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APPENDIX H
Wildlife Species and Associated Plant Communities and Aquatic Ecosystems at the Upper Truckee Marsh
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Appendix H: Wildlife species and associated plant communities and aquatic ecosystems at the Upper Truckee Marsh. Species in bold have been observed at the site during recent surveys. Other species may potentially occur. List compiled from TRPA surveys from 1999-2002 (TRPA 2001, TRPA 2002), CTC surveys from 2002 (CTC 2002), and S. Fox suveys from 1994-1996 (Global 1997).

Scientific Name	Common Name	Community Associations <sup>1</sup>	Breeder? <sup>2</sup>
AMPHIBIANS			
Ambystoma macrodactylum	Long-toed Salamander	WS, MM, ST, LG	M
Bufo boreas	Western Toad	WS, MM, ST, LG	
Hyla regilla	Pacific Treefrog	WS, MM, ST, LG	В
Rana catesbeiana	Bullfrog	WS, MM, ST, LG	M
Rana muscosa	Mountain Yellow-legged Frog	WS, MM, ST, LG	
REPTILES			
Chanina bottae	Rubber Boa	JP, LP, MM	
Elgaria coerulea	Northern Alligator Lizard	JP, LP, MM	
Sceloporus occidentalis	Western Fence Lizard	JP, LP, MM	
Thamnophis couchii	Western Aquatic Garter Snake	WS, MM, ST, LG	
Thamnophis elegans	Western Terrestrial Garter	WS, MM, ST, LG	
Thamnophis sirtalis	Common Garter Snake	WS, MM, ST, LG	
BIRDS			
Accipiter cooperii	Cooper's Hawk	JP, LP, WS	
Accipiter gentilis	Northern Goshawk	JP	
Accipiter striatus	Sharp-shinned Hawk	JP, LP, WS	
Actitis macularia	Spotted Sandpiper	MM, BD, ST	В
Aechmophorus occidentalis	Western/Clark's Grebe	LG, LK	M
Agelaius phoeniceus	Red-winged Blackbird	WS, MM	В
Anas acuta	Northern Pintail	MM, ST, LG	M
Anas americana	American Wigeon	MM, ST, LG	M
Anas clypeata	Northern Shoveler	MM, ST, LG	M
Anas crecca	Green-winged Teal	ST, LG	M
Anas cyanoptera	Cinnamon Teal	MM, ST, LG	M
Anas platyrhynchos	Mallard	MM, ST, LG	В
Anas strepera	Gadwall	MM, ST, LG	В
Anser albifrons	<b>Greater White-fronted Goose</b>	MM, LG	
Anthus rubescens	American Pipit	WS, MM	
Aphelocoma coerulescens	Western Scrub-jay	JP, LP, WS, DA	
Ardea herodias	Great-blue Heron	WS, MM, ST, LG	
Aythya affinis	Lesser Scaup	ST, LG, LK	
Aythya americana	Redhead	ST, LG, LK	
Aythya collaris	Ring-necked Duck	MM, ST, LG, LK	M
Aythya marila	Greater Scaup	ST, LG, LK	
Aythya valisineria	Canvasback	ST, LG, LK	
Bombycilla cedrorum	Cedar Waxwing	WS, DA	
Botaurus lentiginosus	American Bittern	WS, MM, ST, LG	
Branta canadensis	Canada Goose	MM, BD, LG, LK, DA	В
Bubo virginianus	Great-horned Owl	JP	
Bucephala albeola	Bufflehead	ST, LG, LK	
Bucephala clangula	Common Goldeneye	ST, LG, LK	

Scientific Name	Common Name	Community Associations	Breeder?2
Bucephala islandica	Barrow's Goldeneye	ST, LG, LK	
Buteo jamaicensis	Red-tailed Hawk	JP, LP, MM	
Buteo lagopus	Rough-legged Hawk	JP, LP, MM	
Butorides virescens	Green Heron	WS, MM, ST, LG	
Calidris mauri	Western Sandpiper	BD, ST	
Calidris minutilla	Least Sandpiper	BD, ST	
Carduelis pinus	Pine Siskin	JP, LP, WS, MM	M
Carduelis psaltria	Lesser Goldfinch	LP, WS, MM	
Carduelis tristis	American Goldfinch	LP, WS, MM	M
Carpodacus cassinii	Cassin's Finch	JP, LP, WS	В
Carpodacus mexicanus	House Finch	JP, LP, WS, DA	M
Carpodacus purpureus	Purple Finch	JP, LP, WS	
Carthartes aura	Turkey Vulture	LP, MM	
Casmerodius albus	Great Egret	WS, MM, ST, LG	
Catharus guttatus	Hermit Thrush	JP, LP, WS	
Catharus ustulatus	Swainson's Thrush	JP, LP, WS	
Catoptrophorus semipalmatus	Willet	MM, BD, ST	
Certhia americana	Brown Creeper	JP, LP	M
Ceryle alcyon	Belted Kingfisher	WS, ST	M
Charadrius alexandrinus	Snowy Plover	BD	
Charadrius semipalmatus	Semipalmated Plover	BD	
Charadrius vociferus	Killdeer	MM, BD, ST	В
Chen caerulescens	Snow Goose	MM, LG	
Chlidonias niger	Black Tern	BD, LG, LK	M
Chondestes grammacus	Lark Sparrow	MM	M
Chordeiles minor	Common Nighthawk	JP, LP, MM	
Cinclus mexicanus	American Dipper	ST	
Circus cyaneus	Northern Harrier	LP, MM	M
Cistothorus palustris	Marsh Wren	WS, ST, LG	
Coccothraustes vespertinus	Evening Grosbeak	JP, LP	M
Colaptes auratus	Northern Flicker	JP, LP	В
Columbia fasciata	Band-tailed Pigeon	JP, LP	
Columbia livia	Rock Dove	DA	
Contopus sordidulus	Western Wood-pewee	JP, LP, WS, MM	В
Corvus corax	Common Raven	JP, LP, DA	M
Cyanocitta stelleri	Steller's Jay	JP, LP, WS, DA	В
Cygnus columbianus	Tundra Swan	MM, LG	
Dendroica coronata	Yellow-rumped Warbler	JP, LP, WS	В
Dendroica nigrescens	Black-throated Gray Warbler	JP, LP, WS	M
Dendroica occidentalis	Hermit Warbler	JP, LP, WS	M
Dendroica petechia	Yellow Warbler	ws	В
Dendroica townsendi	Townsend's Warbler	JP, LP, WS	
Egretta thula	Snowy Egret	WS, MM, ST, LG	
Empidonax traillii	Willow Flycatcher	WS, MM	M
Euphagus cyanocephalus	Brewer's Blackbird	LP, WS, MM, DA	В
Falco columbarius	Merlin	JP, LP	
Falco sparverius	American Kestrel	LP, MM	M
Fulica americana	American Coot	ST, LG	M
Gallinago gallinago	Wilson's Snipe	MM, BD, ST	M
Gavia immer	Common Loon	ĹK	
Geothlypis trichas	Common Yellowthroat	WS, LG	М

