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Many impacts of development projects are caused not by the construction or operation or the project itself but by the long or short term population increases associated with the project. These indirect impacts would include increased pressure on hunting, fishing and other recreational resources, extension of urbanized areas, and pressure on school and municipal services and cannot be easily predicted. A model to estimate these indirect impacts has been developed to assess effects of population (continued on reverse

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growth on recreation and use of natural landscape.

The model developed and a preliminary validation of it are discussed. The model is applied to analysis of potential indirect impacts of Operating Base (OB) sites in the Nevada/Utah M-X project area. Five sites have been selected for possible OB sites in seven alternative combinations of two bases each. The model is used to evaluate the potential indirect effects of the base pairs in each alternative.

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M-X ENVIRONMENTAL TECHNICAL REPORT: INDIRECT EFFECTS INDEX FOR IMPACT ANALYSIS

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TABLE OF CONTENTS

	PAGE
Indirect Effects Index for Impact Analysis	1
The Model	1
Assumptions	1
Validation	5
Analysis of OB Siting Alternatives	7
Input Data	7
Results	9
Conclusions and Disclaimers	9
Bibliography	22
Appendix I	I-1
Appendix II	II-1

LIST OF FIGURES

NO.		PAGE
1	Effect index plotted against distance from hypothetical population centers. The curves from top to botom reflect populations of 20,000, 15,000, 10,000, and 5,000 people.	3
2	Effect indexes of two hypothetical population centers 100 miles apart, Base A: 20,000 people; Base B: 15,000 people. The combined index is given by equation 2 in text.	4

LIST OF TABLES

NO.		PAGE
1	Regression equations and some statistics pertaining to prediction of anglers and anglerdays from effect index.	6
2	OB site long-term population.	8
3	Effect index of basing alternatives on Great Basin valleys.	10
4	Effect index of basing alternatives on Great Basin valleys.	11
5	Effect index of basing alternatives on Great Basin valleys.	12
6	Effect index of basing alternatives on Great Basin valleys.	13
7	Effect index of basing alternatives on Great Basin valleys.	14
8	Effect index of basing alternatives on Great Basin valleys.	15
9	Effect index of basing alternatives on Great Basin valleys.	16
10	Combined average effect index of basing alternatives on Great Basin valleys.	17
11	Great Basin valleys ranked in order of mean effect index greater than 10000.0.	17
12	Ranking of OB alternatives by mean, effect index E, and standard deviation about mean E for 74 hydrologic subunits.	18
13	Subjective ranking of OB siting alternatives with respect to several resources. Predicted impact increases with rank.	19
14	Alternatives in order and their subjective rankings with respect to several resources. Predicted impact increases with rank.	20

INDIRECT EFFECTS INDEX FOR IMPACT ANALYSIS

Many impacts of development projects are caused not by the construction or operation or the project itself but by the long or short term population increases associated with the project. These indirect impacts would include increased pressure on hunting, fishing and other recreational resources, extension of urbanized areas, and pressure on school and municipal services and cannot be easily predicted. A model to estimate these indirect impacts has been developed to assess effects of population growth on recreation and use of natural landscape. Community infrastructure effects were addressed separately (ETR-27, ETR-28, ETR-29).

Dyer and Whaley (1968) developed a model for predicting use of recreation sites. They attempted to account for distance from origin to recreation site, competing facilities, degree of urbanization of origin, age, occupation and income of the people. Regression models using parts of their general model were able to account for up to 74 percent of the variance about predictions of stream use, and 57 percent of the variance about prediction of campground use.

However, a regression model is inadequate for prediction of future use if no history of use is available. It is possible to develop a theoretical model that will be sensitive to population levels and distribution of impacts about population centers. Impacts around population centers are expected to decrease with distance and two general distributions are most frequently used: gravity models and normal distributions. Gravity models are based on the assumption that influence of a population center falls off as the inverse square of distance (Reilly 1929, Huff 1963). These models can be modified to incorporate intervening opportunities. This analysis is founded on the assumption that recreation impacts about a population center would be normally distributed with distance, rather than an inverse square relation.

The model developed and a preliminary validation of it are discussed below. The model is applied to analysis of potential indirect impacts of Operating Base (OB) sites in the Nevada/Utah M-X project area. Five sites have been selected for possible OB sites in seven alternative combinations of two bases each. The model is used to evaluate the potential indirect effects of the base pairs in each alternative.

THE MODEL

Assumptions

The model is based on the general assumption that all measurable impacts would be normally distributed about the OB centers. That is, one would expect a bell-shaped distribution of impacts. Second, it is assumed that most of the impact would occur within 100 air miles from the OB site. Third, the degree of impact is proportional to the population of the OB site. And finally, certain resources attract more people than others. That is, people are willing to travel farther to visit some areas than others. The model takes these assumptions into account.

The model gives an index of effect described by a nonlinear function of distance that is a modified form of the Normal (μ,σ) density function. This model has a mean of zero and a standard deviation of 35. Thus, approximately 68 percent of the population-related indirect impacts would occur within 35 mi (one standard

deviation), 95 percent of the impacts would occur within 70 mi, and 99 percent of the impact related to a given OB site within 105 mi.

The function is adjusted to OB population levels by the simple expedient of multiplying the normalized function by the OB population. A perhaps more realistic approach would have been to quantify the population density (humans per hectare), and model that population density directly. However, for several reasons, this procedure was not possible and would have required many more assumptions that could not be validated. The function developed is an index relating the distribution of the population impacts to population size, but cannot be construed as an estimate of the population density at any point. This approach gives an effect index that varies by many orders of magnitude. Close to the population center of say 20,000 people, the index will approach 20,000, and will approach 0 at the 4th standard deviation from the population center.

It is also necessary to account for the attractiveness of resources. This is easily done by multiplying the standard deviation, , by a factor, called the appeal rating, which takes values of 1, 2, or 3 and is based on travel distance to the resource. If a resource has an appeal such that a person would travel up to 200 mi solely to visit it, it would be given an appeal rating of 2. If a person would travel 300 mi or more to visit that resource, then the appeal rating is 3. Otherwise the appeal rating is 1. This has the effect of doubling or tripling the spread of the function. The appeal rating is relatively easy to assess. Lake Mead, for example, has an obvious appeal rating of 3 since many people travel up to 300 mi to use Lake Mead's recreational resources. Wheeler Peak has been assigned an appeal rating on 2 but if it should become part of a national park and thus receive greater publicity, the rating might be upgraded. Specific appeal indices are included in Appendix II.

The Equations

The effect index for a single population center j on resource i is given by equation 1 below:

$$E_{ij} = \exp\left[-\frac{1}{2}\left(\frac{X_{ij} - \mu}{\sigma A_i}\right)^2\right] P_j \qquad (1)$$

where

E_{ij} = Effect index of OB j on resource i.

ij = Distance from OB site j to resource i.

= Mean of distribution (u = 0).

= Primary standard deviation of the function (= 35).

P_j = Long term population of OB.

A_i = Appeal rating

Equation 1, evaluated for several population levels and 120 mi is illustrated in Figure 1. Because the basing alternatives call for two bases, it is possible that their influence will overlap. This is given by evaluating equation 1 for both OB sites and summing (Figure 2). A combined effect index using the mean distance (equation 2) is used for most of the analyses discussed below:

