	Nitrate Deposition	Vehicle Miles Traveled	At or Somewhat Better Than Target	Moderate Improvement	Moderate	Reduce vehicle miles of travel in the Basin by 10% of the 1981 base year values	Percent increase/decrease in vehicle miles travel from 1981 levels. Indicator values estimated from peak summer traffic volume data multiplied by a constant of 3.42.	Percent (%)	2015 Threshold Evaluation
19	Air Quality	Nitrate Deposition	Nitrate Deposition	Implemented	N/A	N/A	Reduce the transport of nitrates into the Basin and reduce oxides of nitrogen (NOx) produced in the Basin consistent with the water quality thresholds.	Implementation of management standard into the Regional Plan	N/A	2015 Threshold Evaluation
20	Air Quality	Odor	Odor	Implemented	N/A	N/A	It is the policy of the TRPA Governing Board in the development of the Regional Plan to reduce fumes from diesel engines to the extent possible.	Implementation of policy statement into the Regional Plan	N/A	2015 Threshold Evaluation
<b>Impact of Project on Air Quality Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan EIS analyzed potential impacts to air quality and found no significant affect or change to the federal, state, or local air and water quality standards applicable to the Region. As disclosed in the Draft EIS (Chapters 6 and 10), these standards were used as criteria of significance where applicable and no unmitigable impacts were found. Because long-term operational emissions associated with the Shoreline Plan will decrease, the Shoreline Plan would support continued achievement and maintenance of air quality thresholds. Because the Shoreline Plan is consistent with the RTP, and the VMT threshold standard is maintained through monitoring and controlled release of commodity allocations, the Shoreline Plan will be consistent maintenance of the nitrate deposition threshold. The Shoreline Plan EIS also evaluated the impacts related to Greenhouse Gas Emissions. While the analysis found that impacts related to GHG would be significant and unavoidable, there is no specific threshold indicator that would be affected. The Shoreline Plan includes a commitment to develop and implement a Greenhouse Gas (GHG) reduction policy (as required in Mitigation Measure 11-1). This GHG reduction policy would result in secondary benefits related to the reduction of CO, ozone, PM, and nitrate emissions that would contribute to the maintenance and accelerate attainment of for air quality thresholds. Measures that reduce GHG emissions, would also reduce emissions of NOx, PM, and Ozone, and would contribute to the maintenance and accelerated attainment of these thresholds.						
<b>WATER QUALITY</b>										
21	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic nitrogen loading	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen (N) loading from all sources by 25 percent of the 1973-81 annual average.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation

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22	Water Quality	Deep Water (Pelagic) Lake Tahoe	Annual Average Secchi Disk	Somewhat Worse Than Target	Little or No Change	Moderate	The annual average deep water (pelagic) transparency as measured by Secchi disk shall not be decreased below 29.7 meters (97.4 feet), the average levels recorded between 1967 and 1971 by the University of California, Davis.	Secchi disc depth	Meters (m)	2015 Threshold Evaluation
23	Water Quality	Deep Water (Pelagic) Lake Tahoe	Vertical Extinction Coefficient	At or Somewhat Better Than Target	Little or No Change	Moderate	No Adopted Standard - State standard	Vertical Extinction Coefficient	The percentage of the light absorbed or scattered in a meter-long vertical column of water	2015 Threshold Evaluation
24	Water Quality	Deep Water (Pelagic) Lake Tahoe	Primary Productivity	Considerably Worse Than Target	Rapid Decline	High	Maintain annual mean phytoplankton primary productivity at or below: 52gmC/m2/yr.	grams Carbon/m2/yr.	grams/m2/yr.	2015 Threshold Evaluation
25	Water Quality	Deep Water (Pelagic) Lake Tahoe	Recognition of Threshold Standard exceedance	Implemented	N/A	N/A	This threshold is currently being exceeded and will likely continue to be exceeded until some time after full implementation of the loading reductions prescribed by the thresholds.	N/A	N/A	2015 Threshold Evaluation
26	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic phosphorus loading - pp & clarity	No status determination	N/A	N/A	Reduce the loading of dissolved phosphorus, iron, and other algal nutrients from all sources as required to achieve ambient standards for primary productivity and transparency	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
27	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic nitrogen loading - pp & clarity	No status determination	N/A	N/A	Reduce the loading of dissolved phosphorus, iron, and other algal nutrients from all sources as required to achieve ambient standards for primary productivity and transparency	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
28	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic iron loading - pp & clarity	No status determination	N/A	N/A	Reduce the loading of dissolved phosphorus, iron, and other algal nutrients from all sources as required to achieve ambient standards for primary productivity and transparency	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
29	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic nitrogen loading surface runoff	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out-of basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen loadings to the Lake Tahoe Region	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
30	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic nitrogen loading groundwater	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out-of basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation

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31	Water Quality	Deep Water (Pelagic) Lake Tahoe	Pelagic nitrogen loading atmospheric sources	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out-of basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
32	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral Total DIN Loading	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loading to Lake Tahoe from all sources by 25 percent of the 1973-81 annual average.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
33	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral nitrogen loading surface runoff	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out of Basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen loadings to the Lake Tahoe Region.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
34	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral nitrogen loading groundwater	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out of Basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen loadings to the Lake Tahoe Region.	Metric tons of DIN/year	MT/year	2015 Threshold Evaluation
35	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral nitrogen loading atmospheric sources	No status determination	N/A	N/A	Reduce dissolved inorganic nitrogen loads from surface runoff by approximately 50 percent, from groundwater approximately 30 percent, and from atmospheric sources approximately 20 percent of the 1973-81 annual average. This threshold relies on predicted reductions in pollutant loadings from out-of-basin sources as part of the total pollutant loading reduction necessary to attain environmental standards, even though the Agency has no direct control over out of Basin sources. The cooperation of the states of California and Nevada will be required to control sources of air pollution which contribute nitrogen loadings to the Lake Tahoe Region.	Metric tons of nutrients loaded via rain and snow deposition ("wet deposition") at Ward Creek site per year from atmospheric sources	g/hectare/year or MT/year	2015 Threshold Evaluation
36	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral Turbidity - stream zone	At or Somewhat Better Than Target	Insufficient Data to Determine Trend	Moderate	Decrease sediment load as required to attain turbidity values not to exceed three NTU. In addition, turbidity shall not exceed one NTU in shallow waters of the Lake not directly influenced by stream discharges.	Turbidity	Nephelometric Turbidity Unit (NTU)	2015 Threshold Evaluation
37	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral Turbidity - non-stream	At or Somewhat Better Than Target	Insufficient Data to Determine Trend	Moderate	Decrease sediment load as required to attain turbidity values not to exceed three NTU. In addition, turbidity shall not exceed one NTU in shallow waters of the Lake not directly influenced by stream discharges.	Turbidity	Nephelometric Turbidity Unit (NTU)	2015 Threshold Evaluation

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38	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral phosphorus loading - pp & periphyton	No status determination	N/A	N/A	Reduce the loading of dissolved inorganic nitrogen, dissolved phosphorus, iron, and other algal nutrients from all sources to meet the 1967-71 mean values for phytoplankton primary productivity and periphyton biomass in the littoral zone.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
39	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral nitrogen loading - pp & periphyton	No status determination	N/A	N/A	Reduce the loading of dissolved inorganic nitrogen, dissolved phosphorus, iron, and other algal nutrients from all sources to meet the 1967-71 mean values for phytoplankton primary productivity and periphyton biomass in the littoral zone.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
40	Water Quality	Nearshore (Littoral) Lake Tahoe	Littoral iron loading - pp & periphyton	No status determination	N/A	N/A	Reduce the loading of dissolved inorganic nitrogen, dissolved phosphorus, iron, and other algal nutrients from all sources to meet the 1967-71 mean values for phytoplankton primary productivity and periphyton biomass in the littoral zone.	Total annual load	Concentration: mg/L Load kg/yr.	2015 Threshold Evaluation
41	Water Quality	Attached Algae	Attached Algae	No status determination	Little or No Change	Low	Support actions to reduce the extent and distribution of excessive periphyton (attached) algae in the nearshore (littoral zone) of Lake Tahoe.	Areal extent and density of periphyton	Periphyton biomass index (PBI)	2015 Threshold Evaluation
42	Water Quality	Aquatic Invasive Species	AIS Prevention	No status determination	Little or No Change	Low	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	Number of new AIS / Areal extent AIS.	# of AIS / M2 of	2015 Threshold Evaluation
43	Water Quality	Aquatic Invasive Species	AIS Abundance	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation
44	Water Quality	Aquatic Invasive Species	AIS Distribution	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation
45	Water Quality	Aquatic Invasive Species	AIS ecological impacts	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation

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46	Water Quality	Aquatic Invasive Species	AIS social impacts	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation
47	Water Quality	Aquatic Invasive Species	AIS economic impacts	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation
48	Water Quality	Aquatic Invasive Species	AIS public health impacts	No status determination	N/A	N/A	Prevent the introduction of new aquatic invasive species into the region's waters and reduce the abundance and distribution of known aquatic invasive species. Abate harmful ecological, economic, social and public health impacts resulting from aquatic invasive species.	N/A	N/A	2015 Threshold Evaluation
49	Water Quality	Tributaries	Nitrogen Concentration - streams	Somewhat Worse Than Target	Little or No Change	Moderate	Attain applicable state standards for concentrations of dissolved inorganic nitrogen, dissolved phosphorus, and dissolved iron. Attain a 90 percentile value for suspended sediment concentration of 60 mg/1.	Same as most stringent state standard. Proportion of individual measurements that exceed 60 mg/L of suspended sediment	Milligrams/Liter (mg/L) for nutrients; percentage of individual measurements exceeding 60 mg/L for sediment	2015 Threshold Evaluation
50	Water Quality	Tributaries	Phosphorus concentration - streams	Somewhat Worse Than Target	Little or No Change	Moderate	Attain applicable state standards for concentrations of dissolved inorganic nitrogen, dissolved phosphorus, and dissolved iron. Attain a 90 percentile value for suspended sediment concentration of 60 mg/1.	Annual Total Phosphorus Concentration	mg/l and number of standard exceedances	2015 Threshold Evaluation
51	Water Quality	Tributaries	Iron concentration streams	No status determination	N/A	N/A	Attain applicable state standards for concentrations of dissolved inorganic nitrogen, dissolved phosphorus, and dissolved iron. Attain a 90 percentile value for suspended sediment concentration of 60 mg/1.	Annual Dissolved Iron Concentration	mg/l and number of standard exceedances	2015 Threshold Evaluation
52	Water Quality	Tributaries	Suspended Sediment concentration streams	Considerably Better Than Target	Little or No Change	Moderate	Attain applicable state standards for concentrations of dissolved inorganic nitrogen, dissolved phosphorus, and dissolved iron. Attain a 90 percentile value for suspended sediment concentration of 60 mg/1.	Suspended Sediment Concentration	mg/l and number of standard exceedances	2015 Threshold Evaluation
53	Water Quality	Tributaries	Nitrogen load streams	No status determination	Little or No Change	Low	Reduce total annual nutrient and suspended sediment load to achieve loading thresholds for littoral and pelagic Lake Tahoe.	Annual load of nitrogen (and nitrogen species)	MT/year or kg/year	2015 Threshold Evaluation
54	Water Quality	Tributaries	Phosphorus load streams	No status determination	Moderate Improvement	Low	Reduce total annual nutrient and suspended sediment load to achieve loading thresholds for littoral and pelagic Lake Tahoe.	Annual load of total phosphorus (and phosphorus species)	MT/year or kg/year	2015 Threshold Evaluation
55	Water Quality	Tributaries	Suspended sediment loads streams	No status determination	Moderate Improvement	Low	Reduce total annual nutrient and suspended sediment load to achieve loading thresholds for littoral and pelagic Lake Tahoe.	Annual load of suspended sediment from all monitored tributaries	MT/year or kg/year	2015 Threshold Evaluation
56	Water Quality	Surface Runoff	Dissolved inorganic nitrogen concentrations - storm water	No status determination	Insufficient Data to Determine Trend	Low	Achieve a 90 percentile concentration value for dissolved inorganic nitrogen of 0.5 mg/1, for dissolved phosphorus of 0.1 mg/1, and for dissolved iron of 0.5 mg/1 in surface runoff directly discharged to a surface water body in the Basin.	Concentration of Inorganic Nitrogen	mg/l	2015 Threshold Evaluation



