

Supplemental Materials, Appendix B

Collar Details by Herd and Function for Sierra bighorn during May 2016 – June 2017. Identification of each animal wearing a collar by April 30, 2017. Collar status is functional VHF (fVHF), functional GPS (fGPS), non-functional VHF (non fVHF), non-functional GPS (non fGPS). VHF_old are animals who currently have a functional VHF but the VHF is >5 years old. Recent Morts are animals we believe are dead but have not yet investigated or recovered. fMark New are the functional collars we project to have for that herd for the next animal year (fVHF + fGPS – oldVHF -Recent Morts). MC is the minimum count from animal year 2016.

Herd	Sex	MC	% Mark	% fVHF Mark	% fGPS Mark	% fMark New	ID All Marks	# Marks	ID fGPS	# fGPS	ID non fGPS	# non fGPS	ID fVHF	# fVHF	ID non fVHF	# non fVHF	ID VHF_old	# Old	ID Recent Morts	# Recent Morts	fMark New	# fMark New
Olancha	F	15	67%	67%	0%	67%	S271, S274, S275, S277, S278, S279, S280, S291, S292, S293	10		0	S271, S279, S280, S291, S292	5	S271, S274, S275, S277, S278, S279, S280, S291, S292, S293	10		0		0		0	S271, S274, S275, S277, S278, S279, S280, S291, S292, S293	10
Olancha	M	8	25%	25%	0%	25%	S210, S358	2		0	S358	1	S210, S358	2		0		0	S259	1	S210, S358	2
Laurel	F	6	100%	100%	67%	17%	S376, S377, S378, S379, S381, S382	6	S376, S378, S379, S382	4	S377, S381	2	S376, S377, S378, S379, S381, S382	6		0		0	S376, S381, S378, S379, S377	5	S382	1
Laurel	M	1	100%	100%	100%	100%	S204, S322, S351, S352, S451, S452	6	S204, S351, S352, S451, S452	5		0	S204, S322, S351, S352, S451, S452	6		0		0	S451, S452, S351	3	S204, S352, S322	3
Big Arroyo	F	9	89%	78%	11%	33%	S283, S284, S285, S286, S287, S288, S289, S290	8	S290	1	S283, S284, S287	3	S283, S284, S285, S286, S287, S288, S290	7	S289	1		0	S283, S290, S286, S284	4	S285, S287, S288	3
Big Arroyo	M	4	75%	75%	0%	0%	S193, S200, S202	3		0	S193, S200, S202	3	S193, S200, S202	3		0		0	S193, S200, S204, S202	4		0
Langley	F	49	27%	20%	14%	18%	S173, S221, S264, S265, S340, S343, S408, S415, S425, S444, S445, S470, S70	13	S340, S408, S425, S444, S445, S470, S70	7	S343, S415	2	S173, S221, S264, S265, S340, S343, S408, S425, S470, S70	10		0	S173, S221, S265	3	S444L, S425, S81, S177, S446, S266, S92, S426, S406, S209, S174, S407, S340	13	S408, S444, S445, S70, S264, S343	6
Langley	M	23	43%	22%	17%	21%	S178, S190, S211, S217, S369, S414, S428, S429, S443, S447	10	S428, S429, S443, S447	4		0	S190, S211, S217, S428, S429	5	S178	1	S178, S190, S211, S217	4	S443L, S427	2	S428, S429, S443, S447	4
Williamson	F	11	36%	36%	0%	0%	S166, S170, S171, S269,	4		0	S170, S171	2	S166, S170, S171, S269	4		0	S166, S170, S171, S269	4	S270	1		0
Williamson	M	8	13%	13%	0%	0%	S268	1		0	S268	1	S268	1		0	S268	1	S113	1		0
Baxter	F	48	50%	31%	21%	0%	S108, S123, S138, S139, S140, S162, S167, S180, S214, S223, S228, S229, S260, S263, S298, S299, S307, S437, S438, S439, S462, S463, S464, S465	24	S214, S229, S263, S299, S437, S439, S462, S463, S464, S465	10	S162, S180, S223, S298, S307	5	S180, S214, S223, S228, S229, S263, S298, S299, S307, S438, S439, S462, S463, S464, S465	15	S108, S123, S138, S139, S140, S162, S167, S260	8	S108, S123, S138, S139, S140, S162, S167, S180, S228, S260, S263	11	S306, S437	2	S214, S229, S299, S439, S462, S463, S464, S465, S223, S298, S307, S438	12
Baxter	M	40	25%	10%	5%	0%	S163, S199, S303, S305, S390, S391, S432, S433, S440, S454	10	S440, S454	2	S199, S390, S391	3	S303, S305, S432, S433	4	S163, S199	2	S163, S199	2	S363	1	S440, S454, S303, S305, S432, S433	6