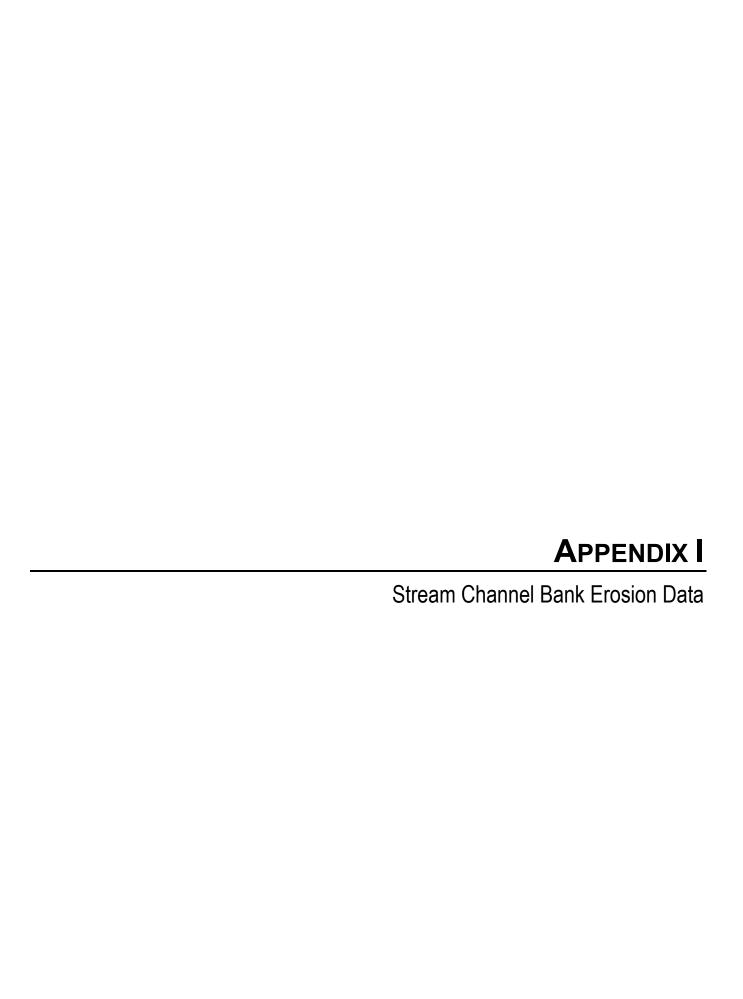
Scientific Name	Common Name	Community Associations <sup>1</sup>	Breeder?2
Gymnorhinus cyanocephalus	Pinyon Jay	JP, LP	
Haliaeetus leucocephalus	Bald Eagle	JP, LK	
Himantopus mexicanus	Black-necked Stilt	MM, BD	M
Hirundo pyrrhonota	Cliff Swallow	LP, WS, MM, ST, LG, DA	В
Hirundo rustica	Barn Swallow	LP, WS, MM, ST, LG, DA	В
Ixobrychus exilis	Least Bittern	WS, MM, ST, LG	
Junco hyemalis	Oregon Junco	JP, LP, WS, MM	В
Lanius Iudovicianus	Loggerhead Shrike	LP, MM	
Larus argentatus	Herring Gull	BD, LG, LK	
Larus californicus	California Gull	BD, LG, LK	
Larus delawarensis	Ring-billed Gull	BD, LG, LK	
Larus philadelphia	Bonaparte's Gull	BD, LG, LK	
Larus thayeri	Thayer's Gull	BD, LG, LK	
Limnodromus scolopaceus	Long-billed Dowitcher	MM, BD, ST	
Limosa fedoa	Marbled Godwit	MM, BD, ST	
Lophodytes cucullatus	Hooded Merganser	ST, LG, LK	
Loxia curvirostra	Red Crossbill	JP	
Melospiza lincolnii	Lincoln's Sparrow	LP, WS, MM	М
Melospiza melodia	Song Sparrow	LP, WS, MM	B
Mergus merganser	Common Merganser	MM, ST, LG, LK	В
Molothrus ater	Brown-headed Cowbird	JP, LP, WS, MM, DA	В
Nucifraga columbiana	Clark's Nutcracker	JP, LP	
Numenius americanus	Long-billed Curlew	MM, BD, ST	
Nycticorax nycticorax	Black-crowned Night-heron	WS, MM, ST, LG	М
Oporornis tolmiei	MacGillivray's Warbler	ws	B
Otus kennicottii	Western Screech-owl	JP	
Oxyura jamaicensis	Ruddy Duck	MM, ST, LG, LK	М
Palacrocorax auritus	Double-crested Cormorant	LG, LK	
Pandion haliaetus	Osprey	JP, LP, MM, LG, LK	
Passer domesticus	House Sparrow	DA	
Passerculus sandwichensis	Savannah Sparrow	LP, WS, MM	В
Passerella iliaca	Fox Sparrow	JP, WS	
Phalaropus tricolor	Wilson's Phalarope	MM, BD, ST	М
Pheucticus malanocephalus	Black-headed Grosbeak	ws	M
Pica hudsonia	Black-billed Magpie	JP, LP, WS, DA	В
Picoides albolarvatus	White-headed Woodpecker	JP, LP	M
Picoides arcticus	Black-backed Woodpecker	JP, LP	M
Picoides villosus	Hairy Woodpecker	JP, LP	M
Pipilo chlorurus	Green-tailed Towhee	LP	
Pipilo maculatus	Spotted Towhee	ws	М
Piranga ludoviciana	Western Tanager	JP, LP	M
Pluvialis squatarola	Black-bellied Plover	BD	
Podiceps auritus	Horned Grebe	LG, LK	
Podiceps grisegena	Red-necked Grebe	LG, LK	
Podiceps nigricollis	Eared Grebe	LG, LK	
Podilymbus podiceps	Pied-billed Grebe	LG, LK	М
Poecile gambeli	Mountain Chickadee	JP, LP, WS	В
Pooecetes gramineus	Vesper Sparrow	LP, MM	_
Porzana carolina	Sora	WS, MM, ST, LG	В
Rallus limicola	Virginia Rail	WS, MM,ST, LG	_
Recurvirostra americana	American Avocet	MM, BD	М
1		, 55	•••