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57	Water Quality	Surface Runoff	Phosphorus concentration -storm water	No status determination	Insufficient Data to Determine Trend	Low	Achieve a 90 percentile concentration value for dissolved inorganic nitrogen of 0.5 mg/1, for dissolved phosphorus of 0.1 mg/1, and for dissolved iron of 0.5 mg/1 in surface runoff directly discharged to a surface water body in the Basin.	concentration of total phosphate	mg/l	2015 Threshold Evaluation
58	Water Quality	Surface Runoff	Iron concentration -storm water	No status determination	N/A	N/A	Achieve a 90 percentile concentration value for dissolved inorganic nitrogen of 0.5 mg/1, for dissolved phosphorus of 0.1 mg/1, and for dissolved iron of 0.5 mg/1 in surface runoff directly discharged to a surface water body in the Basin.	concentration of total iron	mg/l	2015 Threshold Evaluation
59	Water Quality	Surface Runoff	Suspended Sediment concentration -storm water	No status determination	Insufficient Data to Determine Trend	Low	Achieve a 90 percentile concentration value for suspended sediment of 250 mg/1.	Proportion of individual measurements that exceed 250 mg/l	Percentage	2015 Threshold Evaluation
60	Water Quality	Surface Runoff	Suspended Sediment load storm water	No status determination	Insufficient Data to Determine Trend	Low	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Total annual load	kg/yr.	2015 Threshold Evaluation
61	Water Quality	Surface Runoff	FSP load storm water	No status determination	Little or No Change	Low	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Total annual load	kg/yr.	2015 Threshold Evaluation
62	Water Quality	Surface Runoff	Phosphorus load storm water	No status determination	Insufficient Data to Determine Trend	Low	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Total annual load	kg/yr.	2015 Threshold Evaluation
63	Water Quality	Surface Runoff	Nitrogen load storm water	No status determination	Insufficient Data to Determine Trend	Low	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Total annual load	kg/yr.	2015 Threshold Evaluation
64	Water Quality	Groundwater	Discharge to groundwater - nitrogen	No status determination	N/A	N/A	Surface runoff infiltration into the groundwater shall comply with the uniform Regional Runoff Quality Guidelines as set forth in Table 4-12 of the Draft Environmental Threshold Carrying Capacity Study Report, May, 1982.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =5 mg/L; total phosphate =1 mg/L; iron= 4 mg/L; turbidity = 200 JTU; grease and oil = 40 mg/L.	mg/L or NTU	2015 Threshold Evaluation
65	Water Quality	Groundwater	Discharge to groundwater - phosphorus	No status determination	N/A	N/A	Surface runoff infiltration into the groundwater shall comply with the uniform Regional Runoff Quality Guidelines as set forth in Table 4-12 of the Draft Environmental Threshold Carrying Capacity Study Report, May, 1982.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =5 mg/L; total phosphate =1 mg/L; iron= 4 mg/L; turbidity = 200 JTU; grease and oil = 40 mg/L.	mg/L or NTU	2015 Threshold Evaluation
66	Water Quality	Groundwater	Discharge to groundwater - iron	No status determination	N/A	N/A	Surface runoff infiltration into the groundwater shall comply with the uniform Regional Runoff Quality Guidelines as set forth in Table 4-12 of the Draft Environmental Threshold Carrying Capacity Study Report, May, 1982.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =5 mg/L; total phosphate =1 mg/L; iron= 4 mg/L; turbidity = 200 JTU; grease and oil = 40 mg/L.	mg/L or NTU	2015 Threshold Evaluation
67	Water Quality	Groundwater	Discharge to groundwater - turbidity	No status determination	N/A	N/A	Surface runoff infiltration into the groundwater shall comply with the uniform Regional Runoff Quality Guidelines as set forth in Table 4-12 of the Draft Environmental Threshold Carrying Capacity Study Report, May, 1982.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =5 mg/L; total phosphate =1 mg/L; iron= 4 mg/L; turbidity = 200 JTU; grease and oil = 40 mg/L.	mg/L or NTU	2015 Threshold Evaluation
68	Water Quality	Groundwater	Discharge to groundwater- grease and oil	No status determination	N/A	N/A	Surface runoff infiltration into the groundwater shall comply with the uniform Regional Runoff Quality Guidelines as set forth in Table 4-12 of the Draft Environmental Threshold Carrying Capacity Study Report, May, 1982.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =5 mg/L; total phosphate =1 mg/L; iron= 4 mg/L; turbidity = 200 JTU; grease and oil = 40 mg/L.	mg/L or NTU	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
69	Water Quality	Groundwater	Discharge to lake - nitrogen	No status determination	N/A	N/A	Where there is a direct and immediate hydraulic connection between ground and surface waters, discharges to groundwater shall meet the guidelines for surface discharges, and the Uniform Regional Runoff Quality Guide lines shall be amended accordingly.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =.5 mg/L; total phosphate =.1 mg/L; iron= 0.5 mg/L; turbidity = 20 JTU; grease and oil = 2 mg/L.	mg/L or NTU	2015 Threshold Evaluation
70	Water Quality	Groundwater	Discharge to lake - phosphorus	No status determination	N/A	N/A	Where there is a direct and immediate hydraulic connection between ground and surface waters, discharges to groundwater shall meet the guidelines for surface discharges, and the Uniform Regional Runoff Quality Guide lines shall be amended accordingly.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =.5 mg/L; total phosphate =.1 mg/L; iron= 0.5 mg/L; turbidity = 20 JTU; grease and oil = 2 mg/L.	mg/L or NTU	2015 Threshold Evaluation
71	Water Quality	Groundwater	Discharge to lake - iron	No status determination	N/A	N/A	Where there is a direct and immediate hydraulic connection between ground and surface waters, discharges to groundwater shall meet the guidelines for surface discharges, and the Uniform Regional Runoff Quality Guide lines shall be amended accordingly.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =.5 mg/L; total phosphate =.1 mg/L; iron= 0.5 mg/L; turbidity = 20 JTU; grease and oil = 2 mg/L.	mg/L or NTU	2015 Threshold Evaluation
72	Water Quality	Groundwater	Discharge to lake - turbidity	No status determination	N/A	N/A	Where there is a direct and immediate hydraulic connection between ground and surface waters, discharges to groundwater shall meet the guidelines for surface discharges, and the Uniform Regional Runoff Quality Guide lines shall be amended accordingly.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =.5 mg/L; total phosphate =.1 mg/L; iron= 0.5 mg/L; turbidity = 20 JTU; grease and oil = 2 mg/L.	mg/L or NTU	2015 Threshold Evaluation
73	Water Quality	Groundwater	Discharge to lake- grease and oil	No status determination	N/A	N/A	Where there is a direct and immediate hydraulic connection between ground and surface waters, discharges to groundwater shall meet the guidelines for surface discharges, and the Uniform Regional Runoff Quality Guide lines shall be amended accordingly.	Maximum concentration of constituent in waters infiltrated into soils: Total nitrogen =.5 mg/L; total phosphate =.1 mg/L; iron= 0.5 mg/L; turbidity = 20 JTU; grease and oil = 2 mg/L.	mg/L or NTU	2015 Threshold Evaluation
74	Water Quality	Other Lakes	Attain existing water quality standards.	No status determination	N/A	N/A	Attain existing water quality standards.	Same as State standards	mg/L; meters (m)	2015 Threshold Evaluation
<b>Impact of Project on Water Quality Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	<p>The Shoreline Plan EIS analyzed potential impacts to Water Quality and found the impacts to be less than significant. The Shoreline Plan would contribute to threshold gain related to water quality by incorporating program elements and mitigation measures such as requiring upland BMP's be in place prior to permitting new structures, requiring water quality improvements at marinas as a condition of a marina expansion; Restricting new motorized watercraft rental concessions to within marinas; Regulating fueling practices at marinas; Implementing stringent requirements for new dredging; Increasing enforcement of the no-wake zone; Expanding the no-wake zone to include all of Emerald Bay, 200 feet around shoreline structures, and 100 feet around nonmotorized watercraft and swimmers; Expanding monitoring to guide adaptive management of nearshore water quality; Increasing boater education related to appropriate watercraft operations and maintenance; boater safety; AIS; no-wake zone; and bilge, ballast, and fuel practices at all public motorized boat access points; Training staff at marinas and motorized watercraft rental concessions on appropriate watercraft operations and maintenance; Requiring staff at marinas and motorized watercraft rental concessions to educate customers about the no-wake zone and appropriate watercraft operations; Expanding monitoring to guide adaptive management of nearshore water quality; Requiring marinas to demonstrate a reduction in AIS habitat conditions and/or reduced need for dredging for marina expansions; Providing ongoing funding to increase AIS control; Requiring implementation of AIS management plans for all marinas; Supporting the widespread adoption of boating technologies that would reduce the risk of AIS spread; Prohibiting placement of new piers within stream mouth protection zones of 24 major streams and rivers that drain into Lake Tahoe; Providing incentives for the transfer of piers out of stream mouth protection areas and scenic travel units that are not in attainment of thresholds; and Implementing a GHG reduction policy to reduce GHG emissions (which would also reduce other types of air pollution that could affect water quality).</p> <p>The provisions of the Shoreline Plan listed above would benefit water quality thresholds. These would support the continued attainment of those thresholds that are in attainment, and would accelerate the attainment of those water quality thresholds that are not already in attainment.</p>						
<b>2015 THRESHOLD EVALUATION-SOIL CONSERVATION</b>										
75	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 1a	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage – Class 1a (1%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
76	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 1b	Considerably Worse Than Target	Moderate Improvement	Moderate	Bailey Land Coverage - Class 1b (1%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
77	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 1c	At or Somewhat Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 1c (1%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
78	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 2	Somewhat Worse Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 2 (1%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
79	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 3	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 3 (5%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
80	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 4	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 4 (20%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
81	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 5	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 5 (25%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
82	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 6	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 6 (30%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
83	Soil Conservation	Impervious Cover	Bailey Land Coverage Class 7	Considerably Better Than Target	Little or No Change	Moderate	Bailey Land Coverage - Class 7 (30%)	Percent impervious cover in land capability class	Percent (%)	2015 Threshold Evaluation
84	Soil Conservation	Stream Environment Zone	Preserve SEZ function	Implemented	Little or No Change	Moderate	<b>Preserve existing naturally functioning SEZ lands in their natural hydrologic condition</b> , restore all disturbed SEZ lands in undeveloped, unsubdivided lands, and restore 25 percent of the SEZ lands that have been identified as disturbed, developed or subdivided, to attain a 5 percent total increase in the area of naturally functioning SEZ lands.	Evidence of TRPA actions that support the Management Standard		2015 Threshold Evaluation
85	Soil Conservation	Stream Environment Zone	Restore undeveloped SEZ	No status determination	Insufficient Data to Determine Trend	N/A	Preserve existing naturally functioning SEZ lands in their natural hydrologic condition, <b>restore all disturbed SEZ lands in undeveloped, unsubdivided lands</b> , and restore 25 percent of the SEZ lands that have been identified as disturbed, developed or subdivided, to attain a 5 percent total increase in the area of naturally functioning SEZ lands.	N/A		2015 Threshold Evaluation
86	Soil Conservation	Stream Environment Zone	Restore 25% disturbed SEZ	Considerably Worse Than Target	Moderate Improvement	Moderate	Preserve existing naturally functioning SEZ lands in their natural hydrologic condition, restore all disturbed SEZ lands in undeveloped, unsubdivided lands, and <b>restore 25 percent of the SEZ lands that have been identified as disturbed</b> , developed or subdivided, to attain a 5 percent total increase in the area of naturally functioning SEZ lands.	Stream Restoration Acres in the Urban and Rural Areas (also expressed as percent of stream environment zone acres restored within the urban and rural context)	% Area	2015 Threshold Evaluation
87	Soil Conservation	Stream Environment Zone	5% increase SEZ function	At or Somewhat Better Than Target	Moderate Improvement	Moderate	Preserve existing naturally functioning SEZ lands in their natural hydrologic condition, restore all disturbed SEZ lands in undeveloped, unsubdivided lands, and restore 25 percent of the SEZ lands that have been identified as disturbed, developed or subdivided, <b>to attain a 5 percent total increase in the area of naturally functioning SEZ lands.</b>	Stream Restoration Acres in the Urban and Rural Areas (also expressed as percent of stream environment zone acres restored within the urban and rural context)	% Area	2015 Threshold Evaluation
<b>Impact of Project on Soil Conservation Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan analyzed potential impacts to soils and found that the impacts would be less than significant. The Shoreline Plan does not include provisions to alter or revise regulations pertaining to grading and soil disturbance. Furthermore, The Shoreline Plan would encourage the removal of coverage from stream mouths and SEZ areas by encouraging the transfer of existing piers out of stream mouth protection areas through incentives. This would directly contribute to attainment of soil conservation thresholds. The construction of shorezone structures would comply with land coverage and SEZ regulations that result in a net reduction in land coverage in LCD 1b, and a net increase in the amount of restored and functional SEZ. This would contribute to attainment of the soil conservation thresholds.						