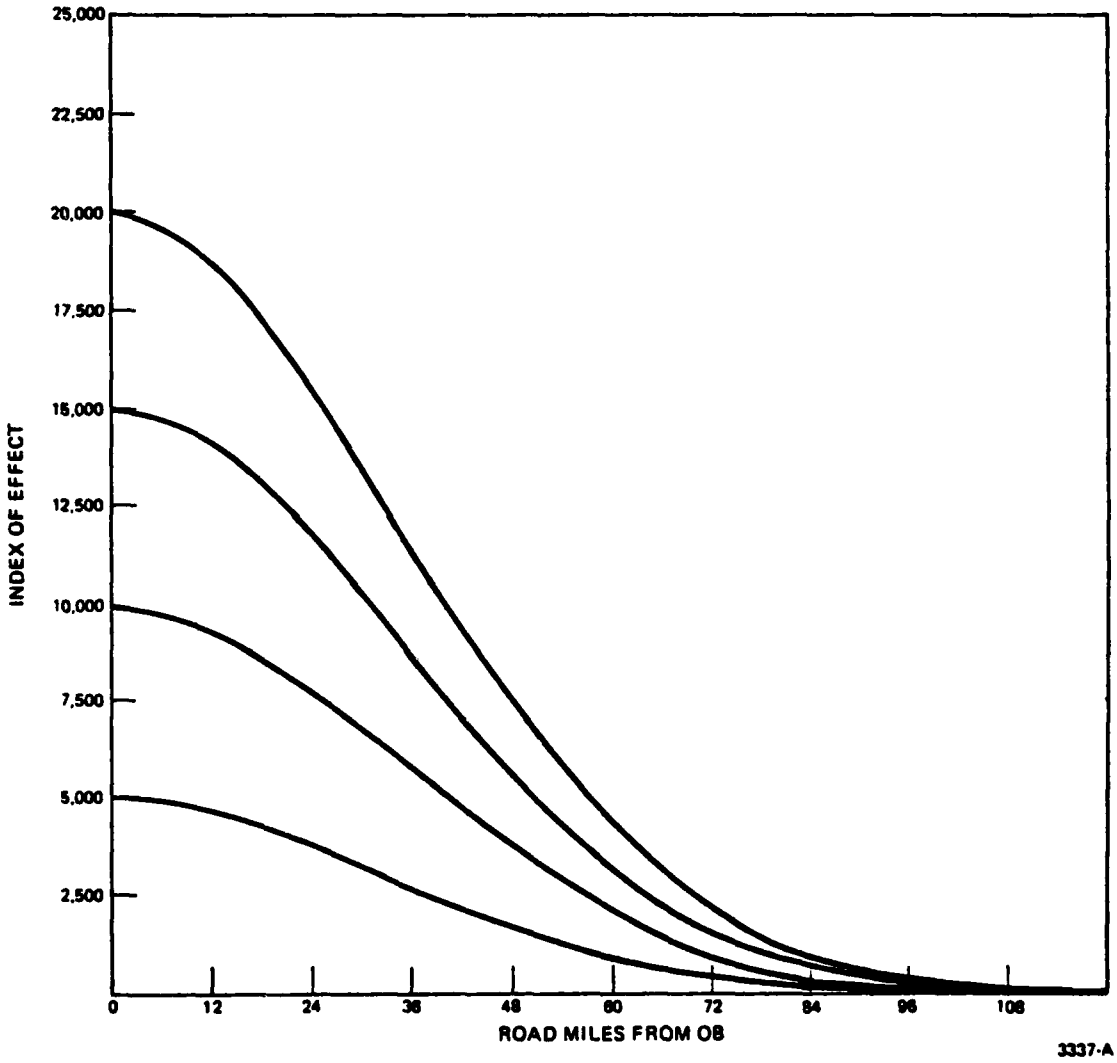

Figure 1. Effect index plotted against distance from hypothetical population centers. The curves from top to bottom reflect populations of 20,000, 15,000, 10,000 and 5,000 people.

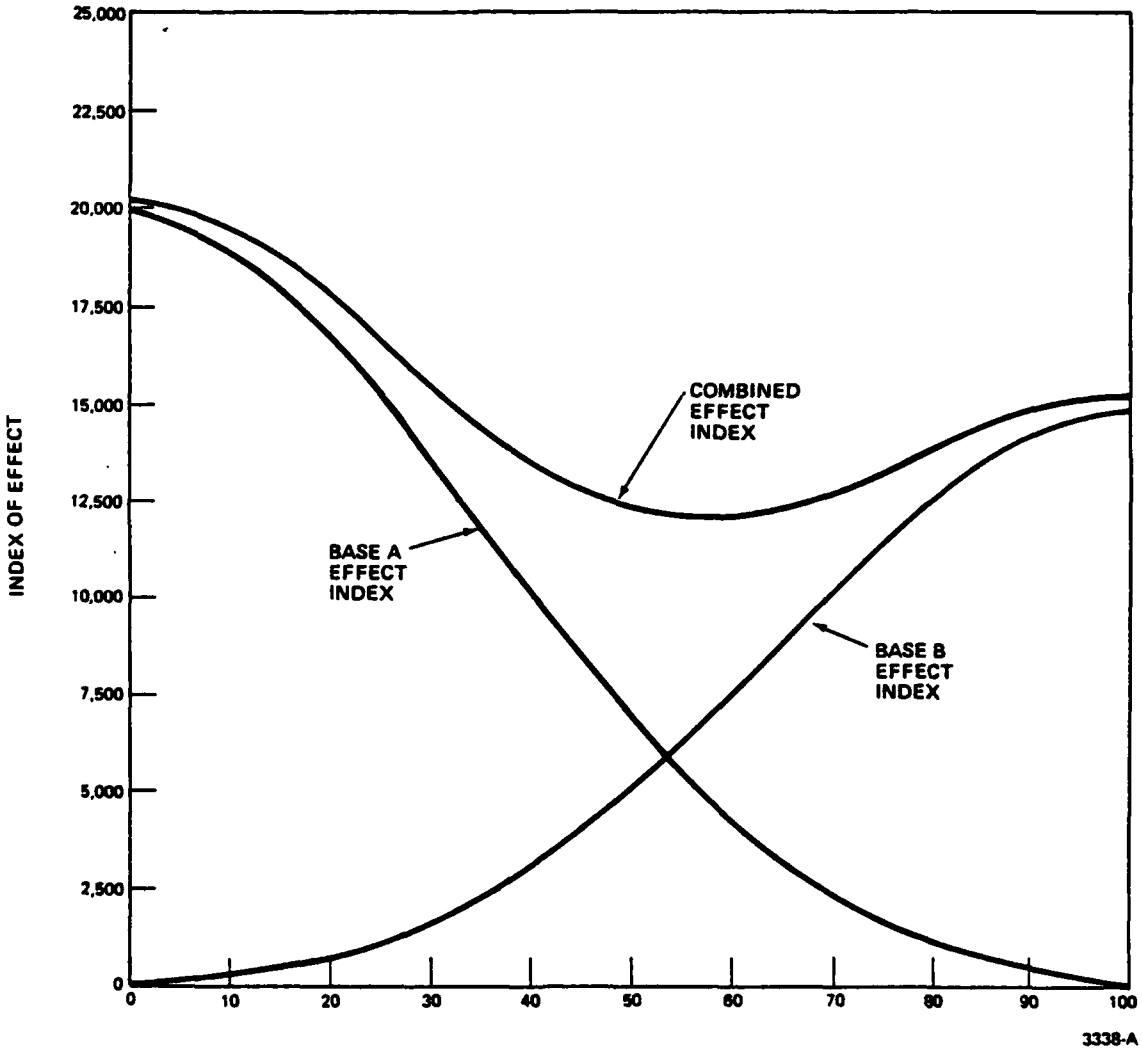

Figure 2. Effect indexes of two hypothetical population centers 100 miles apart, Base A: 20,000 people; Base B: 15,000 people. The combined index is given by equation 2 in text.

$$E_{ik} = \sum_{j=1}^{2} \exp\left[-\frac{1}{2}\left(\frac{\bar{X}_{ij} - \mu}{\sigma A_i} \right)^2 \right] P_j \qquad (2)$$

where

E_{ik} = Combined effect index of Alternative k on resource i.

$_{ij}$ = Mean distance of resource i from OB siting.

All other symbols same as in equation (1).

As pointed out above, this index is an ordinal ranking index for use in estimating the relative impacts of a given population center on a specific resource. While the numbers vary by many orders of magnitude, a difference of 5 orders of magnitude implies that the site with the higher value will be more heavily impacted but does not imply that one site is 5 times as heavily impacted as another. In fact, it may well be that only very large effect indexes are significant for most resources. Perhaps the best way to view the effect index is as an independent variable in regression analysis. This is discussed below.

VALIDATION

The model was tested using the results of a survey of fishing preferences by the State of Nevada (Anon. 1979). These data provided estimates of the number of anglers, angler days, and county of origin. Appeal ratings were assigned to 69 streams and 60 lakes and effect indices were computed for each fishing site relative to home county using equation (1). These raw data are given in Appendix 1.

The appeal rating of the specific resource was initially assigned without reference to the perceived appeal of the user. Appeal was ranked on a relative use criteria, using all fishing data aggregated. Resource rank was assigned as follows: (1) resources with users from only one county; (2) resource sites with users from more than one county and with no county contributing more than 1,000 anglers, and (3) resource sites with one or more counties contributing more than 1,000 anglers to the angler use total. Through initial analysis it was found that the assumption of appeal index assignment without regard to the availability of a like-resource near the population source did not accurately reflect user preference. The appeal ratings were then modified to more closely reflect county by county use data. No hard and fast criteria, like those initially used, were set. Appeal ratings were varied by inspecting raw use data and calculated residual values, as well as the knowledge of local resource availabilities. Further modification of appeal indices, based on attempts to minimize residual values, did not enhance the predictive value of the model or statistical significance of results.