Scientific Name	Common Name	Community Associations <sup>1</sup>	Breeder?2
Regulus calendula	Ruby-crowned Kinglet	JP, LP, WS	M
Regulus satrapa	Golden-crowned Kinglet	JP, LP, WS	В
Sayornis nigricans	Black Phoebe	WS, MM	M
Sayornis saya	Say's Phoebe	LP, WS, MM	
Sialia currucoides	Mountain Bluebird	LP, WS, MM	
Sialia mexicana	Western Bluebird	LP, WS, MM	
Sitta canadensis	Red-breasted Nuthatch	JP, LP	В
Sitta carolinensis	White-breasted Nuthatch	JP, LP, WS	В
Sitta pygmaea	Pygmy Nuthatch	JP, LP	В
Sphyrapicus ruber	Red-breasted Sapsucker	JP, LP	M
Spizella breweri	Brewer's Sparrow	JP, LP, MM	
Spizella passerina	Chipping Sparrow	JP, LP, MM	M
Stellula calliope	Calliope Hummingbird	LP, MM	
Sterna caspia	Caspian Tern	BD, LG, LK	
Sterna forsteri	Forster's Tern	BD, LG, LK	M
Sterna hirundo	Common Tern	BD, LG, LK	
Sturnella neglecta	Western Meadowlark	MM	В
Sturnus vulgaris	European Starling	LP, WS, DA	В
Tachycineta bicolor	Tree Swallow	LP, WS, MM, ST, LG, DA	M
Tachycineta thalassina	Violet-green Swallow	LP, WS, MM, ST, LG, DA	M
Tringa flavipes	Lesser Yellowlegs	MM, BD, ST	
Tringa melanoleuca	Greater Yellowlegs	MM, BD, ST	
Turdus migratorius	American Robin	JP, LP, WS, MM	В
Tyrannus verticalis	Western Kingbird	LP, WS, MM	M
Vermivora celata	Orange-crowned Warbler	JP, LP, WS	M
Vermivora ruficapilla	Nashville Warbler	JP, LP, WS	M
Vireo cassinii	Cassin's Vireo	JP, LP, WS	M
Vireo gilvus	Warbling Vireo	JP, LP, WS	M
Wilsonia pusilla	Wilson's Warbler	ws	В
Xanthocephalus xanthocephalus	s Yellow-headed Blackbird	WS, MM, LG	В
Zenaida macroura	Mourning Dove	JP, LP, WS, MM, DA	M
Zonotrichia atricapilla	Golden-crowned Sparrow	JP, LP, WS, MM	
Zonotrichia leucophrys	White-crowned Sparrow	JP, LP, WS, MM	В
MAMMALS			
Canis latrans	Coyote	JP, LP, WS, MM	
Castor canadensis	Beaver	ST, LG	M
Erithizon dorsatum	Porcupine	JP, LP	
Eustamius spp.	Chipmunk species	JP, LP	M
Glaucomys sabrinus	Northern Flying Squirrel	JP, LP	
Lutra canadensis	River Otter	ST, LG	
Microtus longicaudus	Long-tailed Vole	JP, LP, WS	M
Microtus montanus	Mountain Vole	WS, MM	M
Mustela erminea	Ermine	JP, LP, WS, MM	
Mustela frenata	Long-tailed Weasel	JP, LP, WS, MM	
Mustela vison	Mink	ST, LG	
	14111111		
Odocoileus hemionus	Mule deer	JP, LP, WS, MM	
Odocoileus hemionus  Ondatra zibethicus		JP, LP, WS, MM <b>ST, LG</b>	M
	Mule deer		<b>M</b> M

