

ASSESSMENT OF LAND HEALTH IN WATERSHEDS OF POPULATIONS OF LAHONTAN CUTTHROAT TROUT (*Oncorhynchus clarkii henshawi*)

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Peter D. Lattin (Peter D Lattin Geospatial Analytics)

Prepared for Adam Bronstein, Western Watersheds Project (WWP), Oregon/Nevada Director

The condition of LCT occupied streams cannot be described in full, but there are several datasets that can provide evidence to reveal that in general, the watersheds containing occupied streams are in bad shape. The three datasets that we have available for assessing land health conditions in watersheds occupied by LCT. Two include a GIS layer containing BLM's Land Health Standards grazing allotment status (ca. 2020), compiled by P.D. Lattin from BLM records obtained through the Freedom of Information Act, and a second GIS layer containing field determinations of watershed condition by the USFS. Both the BLM allotments and the USFS watershed layers contain non-agency lands. A third layer was used to summarize occupied stream length by land ownership. There is overlap between USFS watersheds and BLM lands, so the summaries in the included tables are not independent. The land health and watershed condition datasets used in these summaries do not capture all occupied stream length as not all pass through BLM allotments or in watersheds assessed for condition by the USFS. An additional dataset, BLM's grazing allotment Selective Management Category designation is available but was not used for this summary of land health conditions.

The condition of rangelands in the ecoregions within the range of the Lahontan Cutthroat trout have been heavily degraded by both historic and current grazing management. Most of the occupied streams lie within the Central Basin and Range, and Northern Basin and Range Level III ecoregions. These ecoregions have low resistance and resilience to the effects of livestock grazing and this is reflected in the BLM land health status of allotments assessed in these two ecoregions. Both ecoregions have land health standards failure levels associated with grazing exceeding 40 percent, with failures attributed to any cause exceeding 50-60%. In Nevada, 63% of assessed lands fail due to livestock grazing impacts, and only 17% of the lands are within allotments identified as meeting fundamental land health requirements.

Fifty six percent (1,240 km) of occupied stream length (*based on GIS calculations, not NHD reach length*) passes through BLM grazing allotments, not all of which are BLM or public lands. Almost 60% (738 km) of stream length within BLM allotments have not yet been assessed, but it is expected that most of the area would fail to meet land health standards. Only 7% (88 km) of the stream length in LCT Management Units passing through assessed allotments, fall within allotments meeting standards. This is an astounding figure. More than 400 km of occupied streams pass through allotments failing to meet standards due to current livestock grazing management. This figure does not include impacts to stream and watershed health by historic

overgrazing. All allotments that failed to meet standards identified current livestock grazing management as a significant factor. It is therefore extremely likely that most of the occupied stream length in allotments where BLM has yet to conduct an assessment (738 km) will pass through lands heavily disturbed by livestock as well.

The USFS has conducted assessments of watershed condition based on attributes quite comparable to those used by BLM in their allotment Land Health Standards evaluations. Almost 1000 km of occupied streams are within the watersheds assessed by the USFS. The USFS reports watershed condition as “Functioning Properly”, “Functioning At Risk”, and “Impaired Function”. They assessed watersheds that contained at least 5% USFS land, so there is overlap between the allotments that they have assessed and some BLM allotments, as well as lands with other ownership. Although causal information is provided in USFS records to explain reasons for departure from proper function condition (PFC), only 10% (93 km) of occupied stream length within LCT Management Units fall within watersheds identified as “Functioning Properly”. This figure is also very alarming. The remaining 873 km that flow through watersheds assessed for condition are identified as “Functioning At Risk” (81%) or “Impaired Function” (9%).

BLM grazing allotments and USFS watersheds that have had a Watershed Condition assessment contain lands contain both agency lands, but a substantial fraction of private lands as well. Fifty four percent of the length of occupied streams within the LCT Management Units pass through BLM and USFS lands, and 41% private lands. The condition of BLM allotments is influenced by the condition of private inholdings, breakout was made of private lands that were outside BLM grazing allotments or outside of watersheds assessed for condition by the USFS, so no information can be provided regarding these lands in this brief summary.