Stepwise regressions were run on the data using models: $y = a + bE + cE^2 + dE^3$. The regression coefficients and some statistics are given in Table 1. The effect index alone was sufficient to account for up to 65 percent of the variance about the prediction of number of anglers on a given stream or lake. A distance times effect index cross product was included to predict angler days from effect index. The rationale for this step was that people would be more inclined to camp at more distant sites, giving a larger ratio of angler days to anglers.

Equations 4-8 in Table 1 were obtained by adjusting the appeal rating for intervening opportunities. Fishermen tend not to bypass nearby high appeal streams

Table 1. Regression equations and some statistics pertaining to prediction of anglers and anglerdays from effect index.

EQUATION	F RATIO	R^2
1. $A_s = 22.1 + 0.0067E$	66.5***	.50
2. $A_l = 42.2 + 0.045E - 4.2 \times 10^{-7}E^2$	21.5**	.43
3. $A_{ds} = 105 + 0.023E$	30.6**	.31
4. $A_{dl} = 738.6 + 0.071E$	24.2**	.29
5. $A_s = 29.6 + 0.0038E'$	126.1***	.65
6. $A_l = 71.3 + 0.051E' - 3.6 \times 10^{-7}E'^2$	46.05***	.62
7. $A_{ds} = 67.3 + 0.043E' - 2.4\times10^{-5}\ E'D$	16.13*	.33
8. $A_{dl} = -48.3 + 0.66E' - 4.2 \times 10^{-6}E'^2 - 0.0016E'D$	42.47**	.45

3962

A_s = Number of anglers fishing a given stream.

A_l = Number of anglers fishing a given lake.

A_{ds} = Anglerdays on streams.

A_{dl} = Anglerdays on lakes.

E = Effect index using a single appeal rating for each stream/lake.

E′ = Effect index using adjusted appeal rating.

D = Air distance from home county to stream/lake.

* Significant at P = 0.01

** Significant at P = 0.005

*** Significant at P = 0.001

for one more distant. The representation of appeal rating as A_{ij} was the only change made in equation 1. It would be possible to modify equation 1 to better predict angler days. Also, there were differences between the use of lakes and streams. However, the results presented indicate that the model could be used to generate predictions of resource use and environmental impacts.

ANALYSIS OF OB SITING ALTERNATIVES

Input Data

A program was written in Pascal to accept a file of population data for each OB siting alternative and another file identifying the resource and providing the distance from the resource to each of the basing alternatives. These were expressed as the nearest and the farthest distances from each OB site to each resource. The mean distance was computed. The data file must also include the appeal rating. The program listing is given in Appendix 2.

The long-term population figures for operating bases used in the analysis were computed using the October 15, 1980 estimates used throughout the DEIS (ETR-2, ETA-28). Population estimates were provided by county for each of the six Nevada/Utah alternatives and the proposed action. Two options were provided using two different baseline populations. One used extrapolated concurrent population growth with M-X as well as the other large future projects expected in the same counties. The other option used normal extrapolation of past growth and project increase due to the M-X project only. The latter option was used because the population estimates were higher and provided the so-called worst case analysis.

For each project alternative, baseline population and projected increase for the counties affected by the first and second OBs from the start of project construction in 1982 to the end of the construction and into a stabilized operations period by 1994 are given in Table 2. The 1994 projected population increase for the directly affected OB county was assumed to indicate the permanent operation personnel numbers (i.e. long-term population) at the bases.

Distances were measured from the center of each OB site to the nearest and farthest identified resource. Appeal ratings were subjectively assigned to recreation and potential wilderness areas. Consultations with state agencies, BLM and other knowledgable personnel were used in estimating appeal ratings. Appeal ratings for wildlife attributes i.e. pronghorn, bighorn, sagegrouse, desert tortoise and Utah prairie dog were assigned using ratings already determined for major "attractants" i.e., wilderness, significant natural areas and recreation areas. The appeal ratings ranged from 1 to 3 as discussed above.

The "attractants" were rated by area whereas the wildlife attributes were listed by the hydrologic subunit in which they occurred. The "attractants" were first sorted out by hydrologic subunits using existing tables and distribution maps. The highest rating determined for any "attractive" area in a given watershed was then assigned to that watershed. This was done for all five wildlife resources and the watersheds in which the wildlife resources are found.

Table 2. OB site long term population.

ALT	BASE A	POPULATION	BASE B	POPULATION
0	Coyote	15,967	Milford	13,071
1	Coyote	15,967	Beryl	12,834
2	Coyote	15,967	Delta	13,679
3	Beryl	16,943	Ely	14,347
4	Beryl	16,943	Coyote	12,195
5	Milford	17,221	Ely	14,347
6	Milford	17,221	Coyote	12,195

3987

Results

The analysis is performed resource by resource. The tables generated by the program are given in Appendix 2. For illustration, a discussion on the analysis of the Great Basin valleys (Tables 3 through 11) is presented in the text.

Tables 3 through 9 show for each alternative (including the Proposed Action which is labeled Alternative 0) the OB pairs and their populations, the resource locations, appeal indexes, the distances from the resources to each of the basing sites, the individual effect indexes and the combined effect index. In Table 3, for example, Snake Valley has an appeal rating of 3, ranges from 132 to 225 mi (and a mean distance of 178.5 mi) from Base A; Coyote Spring is given an effect index ranging from 7,245 to 1,607. Snake Valley is much closer to Base B, Milford, (43 to 112 mi) giving effect indexes ranging from greater than 12,020 to 7,400. The combined effect indexes of the two bases range from 19,300 to 9,000. Table 10 is produced by combining the last column (Average Combined Effects) from each of the preceding seven tables. The data in Table 10 were then sorted for combined effect indexes greater than 10,000 and ranked in order of that effect index (Table 11). Fewer resources with an effect index greater than 10,000 are listed for Alternative 2. On the basis of Table 11 alone, one would say that the impact of Alternative 2 is less than the other alternatives because it has fewer valleys with a high effect index.

The column means, standard deviations and standard errors of Table 10 are computed for each resource. The alternatives are ranked by means in Table 12. Ranking by mean alone shows that Alternative 2, 6 and the Proposed Action (Alternative 0) are the top three choices followed by Alternatives 5, 4 and 3. The subjective ranking was generated by considering the standard deviation and the standard error. For example, if the means were approximately equal, the alternative with the smallest standard deviation was prepared. Since a large standard deviation would indicate that while the mean may be relatively small, some of the resources are impacted particularly hard.

The data in Table 12, and the tables in Appendix 2 are summarized in Table 13. There, with respect to the nine resources analyzed, Alternative 2 ranks first in all but bighorn sheep and desert tortoise habitat. This ranking indicates that Alternative 2 has the smallest total impact on the project area. If this were the only criteria used in the selection or basing sites, Alternative 2 would be the prepared choice. An alternative form of Table 13 is given in Table 14. This table allows easy reference to the ranking of an alternative with respect to a given resource.

CONCLUSIONS AND DISCLAIMERS

According to this analysis, Alternative 2 appears to be the most desirable alternative in that it minimizes impact for all but two of the resources analyzed. This is because Coyote Spring and Delta are farther apart than the other alternatives, which reduces overlap. The fact that the resources were not uniformly distributed about the OB sites may induce some bias, although that should be minimized by ranking by means. Alternatives that include Ely as a base appears worse than all other alternatives because Ely is more central to the study area, and overlaps the spheres of influence of the other OBs.