Scientific Name	Common Name	Community Associations <sup>1</sup>	Breeder? <sup>2</sup>
Reithrodontomys megalotis	Western Harvest Mouse	JP, LP, WS, MM	M
Scapanus latimanus	Broad-footed Mole	MM	M
Sciurus griseus	Western Gray Squirrel	JP, LP	M
Sorex obscurus	Dusky Shrew	JP, LP, MM	M
Sorex vagrans	Vagrant Shrew	JP, LP, MM	M
Tamiascuirus douglasii	Douglas Squirrel	JP, LP	M
Thomomys monticola	Sierran pocket gopher	JP, LP, WS, MM	M
Ursus americana	Black bear	JP	
Various	Bat species	JP, LP, MM, ST, LG	
Zapus princeps	Western Jumping Mouse	WS, MM	M

<sup>&</sup>lt;sup>1</sup>JP=Jeffrey pine; LP=Lodgepole pine, WS=Willow scrub/wet meadow, MM=Montane meadow, BD=Beach and dune, ST=Stream, LG=Lagoon, LK=Lake; DA=Disturbed area

<sup>&</sup>lt;sup>2</sup> B=Confirmed breeder on site, M=May breed on site. If blank, species does not breed on site or the status is unknown.



Valley Mountain Consulting 3/2/2010

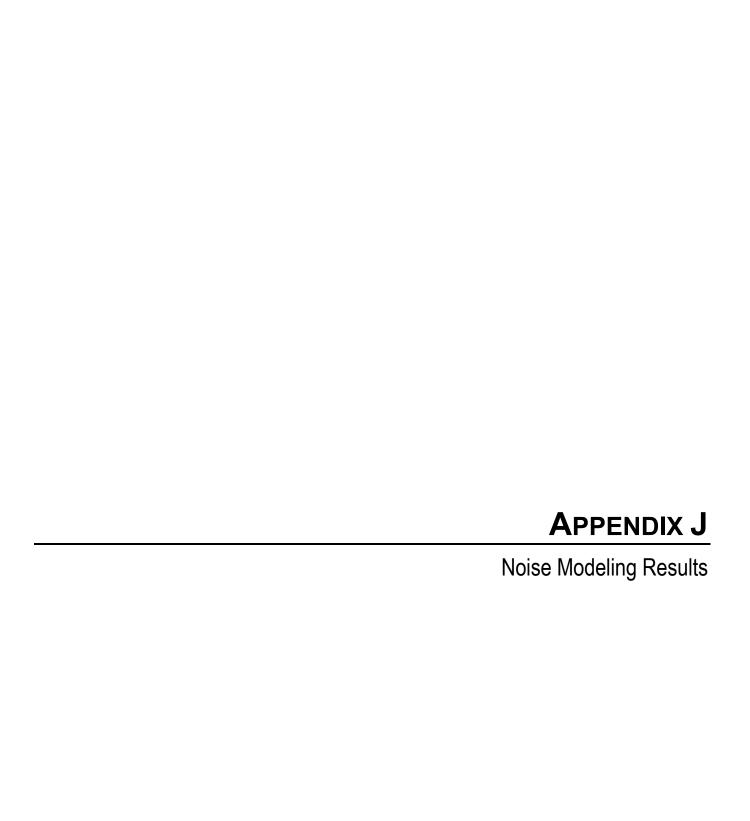
	TMDL Results:	Channel Restoration	MIXED Treatment	Bank Protection	
		Maximum Treatment Bank	Maximum Treatment	Maximum Treatment Bank	
river station	Existing Load of fines	Erosion of Fines (CUBIC	Bank Erosion of Fines	Erosion of Fines (CUBIC	No Action/ No
(ft)	(CUBIC YARSDS)	YARDS)	(CUBIC YARDS)	YARDS)	Project
	No treatments	All reaches treated	All reaches treated	All reaches treated	Subtotals
79,364	110 0 0 0 0 0 1 1 0 1 1 0	7	7 11 10001100 11001100	7 1	
75,492	3.83	1.77	3.83	0.60	887.14
73,950	2.18	1.01	2.18	0.34	
71,424	2.56	1.18	2.56	0.40	
70,210	0.75	0.35	0.75	0.12	
68,077	2.23	1.03	2.23	0.35	
65,420	145.26	67.11	57.02	22.81	
63,189	178.99	82.69	70.25	28.10	
60,925	181.62	83.91	71.29	28.51	
59,022	10.73	4.96	10.73	1.68	
58,333	30.76	14.21	4.83	4.83	
55,446	12.42	5.74	12.42	1.95	
53,806	6.31	2.92	6.31	0.99	
51,772	6.10	2.82	6.10	0.96	
50,121	57.02	26.34	8.95	8.95	
48,458	246.38	113.83	90.91	38.68	
46,260	23.22	10.73	23.22	3.65	2,894.47
44,357	413.30	190.94	64.89	64.89	
43,143	173.71	80.25	64.10	27.27	
39,600	24.77	11.44	24.77	3.89	
36,778	197.22	91.12	72.78	30.96	
35,564	149.16	68.91	70.55	23.42	
32,940	19.01	8.78	19.01	2.99	
27,756	982.33	453.84	362.48	154.23	
23,425	718.37	331.89	265.08	112.78	
19,160	24.95	11.52	24.95	3.92	
16,601	149.39	69.02	58.64	23.45	
13,451 9,646	19.05	8.80	19.05	2.99	538.13
9,646 6,414	333.43 197.72	154.05 91.35	52.35 72.96	52.35 31.04	538.13
5,344	3.88	1.79	3.88	0.61	
5,5 <del>44</del>	3.00	1.79	3.00 3.11	0.61	
-	3.11	1.43	3.11	0.49	
Totals	4319.74	1995.72	1552.15	678.20	4319.74
79,364	4,319.74	1,995.72	1,552.15	678.20	4,319.74