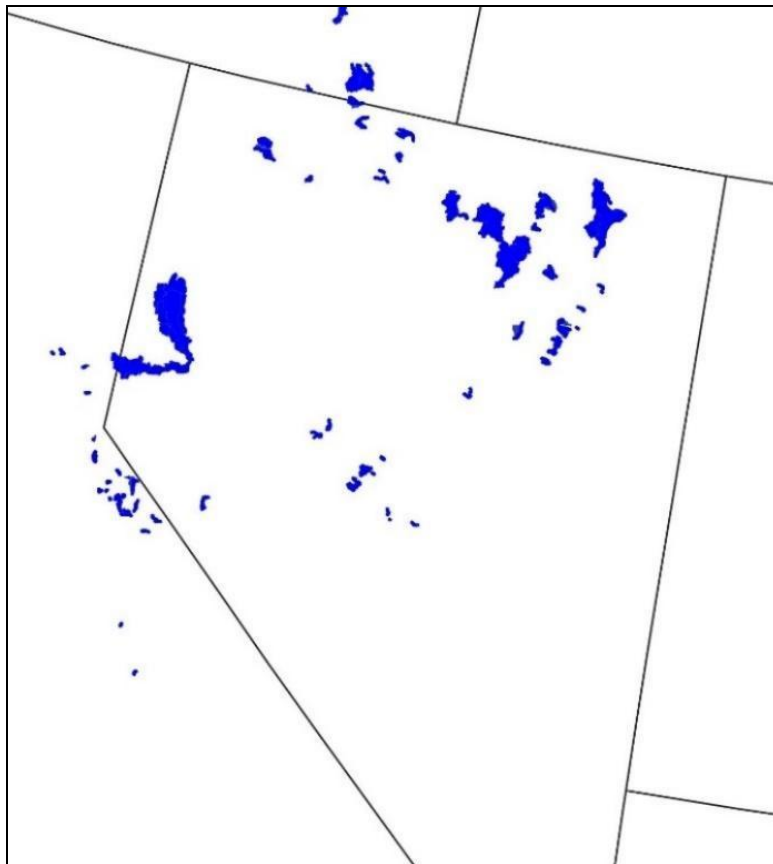


Figure 1. Lahontan Cutthroat Trout population reporting units and occupied streams

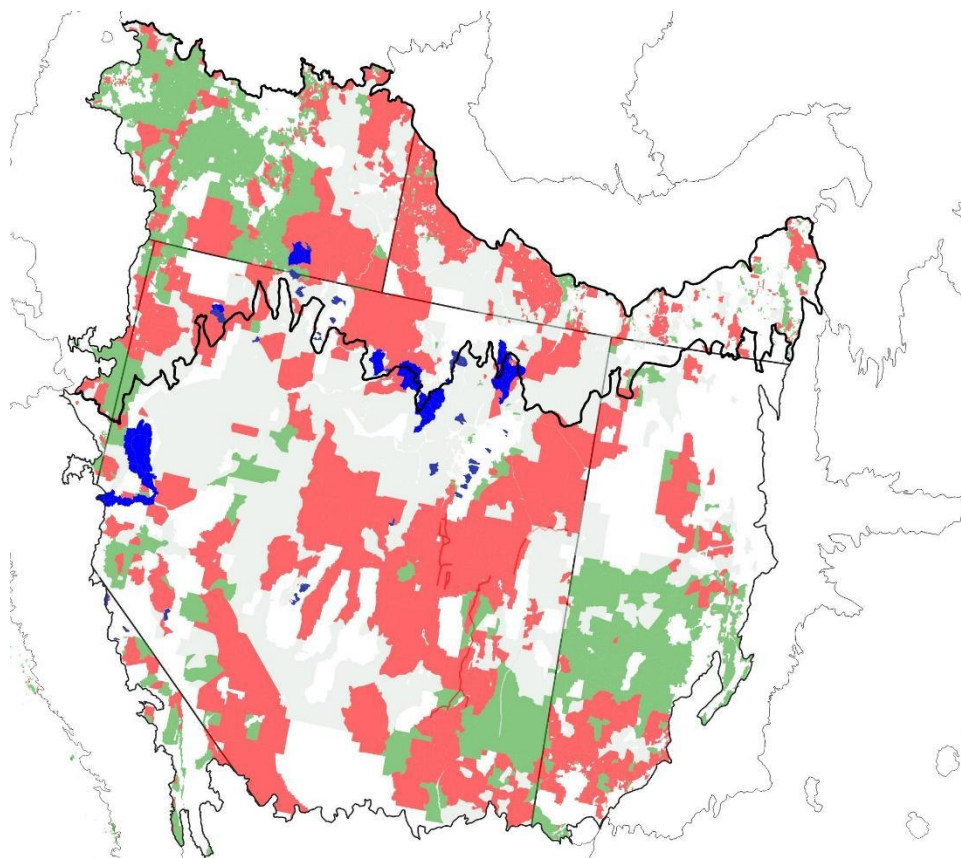


Figure 2. The figure above shows the Lahontan Cutthroat Trout Population Reporting Units (blue) and BLM grazing allotments within the Central Basin and Range and Northern Basin and Range Level III ecoregions. Areas in green are allotments identified by BLM as meeting all fundamental land health standards, and those in red failing. The vast majority (76%) of lands failing land health record current livestock grazing management as a significant cause. Areas in grey are allotments that have not yet had a formal land health standards evaluation, although all allotments are assigned a provisional Selective Management Categorical status that contains additional information on land health conditions. Most of the LCT population reporting unit area occurs in the northern CB&R and southern NB&R.