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
88	Vegetation	Common Vegetation	Vegetation Community Richness	At or Somewhat Better Than Target	Little or No Change	Moderate	Maintain the existing species richness of the Basin by providing for the perpetuation of the following plant associations [9 vegetation associations]: <ul style="list-style-type: none"> <li>• Yellow Pine Forest: Jeffrey pine, white fir, incense cedar, sugar pine.</li> <li>• Red Fir Forest: red fir, Jeffrey pine, lodgepole pine, western white pine, mountain hemlock, western juniper.</li> <li>• Subalpine Forest: whitebark pine, mountain hemlock, mountain mahogany.</li> <li>• Shrub Association: greenleaf and pinemat manzanita, tobacco brush, Sierra chinquapin, huckleberry oak, mountain whitethorn.</li> <li>• Sagebrush Scrub Vegetation: basin sagebrush, bitterbrush, Douglas chaenactis.</li> <li>• Deciduous Riparian: quaking aspen, mountain alder, black cottonwood, willow.</li> <li>• Meadow Associations (Wet and Dry Meadow): mountain squirrel tail, alpine gentian, whorled penstemon, asters, fescues, mountain brome, corn lilies, mountain bentgrass, hairgrass, marsh marigold, elephant heads, tinker's penny, mountain timothy, sedges, rushes, buttercups.</li> <li>• Wetland Associations (Marsh Vegetation): pond lilies, buckbean, mare's tail, pondweed, common bladderwort, bottle sedge, common spikerush.</li> <li>• Cushion Plant Association (Alpine Scrub): alpine phlox, dwarf ragwort, draba.</li> </ul>	Species Richness (Number of Major Vegetation Associations)	% Area	2015 Threshold Evaluation
89	Vegetation	Common Vegetation	Abundance of Red Fir Forest in Seral Stages	Considerably Worse Than Target	Little or No Change	Moderate	Relative Abundance - Of the total amount of undisturbed vegetation in the Tahoe Basin: Maintain 15-25% of the Red Fir Forest in seral stages other than mature.	Acres (and percent cover) of vegetation types meeting small diameter (<10.9" dbh) red fir classification	Acres and percent (%)	2015 Threshold Evaluation
90	Vegetation	Common Vegetation	Abundance of Yellow Pine Forest in Seral Stages	Considerably Worse Than Target	Little or No Change	Moderate	Relative Abundance - Of the total amount of undisturbed vegetation in the Tahoe Basin: Maintain 15-25% of the Yellow (Jeffrey) Pine Forest in seral stages other than mature.	Acres (and percent cover) of vegetation types meeting small diameter (<10.9" dbh) Jeffrey pine classification	Acres and percent (%)	2015 Threshold Evaluation
91	Vegetation	Common Vegetation	Abundance of Meadow and Wetlands	Somewhat Worse Than Target	Little or No Change	Moderate	Relative Abundance - Of the total amount of undisturbed vegetation in the Tahoe Basin: Maintain at least 4% meadow and wetland vegetation.	Acres (and percent cover) of vegetation types meeting meadow and wetland classification type	Acres and percent (%)	2015 Threshold Evaluation
92	Vegetation	Common Vegetation	Abundance of Shrubs	Considerably Better Than Target	Insufficient Data to Determine Trend	Low	Relative Abundance - Of the total amount of undisturbed vegetation in the Tahoe Basin: Maintain no more than 25% dominant shrub association vegetation.	Acres (and percent cover) of vegetation types meeting shrub classification	Acres and percent (%)	2015 Threshold Evaluation
93	Vegetation	Common Vegetation	Abundance of Riparian Deciduous	Considerably Worse Than Target	Little or No Change	Low	Relative Abundance - Of the total amount of undisturbed vegetation in the Tahoe Basin: Maintain at least 4% deciduous riparian vegetation	Acres (and percent cover) of Riparian Deciduous Hardwoods	Acres and percent (%)	2015 Threshold Evaluation
94	Vegetation	Common Vegetation	Size of New Forest Openings	Implemented	N/A	N/A	Provide for the proper juxtaposition of vegetation communities and age classes by: 1. Limiting acreage size of new forest openings to no more than eight acres. 2. Adjacent openings shall not be of the same relative age class or succession stage to avoid uniformity in stand composition and age	Evidence of TRPA actions that support the Management Standard		2015 Threshold Evaluation
95	Vegetation	Common Vegetation	Stand composition and age	Implemented	N/A	N/A	Provide for the proper juxtaposition of vegetation communities and age classes by: 1. Limiting acreage size of new forest openings to no more than eight acres. 2. Adjacent openings shall not be of the same relative age class or succession stage to avoid uniformity in stand composition and age	N/A		2015 Threshold Evaluation
96	Vegetation	Common Vegetation	SEZ non-degradation	Implemented	N/A	N/A	A non-degradation standard to preserve plant communities shall apply to native deciduous trees, wetlands, and meadows while providing for opportunities to increase the acreage of such riparian associations to be consistent with the SEZ threshold.	Evidence of TRPA actions that support the Management Standard		2015 Threshold Evaluation