Table 3.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 0
BASE A: COYOTE LONG TERM POP. 13967.0
BASE B: MILFORD LONG TERM POP. 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	229.0	178.5	7245.1	1607.4	3764.2	43.0	112.0	77.5	12019.6	7400.2	9954.3	19264.7	9007.6	13718.4
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	25.0	51.0	38.0	10127.9	4521.1	7250.0	10264.6	4522.4	7266.2
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	40.0	103.0	71.5	11102.1	4427.5	7758.1	12352.1	4576.7	8225.9
7	1.0	FISH SPR	198.0	243.0	221.5	0.0	0.0	0.0	82.0	129.0	105.5	840.2	14.7	139.1	840.2	14.7	139.1
8	1.0	DUGWAY	220.0	252.0	236.0	0.0	0.0	0.0	98.0	132.0	115.0	259.3	10.7	59.2	259.3	10.7	59.2
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	103.0	143.0	123.0	4427.5	1622.2	2791.6	4496.5	1635.9	2823.2
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1987.0	95.0	129.0	82.0	12364.6	6145.4	9635.5	16604.0	6838.6	11522.4
46A	1.0	SEV LAKE	134.0	195.0	174.5	1.0	0.0	0.1	23.0	77.0	50.0	10532.6	1162.3	4711.4	10533.6	1162.3	4711.5
50	1.0	MILFORD	117.0	159.0	138.0	39.8	0.5	6.7	0.0	20.0	10.0	13071.0	11102.1	12548.2	13130.8	11102.6	12555.0
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	23.0	80.0	51.5	12761.1	9778.1	11589.7	24963.6	18178.7	21918.8
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	9.0	49.0	29.0	12645.9	4905.7	9273.2	12679.1	4906.0	9277.0
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	211.0	258.0	234.5	139.1	14.7	47.8	1796.3	357.7	841.8
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	178.0	215.0	196.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	692.9	186.0	209.0	197.5	383.0	191.5	244.2	1941.7	389.8	897.1
142	1.0	ALKALI SPR	134.0	157.0	145.5	10.5	0.7	2.8	218.0	235.0	226.5	0.0	0.0	0.0	10.5	0.7	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	177.0	206.0	191.5	0.0	0.0	0.0	95.5	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	172.0	194.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
154	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	142.0	180.0	161.0	3.5	0.0	0.3	3.7	0.0	0.3
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	148.0	175.0	161.5	1.7	0.0	0.3	56.0	0.1	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	3183.7	1061.2	2555.6	160.0	186.0	173.0	959.0	383.0	616.6	6142.7	1444.2	3172.1
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	134.0	168.0	151.0	2092.1	733.7	1276.0	12467.1	7091.0	9586.1
171	1.0	COAL	62.0	97.0	79.5	3325.2	343.0	1210.3	106.0	134.0	120.0	133.2	8.6	36.6	3458.5	351.6	1246.9
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	117.0	142.0	129.5	3233.5	1670.0	2361.1	13056.3	6420.2	9476.5
173	1.0	RAILROAD	83.0	171.0	127.0	959.3	0.1	22.1	118.0	178.0	148.0	44.5	0.0	1.7	1004.0	0.1	23.8
174	1.0	JAKES	155.0	186.0	170.5	0.9	0.0	0.1	123.0	145.0	134.0	27.2	2.5	8.6	28.1	2.5	8.7
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	142.0	171.0	156.5	3.5	0.1	0.6	3.5	0.1	0.6
178	1.0	BUTTE	178.0	234.0	216.0	0.0	0.0	0.0	129.0	185.0	157.0	14.7	0.0	0.6	14.7	0.0	0.6
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	92.0	171.0	131.5	5310.9	661.4	2238.7	8209.0	700.0	2680.5
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	86.0	103.0	94.5	6145.4	4427.5	5254.8	12258.4	6714.6	9157.7
181	1.0	DRY LAKE	49.0	112.0	80.5	5992.6	95.4	1133.7	80.0	108.0	94.0	959.0	111.9	354.8	6951.6	207.3	1488.6
182	1.0	DELAMAR	29.0	58.0	43.5	11327.8	4044.9	7375.6	100.0	120.0	110.0	220.6	36.6	93.6	11548.4	4081.5	7469.2
183	2.0	LAKE	100.0	138.0	119.0	5755.3	2287.0	3764.2	63.0	92.0	77.5	8718.1	5310.9	7081.7	14473.3	7797.9	10845.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	129.1	992.5	62.0	142.0	102.0	8830.0	1670.0	4521.1	13269.4	1795.1	5513.6
196	2.0	HAMLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	37.0	75.0	56.0	11366.9	7362.6	9491.5	18225.6	9231.1	13347.8
202	2.0	PATTERSON	73.0	103.0	89.0	8993.9	3408.5	7115.4	62.0	85.0	73.5	8830.0	6253.6	7531.9	17823.8	11662.1	14647.3
207	2.0	WHITERIVER	89.0	169.0	129.0	7115.4	866.0	2922.6	97.0	135.0	116.0	3004.3	2039.4	3311.3	12119.7	2901.4	6233.8
208	1.0	PAHROC	22.0	66.0	44.0	13104.7	2698.1	7245.1	108.0	138.0	123.0	111.9	5.5	27.2	13216.6	2703.6	7272.3
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	108.0	138.0	123.0	111.9	5.5	27.2	13216.6	2703.6	7272.3
210	1.0	COYOTE	0.0	31.0	15.5	13967.0	10786.3	14479.6	123.0	180.0	151.5	27.2	0.0	1.1	13994.2	10786.3	14476.7
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	194.0	222.0	208.0	0.0	0.0	0.0	33.2	0.2	2.8
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	117.6	149.6	133.6	3187.4	1332.0	2115.0	3367.8	1368.7	2198.9
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	181.6	220.0	200.8	451.7	93.6	213.5	547.1	102.0	243.6
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4659.1	17.6	48.0	32.8	12888.7	11774.1	12448.6	18675.3	15447.6	17107.7
49	2.0	PAROWAN	129.6	168.0	148.8	2876.7	894.3	1667.3	24.0	44.0	34.0	12324.9	10727.9	11616.6	15201.5	11624.2	13283.9
51	1.0	CEDAR CITY	105.6	149.6	127.6	168.5	1.7	20.8	16.0	49.6	32.8	11774.1	4788.7	8625.6	11942.6	4790.4	8646.4
52	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	12.0	48.0	30.0	12324.9	5103.8	9052.6	12518.1	5109.2	9089.3
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	200.0	236.0	218.0	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESENT	249.6	280.0	264.8	0.0	0.0	0.0	228.0	236.0	232.0	0.0	0.0	0.0	0.0	0.0	0.0
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	233.6	253.6	243.6	0.0	0.0	0.0	0.0	0.0	0.0
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	232.0	253.6	242.8	53.8	18.5	31.9	402.4	38.4	123.9
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	212.0	237.6	224.8	133.2	41.2	75.3	810.1	106.9	303.9
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	217.6	240.0	228.8	0.0	0.0	0.0	0.0	0.0	0.0
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	180.0	196.0	188.0	0.0	0.0	0.0	1.1	0.0	0.2
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	173.6	212.0	192.8	0.1	0.0	0.0	0.1	0.0	0.0
161	1.0	INDIAN SPR	37.6	65.6	51.6	8966.4	2736.7	5385.8	160.0	204.0	182.0	0.4	0.0	0.0	8966.7	2736.7	5385.8
169	1.0	TIKABOO S	8.0	41.6	24.8	15558.3	7878.8	12422.2	137.6	157.6	147.6	3.8	0.5	1.8	15561.1	7879.3	12424.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	216.0	196.0	3207.8	1375.4	2289.1	4848.3	1946.5	3106.5
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	120.0	144.0	132.0	36.6	2.8	10.7	36.6	2.8	10.7
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	141.6	172.0	156.8	3.6	0.1	0.6	3.6	0.1	0.6
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	161.6	204.0	182.8	0.3	0.0	0.0	0.3	0.0	0.0
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	36.0	73.6	64.8	9491.5	7520.6	8515.8	17801.5	13755.2	15760.9
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8473.5	9592.2	32.0	48.0	60.0	11562.5	10598.3	11102.1	22075.0	19271.8	20694.3
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	88.0	140.0	114.0	5931.0	1769.0	3470.4	21794.1	12281.5	17459.5
206	1.0	HANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	101.6	128.0	114.8	193.4	16.3	60.3	14576.2	6250.9	10572.8
211	1.0	THREE LAK	20.0	60.0	40.0	15561.8	3673.5	8310.0	160.0	197.6	178.8	0.4	0.0	0.0	15562.2	3673.5	8310.1
215	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	141.6	180.0	160.8	5265.0	3007.2	4046.1	20320.5	16569.0	18428.9
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13989.1	14902.7	152.0	169.6	160.8	1237.2	694.4	934.2	16792.5	14683.5	15837.0
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	152.0	164.0	158.0	1237.2	840.2	1023.3	16792.5	15579.6	16220.9
218	2.0	CALIF WASH	13.6	40.0	26.8	15668.5	13561.8	14838.6	140.0	165.6	152.8	1769.0	796.2	1206.8	17437.4	14358.0	16045.4
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	136.0	149.6	142.8	6.9	1.4	3.2	15562.2	14384.2	15058.8
220	1.0	LOWER MO	20.0	37.6	28.8	13561.8	8966.4	11381.4	121.6	152.0	136.8	31.3	1.0	6.3	13593.1	8967.4	11387.7
221	1.0	TULE DES	33.6	56.0	44.8	10071.6	4439.4	7038.0	88.0	112.0	100.0	354.1	78.1	220.6	10625.7	4517.5	7258.6
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	68.0	141.6	104.8	8134.4	1689.3	4261.7	22893.8	10545.8	16378.7
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	128.0	164.0	146.0	6217.4	3859.8	4971.3	21066.9	16806.2	18960.4