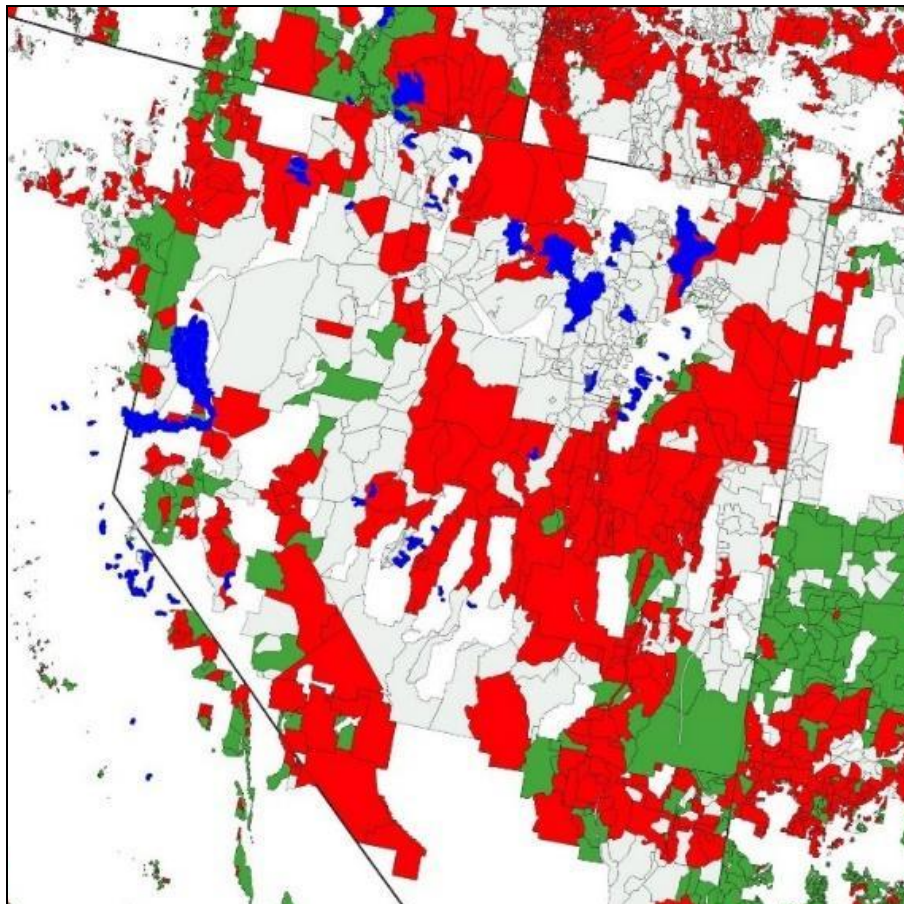


Figure 3. Bureau of Land Management livestock grazing allotments showing land health status. (Source: BLM land health standards field office records through 2019, obtained through multiple FOIA requests, compiled by P.D. Lattin)

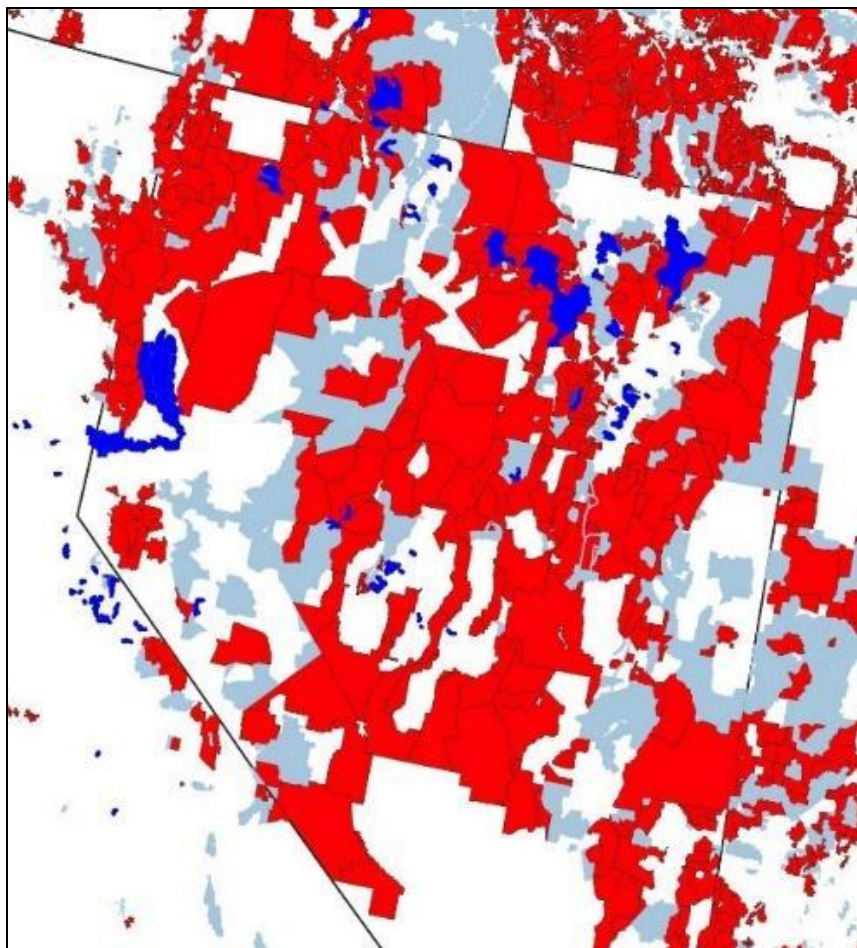


Figure 4. Bureau of Land Management grazing allotments showing Selective Management Categories "Maintain", where allotments are considered as being in acceptable condition (light blue), and those identified as likely to fail land health standards due to current livestock grazing management and prioritized for management action. (Source: BLM Rangeland Administration System (RAS) December 2021)