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97	Vegetation	Common Vegetation	Bailey Capability	Implemented	N/A	N/A	Native vegetation shall be maintained at a maximum level to be consistent with the limits defined in the Land Capability Classification of the Lake Tahoe Basin, California-Nevada, A Guide for Planning, Bailey, 1974, for allowable impervious cover and permanent site disturbance.	Evidence of TRPA actions that support the Management Standard		2015 Threshold Evaluation
98	Vegetation	Common Vegetation	Appropriate management	Implemented	N/A	N/A	It shall be a policy of the TRPA Governing Board that a nondegradation standard shall permit appropriate management practices.	Evidence of TRPA support for policy		2015 Threshold Evaluation
99	Vegetation	Late Seral/ Old growth Ecosystems	Total Old growth	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Attain and maintain a minimum percentage of 55% by area of forested lands within the Tahoe Region (excluding TRPA designated urban areas) in a late seral or old growth condition, and distributed across elevation zones. To achieve the 55%, the elevation zones shall contribute as follows: <ul style="list-style-type: none"> <li>The Sub-alpine zone (greater than 8,500 feet elevation) will contribute 5% (7,600 acres) of the late seral acres (61% of the Subalpine zone must be in a late seral or old growth condition);</li> <li>The Upper Montane zone (between 7,000 and 8,500 feet elevation) will contribute 30% (45,900 acres) of the late seral acres (60% of the Upper Montane zone must be in a late seral or old growth condition);</li> <li>The Montane zone (lower than 7,000 feet elevation) will contribute 20% (30,600 acres) of the late seral acres (48% of the Montane zone must be in a late seral or old growth condition).</li> </ul>	Percent of subalpine, upper montane and montane zone stand acres that are dominated by late seral or old growth characteristics (tree size >24" dbh)	Acres and percent (%)	2015 Threshold Evaluation
100	Vegetation	Late Seral/ Old growth Ecosystems	Sub-Alpine old growth	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Attain and maintain a minimum percentage of 55% by area of forested lands within the Tahoe Region (excluding TRPA designated urban areas) in a late seral or old growth condition, and distributed across elevation zones. To achieve the 55%, the elevation zones shall contribute as follows: <ul style="list-style-type: none"> <li>The Sub-alpine zone (greater than 8,500 feet elevation) will contribute 5% (7,600 acres) of the late seral acres (61% of the Subalpine zone must be in a late seral or old growth condition);</li> <li>The Upper Montane zone (between 7,000 and 8,500 feet elevation) will contribute 30% (45,900 acres) of the late seral acres (60% of the Upper Montane zone must be in a late seral or old growth condition);</li> <li>The Montane zone (lower than 7,000 feet elevation) will contribute 20% (30,600 acres) of the late seral acres (48% of the Montane zone must be in a late seral or old growth condition).</li> </ul>	Percent of subalpine, upper montane and montane zone stand acres that are dominated by late seral or old growth characteristics (tree size >24" dbh)	Acres and percent (%)	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
101	Vegetation	Late Seral/ Old growth Ecosystems	Upper Montane old growth	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Attain and maintain a minimum percentage of 55% by area of forested lands within the Tahoe Region (excluding TRPA designated urban areas) in a late seral or old growth condition, and distributed across elevation zones. To achieve the 55%, the elevation zones shall contribute as follows: <ul style="list-style-type: none"> <li>The Sub-alpine zone (greater than 8,500 feet elevation) will contribute 5% (7,600 acres) of the late seral acres (61% of the Subalpine zone must be in a late seral or old growth condition);</li> <li>The Upper Montane zone (between 7,000 and 8,500 feet elevation) will contribute 30% (45,900 acres) of the late seral acres (60% of the Upper Montane zone must be in a late seral or old growth condition);</li> <li>The Montane zone (lower than 7,000 feet elevation) will contribute 20% (30,600 acres) of the late seral acres (48% of the Montane zone must be in a late seral or old growth condition).</li> </ul>	Percent of subalpine, upper montane and montane zone stand acres that are dominated by late seral or old growth characteristics (tree size >24" dbh)	Acres and percent (%)	2015 Threshold Evaluation
102	Vegetation	Late Seral/ Old growth Ecosystems	Montane old growth	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Attain and maintain a minimum percentage of 55% by area of forested lands within the Tahoe Region (excluding TRPA designated urban areas) in a late seral or old growth condition, and distributed across elevation zones. To achieve the 55%, the elevation zones shall contribute as follows: <ul style="list-style-type: none"> <li>The Sub-alpine zone (greater than 8,500 feet elevation) will contribute 5% (7,600 acres) of the late seral acres (61% of the Subalpine zone must be in a late seral or old growth condition);</li> <li>The Upper Montane zone (between 7,000 and 8,500 feet elevation) will contribute 30% (45,900 acres) of the late seral acres (60% of the Upper Montane zone must be in a late seral or old growth condition);</li> <li>The Montane zone (lower than 7,000 feet elevation) will contribute 20% (30,600 acres) of the late seral acres (48% of the Montane zone must be in a late seral or old growth condition).</li> </ul>	Percent of subalpine, upper montane and montane zone stand acres that are dominated by late seral or old growth characteristics (tree size >24" dbh)	Acres and percent (%)	2015 Threshold Evaluation
103	Vegetation	Uncommon Plant Communities	Deepwater plants	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 1) the deep-water plants of Lake Tahoe	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
104	Vegetation	Uncommon Plant Communities	Grass Lake	No status determination	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 2) Grass Lake (sphagnum fen).	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
105	Vegetation	Uncommon Plant Communities	Osgood Swamp	No status determination	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 3) Osgood Swamp,	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
106	Vegetation	Uncommon Plant Communities	Freel Peak	Somewhat Worse Than Target	Rapid Decline	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 4) the Freel Peak Cushion Plant Community.	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
107	Vegetation	Uncommon Plant Communities	Hell Hole	No status determination	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 5) Hell Hole (sphagnum fen)	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
108	Vegetation	Uncommon Plant Communities	Upper Truckee Marsh	Somewhat Worse Than Target	Little or No Change	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 6) Upper Truckee Marsh.	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
109	Vegetation	Uncommon Plant Communities	Taylor Creek Marsh	No status determination	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 7) Taylor Creek Marsh.	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
110	Vegetation	Uncommon Plant Communities	Pope Marsh	No status determination	Insufficient Data to Determine Trend	Low	Provide for the nondegradation of the natural qualities of any plant community that is uncommon to the Basin or of exceptional scientific, ecological, or scenic value. This threshold shall apply but not be limited to 8) Pope Marsh.	The natural qualities of the community (as determined by a qualified expert).	Presence/Absence	2015 Threshold Evaluation
111	Vegetation	Sensitive Plants	Galena Rock Cress - Arabis rigidissima v. demote	Considerably Worse Than Target	Little or No Change	Low	Arabis rigidissima var. demota – Galena Creek rockcress (7)	The number of population sites that are maintained as suitable habitat for sensitive plant species (as determined by a qualified expert).	Number of occupied sites	2015 Threshold Evaluation
112	Vegetation	Sensitive Plants	Tahoe Draba - Draba asterophora v. asterophora	Considerably Better Than Target	Little or No Change	Moderate	Draba asterophora var. asterophora – Tahoe Draba (5)	The number of population sites that are maintained as suitable habitat for sensitive plant species (as determined by a qualified expert).	Number of occupied sites	2015 Threshold Evaluation
113	Vegetation	Sensitive Plants	Cup Lake Drabe - Draba asterophora v. macrocarpa	Considerably Better Than Target	Little or No Change	Moderate	Draba asterophora var. macrocarpa – Cup Lake Draba (2)	The number of population sites that are maintained as suitable habitat for sensitive plant species (as determined by a qualified expert).	Number of occupied sites	2015 Threshold Evaluation
114	Vegetation	Sensitive Plants	Long-petaled Lewisia - Lewisia pygmaea longipetala	Considerably Better Than Target	Little or No Change	Moderate	Lewisia pygmaea longipetala – Long-petaled lewisia (2)	The number of population sites that are maintained as suitable habitat for sensitive plant species (as determined by a qualified expert).	Number of occupied sites	2015 Threshold Evaluation
115	Vegetation	Sensitive Plants	Tahoe Yellow Cress - Rorippa subumbellata	Considerably Better Than Target	Moderate Improvement	High	Rorippa subumbellata – Tahoe yellow cress (26)	The number of population sites that are maintained as suitable habitat for sensitive plant species (as determined by a qualified expert).	Number of occupied sites	2015 Threshold Evaluation
<b>Impact of Project on Vegetation Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan EIS analyzed potential impacts to vegetation and found that the impacts would be less than significant. The Shoreline Plan will not reduce the distribution, abundance, richness, or quality of common vegetation types over the Region in a manner that will affect the attainment status of the common vegetation threshold standard. The Shoreline Plan would designate some public lands as Shorezone Preservation Areas and would prohibit construction of private shorezone structures in such areas, which would protect vegetation communities in those areas. Sensitive plants, such as the Tahoe Yellow Cress, would be protected pursuant to the 2015 Tahoe Yellow Cress Conservation Strategy. Benefits to air and water quality could also have secondary benefits for vegetation in the shorezone. This would contribute to the attainment of the vegetation threshold.						
<b>2015 THRESHOLD EVALUATION-FISHERIES</b>										
116	Fisheries	Lake Habitat	Lake Habitat	At or Somewhat Better Than Target	Insufficient Data to Determine Trend	Low	A nondegradation standard shall apply to fish habitat in Lake Tahoe. Achieve the equivalent of 5,948 total acres of excellent habitat <sup>5</sup> as indicated by the Prime Fish Habitat Overlay Map dated 5/19/97 as may be amended from time to time.	Acres of "prime" habitat (rocky substrates in littoral zone)	Acres of fish habitat within the nearshore of Lake Tahoe - defined by substrate size	2015 Threshold Evaluation
117	Fisheries	Stream Habitat	Excellent Stream Habitat	Considerably Better Than Target	Insufficient Data to Determine Trend	Low	Maintain the 75 miles of excellent, 105 miles of good, and 38 miles of marginal stream habitat as indicated by the §Stream Habitat Quality Overlay map, amended May 1997, based upon the re-rated stream scores set forth in Appendix C-1 of the 1996 Evaluation Report.	Miles of stream in "excellent" condition class	Miles of stream habitat in different condition classes (excellent, good and poor)	2015 Threshold Evaluation
118	Fisheries	Stream Habitat	Good Stream Habitat	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Maintain the 75 miles of excellent, 105 miles of good, and 38 miles of marginal stream habitat as indicated by the §Stream Habitat Quality Overlay map, amended May 1997, based upon the re-rated stream scores set forth in Appendix C-1 of the 1996 Evaluation Report.	Miles of stream in "good" condition class	Miles of stream habitat in different condition classes (excellent, good and poor)	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
119	Fisheries	Stream Habitat	Marginal Stream Habitat	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Maintain the 75 miles of excellent, 105 miles of good, and 38 miles of marginal stream habitat as indicated by the Stream Habitat Quality Overlay map, amended May 1997, based upon the re-rated stream scores set forth in Appendix C-1 of the 1996 Evaluation Report.	Miles of stream in "marginal" condition class	Miles of stream habitat in different condition classes (excellent, good and poor)	2015 Threshold Evaluation
120	Fisheries	Instream Flow	Instream Flow	Implemented	N/A	N/A	Until instream flow standards are established in the Regional Plan to protect fishery values, a nondegradation standard shall apply to instream flows.	Evidence of TRPA support for Management Standard.	Number of criteria satisfied	2015 Threshold Evaluation
121	Fisheries	Instream Flow	Stream diversion	Implemented	N/A	N/A	It shall be a policy of the TRPA Governing Board to seek transfers of existing points of water diversion from streams to Lake Tahoe.	Evidence of TRPA support for Management Standard.	Number of criteria satisfied	2015 Threshold Evaluation
122	Fisheries	Lahontan Cutthroat Trout	Lahontan Cutthroat Trout	Implemented	N/A	N/A	It shall be the policy of the TRPA Governing Board to support, in response to justifiable evidence, state and federal efforts to reintroduce Lahontan cutthroat trout.	Evidence of TRPA support for Management Standard.	Number of criteria satisfied	2015 Threshold Evaluation
<b>Impact of Project on Fisheries Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan EIS analyzed potential impacts to biological resources, including fisheries, and found impacts to be less than significant. The Shoreline Plan will require that projects implement prime fish habitat replacement at a 1:5 to 1 ratio. The Shoreline Plan will not result in other significant impacts to fisheries. For these reasons, implementation of the Shoreline Plan will contribute to maintenance of the Lake Habitat Threshold. Stream habitat would also be protected by continuing to prohibit the placement of structures in stream mouth protection zones. The Shoreline Plan also includes resource protection measures that will contribute to threshold gain for the fisheries threshold. The water quality benefits for the Shoreline Plan will also benefit fisheries.						
<b>2015 THRESHOLD EVALUATION-WILDLIFE</b>										
123	Wildlife	Special Interest Species	Goshawk population sites	No status determination	Insufficient Data to Determine Trend	Low	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Goshawk (12 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
124	Wildlife	Special Interest Species	Osprey population sites	Considerably Better Than Target	Rapid Improvement	Moderate	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Osprey (4 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
125	Wildlife	Special Interest Species	Bald Eagle Wintering population sites	Considerably Better Than Target	Rapid Improvement	Low	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Bald Eagle Wintering (2 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
126	Wildlife	Special Interest Species	Bald Eagle Nesting population sites	At or Somewhat Better Than Target	Little or No Change	Moderate	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Bald Eagle Nesting (1 population site)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
127	Wildlife	Special Interest Species	Golden Eagle population sites	No status determination	Insufficient Data to Determine Trend	Low	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Golden Eagle (4 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
128	Wildlife	Special Interest Species	Peregrine population sites	Considerably Better Than Target	Rapid Improvement	Moderate	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Peregrine (2 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
129	Wildlife	Special Interest Species	Waterfowl population sites	Somewhat Worse Than Target	Little or No Change	Low	Maintain a minimum number of population sites for each of eight special status species or species assemblage. The minimum number of population sites is as follows: · Waterfowl (18 population sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
130	Wildlife	Special Interest Species	Goshawk disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Goshawk (0.5 mile radius around nest sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
131	Wildlife	Special Interest Species	Osprey disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Osprey (0.25 mile radius around nest sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
132	Wildlife	Special Interest Species	Bald Eagle Wintering disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Bald Eagle Wintering (mapped areas)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation



ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
133	Wildlife	Special Interest Species	Bald Eagle Nesting disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Bald Eagle Nesting (0.5 mile radius around nest sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
134	Wildlife	Special Interest Species	Golden Eagle disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Golden Eagle (0.25 mile radius around nest sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
135	Wildlife	Special Interest Species	Peregrine disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Peregrine (0.25 mile radius around nest sites)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
136	Wildlife	Special Interest Species	Waterfowl disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Waterfowl (mapped areas)	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
137	Wildlife	Special Interest Species	Deer disturbance zone	Implemented	N/A	N/A	Maintain disturbance zones in which activities that would disturb special status species are regulated. Disturbance zones apply to mapped areas or specific distances around population sites. Deer (mapped areas corresponding to "meadows")	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
138	Wildlife	Habitats of Special Significance	Riparian habitat	Implemented	N/A	N/A	A nondegradation standard shall apply to significant wildlife habitat consisting of deciduous trees, wetlands, and meadows while providing for opportunities to increase the acreage of such riparian associations.	Evidence of TRPA support for Management Standard.		2015 Threshold Evaluation
<b>Impact of Project on Wildlife Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan EIS analyzed potential impacts to biological resources, including wildlife, and found the impacts would be less than significant. The Shoreline Plan includes mitigation to ensure that nesting osprey and bald eagle are protected. Projects are also prohibited from degrading wetland and riparian habitats, including mapped waterfowl population sites. With implementation of these measures, the Shoreline Plan will contribute to the maintenance of the osprey, bald eagle, and waterfowl thresholds. The Shoreline Plan's benefits to soil conservation, fisheries, and vegetation will all indirectly benefit wildlife thresholds. New, expanded, or modified piers would need to be blend in with the scenic background along the shoreline and be required to meet the minimum contrast ratings under the TRPA Visual Magnitude System. This would contribute to attainment of the scenic threshold.						
<b>2015 THRESHOLD EVALUATION-RECREATION</b>										
139	Recreation	Quality of Recreation Experience and Access to Recreational Opportunities	Recreation Experience	Implemented	N/A	N/A	shall be the policy of the TRPA Governing Body in development of the Regional Plan to preserve and enhance the high-quality recreational experience including preservation of high-quality undeveloped shorezone and other natural areas. In developing the Regional Plan, the staff and Governing Body shall consider provisions for additional access, where lawful and feasible, to the shorezone and high-quality undeveloped areas for low density recreational uses	Evaluation Criteria and Evidence	Number of criteria Satisfied	2015 Threshold Evaluation
140	Recreation	Fair Share Distribution of Recreation Capacity	Distribution of Recreation	Implemented	N/A	N/A	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to establish and ensure a fair share of the total Basin capacity for outdoor recreation is available to the general public."	Evaluation Criteria and Evidence	Number of criteria Satisfied	2015 Threshold Evaluation
<b>Impact of Project on Recreation Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan analyzed potential impacts to recreation and found the impacts to be less than significant. The Shoreline Plan includes expanded no wake zones and density and location standards for moorings and piers that will help preserve scenic areas around the lake and maintain the quality of recreation experience. TRPA and California State Lands Commission will adopt an MOU that details a process to coordinate review of applications for new and modified piers and other shorezone structures in California. The MOU will require design features to accommodate lateral access where it is otherwise legally allowed. This would contribute to attainment of the recreation threshold.						
<b>2015 THRESHOLD EVALUATION-SCENIC RESOURCES</b>										
141	Scenic Resources	Built Environment	Built Environment	Implemented	N/A	N/A	It shall be the policy of the TRPA Governing Body in development of the Regional Plan, in cooperation with local jurisdictions, to insure the height, bulk, texture, form, materials, colors, lighting, signing and other design elements of new, remodeled and redeveloped buildings be compatible with the natural, scenic, and recreational values of the region	Evaluation Criteria and Evidence	Number of criteria Satisfied	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
142	Scenic Resources	Other Areas	Scenic Quality of Other Areas (Recreation Sites and Bike Trails)	At or Somewhat Better Than Target	Little or No Change	High	Maintain or improve the numerical rating assigned to each identified scenic resource, including individual subcomponent numerical ratings, for views from bike paths and other recreation areas open to the general public as recorded in the 1993 Lake Tahoe Basin Scenic Resource Evaluation.	Average of unit composite scores	Composite Score	2015 Threshold Evaluation
143	Scenic Resources	Roadway and Shoreline Units	Roadway Scenic Resources	At or Somewhat Better Than Target	Little or No Change	High	Maintain or improve the numerical rating assigned each unit, including the scenic quality rating of the individual resources within each unit, as recorded in the Scenic Resources Inventory and shown in Tables 13-3, 13-5, 13-8 and 13-9 of the Draft Study Report.	Average of unit composite scores	Composite Score	2015 Threshold Evaluation
144	Scenic Resources	Roadway and Shoreline Units	Roadway Travel Units	At or Somewhat Better Than Target	Moderate Improvement	High	Maintain or improve the numerical rating assigned each unit, including the scenic quality rating of the individual resources within each unit, as recorded in the Scenic Resources Inventory and shown in Tables 13-3, 13-5, 13-8 and 13-9 of the Draft Study Report.	Average of unit composite scores	Composite Score	2015 Threshold Evaluation
145	Scenic Resources	Roadway and Shoreline Units	Shoreline Scenic Resources	At or Somewhat Better Than Target	Little or No Change	High	Maintain or improve the numerical rating assigned each unit, including the scenic quality rating of the individual resources within each unit, as recorded in the Scenic Resources Inventory and shown in Tables 13-3, 13-5, 13-8 and 13-9 of the Draft Study Report.	Average of unit composite scores	Composite Score	2015 Threshold Evaluation
146	Scenic Resources	Roadway and Shoreline Units	Shoreline Travel Units	At or Somewhat Better Than Target	Moderate Improvement	High	Maintain or improve the numerical rating assigned each unit, including the scenic quality rating of the individual resources within each unit, as recorded in the Scenic Resources Inventory and shown in Tables 13-3, 13-5, 13-8 and 13-9 of the Draft Study Report.	Average of unit composite scores	Composite Score	2015 Threshold Evaluation
<b>Impact of Project on Scenic Resources Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan analyzed potential impacts to scenic resources and found the impacts to be less than significant. The Shoreline Plan will result in the doubling of the maximum required visible mass offsets for projects implemented under the Plan. The Shoreline Plan will also include an annual buoy scenic mitigation fee dedicated to implementing scenic improvement projects along the shoreline. These projects will be located within the 11 shoreline travel units that are not in attainment, and will directly contribute to bringing those units into attainment with scenic thresholds. New, expanded, or modified piers would be required to blend in with the shoreline and meet minimum contrast ratings under the TRPA Visual Magnitude System which will accelerate the pace of scenic threshold attainment.						