Herd	Sex	MC	% Mark	% fVHF Mark	% fGPS Mark	% fMark New	ID All Marks	# Marks	ID fGPS	# fGPS	ID non fGPS	# non fGPS	ID fVHF	# fVHF	ID non fVHF	# non fVHF	ID VHF_old	# Old	ID Recent Morts	# Recent Morts	fMark New	# fMark New
Sawmill	F	43	49%	40%	21%	58%	S128, S165, S203, S205, S251, S252, S254, S255, S308, S319, S323, S326, S396, S448, S449, S450, S457, S458, S459, S460, S461	21	S252, S319, S326, S448, S449, S457, S458, S460, S461	9	S254, S308, S450	3	S165, S203, S205, S252, S254, S255, S308, S319, S323, S326, S396, S448, S449, S457, S458, S459, S460	17	S128, S251	2	S128, S165, S203, S251, S254, S255	6	S308, S314, S232, S319, S251, S205	6	S252, S326, S448, S449, S457, S458, S460, S461, S323, S396, S459	11
Sawmill	M	22	77%	50%	9%	11%	S207, S257, S258, S309, S310, S312, S321, S325, S356, S357, S360, S361, S393, S394, S395, S441, S442	17	S310, S360	2	S207, S312, S357, S393, S394, S395, S441, S442	8	S207, S258, S309, S310, S312, S321, S325, S356, S357, S360, S361	11		0	S207, S257, S258	3	S321, S360, S310, S312, S325, S309, S320, S356	8	S357, S361	2
Bubbs	F	13	31%	23%	0%	15%	S194, S226, S315, S317	4		0	S315, S317	2	S226, S315, S317	3	S194	1	S194, S226	2		0	S315, S317	2
Bubbs	M	5	60%	60%	0%	0%	S192, S198, S249	3		0	S198	1	S192, S198, S249	3		0	S192, S198, S249	3	S198, S315, S192	3		0
Taboose	F	1	100%	100%	100%	5%	S412	1	S412	1		0	S412	1		0		0	S411	1	S412	1
Taboose	M	4	50%	50%	25%	0%	S338, S354	2	S354	1		0	S338, S354	2		0		0	S354, S338, S431, S355	4		0
Wheeler	F	48	46%	27%	10%	37%	S143, S17, S182, S236, S240, S241, S242, S243, S244, S246, S386, S388, S409, S413, S417, S418, S421, S466, S468, S62, S82, S84	22	S240, S413, S417, S466, S468	5	S182, S241, S243, S244, S246, S386, S388, S409, S62, S84	10	S143, S240, S241, S243, S244, S246, S386, S413, S417, S418, S421, S466, S468	13	S17, S182, S236, S242, S62, S82, S84	7	S17, S182, S236, S243, S246, S62, S82, S84	8	S386, S413, S419, S469, S248, S467, S240, S143, S17	9	S417, S466, S468, S241, S244, S418, S421	7
Wheeler	M	39	28%	18%	8%	26%	S116, S181, S234, S247, S350, S353, S383, S385, S405, S410, S416	11	S353, S383, S385	3	S116, S247, S410, S416	4	S234, S247, S350, S353, S383, S385, S405	7	S116, S181	2	S116, S181, S234, S247	4	S347, S471	2	S353, S383, S385, S350, S405	5
Convict	F	18	50%	28%	22%	6%	S175, S345, S400, S402	4		0	S345, S400, S402	3	S175, S345	2		0		0	S175, S436, S397, S336, S422, S398, S424, S423, S222, S403	10	S345	1
Convict	M	14	29%	21%	7%	0%	S399, S435	2		0	S399	1	S435	1		0		0	S401, S435, S335	3		0
Cathedral	F	10	100%	90%	80%	50%	S344, S365, S366, S367, S368, S370, S371, S372, S373, S375	10	S344, S366, S367, S368, S371, S372, S373, S375	8	S365, S370	2	S344, S365, S367, S368, S370, S371, S372, S373, S375	9	S366	1		0	S344, S373, S372, S368, S371	5	S366, S367, S375, S365, S370	5
Cathedral	M	0	--	--	--	--	S295, S297, S453, S455, S456	5	S295, S297, S453, S455, S456	5		0	S295, S297, S453, S455, S456	5		0		0	S455, S297, S453, S295, S456, S296	6		0
Gibbs	F	22	55%	41%	5%	32%	S100, S101, S145, S160, S172, S191, S218, S219, S250, S324, S334, S339	12	S339	1	S160, S250, S334	3	S160, S172, S191, S218, S219, S250, S324, S334, S339	9	S100, S101, S145	3	S100, S101, S145	3	S218, S253, S219	3	S339, S160, S172, S191, S250, S324, S334	7
Gibbs	M	19	11%	11%	0%	0%	S159, S161	2		0	S159	1	S159, S161	2		0	S159	1	S186, S215, S161	3		0
Warren	F	6	17%	0%	0%	0%	S89	1		0		0		0	S89	1	S89	1	S330	1		0
Warren	M	10	0%	0%	0%	0%		0		0		0		0		0		0	S331, S239, S328	3		0