TMDL\_UTMarshAltsUTMarshSummary

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	Upper Ti	uckee Marsh Pro	oject (other reac	nes remain as Ex	sting)	Cumi	ulative Upper T	ruckee River Proje	ects	Marsh Only	Other Projects ONLY	ALL
river station (ft)	UTMarsh ONLY Alt 1	UTMarsh ONLY Alt 2	UTMarsh ONLY Alt 3	UTMarsh ONLY Alt 4	UTMarsh ONLY	Cumulative Projec NO Act		Cumulative Proje ALT		Reduction	Reduction	Reduction
					Subtotals	Complete treat all proposed projects	Subtotals	Complete Treat other projects AND UTMarsh	Subtotals			
79,364						,						
75,492	3.83	3.83	3.83	3.83	887.14	3.83	887.14	4	887.14	_	-	_
73,950	2.18	2.18	2.18	2.18		2.18		2	-			
71,424	2.56	2.56	2.56	2.56		2.56		3				
70,210	0.75	0.75	0.75	0.75		0.75		1		w-14		
68,077	2.23	2.23	2.23	2.23		2.23		2				
65,420	145.26	145.26	145.26	145.26		145.26		145	-			
63,189	178.99	178.99	178.99	178.99		178.99		179	-			
60,925	181.62	181.62	181.62	181.62		181.62		182	-			
59,022	10.73	10.73	10.73	10.73		10.73		11				
58,333	30.76	30.76	30.76	30.76		30.76		31				
55,446	12.42	12.42	12.42	12.42		12.42		12				
53,806	6.31	6.31	6.31	6.31		6.31		6	-			
51,772	6.10	6.10	6.10	6.10		6.10		6	-			
50,121	57.02	57.02	57.02	57.02		57.02		57				
48,458	246.38	246.38	246.38	246.38		246.38		246	-			
46,260	23.22	23.22	23.22	23.22	2,894.47	10.73	1,337.25	11	1,337.25	-	0.538	0.538
44,357	413.30	413.30	413.30	413.30		190.94		191	***			
43,143	173.71	173.71	173.71	173.71		80.25		80				
39,600	24.77	24.77	24.77	24.77		11.44		11				
36,778	197.22	197.22	197.22	197.22		91.12		91	-			
35,564	149.16	149.16	149.16	149.16		68.91		69				
32,940	19.01	19.01	19.01	19.01		8.78		9				
27,756	982.33	982.33	982.33	982.33		453.84		454		-		
23,425	718.37	718.37	718.37	718.37		331.89		332				
19,160	24.95	24.95	24.95	24.95		11.52		12	***			
16,601	149.39	149.39	149.39	149.39		69.02		69		-		
13,451	19.05	19.05	19.05	19.05		8.80		9	***			
9,646	123.04	123.04	123.04	130.87	220.55	333.43	538.13	123	220.55	0.590	-	0.590
6,414	93.52	91.35	91.35	93.52		197.72		94				
5,344	2.56	1.79	1.79	1.83		3.88		3				
-	1.43	1.43	1.47	1.47		3.11		1				
Totals	4002.16	3999.22	3999.25	4009.31	4002.16	2762.52	2762.52	2,445	2444.94	0.074	0.360	0.434
Totals	7002.10	0000.22	0000.20	4000.01	T002.10	2102.02	2102.02	2,7-10	2777.07	0.014	0.000	0.707
79,364					4,002.16		2,762.52		2,444.94			

TMDL\_UTMarshAltsUTMarshSummary 2 of 2



# Appendix J Traffic Noise Prediction Model, (FWHA RD-77-108) Model Input Sheet

Project Name: UTR Marsh Project Number: 110066.04 Modeling Condition: Existing

EDAW AECOM

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	San Francisco Ave	Riverside Ave	US 50	1,000	25	16	98	1	1	85	10	5	0
2	Lakeview Avenue	Riverside Ave	US 50	2,100	25	20	97	2	1	85	10	5	0
3	East Venice Drive	Tahoe Keyes Blvd	l Marina	1,500	25	24	96	3	1	85	10	5	0
4	Silver Dollar Ave	Ponderosa Street	US 50	1,250	25	12	98	1	1	85	10	5	0
5	Sunset Drive	Ponderosa Street	Conestoga St	85	25	12	98	1	1	85	10	5	0
6	US Highway 50	US 89 North	Up Truckee Brd	33000	35	34	96	3	1	77.9	12.6	9.5	
7	US Highway 50	Up Truckee Brd	Rufus Allen Blvd	32000	35	34	96	3	1	77.9	12.6	9.5	