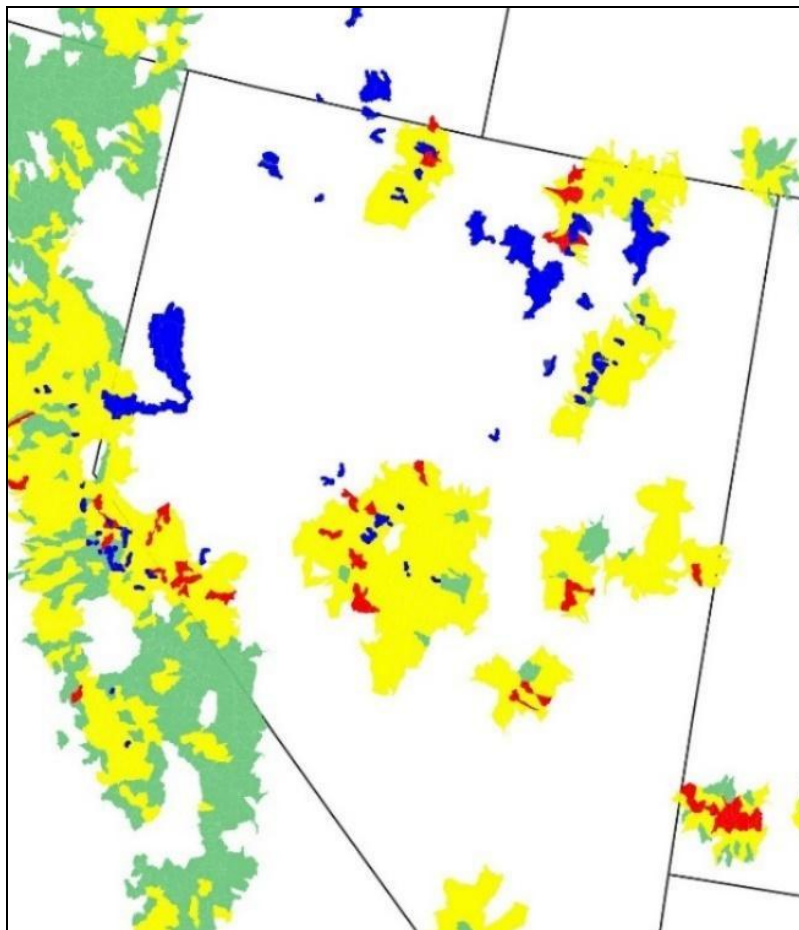


Figure 5. US Forest Service Watershed Condition Class and LCT Population Reporting Units. (Source: USFS)

