

Attachment E: Bridge

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
2	Total phosphorus	Water Quality	Deep Water (Pelagic) Lake Tahoe	Reduce fine sediment particles (inorganic particle size < 16 micrometers in diameter), total phosphorus , and total nitrogen in order to achieve the following long-term water quality standards for deep water (pelagic zone) Lake Tahoe: <ul style="list-style-type: none"> · The annual average deep water 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. · Maintain annual mean phytoplankton primary productivity at or below 52gmC/m2/yr. 	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 4 and 5. Indirect overlap 7, 21, 35, 41, 47, 52.	WQ35	Combined to address competing target and indirect overlap.
3	Total nitrogen	Water Quality	Deep Water (Pelagic) Lake Tahoe	Reduce fine sediment particles (inorganic particle size < 16 micrometers in diameter), total phosphorus, and total nitrogen in order to achieve the following long-term water quality standards for deep water (pelagic zone) Lake Tahoe: <ul style="list-style-type: none"> · The annual average deep water 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. · Maintain annual mean phytoplankton primary productivity at or below 52gmC/m2/yr. 	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 4 and 5. Indirect overlap with 10, 11, 12, 13, 14, 15, 16, 20, 34, 40, 46, 51, 73, 82.	WQ36	Combined to address competing target and indirect overlap.
7	Dissolved phosphorus	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 4 and 5. Indirect overlap 2, 35, 41, 47, 52. Competes with 21.	WQ38	Combined to address competing target and indirect overlap.
8	iron	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 4 and 5. Competing Targets with 22. Indirect overlap with 22, 37, 40, 41, 42, 48, 53.	WQ39	Combined to address competing target and indirect overlap.

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
9	Other algal nutrients	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Encompassed by 4 and 5. Competing Targets with 23. Indirect overlap with 7, 8, 20, 21, 22, 23, 24, 25, 44.	WQ40	Combined to address competing target.
10	Pelagic nitrogen loading surface runoff	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Complete overlap with 14, 15, 16. Competes with 13. Indirect overlap with 11, 20, 23, 24, 40, 46, 51.	WQ41	Combined to address competing target and complete overlap.
11	Pelagic nitrogen loading groundwater	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Competes with 13. Complete overlap with 14, 15, 16. Indirect overlap with 12, 14, 15, 16, 46, 51.	WQ41	Combined to address competing target and complete overlap.

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
12	Pelagic nitrogen loading atmospheric sources	Water Quality	Deep Water (Pelagic) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Complete overlap with 14, 15, 16. Competes with 13, Indirect overlap with 3, 73, 82.	WQ41	Combined to address competing target and complete overlap.
13	Littoral Total Dissolved Inorganic Nitrogen (DIN) Loading	Water Quality	Nearshore (Littoral) Lake Tahoe	Reduce dissolved inorganic nitrogen loading to Lake Tahoe from all sources by 25 percent of the 1973-81 annual average.	Competing Targets, Indirect Overlap	Competes with 10, 11, 12, 14,15,16, 26, 27, 28. Indirect overlap with 3,20, 34, 40, 46, 51, 73, 82.	WQ41	Combined to address competing overlap and indirect overlap.
14	Littoral nitrogen loading surface runoff	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Complete overlap 10, 11, 12. Indirect overlap with 56. Competes with 13, 15, 16, 40, 46, 51.	WQ41	Combined to address competing target and complete overlap.

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
15	Littoral nitrogen loading groundwater	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Complete overlap with 10, 11, 12. Indirect overlap with 64, 69. Competes with 11, 12, 14, 16, 46, 51	WQ41	Combined to address competing target and complete overlap.
16	Littoral nitrogen loading atmospheric sources	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Indirect Overlap, Complete Overlap, Competing Targets	Complete overlap with 14-16. Competes with 8, 28. Indirect overlap with 14, 15, 73, 82.	WQ41	Combined to address competing target and complete overlap.
20	Littoral nitrogen loading - pp & periphyton	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Competing Targets, Indirect Overlap, Wholly Encompassing Standards	Encompassed by 24, 25. Indirect overlap with 3, 40, 46, 51, 73, 82. Competes with 10, 11, 12, 13, 14, 15, 16.	WQ41	Combined to address competing target and complete overlap.
21	Littoral phosphorus loading - pp & periphyton	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Competing Targets, Indirect Overlap, Wholly Encompassing Standards	Encompassed by 24, 25. Competes with 7, 20. Indirect overlap with 35, 41, 47, 52.	WQ38	Combined to address competing target and complete overlap.