# Appendix J Traffic Noise Prediction Model, (FWHA RD-77-108) Predicted Noise Levels

Project Name: UTR Marsh
Project Number: 110066.04
Modeling Condition: Existing
Metric (Leq, Ldn, CNEL): CNEL



		Seg	Segment Noise Levels, dB CNEL			Distance to Traffic Noise Contours, Fee						
Segment	Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	San Francisco Ave	Riverside Ave	US 50	54.6	46.3	53.9	57.6	2	5	11	24	51
2	Lakeview Avenue	Riverside Ave	US 50	56.3	51.1	55.7	59.7	4	9	19	41	88
3	East Venice Drive	Tahoe Keyes Blvd	Marina	53.6	50.2	53.0	57.3	3	7	16	34	73
4	Silver Dollar Ave	Ponderosa Street	US 50	57.4	49.1	56.8	60.4	3	6	13	28	60
5	Sunset Drive	Ponderosa Street	Conestoga St	45.7	37.5	45.1	48.8	0	1	2	5	10
6	US Highway 50	US 89 North	Up Truckee Brd	70.0	64.7	65.1	72.1	47	101	218	470	1012
7	US Highway 50	Up Truckee Brd	Rufus Allen Blvd	69.9	64.5	65.0	72.0	46	99	214	460	991

# Appendix J Traffic Noise Prediction Model, (FWHA RD-77-108) Model Input Sheet

Project Name: UTR Marsh Project Number: 110066.04

Modeling Condition: Alt 1 Existing Plus Project

Ground Type: Soft K Factor:

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	San Francisco Ave	Riverside Ave	US 50	1,020	25	16	98	1	1	85	10	5	0
2	Lakeview Avenue	Riverside Ave	US 50	2,125	25	20	97	2	1	85	10	5	0
3	East Venice Drive	Tahoe Keyes Blvo	l Marina	1,540	25	24	96	3	1	85	10	5	0
4	Silver Dollar Ave	Ponderosa Street	US 50	1,260	25	12	98	1	1	85	10	5	0
5	Sunset Drive	Ponderosa Street	Conestoga St	90	25	12	98	1	1	85	10	5	0
6	US Highway 50	US 89 North	Up Truckee Brd	33100	35	34	96	3	1	77.9	12.6	9.5	0
7	US Highway 50	Up Truckee Brd	Rufus Allen Blvd	32100	35	34	96	3	1	77.9	12.6	9.5	0

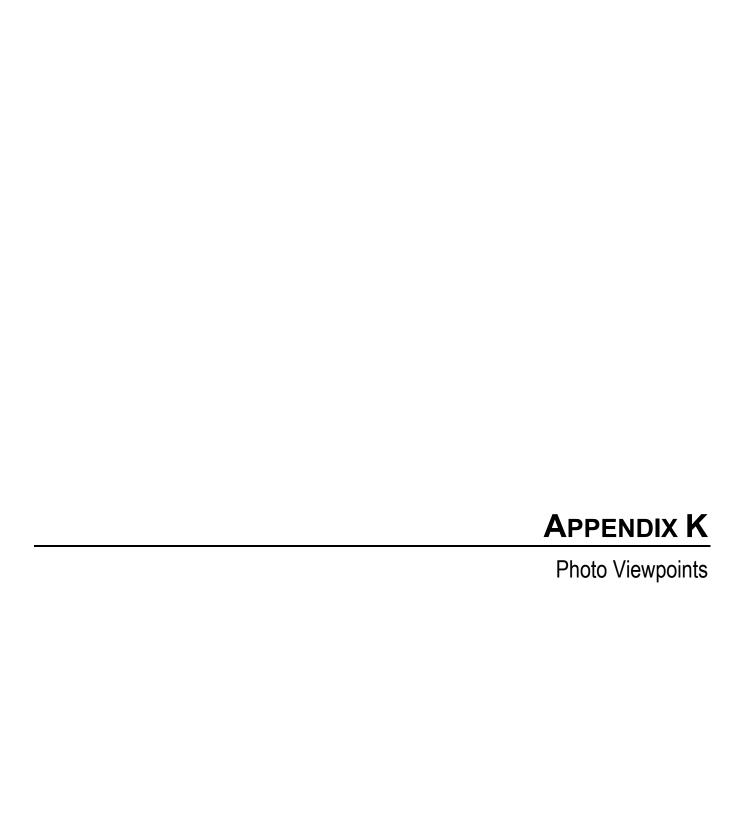
# Appendix J Traffic Noise Prediction Model, (FWHA RD-77-108) Predicted Noise Levels