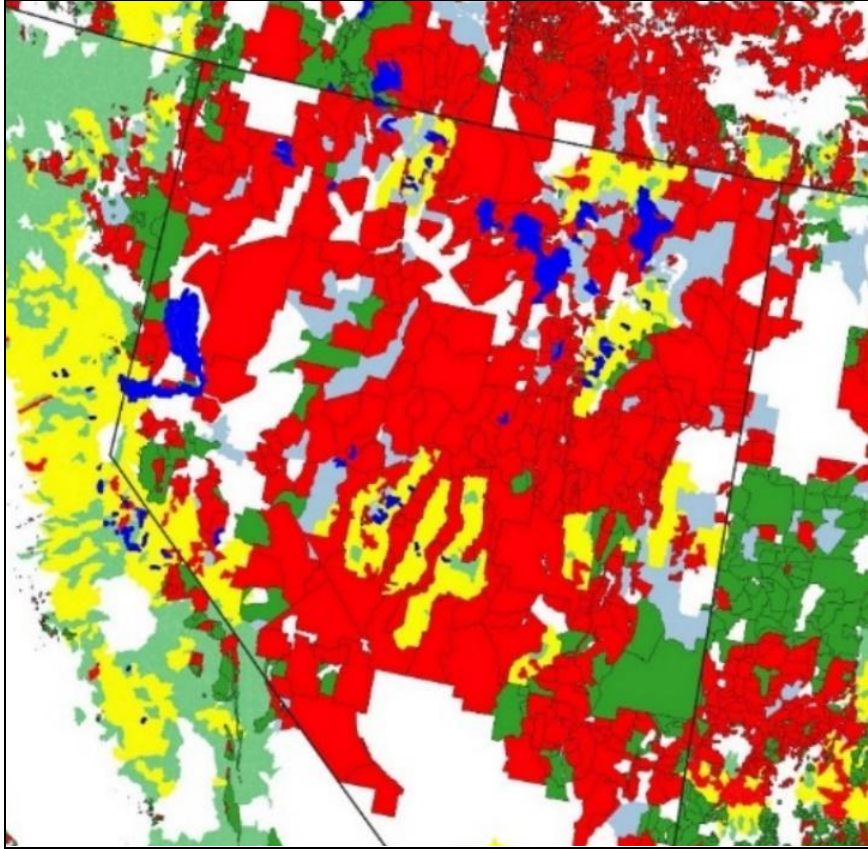


Figure 6. BLM grazing allotment land health status, selective management category, and USFS Watershed Condition with LCT Population Reporting Units and occupied streams. Areas in red represent BLM grazing allotments currently failing land health standards, allotments in BLM Selective Category "Improve", and USFS watersheds classified as "Impaired Functioning". Areas in yellow represent watersheds classified by USFS as "Functioning At Risk", and those in green BLM allotments identified as meeting land health standards and USFS watersheds classified as "Proper Functioning". Areas in light blue are BLM grazing allotments in the Selective Management Category "Maintain". Areas in white lack land health data. Although these three data sources define land health condition differently, the remaining LCT populations lie within a highly disturbed region.

APPENDIX - TABLES

Table (1) Occupied stream length¹ (km) by land ownership summarized by LCT MU

Table (2) Occupied stream length¹ (km) by BLM allotment Land Health Standards status summarized by LCT MU

Table (3) Occupied stream length¹ (km) by USFS Watershed Condition status summarized by LCT MU

Table (4) Occupied stream length¹ (km) by land ownership summarized by HUC10

Table (5) Occupied stream length¹ (km) by BLM allotment Land Health Standards status summarized by HUC10

Table (6) Occupied stream length¹ (km) by USFS Watershed Condition status summarized by HUC10

¹Stream length based on GIS calculations rather than reported NHD reach lengths.

Table (1) Occupied stream length (km) with LCT Management Units by land ownership. (Percent reflect percent of land ownership by land owner)

LCT_MU	BIA	BIA (%)	BLM	BLM (%)	BOR	BOR (%)	DOD	DOD (%)	FS	FS (%)	PVT	PVT (%)	Water	Water (%)	Land Ownership (total)
Carson	0	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	-
Humboldt/ Little	0	0%	61.16	39%	0%	0%	-	0%	43.29	28%	51.58	33%	-	0%	156.03
Humboldt/ North Fork	0	0%	0.93	1%	0%	0%	-	0%	86.37	55%	69.85	44%	-	0%	157.15
Humboldt/ Pine	0	0%	19.70	100%	0%	0%	-	0%	-	0%	-	0%	-	0%	19.70
Humboldt/ Rock	0	0%	65.47	23%	0%	0%	-	0%	-	0%	219.14	77%	-	0%	284.60
Humboldt/ South Fork	0.63	0%	6.49	4%	0%	0%	-	0%	139.91	77%	33.80	19%	-	0%	180.83
Humboldt/ Upper	0	0%	271.14	33%	0%	0%	-	0%	135.85	17%	407.73	50%	-	0%	814.72
Independence	0	0%	-	0%	0%	0%	-	0%	-	-	-	0%	-	0%	-
Out of Basin	0	0%	36.09	49%	0%		-	0%	31.55	43%	5.63	8%	-	0%	73.27
Pyramid-Truckee	56.25	32%	5.98	3%	2.23	1%	-	0%	6.70	4%	75.73	.43%	27.74	16%	174.63
Quinn	0	0%	104.41	58%	0%	0%	-	0%	44.86	25%	31.94	18%	-	0%	181.21
Reese	0	0%	1.10	1%	0%	0%	-	0%	105.86	97%	2.53	2%	-	0%	109.49
Summit	4.45	10%	27.32	62%	0%	0%	-	0%	-	0%	12.32	28%	-	0%	44.09
Tahoe	0	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	-	0%	-
Walker	0	0%	0%	0%	0%	0%	26.27	100%	-	0%	-	0%	-	0%	26.27
Willow-Whitehorse	0	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	-	0%	-
TOTAL	61.33	3%	599.78	27%	2.23	0%	26.27	1%	594.39	27%	910.24	41%	27.74	1%	2,222.00

Table (2) Occupied stream length (km) with LCT Management Units by BLM allotment Land Health Standards Evaluation status. (Percent reflect percent of total length within an LCT Management Unit). 82% of the stream length that passed through allotments failed to achieve land health standards.