Table 4.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: BERYL LONG TERM POP. 12834.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	91.0	137.0	94.0	11406.0	5478.9	8596.6	18651.1	7086.2	12360.8
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	18.0	62.0	40.0	11244.2	2672.8	6679.5	11380.9	2674.1	6695.6
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	68.0	126.0	97.0	8006.6	2539.8	4913.5	9256.6	2689.0	5381.4
7	1.0	FISH SPR	198.0	245.0	221.5	0.0	0.0	0.0	108.0	154.0	131.0	109.8	0.8	11.7	109.6	0.8	11.7
8	1.0	DUGWAY	220.0	252.0	236.0	0.0	0.0	0.0	126.0	162.0	144.0	19.7	0.3	2.7	19.7	0.3	2.7
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	135.0	174.0	154.5	1998.5	584.3	1123.4	2067.5	598.1	1155.0
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	72.0	166.0	119.0	10145.2	3678.1	6752.2	14284.5	4371.3	8639.2
46A	1.0	SEV LAKE	154.0	195.0	174.5	1.0	0.0	0.1	54.0	105.0	79.5	3903.6	142.6	972.8	3904.6	142.6	972.6
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	6.7	28.0	71.0	49.5	9319.4	1639.8	4720.9	9379.2	1640.3	4727.6
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	0.0	20.0	10.0	12834.0	12603.3	12775.9	25036.4	21003.9	23105.1
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	26.0	71.0	48.5	9739.4	1639.8	4913.5	9772.6	1640.1	4917.3
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1637.2	343.0	794.0	192.0	229.0	210.5	298.3	60.9	139.5	1955.5	403.9	933.5
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	169.0	212.0	190.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	652.9	166.0	195.0	180.5	771.3	265.0	461.9	2330.0	503.2	1114.6
142	1.0	ALKALI SPR	134.0	157.0	145.5	10.5	0.7	2.8	188.0	206.0	197.0	0.0	0.0	0.0	10.5	0.7	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	149.0	174.0	161.5	1.5	0.1	0.3	96.9	0.9	11.4
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	158.0	182.0	170.0	0.5	0.0	0.1	0.6	0.0	0.1
154	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	134.0	178.0	156.0	8.4	0.0	0.6	8.6	0.0	0.6
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	135.0	165.0	150.0	7.5	0.2	1.3	61.9	0.2	2.4
156	2.0	HOT CRK	105.0	163.0	134.0	5183.7	1061.2	2355.6	137.0	157.0	147.0	1890.6	1037.6	1415.0	7074.3	2098.8	3970.5
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	102.0	132.0	117.0	4439.2	2168.7	3174.9	14814.2	8526.0	11484.9
171	1.0	COAL	62.0	97.0	79.5	3325.2	343.0	1210.3	75.0	100.0	87.5	1292.0	216.6	563.9	4617.2	559.7	1774.1
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	89.0	112.0	100.5	5719.2	3568.3	4578.9	15542.0	8318.5	11694.3
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	98.0	149.0	123.5	254.6	1.5	25.4	1214.2	1.6	47.5
174	1.0	JAKES	155.0	186.0	170.5	0.9	0.0	0.1	118.0	142.0	130.0	43.7	3.4	13.0	44.5	3.4	13.1
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	138.0	169.0	153.5	5.4	0.1	0.9	5.4	0.1	0.9
178	1.0	BUTTE	178.0	254.0	216.0	0.0	0.0	0.0	129.0	194.0	161.5	14.4	0.0	0.3	14.4	0.0	0.3
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	129.0	182.0	155.5	2349.1	437.0	1088.4	5047.3	475.6	1530.2
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	71.0	92.0	81.5	7673.0	5410.9	6516.4	13786.0	7698.0	10419.3
181	1.0	DRY LAKE	49.0	112.0	80.5	5992.6	95.4	1133.7	49.0	69.0	59.0	4816.7	1838.3	3099.6	10809.3	1933.7	4233.4
182	1.0	DELAMAR	29.0	58.0	43.5	11327.8	4044.9	7375.6	63.0	83.0	73.0	2539.8	771.3	1457.9	13867.6	4816.2	8833.5
183	2.0	LAKE	100.0	138.0	119.0	5755.3	2287.0	3764.2	45.0	83.0	64.0	10438.1	6354.3	8449.8	16193.4	8641.4	12213.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	49.0	151.0	100.0	10045.2	1252.9	4626.0	14484.7	1378.0	5618.5
196	2.0	HAMLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	11.0	75.0	43.0	12676.5	7229.1	13627.3	19535.3	9097.6	14483.6
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	35.0	60.0	47.5	11326.0	8888.4	10194.7	20319.8	14296.9	17310.3
207	2.0	WHITERIVER	89.0	169.0	129.0	7115.4	846.0	2922.6	74.0	123.0	98.5	7339.9	2741.0	4768.7	14455.3	3607.0	7691.3
208	1.0	PAHROC	22.0	66.0	44.0	13104.7	2698.1	7245.1	74.0	100.0	87.0	1373.0	216.6	584.3	14477.7	2914.8	7829.4
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	74.0	100.0	87.0	1373.0	216.6	584.3	14477.7	2914.8	7829.4
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	71.0	114.0	92.5	1639.8	63.8	390.5	17606.8	10850.1	14866.1
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	171.0	194.0	182.5	0.1	0.0	0.0	33.3	0.2	2.8
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	132.0	164.0	148.0	2168.7	825.0	1373.0	2349.2	861.7	1456.9
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	181.6	224.0	202.8	443.5	76.7	193.1	538.9	85.1	223.1
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4659.1	52.0	81.6	66.8	11352.8	9488.9	10482.7	17139.5	13162.4	15141.6
49	2.0	PARDWAN	129.6	168.0	148.8	2876.7	896.3	1667.3	41.6	72.0	56.8	10756.5	7561.9	9234.0	13633.2	8458.2	10901.5
51	1.0	CEDAR CITY	105.6	149.6	127.6	168.5	1.7	20.8	28.0	52.0	40.0	9319.4	4256.4	6679.5	9487.9	4258.1	6700.2
52	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	8.0	40.0	24.0	12503.1	6679.5	10145.2	12696.3	6684.8	10181.9
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	196.0	237.6	216.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESENT	249.6	280.0	264.8	0.0	0.0	0.0	224.0	248.0	236.0	0.0	0.0	0.0	0.0	0.0	0.0
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	224.0	248.0	236.0	0.0	0.0	0.0	0.0	0.0	0.0
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	212.0	244.0	228.0	130.8	29.5	63.8	479.3	49.4	155.8
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	192.0	221.6	206.8	298.3	85.5	163.4	975.2	151.3	391.9
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	208.0	232.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	160.0	176.0	168.0	0.4	0.0	0.1	1.4	0.1	0.3
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	168.0	208.0	188.0	0.1	0.0	0.0	0.1	0.0	0.0
161	1.0	INDIAN SPR	37.6	65.6	51.6	8966.4	2736.7	5388.8	124.0	165.6	144.8	24.1	0.2	2.5	8990.5	2756.9	5388.3
169	1.0	TIKABOO S	8.0	41.6	24.8	15555.3	7878.8	12422.2	100.0	120.0	110.0	216.6	36.0	91.9	15771.9	7914.7	12514.2
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	228.0	202.0	3149.6	1214.8	2016.9	4790.1	1585.9	2834.3
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	132.0	157.6	144.8	10.5	0.5	2.5	10.5	0.5	2.5
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	152.0	188.0	170.0	1.0	0.0	0.1	1.0	0.0	0.1
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	173.6	208.0	190.8	0.1	0.0	0.0	0.1	0.0	0.0
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	24.0	40.0	32.0	12101.4	10900.8	11560.7	20411.4	17135.4	18805.7
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8673.5	9592.2	24.0	52.0	38.0	12503.1	11352.8	12020.5	23015.6	20026.4	21612.7
203	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	49.6	104.0	76.8	9984.8	4256.4	7030.4	25847.8	14768.9	21019.5
204	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	64.0	92.0	78.0	2411.5	405.5	1071.3	16794.3	6640.1	11583.8
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	121.6	160.0	140.8	30.7	0.4	3.9	13592.5	3673.8	8314.0
213	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	108.0	144.0	126.0	7561.9	5011.3	6247.0	22617.4	18573.1	20629.8
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13989.1	14902.7	116.0	133.6	124.8	3251.2	2076.7	2619.0	18806.5	16065.8	17521.8
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	113.6	128.0	120.8	2439.3	2411.5	2895.2	18994.6	17150.9	18092.8
218	2.0	CALIF WASH	13.6	40.0	26.8	15668.5	13561.8	14838.6	104.0	132.0	118.0	4256.4	2168.7	3099.6	19924.9	15730.5	17938.3
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	17.6	112.0	64.8	11309.8	76.7	2312.2	26865.1	14459.5	17367.8
220	1.0	LOWER MO	20.0	37.6	28.8	13561.8	8966.4	11381.4	84.0	116.0	100.0	720.4	52.9	216.6	14282.3	9019.2	11598.0
221	1.0	TULE DES	33.6	56.0	44.8	10071.6	4439.4	7038.0	49.6	76.0	62.8	4701.8	1214.8	2566.0	14773.5	5654.2	9604.0
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8836.4	12117.0	32.0	108.0	70.0	11560.7	3903.6	7784.2	26300.1	12759.9	19901.2
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	96.0	132.0	114.0	8449.8	3823.5	7118.6	23299.2	18769.9	21107.7