Project Name : UTR Marsh Project Number : 110066.04

Modeling Condition: Alt 1 Existing Plus Project

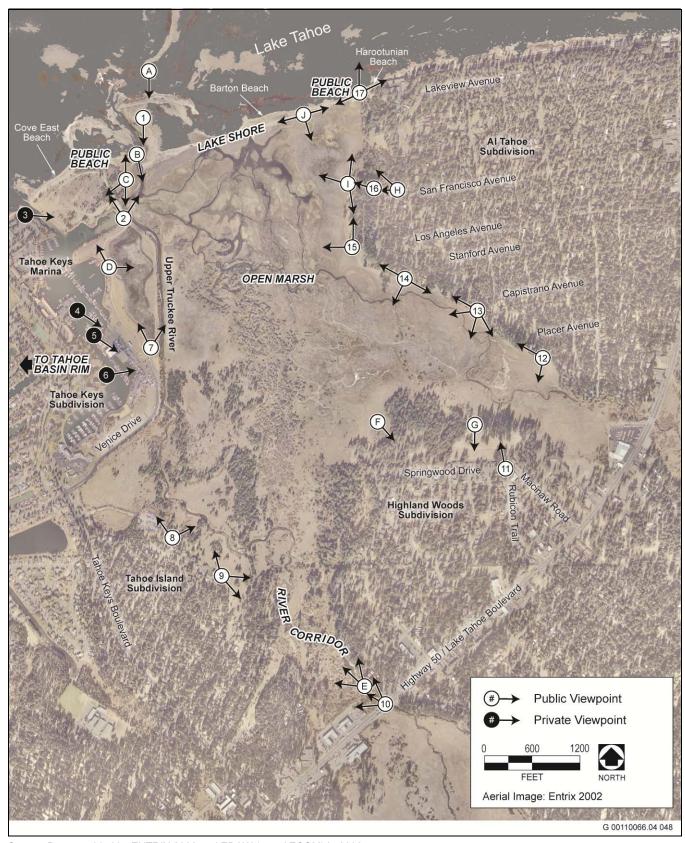
Metric (Leq, Ldn, CNEL) : CNEL

		Seg	ment	nt Noise Levels, dB CNEL			Distance to Traffic Noise Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	San Francisco Ave	Riverside Ave	US 50	54.7	46.4	54.0	57.7	2	5	11	24	52
2	Lakeview Avenue	Riverside Ave	US 50	56.4	51.1	55.7	59.7	4	9	19	41	89
3	East Venice Drive	Tahoe Keyes Blvo	l Marina	53.7	50.3	53.1	57.4	3	7	16	35	75
4	Silver Dollar Ave	Ponderosa Street	US 50	57.5	49.2	56.8	60.5	3	6	13	28	60
5	Sunset Drive	Ponderosa Street	Conestoga St	46.0	37.7	45.3	49.0	0	1	2	5	10
6	US Highway 50	US 89 North	Up Truckee Brd	70.0	64.7	65.1	72.1	47	101	218	471	1014
7	US Highway 50	Up Truckee Brd	Rufus Allen Blvd	69.9	64.5	65.0	72.0	46	99	214	461	993



## APPENDIX K PHOTO VIEWPOINTS

This appendix includes a complete index of the viewpoints from which photographs were taken for the project. Because of the large number of photographs and the similarities between many of them, a representative set of photographs was selected for inclusion in Section 3.14, "Scenic Resources." The selected set of photographs in the scenic resources section is representative of the existing views of the study area. Photographs are identified by letters or numbers. The numbered viewpoints shown below are shown in the scenic resources section and follow the same numbering sequence used in that section. Lettered viewpoints shown below are in addition to those included in Section 3.14, "Scenic Resources." Exhibit 1 provides an overview of the locations of the photo viewpoints.



Source: Data provided by ENTRIX 2002 and EDAW (now AECOM) in 2008

### Photo Viewpoints of the Study Area

Exhibit 1



View to the South toward the Mouth of the Truckee River, 0.25 Mile from the Shoreline (Viewpoint A) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the South at the Mouth of the Truckee River from the Lake Tahoe Shoreline (Viewpoint B) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the South at the Mouth of the Truckee River, 300 Feet from the Shoreline (Viewpoint 1) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the North toward Lake Tahoe from North of the Lower West Side Restoration Area (Viewpoint C) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the South of the Truckee River from North of the Lower West Side Restoration Area (Viewpoint C) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northeast toward Lake Tahoe from Just East of the Sailing Lagoon (Viewpoint D) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southwest toward the Sailing Lagoon from North of the Lower West Side Restoration Site (Viewpoint C) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward Lake Tahoe from Just West of the Sailing Lagoon (Viewpoint D) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward the Mouth of the Truckee River from Condominiums near Lake Tahoe Shoreline (Viewpoint E) (Source: Photograph taken by EDAW [now AECOM] in 2007)



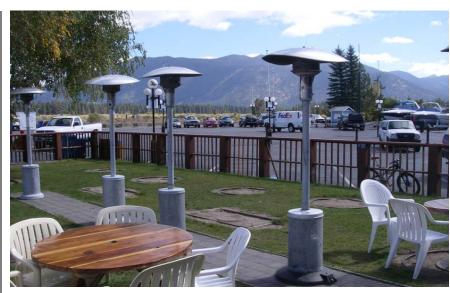
View to the Northwest toward Lake Tahoe from the West Edge of the Tahoe Keys Marina (Viewpoint F) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward the Lower West Side Restoration Area from the West Edge of the Tahoe Keys Marina (Viewpoint F)
(Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southeast toward the Proposed Self-Service Visitor Center Site from Condominiums along the Tahoe Keys Marina (Viewpoint G) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the Southeast toward the Proposed Self-Service Visitor Center Site from the Restaurant along the Tahoe Keys Marina (Viewpoint H) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the Northeast toward the Truckee River from Venice Drive (Viewpoint I) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward the Proposed Self-Service Visitor Center Site from Condominiums along Tahoe Keys Marina (Viewpoint 2) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the Northwest toward Tahoe Keys Marina from Venice Drive (Viewpoint I) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward the Truckee River from an Informal Trail near the TKPOA Corporation Yard (Viewpoint J) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward the Truckee River from East of Tahoe Island Subdivision (Viewpoint 3) (Source: Photograph taken by AECOM in 2008)