LCT_MU	ALL STANDARD S MET	MET (%)	NOT MET - LIVESTOCK	NM - L (%)	NOT MET - CAUSE NOT IDENTIFIED	CNI (%)	NOT MET - OTHER	NM - OTHER (%)	NM - TOTAL	NM - TOTAL (%)	DETERMINATION NOT COMPLETE	DNC (%)	total
Carson	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.82	100%	1.82
Humboldt/Little	0.00	0%	0.36	0%	0.00	0%	0.00	0%	0.36	0%	105.86	100%	106.22
Humboldt/North Fork	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	43.13	100%	43.13
Humboldt/Pine	0.00	0%	8.01	41%	0.00	0%	0.00	0%	8.01	41%	11.70	59%	19.70
Humboldt/Rock	0.00	0%	204.34	72%	0.00	0%	0.00	0%	204.34	72%	80.27	28%	284.60
Humboldt/South Fork	2.49	8%	1.25	4%	0.00	0%	0.00	0%	1.25	4%	27.96	88%	31.70
Humboldt/Upper	0.00	0%	91.89	19%	0.00	0%	0.00	0%	91.89	19%	381.15	81%	473.04
Independence	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00
Out of Basin	38.35	40%	26.98	28%	0.00	0%	0.00	0%	26.98	28%	30.27	32%	95.60
Pyramid-Truckee	0.00	0%	0.00	0%	0.00	0%	0.63	100%	0.63	100%	0.00	0%	0.63
Quinn	47.29	30%	53.75	34%	0.00	0%	0.00	0%	53.75	34%	54.86	35%	155.89
Reese	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1.12	100%	1.12
Summit	0.00	0%	27.78	100%	0.00	0%	0.00	0%	27.78	100%	0.00	0%	27.78
Tahoe	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00
TOTALS	88.13	7%	414.35	33%	-	0%	0.63	0%	414.98	33%	738.12	59%	1,241.23

Table (3) Occupied stream length (km) with LCT Management Units by USFS Watershed Condition status. (Percent reflect percent of total length within an LCT Management Unit). 90% of the stream length that passed through USFS watersheds were classified as “Functioning At Risk” or “Impaired Function”.

LCT_MU	FUNCTIONING PROPERLY	FUNCTIONING PROPERLY (%)	FUNCTIONING AT RISK	FUNCTIONING AT RISK (%)	IMPAIRED FUNCTION	IMPAIRED FUNCTION (%)	TOTAL USFS Stream Length through Watersheds Assessed for Condition
Carson	49.41	75%	9.21	14%	7.40	11%	66.02
Humboldt/ Little	-	0%	40.66	77%	12.25	23%	52.91
Humboldt/ North Fork	-	0%	112.15	71%	44.99	29%	157.15
Humboldt/ Pine	-	0%	-	0%	-	0%	-
Humboldt/ Rock	-	0%	-	0%	-	0%	-
Humboldt/ South Fork	-	0%	152.87	100%	-	0%	152.87
Humboldt/ Upper	-	0%	215.34	100%	-	0%	215.34
Independence	-	0%	2.85	100%	-	0%	2.85
Out of Basin	14.85	23%	49.53	77%	-	0%	64.37
Pyramid-Truckee	-	0%	60.28	100%	-	0%	60.28
Quinn	-	0%	55.02	100%	-	0%	55.02
Reese	-	0%	87.62	80%	21.87	20%	109.49
Summit	-	0%	-	0%	-	0%	-
Tahoe	28.74	98%	0.46	2%	-	0%	29.20
TOTALS	93.00	10%	785.98	81%	86.52	9%	965.50

Table (4) Occupied stream length (km) by HUC10 by land ownership. (Percent reflect percent of total length within an HUC.

HUC10	Bureau of Indian Affairs	Bureau of Indian Affairs (%)	Bureau of Land Management	Bureau of Land Management (%)	Bureau of Reclamation	Bureau of Reclamation (%)	Department of Defense	Department of Defense (%)	Forest Service	Forest Service (%)	Private	Private (%)	Water	Water (%)	Ownership (total)
1604010201	0.00	0%	0.13	0%	0.00	0%	0.00	0%	79.20	58%	56.59	42%	0.00	0%	135.92
1604020104	0.00	0%	23.32	39%	0.00	0%	0.00	0%	30.23	50%	6.34	11%	0.00	0%	59.90
1604010104	0.00	0%	153.38	48%	0.00	0%	0.00	0%	117.43	37%	47.68	15%	0.00	0%	318.49
1604010702	0.00	0%	1.10	1%	0.00	0%	0.00	0%	105.86	97%	2.53	2%	0.00	0%	109.49
1604020105	0.00	0%	0.97	6%	0.00	0%	0.00	0%	14.62	90%	0.72	4%	0.00	0%	16.31
1604010906	0.00	0%	3.00	7%	0.00	0%	0.00	0%	31.37	77%	6.28	15%	0.00	0%	40.66
1604010305	0.00	0%	3.62	22%	0.00	0%	0.00	0%	12.25	75%	0.57	3%	0.00	0%	16.45
1604010202	0.00	0%	0.80	4%	0.00	0%	0.00	0%	7.17	34%	13.26	62%	0.00	0%	21.23
1604010107	0.00	0%	0.00	0%	0.00	0%	0.00	0%	10.68	100%	0.00	0%	0.00	0%	10.68
1604010304	0.00	0%	0.00	0%	0.00	0%	0.00	0%	71.96	98%	1.14	2%	0.00	0%	73.10
1604010106	0.00	0%	0.00	0%	0.00	0%	0.00	0%	7.74	77%	2.34	23%	0.00	0%	10.09
1604010309	0.63	1%	0.00	0%	0.00	0%	0.00	0%	55.70	88%	7.00	11%	0.00	0%	63.33
1604010903	0.00	0%	0.00	0%	0.00	0%	0.00	0%	11.92	97%	0.33	3%	0.00	0%	12.25
1605010205	0.00	0%	0.00	0%	0.00	0%	0.00	0%	6.70	13%	22.65	43%	22.77	44%	52.12
1605010206	4.85	8%	5.98	10%	2.23	4%	0.00	0%	0.00	0%	48.57	78%	0.59	1%	62.21
1605030202	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00
1605030103	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00
1605010103	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00
1604010110	0.00	0%	62.16	25%	0.00	0%	0.00	0%	0.00	0%	188.19	75%	0.00	0%	250.35
1604020213	4.45	8%	42.15	72%	0.00	0%	0.00	0%	0.00	0%	12.32	21%	0.00	0%	58.92
1604010108	0.00	0%	22.19	48%	0.00	0%	0.00	0%	0.00	0%	24.13	52%	0.00	0%	46.32
1604010111	0.00	0%	6.13	7%	0.00	0%	0.00	0%	0.00	0%	83.71	93%	0.00	0%	89.84