Table 5.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: DELTA LONG TERM POP. 13679.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	35.0	77.0	56.0	12939.8	10453.9	11865.6	20184.8	12061.3	15629.7
5	1.0	PINE	106.0	152.0	130.0	136.7	1.3	16.1	48.0	91.0	69.5	3341.2	465.7	1904.7	3477.9	467.0	1920.8
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	22.0	48.0	35.0	13019.8	10813.1	12071.7	14269.9	10962.3	12539.5
7	1.0	FISH SPR	198.0	245.0	221.5	0.0	0.0	0.0	22.0	63.0	42.5	11226.9	2707.1	6544.4	11226.9	2707.1	6544.4
8	1.0	DUGWAY	220.0	252.0	236.0	0.0	0.0	0.0	32.0	66.0	49.0	9006.1	2311.5	5133.9	9006.1	2311.5	5133.9
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	35.0	77.0	56.0	12071.7	7469.8	9933.0	12140.6	7483.5	9964.6
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	0.0	66.0	33.0	13679.0	11226.9	13019.8	17918.3	11920.1	14906.8
46A	1.0	SEV LAKE	154.0	195.0	174.5	1.0	0.0	0.1	2.0	48.0	25.0	13656.7	5341.2	10599.0	13657.7	5341.2	10599.1
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	6.7	35.0	129.0	82.0	9296.7	15.4	879.3	9356.5	15.9	886.0
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	72.0	166.0	119.0	10813.1	3920.3	7196.8	23015.5	12320.8	17526.0
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	35.0	74.0	54.5	8296.7	1463.4	4089.5	8330.0	1463.7	4073.3
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	222.0	278.0	250.0	89.5	5.1	23.2	1746.7	348.2	817.2
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	168.0	205.0	186.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR .	151.0	203.0	177.0	1558.8	238.2	632.9	183.0	217.0	200.0	448.7	112.0	230.9	2007.5	350.3	863.8
142	1.0	ALKALI SPR	134.0	157.0	145.5	10.5	0.7	2.8	243.0	260.0	251.5	0.0	0.0	0.0	10.5	0.7	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	194.0	232.0	213.0	0.0	0.0	0.0	95.4	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	163.0	186.0	174.5	0.3	0.0	0.1	0.4	0.0	0.1
154	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	131.0	155.0	143.0	12.4	0.8	3.2	12.6	0.8	3.2
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	148.0	180.0	164.0	1.8	0.0	0.2	56.1	0.0	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	5183.7	1061.2	2555.6	169.0	206.0	187.5	741.9	180.1	378.5	5925.6	1241.3	2934.1
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	166.0	205.0	185.5	822.0	187.8	408.4	11197.1	6545.1	8718.5
171	1.0	COAL	62.0	97.0	79.5	3325.2	343.0	1210.3	140.0	172.0	156.0	4.6	0.1	0.7	3329.8	343.1	1210.9
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	142.0	169.0	155.5	1747.7	741.9	1160.1	11570.5	5492.1	8275.5
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	126.0	209.0	167.5	21.0	0.0	0.1	980.5	0.1	22.2
174	1.0	JAMES	155.0	186.0	170.5	0.9	0.0	0.1	111.0	132.0	121.5	89.5	11.2	33.1	90.4	11.2	33.2
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	120.0	143.0	131.5	38.3	3.2	11.8	38.4	3.2	11.8
178	1.0	BUTTE	178.0	254.0	216.0	0.0	0.0	0.0	106.0	138.0	122.0	139.4	5.8	31.5	139.5	5.8	31.5
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	86.0	126.0	106.0	6431.2	2707.1	4346.3	9129.4	2745.6	4788.1
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	100.0	122.0	111.5	4930.6	2921.5	3846.9	11043.6	5208.5	7749.8
181	1.0	DRY LAKE	49.0	112.0	80.5	3992.6	95.4	1133.7	105.0	151.0	128.0	152.0	1.2	17.1	6144.6	96.7	1150.8
182	1.0	DELAMAR	29.0	58.0	43.5	11327.8	4044.9	7375.6	151.0	174.0	162.5	1.2	0.1	0.3	11329.0	4045.0	7375.9
183	2.0	LAKE	100.0	138.0	119.0	5755.3	2287.0	3764.2	92.0	111.0	101.5	5767.2	3890.8	4780.8	11522.5	6177.8	8545.0
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	65.0	98.0	81.5	8888.3	5133.9	6945.4	13327.8	5259.0	7937.9
196	2.0	HARLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	66.0	105.0	85.5	8770.3	4440.9	6487.8	15629.1	6309.4	10344.1
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	102.0	126.0	114.0	4731.4	2707.1	3631.8	13725.3	8115.6	10747.2
207	2.0	WHITERIVER	89.0	169.0	129.0	7115.4	866.0	2922.6	102.0	146.0	124.0	4731.4	1553.9	2848.8	11846.8	2419.9	5771.3
208	1.0	PAHROC	22.0	66.0	44.0	13104.7	2498.1	7245.1	151.0	189.0	170.0	1.2	0.0	0.1	13106.0	2498.2	7245.2
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2498.1	7245.1	151.0	189.0	170.0	1.2	0.0	0.1	13106.0	2498.2	7245.2
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	171.0	263.0	217.0	0.1	0.0	0.0	15967.1	10786.3	14475.6
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	208.0	246.0	227.0	0.0	0.0	0.0	33.2	0.2	2.8
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	73.6	100.0	86.8	7870.4	4930.6	6341.2	8050.9	4967.3	6425.0
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	160.0	189.6	174.8	1003.6	349.1	609.3	1099.0	357.5	639.4
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4659.1	60.0	88.0	74.0	11618.5	9627.9	10670.9	17405.1	13301.3	15330.0
49	2.0	PAROWAN	129.6	168.0	148.8	2874.7	876.3	1667.3	81.4	116.0	98.8	6933.9	3465.3	5052.1	9810.5	4341.6	6719.3
51	1.0	CEDAR CITY	105.6	149.6	127.6	168.5	1.7	20.8	85.4	128.0	106.8	687.4	17.1	130.1	855.8	18.8	150.8
52	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	84.0	128.0	106.0	767.9	17.1	139.4	961.0	22.4	176.1
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	185.6	216.0	200.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESENT	249.6	280.0	264.8	0.0	0.0	0.0	205.6	236.0	220.8	0.0	0.0	0.0	0.0	0.0	0.0
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	228.0	241.6	234.8	0.0	0.0	0.0	0.0	0.0	0.0
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	232.0	265.6	248.8	56.3	10.2	24.7	404.9	30.1	116.7
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	217.6	256.0	236.8	109.1	17.1	44.8	785.9	82.8	273.3
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	208.0	232.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	193.6	216.0	204.8	0.0	0.0	0.0	1.1	0.0	0.2
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	169.6	192.0	180.8	0.1	0.0	0.0	0.1	0.0	0.0
161	1.0	INDIAN SPR	37.6	65.6	51.6	8966.4	2756.7	5385.8	224.0	272.0	248.0	0.0	0.0	0.0	8966.4	2756.7	5385.8
169	1.0	TIKABOO S	8.0	41.6	24.8	15555.3	7878.8	12422.2	204.0	228.0	216.0	0.0	0.0	0.0	15555.3	7878.8	12422.2
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	145.6	169.6	157.6	5230.1	3711.2	4434.6	6870.6	4082.4	5252.0
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	84.0	104.0	94.0	767.9	165.5	371.3	767.9	165.5	371.3
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	96.0	124.0	110.0	318.0	25.7	98.0	318.0	25.7	98.0
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	117.6	152.0	134.8	48.4	1.1	8.2	48.4	1.1	8.2
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	120.0	136.0	128.0	2147.1	2072.0	2570.3	11457.1	8306.6	9815.4
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8673.5	9592.2	105.6	121.6	113.6	8249.3	6995.5	7618.7	18761.8	15669.0	17210.9
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	156.0	213.6	184.8	1141.8	130.1	419.4	17004.9	10642.6	14408.5
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	172.0	200.0	186.0	0.1	0.0	0.0	14382.9	6234.6	10512.5
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	229.6	268.0	248.8	0.0	0.0	0.0	13561.8	3673.5	8310.0
215	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	220.0	296.0	238.0	1523.3	700.3	1048.1	16578.8	14262.1	15430.9
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13989.1	14902.7	223.6	244.0	234.8	76.0	31.5	49.3	15631.3	14020.6	14952.0
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	225.6	237.6	231.6	76.0	43.1	57.4	15631.3	14782.5	15255.0
218	2.0	CALIF WASH	13.6	40.0	26.8	15668.5	13561.8	14838.6	213.6	241.6	227.6	130.1	35.4	69.3	15798.5	13597.2	14907.9
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	208.0	224.0	216.0	0.0	0.0	0.0	15555.3	14382.8	15055.6
220	1.0	LOWER MO	20.0	37.6	28.8	13561.8	8966.4	11381.4	196.0	228.0	212.0	0.0	0.0	0.0	13561.8	8966.4	11381.4
221	1.0	TULE DES	33.6	56.0	44.8	10071.6	4439.4	7038.0	161.6	185.6	173.6	0.3	0.0	0.1	10072.0	4439.4	7038.1
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	140.0	220.0	180.0	1851.3	98.0	501.4	16590.7	8954.4	12618.4
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	209.6	241.6	223.6	2011.3	969.2	1416.8	16860.8	13915.6	15405.9