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
22	Littoral iron loading - pp & periphyton	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Competing Targets, Indirect Overlap, Wholly Encompassing Standards	Encompassed by 24, 25. Competes with 26,8,28,10,11,12,13,14,15,16,21,20,22,53,54,39,60,61,62,63. Indirect overlap with 49-52, 56-59.	WQ39	Combined to address competing target and complete overlap.
23	Littoral other algal nutrients loading - pp & periphyton	Water Quality	Nearshore (Littoral) Lake Tahoe	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.	Competing Targets, Indirect Overlap, Wholly Encompassing Standards	Encompassed by 24, 25. Competes with 9. Indirect overlap with 35, 41, 47, 52.	WQ40	Combined to address competing target and complete overlap.
38	Nutrient Load (Tributaries)	Water Quality	Tributaries	Reduce total annual nutrient and suspended sediment load to achieve loading thresholds for littoral and pelagic Lake Tahoe.	Wholly Encompassing Standards, Competing Targets, Indirect Overlap	Encompassed by 4, 5, 24, 25. Competing Targets with 23. Indirect overlap with 7, 8, 20, 21, 22, 23, 24, 25, 44.	WQ35,WQ36,WQ38,WQ39,WQ40,WQ41	Combined to address competing target and complete overlap.
39	Suspended Sediment Load (Tributaries)	Water Quality	Tributaries	Reduce total annual nutrient and suspended sediment load to achieve loading thresholds for littoral and pelagic Lake Tahoe.	Wholly Encompassing Standards, Competing Targets, Indirect Overlap	Encompassed by 4, 5,18, 19. Indirect overlap 1, 37, 43, Competing targets 17, 39, 45.	WQ29	Combined to address competing target and complete overlap.
44	Total Nutrients (Surface Runoff)	Water Quality	Surface Runoff	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Wholly Encompassing Standards, Competing Targets, Indirect Overlap	Encompassed by 4, 5, 24, 25. Competing Targets with 23. Indirect overlap with 7, 8, 20, 21, 22, 23, 24, 25, 38.	WQ35,WQ36,WQ38,WQ39,WQ40,WQ41	Combined to address competing target and complete overlap.

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
45	Suspended sediment (Surface Runoff)	Water Quality	Surface Runoff	Reduce total annual nutrient and suspended sediment loads as necessary to achieve loading thresholds for tributaries and littoral and pelagic Lake Tahoe.	Wholly Encompassing Standards, Competing Targets, Indirect Overlap	Encompassed by 4, 5,18, 19. Indirect overlap 1, 37, 43, Competing targets 17, 39.	WQ34,37	Combined to address competing target and complete overlap.
94	Non-Degradation of Stream Environment Zones	Vegetation	Common Vegetation	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.	Complete Overlap, Indirect overlap	Complete Overlap with 129. Indirect overlap with 66, 87, 88, 117.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
102	Grass Lake (sphagnum fen)	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog) , (3) Osgood swamp, (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh, (6) Pope Marsh, (7) Upper Truckee Marsh, and (8) Hell Hole.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
103	Osgood Swamp	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog), (3) Osgood swamp , (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh, (6) Pope Marsh, (7) Upper Truckee Marsh, and (8) Hell Hole.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
105	Taylor Creek Marsh	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog), (3) Osgood swamp, (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh , (6) Pope Marsh, (7) Upper Truckee Marsh, and (8) Hell Hole.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
106	Pope Marsh	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog), (3) Osgood swamp, (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh, (6) Pope Marsh , (7) Upper Truckee Marsh, and (8) Hell Hole.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
107	Upper Truckee Marsh	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog), (3) Osgood swamp, (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh, (6) Pope Marsh, (7) Upper Truckee Marsh , and (8) Hell Hole.	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
108	Hell Hole (sphagnum fen)	Vegetation	Uncommon Plant Communities	Provide for the non-degradation 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, (2) Grass Lake (sphagnum bog), (3) Osgood swamp, (4) the Freel Peak Cushion Plant community, (5) Taylor Creek Marsh, (6) Pope Marsh, (7) Upper Truckee Marsh, and (8) Hell Hole .	Wholly Encompassing Standards, Indirect Overlap	Encompassed by 94,129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).

82-11 Sequence Number	Name of Standard	Threshold Category	Reporting Category	Adopted TRPA Threshold Standard (TRPA Resolution 82-11)	Typology	Typology explanation	Proposed Standard #	Proposal Explanation
128	Deer Disturbance-Free Zone	Wildlife	Special Interest Species	Provide a minimum number of population sites and disturbance zones for the following species: Deer Disturbance zone (mi.): (mapped areas), Influence zone (mi.): Mapped areas	Wholly Encompassing Standards	Encompassed by 94, 129. Indirect overlap with 66.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).
129	Riparian habitat	Wildlife	Habitats of Special Significance	A non-degradation 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.	Complete Overlap, Indirect overlap	Complete Overlap with 94. Indirect overlap with 66, 128.	VP1	Wholly encompassed standards incorporated into single non-degradation standard for deciduous trees, wetlands, and meadows (VP1).