View to the Northwest toward Venice Drive from an Informal Trail near the TKPOA Corporation Yard (Viewpoint J) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southeast toward the Truckee River from East of the Tahoe Island Subdivision (Viewpoint 3) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward the Truckee River from East of the Tahoe Island Subdivision (Viewpoint 3) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West of Dense Vegetation from the Footbridge across the River (Viewpoint K)
(Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the North of the Truckee River Corridor from the Footbridge across the River (Viewpoint K) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest of the Truckee River Corridor from the Footbridge across the River (Viewpoint K) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the North of the Truckee River Corridor from U.S. 50 (Viewpoint 4) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest of the Truckee River Corridor from U.S. 50 (Viewpoint 4) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West of Dense Vegetation from U.S. 50 (Viewpoint 4) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southeast toward Existing Trails and Residences (Viewpoint L) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to South toward Houses and Existing Trails from Open Marsh (Viewpoint M) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the North toward the Existing Bike Trail Entrance from the end of Macinaw Road (Viewpoint N) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to South toward Houses and Existing Trails from Open Marsh (Viewpoint M) (Source: Photograph taken by EDAW [now AECOM] in 2007)



View to the Northwest toward the Open Marsh from El Dorado Avenue (Viewpoint O) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southwest toward U.S. 50 from El Dorado Avenue (Viewpoint O) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the South toward U.S. 50 from Capistrano Avenue (Viewpoint P) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward the Open Marsh from Capistrano Avenue (Viewpoint P) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southwest toward the Highland Woods Subdivision from Capistrano Avenue (Viewpoint P)
(Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward the Open Marsh from Capistrano Avenue (Viewpoint P) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward the Open Marsh from Stanford Avenue (Viewpoint 5)
(Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southeast toward El Dorado Avenue from Stanford Avenue (Viewpoint 5) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Southwest toward the Truckee River from Stanford Avenue (Viewpoint 5) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the North toward Harootunian Beach from Los Angeles Avenue (Viewpoint Q) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward Lake Tahoe from the End of San Francisco Avenue (Viewpoint R) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward the Open Marsh from Los Angeles Avenue (Viewpoint Q) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward the Open Marsh from the End of San Francisco Avenue (Viewpoint R) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward the Open Marsh from San Francisco Avenue (Viewpoint S) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the South toward the Highland Woods Subdivision from the Edge of the Open Marsh near San Francisco Avenue (Viewpoint T) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the North toward Harootunian Beach from the Edge of the Open Marsh near San Francisco Avenue (Viewpoint T) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the Northwest toward Barton Beach from the Edge of the Open Marsh near San Francisco Avenue (Viewpoint T) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the North toward Lake Tahoe from Harootunian Beach (Viewpoint 6) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward Barton Beach from Harootunian Beach (Viewpoint 6) (Source: Photograph taken by EDAW [now AECOM] in 2008)



iew to the East toward the Al Tahoe Subdivision from Harootunian
Beach (Viewpoint 6)
(Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the East toward Harootunian Beach from the Lakeshore (Viewpoint U) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the South toward the Open Marsh from the Lakeshore (Viewpoint U) (Source: Photograph taken by EDAW [now AECOM] in 2008)



View to the West toward Barton Beach from the Lakeshore (Viewpoint U) (Source: Photograph taken by EDAW [now AECOM] in 2008)

# **APPENDIX** L **Distribution List**

### **EIR/EIS/EIS DISTRIBUTION LIST**

### **Elected Officials and Representatives**

U.S. House of Representatives - Tom McClintock

### **U.S. Government Departments and Agencies**

U.S. Army Corps of Engineers

U.S. Department of Agriculture, Natural Resources Conservation Service

U.S. Environmental Protection Agency - Region 9

U.S. Fish and Wildlife Services

U.S. Forest Service – Lake Tahoe Basin Management Unit

U.S. Geological Survey

### Washoe Tribe of Nevada and California

**Environmental Department** 

### **State of California Government Agencies**

State Assembly- Franklin E. Bigelow
State Senate - Ted Gaines
Department of Boating & Waterways
Department of Fish and Game
Department of General Services, Office of Real
Estate Services Division

Department of Transportation, District 3 – Tahoe Lahontan Regional Water Quality Control Board Office of the Attorney General Sierra Nevada Conservancy State Lands Commission

### **State of Nevada Government Agency**

State of Nevada, Department of Environmental Protection

### **Local Government & Agencies**

City of South Lake Tahoe El Dorado County Board of Supervisors, District 5 South Tahoe Public Utility District Lake Tahoe Unified School District Tahoe Resource Conservation District

### **Organizations**

Caltrout
El Dorado County Vector Control District
League to Save Lake Tahoe
SBC California
Sierra Nevada Alliance
Sierra Sun
South Tahoe Chamber of Commerce

Tahoe Area Sierra Club
Tahoe Daily Tribune
Tahoe Keys Property Owners Association
Tahoe Keys Marina
Tahoe Mountain News
Tahoe Science Consortium

Individuals	
Names withheld for privacy.	