Table 6.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
4	3.0	SNAKE	51.0	137.0	94.0	15057.8	7233.0	11349.0	25.0	89.0	57.0	13946.0	10017.3	12381.4	29003.8	17250.3	23730.4
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.9	8818.0	58.0	94.0	76.0	3634.5	389.3	1358.0	18478.7	3918.0	10176.0
6	2.0	WHITE	68.0	126.0	97.0	10570.0	3353.0	6486.7	60.0	85.0	72.5	9936.3	6864.0	8391.2	20506.3	10217.0	14877.9
7	1.0	FISH SPR	108.0	154.0	131.0	145.0	1.1	15.4	85.0	108.0	96.5	751.7	122.8	320.7	896.7	123.8	336.0
8	1.0	DUGWAY	126.0	162.0	144.0	26.0	0.4	3.6	100.0	122.0	111.0	242.2	33.0	93.9	268.2	33.4	97.5
9	2.0	GOVT CRK	135.0	174.0	154.5	2638.4	771.4	1483.1	114.0	142.0	128.0	3809.2	1833.1	2695.8	6447.6	2604.5	4178.9
46	3.0	SEV DES	72.0	166.0	119.0	13393.3	4859.7	8914.1	82.0	155.0	118.5	10376.1	4823.6	7589.0	23769.4	9681.9	16503.1
46A	1.0	SEV LAKE	54.0	105.0	79.5	2153.4	188.2	1284.2	75.0	103.0	89.0	1444.3	188.9	565.8	6597.7	377.1	1850.0
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	91.0	169.0	130.0	488.5	0.1	14.5	12791.6	2164.9	6246.8
53	3.0	BERYL-ENT	0.0	20.0	10.0	16943.0	16638.4	16846.3	83.0	180.0	131.5	10497.2	3300.8	6549.0	27440.3	19939.2	23415.3
54	1.0	WAH WAH	26.0	71.0	48.5	12897.6	2164.7	6486.7	69.0	100.0	84.5	2055.0	242.2	778.1	14912.6	2406.9	7264.8
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	123.0	183.0	153.0	3064.1	470.6	1316.4	3458.0	551.0	1500.6
139	1.0	KOBEH	169.0	212.0	190.5	0.1	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	506.9	1729.3	112.4	506.9
140	2.0	MONITOR	166.0	195.0	180.5	1018.2	349.9	609.8	85.0	118.0	101.5	6864.0	3465.0	5014.3	7882.2	3814.9	5624.1
142	1.0	ALKALI SPR	188.0	206.0	197.0	0.0	0.0	0.0	149.0	168.0	158.5	1.7	0.1	0.9	1.7	0.1	0.9
149	1.0	STONE CBN	149.0	174.0	161.5	2.0	0.1	0.4	98.0	145.0	121.5	284.7	2.7	34.7	286.6	2.8	35.1
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	68.0	89.0	78.5	2173.2	963.8	1159.9	2173.8	963.8	1160.0
154	1.0	NEWARK	134.0	178.0	156.0	11.1	0.0	0.8	34.0	74.0	54.0	8930.5	1934.9	4363.8	8961.6	1934.9	4364.6
155	1.0	LITTLE SMO	133.0	168.0	150.0	10.0	0.3	1.7	49.0	88.0	68.5	5384.6	608.2	2113.5	5394.6	608.4	2115.2
156	2.0	HOT CRK	137.0	157.0	147.0	2495.9	1349.8	1848.0	71.0	120.0	95.5	8577.6	3300.8	5657.1	11073.5	4670.3	7525.0
170	2.0	HENOYER	102.0	132.0	117.0	5860.4	2863.1	4191.3	88.0	129.0	108.5	6310.0	2626.0	4313.8	12370.4	5489.1	8507.2
171	1.0	COAL	75.0	100.0	87.5	1705.6	284.0	744.4	66.0	105.0	85.5	2424.4	159.4	726.0	4130.0	445.4	1470.4
172	2.0	GARDEN	89.0	112.0	100.5	7550.3	4710.8	6044.9	63.0	102.0	82.5	9569.1	4962.5	7163.7	17119.4	9673.3	13208.6
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	29.0	126.0	77.5	10178.5	22.0	1236.2	10514.6	24.0	1269.7
174	1.0	JAKES	118.0	142.0	130.0	57.6	4.5	17.1	15.0	37.0	26.0	13088.1	8205.2	10887.6	13145.8	8209.7	10904.7
175	1.0	LONG	138.0	169.0	153.5	7.1	0.1	1.1	34.0	75.0	54.5	8950.5	1444.3	4268.2	8957.6	1444.4	4269.3
178	1.0	BUTTE	129.0	194.0	161.5	19.0	0.0	0.4	23.0	97.0	60.0	11560.8	308.2	3300.8	11579.8	308.2	3301.2
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	376.9	1436.9	0.0	85.0	42.5	14347.0	6864.0	11932.1	17448.2	7440.9	13369.0
180	2.0	CAVE	71.0	92.0	81.5	10129.7	7143.3	8602.7	20.0	62.0	41.0	13773.2	9692.0	12085.5	23902.9	16835.3	20688.2
181	1.0	DRY LAKE	49.0	69.0	59.0	6358.9	2426.8	4092.0	46.0	109.0	77.5	6048.8	112.4	1236.2	12407.7	2539.2	5328.2
182	1.0	DELAMAR	63.0	83.0	73.0	3353.0	1018.2	1924.7	100.0	129.0	114.5	242.2	16.1	68.0	3595.2	1034.3	1992.7
183	2.0	LAKE	45.0	83.0	64.0	13780.1	8388.8	11155.1	29.0	68.0	46.5	13460.6	8950.5	11506.4	27240.6	17339.2	22661.5
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1654.0	4107.1	9.0	64.0	36.5	14228.9	9445.9	12523.4	27490.3	11100.0	18630.4
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9543.6	14029.8	34.0	95.0	64.5	12750.6	5712.3	9384.2	29485.7	15255.9	23413.9
202	2.0	PATTERSON	35.0	60.0	47.5	14952.1	11734.2	13458.7	58.0	91.0	74.5	10178.5	6162.9	8143.2	25130.6	17897.1	21601.9
207	2.0	WHITERIVER	74.0	123.0	98.5	9689.9	3618.6	6295.5	5.0	72.0	38.5	14310.4	8453.2	12333.2	24000.3	12071.9	18628.6
208	1.0	PAHROC	74.0	100.0	87.0	1812.6	286.0	771.4	97.0	138.0	117.5	308.2	6.0	51.2	2120.8	292.0	822.6
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	97.0	138.0	117.5	308.2	6.0	51.2	2120.8	292.0	822.6
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	515.6	132.0	243.0	187.5	11.7	0.0	0.0	2176.4	84.2	515.6
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	112.0	157.0	134.5	85.7	0.6	8.9	85.8	0.6	8.9
3	2.0	DEEP CRK	132.0	164.0	148.0	2863.1	1089.1	1812.6	60.0	89.6	74.8	9936.3	6323.9	8106.1	12799.4	7413.0	9918.7
47	2.0	HUNTINGTON	181.6	224.0	202.8	385.5	101.3	234.9	72.0	116.0	94.0	8453.3	3634.5	5823.5	9038.8	3735.8	6078.4
48	3.0	BEAVER	52.0	81.6	66.8	14987.6	12526.9	13838.9	125.6	152.0	138.8	7015.4	5031.6	5988.4	22003.0	17558.5	19827.3
49	2.0	PAROWAN	41.6	72.0	56.8	14200.4	9982.9	12190.4	136.0	156.0	146.0	2173.2	1197.5	1629.8	16373.5	11180.5	13820.1
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	3619.2	8818.0	128.0	156.0	142.0	17.9	0.7	3.8	12321.0	3619.9	8821.8
52	1.0	LUND DIST	8.0	40.0	24.0	16506.1	8818.0	13393.3	93.6	140.0	116.8	401.6	4.8	34.8	16907.7	8822.8	13448.0
53	1.0	PINE(N)	196.0	237.6	216.8	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESENT	224.0	248.0	236.0	0.0	0.0	0.0	116.0	141.6	128.8	39.1	4.0	16.4	39.1	4.0	16.4
55	1.0	CARICO L	224.0	248.0	236.0	0.0	0.0	0.0	121.6	140.0	130.8	34.3	4.8	13.3	34.3	4.8	13.3
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	125.6	152.0	138.8	2868.6	1338.0	2009.1	3041.2	1396.9	2093.3
137B	2.0	BIG SMOKY	192.0	221.6	206.8	393.9	112.9	219.7	108.0	141.6	124.8	4363.8	1834.4	2927.8	4757.6	1967.3	3143.5
138	1.0	GRASS	208.0	232.0	220.0	0.0	0.0	0.0	103.6	125.6	115.6	131.4	22.9	61.4	131.4	22.9	61.4
150	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	80.0	104.0	92.0	1052.6	173.6	453.3	1053.1	173.6	453.5
153	1.0	DIAMOND	168.0	208.0	188.0	0.2	0.0	0.0	61.6	97.6	79.6	3048.8	293.9	1080.4	3048.9	293.9	1080.4
161	1.0	INDIAN SPR	124.0	165.6	144.8	31.9	0.2	3.3	193.6	209.6	179.6	0.9	0.0	0.0	32.8	0.2	3.3
169	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	136.0	176.0	156.0	7.6	0.0	0.7	293.5	47.5	122.1
176	3.0	RUBY	176.0	228.0	202.0	4158.1	1603.7	2662.7	65.6	124.0	94.8	11803.3	7143.6	9344.5	15961.3	8747.3	12207.2
185	1.0	TIPPETT	132.0	157.6	144.8	13.8	0.7	3.3	45.6	73.6	59.6	6140.0	1572.3	3363.8	6153.8	1573.0	3369.1
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.1	68.0	100.0	84.0	2173.2	242.2	805.4	2174.5	242.2	805.5
187	1.0	GOSHUTE	173.6	208.0	190.8	0.1	0.0	0.0	77.6	128.0	102.8	1228.4	17.9	192.1	1228.4	17.9	192.1
198	2.0	DRY	24.0	40.0	32.0	13973.9	14390.8	15262.0	92.0	104.0	98.0	6048.8	4758.2	5384.6	22024.7	19149.0	20646.6
201	3.0	SPRING	24.0	52.0	38.0	16506.1	14987.6	15869.0	64.0	93.6	78.8	11914.8	9642.9	10825.8	28420.9	24630.5	26694.8
203	2.0	MEADOW V	49.6	104.0	76.8	13181.5	3619.2	9281.2	109.6	177.6	143.6	4211.3	374.1	1749.6	17393.0	6193.2	11030.8
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.2	124.0	152.0	138.0	27.0	1.2	6.0	3210.6	536.5	1420.3
211	1.0	THREE LAK	121.6	160.0	140.8	40.5	0.5	5.2	173.6	205.6	189.6	0.1	0.0	0.0	40.6	0.5	5.2
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.3	189.6	209.6	199.6	2810.2	1956.5	2355.4	12793.1	8572.2	10602.5
216	2.0	GARNET	116.0	133.6	124.8	4292.2	2741.6	3457.6	181.6	201.6	191.6	493.8	226.8	358.8	4788.0	2968.4	3796.3
217	2.0	HIDDEN V N	113.6	128.0	120.8	4540.4	3183.6	3822.1	181.6	192.0	186.8	495.8	333.5	407.8	5036.2	3517.1	4229.9
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	2863.1	4092.0	176.0	204.0	190.0	608.2	209.4	360.5	6227.3	3068.4	4452.6
219	1.0	MUDDY R	17.6	112.0	64.8	14930.7	101.3	3052.5	165.6	177.6	171.6	0.2	0.0	0.1	14930.9	101.3	3052.6
220	1.0	LOWER MO	84.0	116.0	100.0	951.1	69.8	286.0	165.6	193.6	179.6	0.2	0.0	0.0	951.3	69.8	286.0
221	1.0	TULE DES	49.6	76.0	62.8	6207.2	1603.7	3087.6	133.6	157.6	145.6	9.8	0.6	2.5	6217.0	1604.3	3090.1
222	2.0	VIRGIN R	32.0	108.0	70.0	15262.0	5193.4	10276.4	120.0	192.0	156.0	3300.8	333.5	1197.5	18562.7	5486.9	11474.0
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7487.9	9397.7	189.6	217.6	201.6	3008.1	1675.6	2271.3	14163.2	9363.5	11669.0