**2015 THRESHOLD EVALUATION-NOISE**

147	Noise	Single Noise Events	Aircraft Noise Departure/Arrival (8am to 8pm)	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Low	The following maximum noise levels are allowed: All values are in decibels	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
148	Noise	Single Noise Events	Aircraft Noise Departure/Arrival (8pm to 8am)	No status determination	Insufficient Data to Determine Trend	Low	The following maximum noise levels are allowed: All values are in decibels	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
149	Noise	Single Noise Events	Watercraft-Pass By Test	No status determination	N/A	N/A	50 ft.-engine at 3,000 rpm	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
150	Noise	Single Noise Events	Watercraft-Shoreline Test	Somewhat Worse Than Target	Little or No Change	Low	Microphone 5 ft. above water, 2 ft., above curve of shore, dock or platform. Watercraft in Lake, no minimum distance.	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
151	Noise	Single Noise Events	Pre-1993 Watercraft-Stationary Test	No status determination	N/A	N/A	88 dBA Lmax for boats manufactured before January 1, 1993; Microphone 3.3 feet from exhaust outlet - 5 feet above water.	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
152	Noise	Single Noise Events	Post 1992 Watercraft-Stationary Test	No status determination	N/A	N/A	90 dBA Lmax for boats manufactured after January 1, 1993 Microphone 3.3 feet from exhaust outlet - 5 feet above water.	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
153	Noise	Single Noise Events	Motor Vehicles Less than 6,000 GV for speeds less than 35 mph	No status determination	N/A	N/A	76 dBA Less Than 35 MPH	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
154	Noise	Single Noise Events	Motor Vehicles Less Than 6,000 GVW for speeds greater than 35 mph	No status determination	N/A	N/A	82 dBA Greater Than 35 MPH	dBa Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
155	Noise	Single Noise Events	Motor Vehicles Greater than 6,000 GVW for speeds less than 35 mph	No status determination	N/A	N/A	82 dBA Less Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
156	Noise	Single Noise Events	Motor Vehicles Greater than 6,000 GVW for speeds greater than 35 mph	No status determination	N/A	N/A	86 dBA greater Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
157	Noise	Single Noise Events	Motorcycles for speeds less than 35 mph	No status determination	N/A	N/A	77 dBA Less Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
158	Noise	Single Noise Events	Motorcycles for speeds greater than 35 mph	No status determination	N/A	N/A	86 dBA greater Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
159	Noise	Single Noise Events	Off-Road Vehicles for speeds less than 35 mph	No status determination	N/A	N/A	72 dBA Less Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
160	Noise	Single Noise Events	Off-Road Vehicles for speeds greater than 35 mph	No status determination	N/A	N/A	86 dBA greater Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
161	Noise	Single Noise Events	Snowmobiles	No status determination	N/A	N/A	82 dBA Less Than 35 MPH	dBA Level and Number of Exceedances of Standard	decibels - dBA	2015 Threshold Evaluation
162	Noise	Cumulative Noise Events	Wilderness and Roadless Areas	At or Somewhat Better Than Target	Moderate Improvement	Moderate	Average Noise Level Or CNEL range (dBA) -45	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
163	Noise	Cumulative Noise Events	Critical Wildlife Habitat Areas	Considerably Worse Than Target	Insufficient Data to Determine Trend	Low	Average Noise Level Or CNEL range (dBA) -45	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
164	Noise	Cumulative Noise Events	Low Density Residential Areas	At or Somewhat Better Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) -50	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
165	Noise	Cumulative Noise Events	Rural Outdoor Recreation Areas	At or Somewhat Better Than Target	Little or No Change	Low	Average Noise Level Or CNEL range (dBA) - 50	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
166	Noise	Cumulative Noise Events	High Density Residential Areas	Somewhat Worse Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) - 55	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
167	Noise	Cumulative Noise Events	Urban Outdoor Recreation Areas	At or Somewhat Better Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) - 55	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
168	Noise	Cumulative Noise Events	Hotel/Motel Areas	At or Somewhat Better Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) - 60	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
169	Noise	Cumulative Noise Events	Commercial Areas	At or Somewhat Better Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) - 60	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
170	Noise	Cumulative Noise Events	Industrial Areas	At or Somewhat Better Than Target	Little or No Change	Moderate	Average Noise Level Or CNEL range (dBA) - 65	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
171	Noise	Cumulative Noise Events	Transportation corridors	Implemented	N/A	N/A	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
172	Noise	Cumulative Noise Events	South Lake Tahoe Airport Transportation Corridor	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Low	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
173	Noise	Cumulative Noise Events	State Route 28 Transportation Corridor	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
174	Noise	Cumulative Noise Events	Highway 50 Transportation Corridor	At or Somewhat Better Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
175	Noise	Cumulative Noise Events	State Route 89 Transportation Corridor	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation

ID	Threshold Category	Applicable Indicator Reporting Category	Name of Threshold Standard Addressed	Status (2015)	Trend (2015)	Confidence (2015)	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	TRPA Indicator	Unit of Measure	Source
176	Noise	Cumulative Noise Events	State Route 207 Transportation Corridor	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
177	Noise	Cumulative Noise Events	State Route 267 Transportation Corridor	Somewhat Worse Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
178	Noise	Cumulative Noise Events	State Route 431 Transportation Corridor	At or Somewhat Better Than Target	Insufficient Data to Determine Trend	Moderate	It shall be the policy of the TRPA Governing Body in development of the Regional Plan to define, locate, and establish CNEL levels for transportation corridors	Community Noise Equivalent Level (dBA) in designated zone	decibels - dBA	2015 Threshold Evaluation
<b>Impact of Project on Noise Indicators/Targets/Other Factors (Y/N)</b>		<b>N</b>	<b>Comments</b>	The Shoreline Plan analyzed potential impacts related to noise and found the impacts to be less than significant. The Shoreline Plan will increase enforcement of the no-wake zone, which will reduce boat noise near shore. The Shoreline Plan will also prohibit the use of certain boats that exceed single-event noise standards and will implement enhanced noise monitoring. These programs will contribute to attainment of the noise threshold.						

**ATTACHMENT D 2:**  
**Compliance Measures Table**

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
<b>WATER QUALITY/SEZ - IN PLACE</b>				
1	BMP requirements, new development: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Fish	Y	The Shoreline Plan does not alter existing provisions related to BMP compliance. All projects in the shorezone will be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. In addition, the Shoreline Plan will require that upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
2	BMP implementation program -- existing streets and highways: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Trans, Fish	Y	
3	BMP implementation program -- existing urban development: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Fish	Y	
4	BMP implementation program -- existing urban drainage systems: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Trans, Fish	Y	
5	Capital Improvement Program for Erosion and Runoff Control	WQ, Soils/SEZ, Trans, Fish	N	The Shoreline Plan will not change existing Capital Improvement Program in Chapter 15 of the TRPA Code of Ordinances.
6	Excess coverage mitigation program: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	N	The Shoreline Plan will not change the excess land coverage mitigation program.
7	Effluent limitations: California (SWRCB, Lahontan Board) and Nevada (NDEP): <i>Code of Ordinances</i> Chapter 5	WQ, Soils/SEZ, Fish	N	The effluent (discharge) limitation in Chapter 60 of the TRPA Code of Ordinances is not being modified.
8	Limitations on new subdivisions: (See the Goals and Policies: Land Use Element)	WQ, Soils/SEZ, Rec, Scenic	N	The Shoreline Plan does not alter provisions related to subdivision of land.
9	Land use planning and controls: See the Goals and Policies: Land Use Element and Code of Ordinances Chapters 11, 12, 13, 14, and 21	WQ, Soils/SEZ, Trans, Scenic	Y	The Shoreline Plan does not alter provisions related to land use planning. All future projects in the shorezone would be subject to the Land Use Element and Code of Ordinance Chapters 11, 12, 13, 14, and 21.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
10	Residential development priorities, The Individual Parcel Evaluation System (IPES): Goals and Policies: Implementation Element and Code of Ordinances Chapter 53	WQ, Soils/SEZ	N	The Shoreline Plan does not alter the provisions related to residential development priorities or the Individual Parcel Evaluation System (IPES).
11	Limits on land coverage for new development: Goals and Policies: Land Use Element and Code of Ordinances Chapter 30	WQ, Soils/SEZ, Scenic	Y	The Shoreline Plan does not alter limits on land coverage for new development. Projects in the shorezone will continue to be subject to the provisions regarding land coverage identified in Chapter 30.
12	Transfer of development: Goals and Policies: Land Use Element and Implementation Element	WQ, Soils/SEZ	Y	The Shoreline Plan does not alter provisions related to transfer of development.
13	Restrictions on SEZ encroachment and vegetation alteration: <i>Code of Ordinances</i> Chapter 30	WQ, Soils/SEZ, Veg, Wildlife, Fish, Rec, Scenic	Y	The Shoreline Plan does not alter existing restrictions on SEZ encroachment and vegetation alteration in the TRPA Code, Chapter 30: <i>Land Coverage</i> . Projects in the Shorezone that involve construction or the placement of infrastructure near SEZ or that could alter vegetation would be subject to these provisions.
14	SEZ restoration program: Environmental Improvement Program.	WQ, Soils/SEZ, Veg, Wildlife, Fish, Scenic	Y	The Shoreline Plan does not affect or alter the SEZ restoration program.
15	SEZ setbacks: <i>Code of Ordinances</i> Chapter 53	WQ, Soils/SEZ, Veg, Wildlife, Fish	N	SEZ setback requirements in the TRPA Code Section 53.9 will not be altered by the Shoreline Plan.
16	Fertilizer reporting requirements: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Fish, Rec	Y	Reporting requirements for fertilizer and water quality mitigation will remain in effect.
17	Water quality mitigation: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	Y	The amendments will benefit water quality through policies and provisions that require water quality mitigation for specific projects in the shorezone. Mitigation is required for projects that create a disturbance to prime fish habitat.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
18	Restrictions on rate and/or amount of additional development	WQ, Soils/SEZ, Wildlife, Scenic	N	The Regional Plan does not currently include limits on development within the shorezone. The Shoreline Plan sets new restrictions on rate and amount of development associated with projects in the shorezone. The Plan does not address restrictions or rate of development outside of the shorezone.
19	Improved BMP implementation/enforcement program	WQ, Soils/SEZ	Y	All projects in the shorezone will be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. In addition, the Shoreline Plan will require that upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
20	Increased funding for EIP projects for erosion and runoff control	WQ, Soils/SEZ	Y	The Shoreline Plan would not negatively impact funding for the water quality, soils/SEZ projects in the EIP. The Plan includes additional funding for EIP projects included in the Scenic Quality Improvement Program.
21	Artificial wetlands/runoff treatment program	WQ, Soils/SEZ	N	There are no changes to the artificial wetlands/runoff treatment program proposed within the Shoreline Plan.
22	Transfer of development from SEZs	WQ, Soils/SEZ, Scenic	Y	See response to Compliance Measure 14.
23	Improved mass transportation	WQ, Trans, Noise	N	The Shoreline Plan will not modify the adopted Mobility 2035: Lake Tahoe Regional Transportation Plan.



Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
24	Redevelopment and redirection of land use: Goals and Policies: Land Use Element and Code of Ordinances Chapter 13	WQ, Soils/SEZ, Scenic	Y	The Shoreline Plan includes policies that encourage redevelopment of dilapidated structures in the shorezone as well as retirement of development potential in the shorezone. The amendments would not affect provisions in Chapter 13 related to Area Plans.
25	Combustion heater rules, stationary source controls, and related rules: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	The Shoreline Plan does not alter these Compliance Measures. Existing TRPA Code provisions will remain in effect.
26	Elimination of accidental sewage releases: Goals and Policies: Land Use Element	WQ, Soils/SEZ	N	
27	Reduction of sewer line exfiltration: Goals and Policies: Land Use Element	WQ, Soils/SEZ	N	
28	Effluent limitations	WQ, Soils/SEZ	N	
29	Regulation of wastewater disposal at sites not connected to sewers: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	N	
30	Prohibition on solid waste disposal: Goals and Policies: Land Use Element	WQ, Soils/SEZ	N	
31	Mandatory garbage pick-up: Goals and Policies: Public Service Element	WQ, Soils/SEZ, Wildlife	N	
32	Hazardous material/wastes programs: Goals and Policies: Land Use Element and Code of Ordinances Chapter 60	WQ, Soils/SEZ	N	

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
33	BMP implementation program, Snow and ice control practices: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, AQ	N	The Shoreline Plan does not change the BMP implementation program relating to snow and ice control practices. All projects in the shorezone will continue to be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. In addition, the Shoreline Plan will require that all upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
34	Reporting requirements, highway abrasives and deicers: Goals and Policies:, Land Use Element and Code of Ordinances Chapter 60	WQ, Soils/SEZ, Fish	N	The Shoreline Plan will not modify reporting requirements for highway abrasives and deicers or Goals and Policies: Land Use Element and Code of Ordinances Chapter 60.
35	BMP implementation program--roads, trails, skidding, logging practices: <i>Code of Ordinances</i> Chapter 60, Chapter 61	WQ, Soils/SEZ, Fish	N	The Shoreline Plan does not change the BMP implementation program; all projects in the shorezone will continue to be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. In addition, the Shoreline Plan will require that all upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
36	BMP implementation program--outdoor recreation: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Fish, Rec	N	
37	BMP implementation program--livestock confinement and grazing: <i>Code of Ordinances</i> Chapter 21, Chapter 60, Chapter 64	WQ, Soils/SEZ, Veg, Wildlife, Fish	N	
38	BMP implementation program--pesticides	WQ, Soils/SEZ	N	

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
39	Land use planning and controls -- timber harvesting: <i>Code of Ordinances</i> Chapter 21	WQ, Soils/SEZ, AQ, Wildlife, Fish, Scenic	N	The Shoreline Plan does not alter timber harvesting and outdoor recreation provisions.
40	Land use planning and controls - outdoor recreation: <i>Code of Ordinances</i> Chapter 21	WQ, Soils/SEZ, Wildlife, Noise, Rec, Scenic	N	
41	Land use planning and controls-- ORV use: Goals and Policies: Recreation Element	WQ, Soils/SEZ, AQ, Wildlife, Fish, Noise, Rec, Scenic	N	Regional Plan Policy R-1.5 states that "Off-road vehicle (ORV) use is prohibited in the Lake Tahoe Region except on specified roads, trails, or designated areas where the impacts can be mitigated." The Shoreline Plan does not include alteration or expansion of ORV use.
42	Control of encroachment and coverage in sensitive areas	WQ, Soils/SEZ, Wildlife, Rec, Scenic	N	No changes are being proposed that would impact this compliance measure. The existing TRPA Code provisions will remain in effect.
43	Control on shorezone encroachment and vegetation alteration: <i>Code of Ordinances</i> Chapter 83	WQ, Soils/SEZ, Scenic	Y	The Shoreline Plan will not modify control on shorezone encroachment and vegetation alteration provisions as set forth in Chapter 83.
44	BMP implementation program-- shorezone areas: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	Y	The Shoreline Plan does not modify the shorezone areas of the BMP Implementation Program as set forth in Chapter 60. The amendments include provisions requiring that all upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
45	BMP implementation program--dredging and construction in Lake Tahoe: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	Y	The Shoreline Plan does not modify the dredging and construction sections of the BMP implementation program as set forth in Chapter 60. The amendments include provisions requiring maintenance dredging to comply with dredging BMPs as well as the installation of all upland BMPs in Code Section 84.9.3.
46	Restrictions and conditions on filling and dredging: <i>Code of Ordinances</i> Chapter 84	WQ, Soils/SEZ, Fish	Y	
47	Protection of stream deltas	WQ, Soils/SEZ, Wildlife, Fish, Scenic	Y	The Shoreline Plan amendments will allow additional structures in the shorezone however, location standards for new piers and moorings are prohibited within Stream-Mouth Protection Zones.
48	Marina master plans: <i>Code of Ordinances</i> Chapter 14	WQ, AQ/Trans, Fish, Scenic	Y	The Shoreline Plan includes amendments to Chapter 14: <i>Specific and Master Plans</i> . The Plan removes the requirement for a marina master plan. This has been replaced with provisions that provide specific marina development standards. Provisions are made for low lake adaptation and flexibility in design. Environmental improvements are required at marinas based on the scale of the project and increase in capacity. All marinas are required to implement an Aquatic Invasive Species Management Plan within three years of adoption of the plan.
49	Additional pump-out facilities: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ	Y	The Shoreline Plan does not modify language regarding pump-out facilities in Chapter 60. The Plan will expedite the construction of pump-out facilities through provisions requiring marinas to provide pump-out facilities for boat sewage with any expansion of mooring capacity, as set forth in Chapter 84.
50	Controls on anti-fouling coatings: <i>Code of Ordinances</i> Chapter 60	WQ, Soils/SEZ, Fish	N	The Shoreline Plan will not modify controls of anti-fouling coatings as set forth in Chapter 60.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
51	Modifications to list of exempt activities	WQ, Soils/SEZ	Y	<p>The Shoreline Plan includes amendments to Chapter 82 to include exempt and qualified exempt activities, which will replace those shorezone-specific standards currently in Chapter 2 of the Code of Ordinances. Compliant Exempt activities may be undertaken with notice to TRPA; qualified exempt actions must first submit a declaration to TRPA attesting that the described activity will be undertaken consistent with the Code requirements.</p> <p>In general, activities on existing structures that occur only above waterline may be undertaken as an exempt activity regardless of cost. Exempt shorezone activities covers maintenance and repairs of existing structures. Activities that also occur below water and with minimal lake bottom disturbance may proceed as Qualified Exempt activities but only if a rigid set of conditions are met. QE activities are repairs occurring below water (e.g., pile replacement) and reconstructions.</p>

**WATER QUALITY/SEZ - SUPPLEMENTAL**

52	More stringent SEZ encroachment rules	WQ, Soils/SEZ, Wildlife, Fish	N	The Shoreline Plan does not include any provisions that would impact Compliance Measures 52 through 57.
53	More stringent coverage transfer requirements	WQ, Soils/SEZ	N	
54	Modifications to IPES	WQ, Soils/SEZ	N	
55	Increased idling restrictions	WQ, Soils/SEZ, AQ	N	
56	Control of upwind pollutants	WQ, Soils/SEZ, AQ	N	
57	Additional controls on combustion heaters	WQ, Soils/SEZ, AQ	N	

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
58	Improved exfiltration control program	WQ, Soils/SEZ	N	The Shoreline Plan does not include any provisions that would impact Compliance Measures 58 through 61.
59	Improved infiltration control program	WQ, Soils/SEZ	N	
60	Water conservation/flow reduction program	WQ, Soils/SEZ, Fish	N	
61	Additional land use controls	WQ, Soils/SEZ, Wildlife	N	
<b>AIR QUALITY/TRANSPORTATION - IN PLACE</b>				
62	Fixed Route Transit - South Shore: STAGE	Trans, Rec	N	The Shoreline Plan does not include any provisions that would impact the adopted Mobility 2035: Lake Tahoe Regional Transportation Plan, and Lake Tahoe Region Bicycle and Pedestrian Plan.
63	Fixed Route Transit - North Shore: TART	Trans, Rec	N	
64	Demand Responsive Transit - South Shore: Bus Plus, STAGE	Trans	N	
65	Seasonal Trolley Services - North and South Shores: South Shore TMA and Truckee-North Tahoe TMA	Trans, Rec	N	
66	Social Service Transportation	Trans	N	
67	Shuttle programs	Trans	N	
68	Ski shuttle services	Trans, Rec	N	
69	Intercity bus services	Trans	N	
70	Passenger Transit Facilities: South Y Transit Center	Trans	N	
71	Bikeways, Bike Trails	Trans, Noise, Rec, Scenic	N	
72	Pedestrian facilities	Trans, Rec, Scenic	N	
73	Wood heater controls: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	The Shoreline Plan does not include any provisions that would impact Code Chapter 65 or compliance measures 73 through 75.
74	Gas heater controls: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	
75	Stationary source controls: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	
76	U.S. Postal Service Mail Delivery	Trans	N	The Shoreline Plan does not include any provisions that would impact U.S. Postal Service Delivery.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
77	Indirect source review/air quality mitigation: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	See response to Compliance Measures 16 and 17.
78	Idling Restrictions: <i>Code of Ordinances</i> Chapter 65	WQ, AQ	N	
79	Vehicle Emission Limitations(State/Federal)	WQ, AQ	N	The Shoreline Plan does not include any provisions related to vehicle emission limitations established by the State/Federal Government.
80	Open Burning Controls: <i>Code of Ordinances</i> Chapters 61 and Chapter 65	WQ, AQ, Scenic	N	See response to Compliance Measures 16 and 17.
81	BMP and Revegetation Practices	WQ, AQ, Wildlife, Fish	Y	The Shoreline Plan does not alter existing provisions related to BMP compliance. All projects in the shorezone will be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. In addition, the Shoreline Plan will require that upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
82	Employer-based Trip Reduction Programs: <i>Code of Ordinances</i> Chapter 65	Trans	N	The Shoreline Plan do not include any provisions that would impact Code Chapter 65 or Compliance Measures 82 and 83.
83	Vehicle rental programs: <i>Code of Ordinances</i> Chapter 65	Trans	N	

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
84	Parking Standards	Trans	N	The Shoreline Plan does not include any provisions that would impact parking or transportation measures.
85	Parking Management Areas	Trans	N	
86	Parking Fees	Trans	N	
87	Parking Facilities	Trans	N	
88	Traffic Management Program - Tahoe City	Trans	N	
89	US 50 Traffic Signal Synchronization - South Shore	Trans	N	
90	General Aviation, The Lake Tahoe Airport	Trans, Noise	N	
91	Waterborne excursions	WQ, Trans, Rec	N	The Shoreline Plan does not alter provisions related to waterborne excursions.
92	Waterborne transit services	WQ, Trans, Scenic	Y	The Shoreline Plan amends Chapter 84 to allow for additional pier length to accommodate future waterborne transit facilities, if necessary. The Shoreline Plan also includes flexibility to allow marinas to adapt to changing lake levels and ensure navigation and access.
93	Air Quality Studies and Monitoring	WQ, AQ	Y	The Shoreline Plan does not alter existing requirements for continued air quality studies and monitoring.
94	Alternate Fueled Vehicle - Public/Private Fleets and Infrastructure Improvements	Trans	Y	The Shoreline Plan includes incentives for concessionaires and marinas to provide a cleaner motorized watercraft fleet. Rental boat fleets with engines that meet a CARB 3+ Star Rating will pay 50% less annual boat rental concession fees than fleets that are at a lower CARB rating/no CARB Rating. In addition, marinas are required to implement various environmental improvement projects with expansions of capacity. One of the improvements includes the installation of electric charging stations for cars.



Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
95	Demand Responsive Transit - North Shore	Trans	N	The Shoreline Plan does not include any provisions that would impact parking or transportation measures.
96	Tahoe Area Regional Transit Maintenance Facility	Trans	N	
97	Heavenly Ski Resort Gondola	Trans	N	

**AIR QUALITY/TRANSPORTATION - SUPPLEMENTAL**

98	Demand Responsive Transit - North Shore	Trans	N	The Shoreline Plan does not include any provisions that would impact the adopted Linking Tahoe: Lake Tahoe Regional Transportation Plan, and Lake Tahoe Region Bicycle and Pedestrian Plan.
99	Coordinated Transit System - South Shore	Trans	N	
100	Transit Passenger Facilities	Trans	N	
101	South Shore Transit Maintenance Facility - South Shore	Trans	N	
102	Transit Service - Fallen Leaf Lake	WQ, Trans	N	
103	Transit Institutional Improvements	Trans	N	
104	Transit Capital and Operations Funding Acquisition	Trans	N	
105	Transit/Fixed Guideway Easements - South Shore	Trans	N	
106	Visitor Capture Program	Trans	N	
107	Pedestrian and Bicycle Facilities-- South Shore	Trans, Rec	N	
108	Pedestrian and Bicycle Facilities-- North Shore	Trans, Rec	N	

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
109	Parking Inventories and Studies Standards	Trans	N	The Shoreline Plan does not include any provisions that would impact the adopted Linking Tahoe: Lake Tahoe Regional Transportation Plan, and Lake Tahoe Region Bicycle and Pedestrian Plan.
110	Parking Management Areas	Trans	N	
111	Parking Fees	Trans	N	
112	Establishment of Parking Task Force	Trans	N	
113	Construct parking facilities	Trans	Y	
114	Intersection improvements-- South Shore	Trans, Scenic	N	
115	Intersection improvements-- North Shore	Trans, Scenic	N	
116	Roadway Improvements - South Shore	Trans, Scenic	N	
117	Roadway Improvements - North Shore	Trans, Scenic	N	
118	Loop Road - South Shore	Trans, Scenic	N	
119	Montreal Road Extension	Trans	N	
120	Kingsbury Connector	Trans	N	
121	Commercial Air Service: Part 132 commercial air service	Trans	N	
122	Commercial Air Service: commercial air service that does not require Part 132 certifications	Trans	N	
123	Expansion of waterborne excursion service	WQ, Trans	N	
124	Re-instate the oxygenated fuel program	WQ, AQ	N	
125	Management Programs	Trans	N	
126	Around the Lake Transit	Trans	N	
<b>VEGETATION - IN PLACE</b>				
127	Vegetation Protection During Construction: <i>Code of Ordinances</i> Chapter 33	WQ, AQ, Veg, Scenic	N	The Shoreline Plan will not alter the provisions of Chapter 33 in the TRPA Code.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
128	Tree Removal: <i>Code of Ordinances</i> Chapter 61	Veg, Wildlife, Scenic	N	The Shoreline Plan will not alter the provisions of Chapter 61 in the TRPA Code.
129	Prescribed Burning: <i>Code of Ordinances</i> Chapter 61	WQ, AQ, Veg, Wildlife, Scenic	N	
130	Remedial Vegetation Management: <i>Code of Ordinances</i> Chapter 61	WQ, Veg, Wildlife	N	
131	Sensitive and Uncommon Plant Protection and Fire Hazard Reduction: <i>Code of Ordinances</i> Chapter 61	Veg, Wildlife, Scenic	N	
132	Revegetation: <i>Code of Ordinances</i> Chapter 61	WQ, Veg, Wildlife, Scenic	N	
133	Remedial Action Plans: <i>Code of Ordinances</i> Chapter 5	WQ, Veg	N	The Shoreline Plan will not alter the Remedial Action Plans.
134	Handbook of Best Management Practices	WQ, Soils/SEZ, Veg, Fish	Y	The Handbook of Best Management Practices will continue to be used to design and construct BMPs. The shorezone section of the handbook may be augmented with prescriptive best practices for contractors and property owners doing qualified exempt and permitted activities on lakefront properties and in the shorezone.
135	Shorezone protection	WQ, Soils/SEZ, Veg	Y	The Shoreline Plan includes amendments to Chapters 80 through 86 and retains provisions to protect the shorezone. The amendments include provisions for the protection of prime fish habitat, vegetation, SEZ, and wildlife. Projects that have the potential to detrimentally impact sensitive or uncommon plants must comply with the requirements set forth in Chapter 61. Mitigation at a rate of 1.5:1 is required for any projects that create a disturbance to prime fish habitat. Any new structure in the shorezone is prohibited within Stream-Mouth Protection Zones. See response to Compliance Measures 43 through 50 for additional details on shorezone protection.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
136	Project Review	WQ, Veg	Y	TRPA and its MOU partners will continue to perform project review and compliance inspections.
137	Compliance inspections	Veg	Y	
138	Development Standards in the Backshore	WQ, Soils/SEZ, Veg, Wildlife, Scenic	Y	The Shoreline Plan does not include amendments to Chapter 85: <i>Development in the Backshore</i> .
139	Land Coverage Standards: <i>Code of Ordinances</i> Chapter 30	WQ, Veg, Wildlife, Fish, Scenic	N	The Shoreline Plan does not alter limits on land coverage for new development. Projects in the shorezone will continue to be subject to the provisions regarding land coverage identified in Chapter 30.
140	Grass Lake, Research Natural Area	WQ, Veg, Wildlife, Fish, Scenic	N	N/A
141	Conservation Element, Vegetation Subelement: Goals and Policies	Veg, Wildlife, Fish	N	The Shoreline Plan will not affect the goals and policies contained in the Conservation Element, Vegetation Subelement.
142	Late Successional Old Growth (LSOG): <i>Code of Ordinances</i> Chapter 61	Veg, Wildlife, Fish	N	The Shoreline Plan will not modify requirements regarding LSOG or stream environment zone vegetation in Chapter 61.
143	Stream Environment Zone Vegetation: <i>Code of Ordinances</i> Chapter 61	WQ, Veg, Wildlife, Fish	Y	
144	Tahoe Yellow Cress Conservation Strategy	Veg	Y	The Shoreline Plan amends Chapter 80 to include provisions for conservation of Tahoe Yellow Cress. Projects that have the potential to detrimentally impact sensitive or uncommon plants must comply with the mitigation, construction, and survey measures listed in Code Section 61.3.6, and the Tahoe Yellow Cress Conservation Strategy. Where appropriate, TRPA will require interpretive signs to educate the public, designated trails through high-use areas, and/or fenced enclosures to protect vulnerable plant populations.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
145	Control and/or Eliminate Noxious Weeds	Veg, Wildlife	Y	Fees collected from the Shoreline Plan will provide additional funding for the control portion of the Aquatic Invasive Species (AIS) Program. Funding will be used to implement projects that reduce the abundance and distribution of noxious weeds and other existing AIS in Lake Tahoe.
146	Freel Peak Cushion Plant Community Protection	Veg	N	N/A
<b>VEGETATION - SUPPLEMENTAL</b>				
147	Deepwater Plant Protection	WQ, Veg	Y	Chapter 61 in the Code of Ordinances lists deepwater plants of Lake Tahoe within the list of uncommon plant communities. The proposed amendments do not include revisions to Chapter 61. Furthermore, amendments to Chapter 80 include provisions for compliance with Chapter 61 requirements for uncommon plant species. Projects will be reviewed on a case-by-case basis and those that significantly or adversely impact deepwater plant species will not be approved.
<b>WILDLIFE - IN PLACE</b>				
148	Wildlife Resources: <i>Code of Ordinances</i> Chapter 62	Wildlife, Noise	Y	The Shoreline Plan will not modify Chapter 62: Wildlife Resources.
149	Stream Restoration Program	WQ, Soils/SEZ, Veg, Wildlife, Fish, Rec, Scenic	Y	The Shoreline Plan does not include any changes to the Stream Restoration Program. The amendments include prohibition of any new structure in the shorezone being built within Stream-Mouth Protection Zones.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
150	BMP and revegetation practices	WQ, Veg, Wildlife, Fish, Scenic	Y	The Shoreline Plan does not include any changes to existing BMP and revegetation requirements. In some cases, the plan could result in increased BMP compliance due to requirements to have these in place on upland properties prior to applying for a new mooring. Marinas would also be required to have BMP's in place prior to new projects. See also Compliance Measures 1 through 4.
151	OHV limitations	WQ, Soils/SEZ, AQ, Wildlife, Noise, Rec	Y	The Shoreline Plan does not include any changes to OHV limitations.
152	Remedial Action Plans: <i>Code of Ordinances</i> Chapter 5	Wildlife	N	See response to Compliance Measure 133.
153	Project Review	Wildlife	Y	TRPA and other applicable agencies with jurisdiction on the Lake will continue to perform project review and compliance inspections. These agencies include but are not limited to California State Lands Commissions, Nevada Division of State Lands, and the U.S. Army Corps of Engineers.
<b>FISHERIES - IN PLACE</b>				
156	Fish Resources: <i>Code of Ordinances</i> Chapter 63	WQ, Fish	Y	The Shoreline Plan amends Chapter 63 to remove the prohibition on physical alteration of substrate in prime fish habitat. New language in Chapter 84: <i>Development Standards Lakeward of High Water In the Shorezone and Lakezone</i> includes a 1.5:1 mitigation ratio for any activity that is altering the substrate in "Spawning Habitat" or "Feeding and/or Escape Cover Habitat". The amendments will benefit fisheries through effectively creating additional prime fish habitat through any project/activity performed in areas identified as prime fish habitat.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
157	Tree Removal: <i>Code of Ordinances</i> Chapter 61	Wildlife, Fish	N	The Shoreline Plan does not change tree removal provisions of Chapter 61.
158	Shorezone BMPs	WQ, Fish	Y	The Shoreline Plan will not alter existing provisions related to BMP compliance. All projects in the shorezone will be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. The Shoreline Plan will require that upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.
159	Filling and Dredging: <i>Code of Ordinances</i> Chapter 84	WQ, Fish	Y	The Shoreline Plan restructures and amends Chapter 84 to update Section 84.9: <i>Filling and Dredging to include applicability, eligibility, and development standards subsections</i> . The Plan allows filling and dredging only at marinas, public boat ramps and public health and safety facilities. No dredging or filling will be permitted which results in the permanent siltation of spawning habitat. All dredging must comply with dredging BMPs and all upland BMPs must be installed prior to receiving a permit. All environmental impacts of dredging and filling must be mitigated.
160	Location standards for structures in the shorezone: <i>Code of Ordinances</i> Chapter 84	WQ, Fish	Y	The Shoreline Plan includes amendments to Chapter 84 that now list specific location standards for piers, moorings, and boat ramps.
161	Restrictions on SEZ encroachment and vegetation alteration	WQ, Soils/SEZ, Fish	Y	The Shoreline Plan will not alter restrictions on SEZ encroachment and vegetation alteration.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
162	SEZ Restoration Program	WQ, Soils/SEZ, Fish	Y	The Shoreline Plan does not affect or alter the SEZ restoration program.
163	Stream restoration program	WQ, Soils/SEZ, Fish	Y	The Shoreline Plan includes amendments to Chapter 63 and Chapter 66. However, these amendments do not include changes to the stream restoration program or riparian restoration. The Shoreline Plan amendments include a prohibition on new structures within Stream-Mouth Protection Zones.
164	Riparian restoration	WQ, Soils/SEZ, Fish	Y	
165	Livestock: <i>Code of Ordinances</i> Chapter 64	WQ, Soils/SEZ, Fish	N	The Shoreline Plan will not modify livestock provisions as set forth in Chapter 64.
166	BMP and revegetation practices	WQ, Fish	Y	The Shoreline Plan does not alter provisions related to BMP compliance. All projects in the shorezone will be subject to the BMP requirements in Chapter 60 of the TRPA Code of Ordinances. The Shoreline Plan will require that upland BMPs be in place prior to submitting an application for new moorings, and therefore the Plan will expedite the completion of BMP's on properties in the Shorezone. Furthermore, the impacts from authorized coverage and disturbance must be mitigated through the application of BMPs, and the restoration at the rate of 1.5 times the backshore area covered or permanently disturbed by the project.



Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
167	Fish habitat study	Fish	Y	The Shoreline Plan amends Chapter 63 to remove the prohibition on physical alteration of substrate in prime fish habitat. New language in Code Section 84.11 includes a 1.5:1 mitigation ratio for any activity that is altering the substrate in "Spawning Habitat" or "Feeding and/or Escape Cover Habitat". The amendments will benefit fisheries through effectively creating additional prime fish habitat through any project/activity performed in areas identified as prime fish habitat.
168	Remedial Action Plans: <i>Code of Ordinances</i> Chapter 5	Fish	N	The Shoreline Plan will not alter the Remedial Action Plans.
169	Mitigation Fee Requirements: <i>Code of Ordinances</i> Chapter 86	Fish	Y	The Shoreline Plan amendments moves mitigation fee requirements in Chapter 86 to Chapter 84 of the TRPA Code. The amendments add language in Code Section 84.11 which includes a 1.5:1 mitigation ratio for any activity that is altering the substrate in "Spawning Habitat" or "Feeding and/or Escape Cover Habitat". The amendments will benefit fisheries through effectively creating additional prime fish habitat through any project/activity performed in areas identified as prime fish habitat.
170	Compliance inspection	Fish	N	The Shoreline Plan does not modify existing compliance, inspection programs or provisions.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
171	Public Education Program	Wildlife, Fish	Y	The Shoreline Plan does not alter provisions related to existing public education programs. The amendments include a prohibition on beaching boats in fish spawning habitat. To increase awareness and compliance of this prohibition, prime fish habitat will be identified on boating maps, on-site signage, and on the boating mobile phone application. The plan will provide education to boaters at various facilities around Lake Tahoe.
<b>NOISE - IN PLACE</b>				
172	Airport noise enforcement program	Wildlife, Fish	N	The Shoreline Plan does not modify existing goals or policies related to noise. Projects in the shorezone will be subject to existing enforcement programs.
173	Boat noise enforcement program	Wildlife, Fish, Rec	Y	The Shoreline Plan includes a prohibition on vessels operating on Lake Tahoe which have an exhaust system directly to the air that generates noise which exceeds TRPA or applicable state standards. Additional funding from the Shoreline Plan will be used for increased enforcement and monitoring of boat noise.
174	Motor vehicle/motorcycle noise enforcement program: <i>Code of Ordinances</i> Chapters 5 and 23	Wildlife, Fish	N	The Shoreline Plan does not modify existing goals or policies related to noise. Projects in the shorezone will be subject to existing enforcement programs.
175	ORV restrictions	AQ, Wildlife, Noise, Rec	N	The Shoreline Plan is not modifying existing ORV or snowmobile conditions.
176	Snowmobile Restrictions	WQ, Wildlife, Noise, Rec	N	
177	Land use planning and controls	Wildlife, Noise	N	The Shoreline Plan will not alter land use planning and controls.
178	Vehicle trip reduction programs	Trans, Noise	N	The Shoreline Plan will not alter vehicle trip reductions programs.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
179	Transportation corridor design criteria	Trans, Noise	N	N/A
180	Airport Master Plan South Lake Tahoe	Trans, Noise	N	N/A
181	Loudspeaker restrictions	Wildlife, Noise	N	The Shoreline Plan is not modifying loudspeaker restrictions.
182	Project Review	Noise	N	The Shoreline Plan will not alter project review.
183	Complaint system: <i>Code of Ordinances</i> Chapters 5 and 68	Noise	N	Existing compliant systems are not being modified.
184	Transportation corridor compliance program	Trans, Noise	N	The Shoreline Plan will not alter the transportation corridor compliance program.
185	Exemptions to noise limitations	Noise	Y	The Shoreline Plan includes a prohibition on vessels operating on Lake Tahoe which have an exhaust system directly to the air that generates noise which exceeds TRPA or applicable state standards, with the exception of classic or antique boats.
186	TRPA's Environmental Improvement Program (EIP)	Noise	N	The Shoreline Plan will not alter programs to control noise in the EIP.
187	Personal watercraft noise controls	Wildlife, Noise	Y	The Shoreline Plan includes a prohibition on vessels operating on Lake Tahoe that generates noise which exceeds TRPA or applicable state standards; however, personal watercraft do not typically contain these types of engines. Instead personal watercraft noise will be addressed through increased enforcement and education of the no wake zone and other buffer zones.

**NOISE - SUPPLEMENTAL**

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
188	Create an interagency noise enforcement MOU for the Tahoe Region.	Noise	Y	The Shoreline Plan does not include an interagency noise enforcement MOU for the Tahoe Region. However, TRPA will work with local law enforcement and marinas to remove vessels that generate noise which exceeds TRPA or applicable state standards. Furthermore, TRPA will coordinate with enforcement agencies on the lake to improve compliance of the no wake zone, and target education and patrol of areas where noise and other regulations are violated.
<b>RECREATION - IN PLACE</b>				
189	Allocation of Development: <i>Code of Ordinances</i> Chapter 50	Rec	N	See response to Compliance Measure 10.
190	Master Plan Guidelines: <i>Code of Ordinances</i> Chapter 14	Rec, Scenic	Y	The requirement for a marina master plan has been removed and replaced with provisions that provide specific marina development standards in proposed Code Section 84.6. Provisions are made for low lake adaptation and flexibility in design. Environmental improvements are required at marinas based on the scale of the project and increase in capacity. All marinas are required to implement an Aquatic Invasive Species Management Plan within three years of adoption of the plan.
191	Permissible recreation uses in the shorezone and lake zone: <i>Code of Ordinances</i> Chapter 81	WQ, Noise, Rec	Y	The Shoreline Plan amendments include updates to Chapter 81 to include Area Plans as well as Plan Area Statements.
192	Public Outdoor recreation facilities in sensitive lands	WQ, Rec, Scenic	N	The Shoreline Plan is not altering provisions regarding public outdoor recreation in sensitive lands.
193	Hiking and riding facilities	Rec	N	The Shoreline Plan will not alter hiking or riding facilities.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
194	Scenic quality of recreation facilities	Rec, Scenic	Y	The Shoreline Plan will not modify scenic quality standards of recreation facilities. Furthermore, the plan includes recreation monitoring of visitor experience and user conflicts related to shorezone/lakezone activities.
195	Density standards	Rec	N	The Shoreline Plan does not alter provisions nor include projects that would affect the density standards as described in this Chapter. The plan, does include eligibility and location standards for piers. These provisions are included in Code Section 84.4.
196	Bonus incentive program	Rec	N	The Shoreline Plan does not alter existing bonus incentive programs with regards to recreation facilities.
197	Required Findings: <i>Code of Ordinances</i> Chapter 4	Rec	N	All applicable TRPA Code findings will continue to apply to all projects in the shorezone.
198	Lake Tahoe Recreation Sign Guidelines	Rec, Scenic	Y	The Shoreline Plan will not impact or alter the Lake Tahoe Recreation Sign Guidelines. Furthermore, the Shoreline Plan will allow the placement of signs that relate to navigation, public access, or resource protection above highwater.
199	Annual user surveys	Rec	Y	The Shoreline Plan includes recreation monitoring of visitor experience and user conflicts related to shorezone/lakezone activities.

**RECREATION - SUPPLEMENTAL**

200	Regional recreational plan	Rec	Y	The Shoreline Plan will help to implement, through permitting, maintenance, and expansion of access to public recreation facilities, the Goals and Policies in the Recreation Element of the Regional Plan.
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Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
201	Establish fair share resource capacity estimates	Rec	N	The Shoreline Plan does not establish or alter fair share resource capacity estimates, alter reservations of additional resource capacity, or include economic modeling.
202	Reserve additional resource capacity	Rec	N	
203	Economic Modeling	Rec	N	
<b>SCENIC - IN PLACE</b>				
204	Project Review and Exempt Activities: <i>Code of Ordinances</i> Chapter 2	Scenic	Y	The Shoreline Plan includes amendments to Chapter 82 to include exempt and qualified exempt activities, which will replace those shorezone-specific standards currently in Chapter 2 of the Code of Ordinances. Compliant Exempt activities may be undertaken with notice to TRPA; qualified exempt actions must first submit a declaration to TRPA attesting that the described activity will be undertaken consistent with the Code requirements. TRPA and its MOU partners will continue to perform project review and compliance inspections.
205	Land Coverage Limitations: <i>Code of Ordinances</i> Chapter 30	WQ, Scenic	N	The Shoreline Plan will not alter Land Coverage Limitation in Chapter 30.
206	Height Standards: <i>Code of Ordinances</i> Chapter 37	Scenic	N	The Shoreline Plan does not alter provisions related to height standards in Chapter 37.
207	Driveway and Parking Standards: <i>Code of Ordinances</i> Chapter 34	Trans, Scenic	N	The Shoreline Plan does not propose any changes to Driveway and Parking Standards in Chapter 34.
208	Signs: <i>Code of Ordinances</i> Chapter 38	Scenic	Y	The Shoreline Plan does not propose any changes to Sign Standards in Chapter 38.
209	Historic Resources: <i>Code of Ordinances</i> Chapter 67	Scenic	N	The Shoreline Plan does not propose changes to historic resource standards in Chapter 67.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
210	Design Standards: <i>Code of Ordinances</i> Chapter 36	Scenic	Y	The Shoreline Plan does not alter design standards in Chapter 36. Projects in the Shorezone will be subject to design standards set forth in Chapter 36 as well as the shorezone design standards set forth in Chapter 83.
211	Shorezone Tolerance Districts and Development Standards: <i>Code of Ordinances</i> Chapter 83	Scenic	Y	The Shoreline Plan does not amend Chapter 83 related to Tolerance District standards
212	Development Standards Lakeward of Highwater: <i>Code of Ordinances</i> Chapter 84	WQ, Scenic	Y	<p>The Shoreline Plan includes amendments to development standards in Chapter 84. Development standards are listed by development type including piers, moorings, boat ramps, and marinas.</p> <p>New piers are prohibited within Stream-Mouth Protection Zones and have additional requirements based on scenic character type. New piers must comply with all scenic design standards. Additional mitigation is required for new piers located in prime fish habitat.</p> <p>New moorings are prohibited within Stream-Mouth Protection Zones. All upland BMPs must be installed prior to submitting an application for a new mooring.</p> <p>New boat ramps are prohibited within Stream-Mouth Protection Zones and within fish spawning habitat. An approved water quality mitigation plan that meets TRPA BMP requirements will be required for any new boat ramp.</p>
213	Grading Standards: <i>Code of Ordinances</i> Chapter 33	WQ, Scenic	N	Grading and vegetation protection during construction shall continue to be required to meet the provisions of TRPA Code, Chapter 33, Grading and Construction.
214	Vegetation Protection During Construction: <i>Code of Ordinances</i> Chapter 33	AQ, Veg, Scenic	N	
215	Revegetation: <i>Code of Ordinances</i> Chapter 61	Scenic	N	The Shoreline Plan will not modify the revegetation standards in Chapter 61.

Compliance Measures Affected by the Shoreline Plan

Tracking Number	Compliance Measure Description	Affected Threshold Categories	Affected by Action (Y/N)	Comments
216	Design Review Guidelines	Scenic	Y	The Shoreline Plan does not affect existing design guidelines. Projects in the shorezone will be required to comply with design review guidelines contained in Chapter 66 as well as additional Chapter 84.
217	Scenic Quality Improvement Program(SQIP)	Scenic	Y	The Shoreline Plan includes an in lieu fee to mitigate the scenic impacts of buoys. Mitigation fees will contribute to projects identified in the SQIP.
218	Project Review Information Packet	Scenic	N	The Shoreline Plan will not modify requirements for shorezone projects in the project review information packet.
219	Scenic Quality Ratings, Features Visible from Bike Paths and Outdoor Recreation Areas Open to the General Public	Trans, Scenic	N	The Shoreline Plan does not modify scenic quality ratings.
220	Nevada-side Utility Line Undergrounding Program	Scenic	N	The Shoreline Plan will not modify the Nevada-side Utility Line Undergrounding Program.
<b>SCENIC - SUPPLEMENTAL</b>				
221	Real Time Monitoring Program	Scenic	N	The Shoreline Plan will not affect the real time monitoring program.
222	Integrate project identified in SQIP	Scenic	Y	The Shoreline Plan would improve compliance with the SQIP, through contribution of a scenic in lieu fee for buoys.