Table (4 - continued) Occupied stream length (km) by HUC10 by land ownership. (Percent reflect percent of total length within an HUC).

HUC10	Bureau of Indian Affairs	Bureau of Indian Affairs (%)	Bureau of Land Management	Bureau of Land Management (%)	Bureau of Reclamation	Bureau of Reclamation (%)	Department of Defense	Department of Defense (%)	Forest Service	Forest Service (%)	Private	Private (%)	Water	Water (%)	Ownership (total)
1604010601	0.00	0%	4.77	4%	0.00	0%	0.00	0%	0.00	0%	125.51	96%	0.00	0%	130.29
1604010602	0.00	0%	52.83	37%	0.00	0%	0.00	0%	0.00	0%	88.19	63%	0.00	0%	141.02
1604010308	0.00	0%	2.88	10%	0.00	0%	0.00	0%	0.00	0%	25.08	90%	0.00	0%	27.96
1604010604	0.00	0%	7.86	59%	0.00	0%	0.00	0%	0.00	0%	5.44	41%	0.00	0%	13.29
1604020102	0.00	0%	22.05	83%	0.00	0%	0.00	0%	0.00	0%	4.43	17%	0.00	0%	26.48
1604020207	0.00	0%	8.96	68%	0.00	0%	0.00	0%	0.00	0%	4.28	32%	0.00	0%	13.24
1604020106	0.00	0%	11.52	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	11.52
1604010902	0.00	0%	58.15	56%	0.00	0%	0.00	0%	0.00	0%	44.96	44%	0.00	0%	103.12
1604020205	0.00	0%	22.74	58%	0.00	0%	0.00	0%	0.00	0%	16.17	42%	0.00	0%	38.91
1604010401	0.00	0%	19.70	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	19.70
1604010105	0.00	0%	27.28	31%	0.00	0%	0.00	0%	0.00	0%	61.68	69%	0.00	0%	88.96
1605030404	0.00	0%	0.00	0%	0.00	0%	26.27	100%	0.00	0%	0.00	0%	0.00	0%	26.27
1605010303	21.30	84%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	4.13	16%	25.44
1605010301	30.10	87%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	4.50	13%	0.00	0%	34.61
1605010305	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.25	100%	0.25
1605010306	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00
1606000405	0.00	0%	0.00	0%	0.00	0%	0.00	0%	8.25	100%	0.00	0%	0.00	0%	8.25
1606000502	0.00	0%	0.00	0%	0.00	0%	0.00	0%	9.44	100%	0.00	0%	0.00	0%	9.44
1606000407	0.00	0%	0.00	0%	0.00	0%	0.00	0%	2.74	83%	0.58	17%	0.00	0%	3.32
1606000409	0.00	0%	0.00	0%	0.00	0%	0.00	0%	8.14	100%	0.00	0%	0.00	0%	8.14
1606000712	0.00	0%	0.00	0%	0.00	0%	0.00	0%	2.97	100%	0.00	0%	0.00	0%	2.97
1606000116	0.00	0%	13.71	73%	0.00	0%	0.00	0%	0.00	0%	5.06	27%	0.00	0%	18.77
1606000112	0.00	0%	22.37	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	22.37
1712000901	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00

TOTALS	61.33	3%	599.78	27%	2.23	0%	26.27	1%	594.39	27%	910.24	41%	27.74	1%	2222.00
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Table (5) Occupied stream length (km) by HUC10 by BLM allotment Land Health Standards evaluation status. (Percent reflect percent of total length within an HUC).

HUC10	ALL STANDARD S MET	ALL STANDARD S MET (%)	NOT MET - LIVESTOCK	NM - L (%)	NOT MET - CAUSE NOT IDENTIFIED	CNI (%)	NOT MET - OTHER	NM - OTHER (%)	NM - TOTAL	NM - TOTAL (%)	NM - TOTAL OF ASSESSED (%)	DETERMINATION NOT COMPLETE	DNC (%)	TOTAL (km)
1604010201	-	0%	-	0%	-	0%	-	0%	-	0%	0%	43.13	100%	43.13
1604020104	-	0%	-	0%	-	0%	-	0%	-	0%	0%	28.44	100%	28.44
1604010104	-	0%	91.89	92%	-	0%	-	0%	91.89	0%	100%	7.95	8%	99.84
1604010702	-	0%	-	0%	-	0%	-	0%	-	0%	0%	1.12	100%	1.12
1604020105	-	0%	-	0%	-	0%	-	0%	-	0%	0%	1.65	100%	1.65
1604010906	-	0%	-	0%	-	0%	-	0%	-	0%	0%	3.10	100%	3.10
1604010305	2.49	66%	1.25	34%	-	0%	-	0%	1.25	0%	34%	-	0%	3.74
1604010202	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1604010107	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1604010304	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1604010106	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1604010309	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1604010903	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1605010205	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1605010206	-	0%	-	0%	-	0%	0.63	100%	0.63	0%	100%	-	0%	0.63
1605030202	1.88	12%	-	0%	-	0%	13.62	88%	13.62	0%	88%	-	0%	15.51

Table (5 - continued) Occupied stream length (km) by HUC10 by BLM allotment Land Health Standards evaluation status. (Percent reflect percent of total length within an HUC).

HUC10	ALL STANDARD S MET	ALL STANDARDS MET (%)	NOT MET - LIVESTOC K	NM – L (%)	NOT MET - CAUSE NOT IDENTIFIED	CNI (%)	NOT MET - OTHER	NM – OTHER (%)	NM - TOTAL	NM - TOTA L (%)	NM -TOTAL OF ASSESSED (%)	DETERMINATIO N NOT COMPLETE	DNC (%)	TOTAL (km)
160503010 3	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
160501010 3	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
160401011 0	-	0%	-	0%	-	0%	-	0%	-	0%	0%	239.88	100%	239.88
160402021 3	-	0%	42.62	100%	-	0%	-	0%	42.62	0%	100%	-	0%	42.62
160401010 8	-	0%	-	0%	-	0%	-	0%	-	0%	0%	46.32	100%	46.32
160401011 1	-	0%	-	0%	-	0%	-	0%	-	0%	0%	87.00	100%	87.00
160401060 1	-	0%	50.02	38%	-	0%	-	0%	50.02	0%	100%	80.27	62%	130.29
160401060 2	-	0%	141.02	100%	-	0%	-	0%	141.02	0%	100%	-	0%	141.02
160401030 8	-	0%	-	0%	-	0%	-	0%	-	0%	0%	27.96	100%	27.96
160401060 4	-	0%	13.29	100%	-	0%	-	0%	13.29	0%	100%	-	0%	13.29
160402010 2	47.29	100%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	47.29
160402020 7	-	0%	-	0%	-	0%	-	0%	-	0%	0%	13.24	100%	13.24
160402010 6	-	0%	-	0%	-	0%	-	0%	-	0%	0%	11.52	100%	11.52
160401090 2	-	0%	0.36	0%	-	0%	-	0%	0.36	0%	100%	102.76	100%	103.12
160402020 5	-	0%	38.91	100%	-	0%	-	0%	38.91	0%	100%	-	0%	38.91
160401040 1	-	0%	8.01	41%	-	0%	-	0%	8.01	0%	100%	11.70	59%	19.70
160401010 5	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-

160503040 4	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
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Table (5 - continued) Occupied stream length (km) by HUC10 by BLM allotment Land Health Standards evaluation status. (Percent reflect percent of total length within an HUC).

HUC10	ALL STANDARDS MET	ALL STANDARDS MET (%)	NOT MET - LIVESTOCK	NM - L (%)	NOT MET - CAUSE NOT IDENTIFIED	CNI (%)	NOT MET - OTHER	NM - OTHER (%)	NM - TOTAL	NM - TOTAL (%)	NM - TOTAL OF ASSESSED (%)	DETERMINATION NOT COMPLETE	DNC (%)	TOTAL (km)
1605010303	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1605010301	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1605010305	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1605010306	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000405	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000502	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000407	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000409	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000712	-	0%	-	0%	-	0%	-	0%	-	0%	0%	-	0%	-
1606000116	-	0%	18.77	100%	-	0%	-	0%	18.77	0%	100%	-	0%	18.77
1606000112	-	0%	-	0%	-	0%	-	0%	-	0%	0%	22.37	100%	22.37
1712000901	-	0%	7.89	50%	-	0%	-	0%	7.89	0%	100%	7.89	50%	15.78
TOTALS	51.65	4%	414.03	34%	-	0%	14.26	1%	428.29	35%	89%	736.30	61%	1,216.25