Table 7.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	51.0	137.0	94.0	15057.8	7233.0	11349.0	132.0	225.0	178.5	5533.5	1227.7	2874.9	20591.3	8460.7	14223.9
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	108.0	152.0	130.0	104.4	1.0	12.3	14948.6	3529.5	8830.3
6	2.0	WHITE	68.0	126.0	97.0	10570.0	3353.0	6486.7	158.0	214.0	186.0	954.7	113.9	357.3	11524.7	3466.9	6844.0
7	1.0	FISH SPR	108.0	154.0	131.0	145.0	1.1	15.4	198.0	245.0	221.5	0.0	0.0	0.0	145.0	1.1	15.4
8	1.0	DUGWAY	126.0	162.0	144.0	26.0	0.4	3.6	220.0	252.0	236.0	0.0	0.0	0.0	26.0	0.4	3.6
9	2.0	GOVT CRK	135.0	174.0	154.5	2638.4	771.4	1483.1	231.0	263.0	247.0	52.7	10.5	24.1	2691.0	781.9	1507.2
46	3.0	SEV DES	72.0	166.0	119.0	13393.3	4855.7	8914.1	171.0	263.0	217.0	3237.8	529.5	1441.2	16631.1	5385.1	10355.3
46A	1.0	SEV LAKE	34.0	105.0	79.5	5153.4	188.2	1284.2	154.0	195.0	174.5	0.8	0.0	0.0	5154.1	188.2	1284.3
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	117.0	159.0	138.0	45.7	0.4	5.1	12348.8	2165.2	6237.5
53	3.0	BERYL-ENT	0.0	20.0	10.0	16943.0	16638.4	16886.3	77.0	119.0	98.0	9319.8	6416.1	7889.0	26262.8	23054.5	24755.3
54	1.0	WAH WAH	26.0	71.0	48.5	12857.6	2164.7	6486.7	123.0	163.0	143.0	25.4	0.2	2.9	12883.0	2165.0	6489.6
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	149.0	194.0	171.5	1265.7	262.0	606.4	1659.5	342.4	790.6
139	1.0	KOBEH	169.0	212.0	190.5	0.1	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.2	0.0	0.0
140	2.0	MONITOR	166.0	195.0	180.5	1018.2	349.9	609.8	151.0	203.0	177.0	1190.5	182.0	498.7	2208.7	531.8	1108.4
142	1.0	ALKALI SPR	188.0	206.0	197.0	0.0	0.0	0.0	134.0	157.0	145.5	8.0	0.5	2.2	8.0	0.5	2.2
149	1.0	STONE CBN	149.0	174.0	161.5	2.0	0.1	0.4	112.0	155.0	133.5	72.9	0.7	8.5	74.8	0.7	8.9
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	169.0	197.0	183.0	0.1	0.0	0.0	0.7	0.0	0.1
154	1.0	NEWARK	134.0	178.0	156.0	11.1	0.0	0.8	166.0	217.0	191.5	0.2	0.0	0.0	11.3	0.0	0.8
155	1.0	LITTLE SMO	135.0	165.0	150.0	10.0	0.3	1.7	118.0	188.0	153.0	41.5	0.0	0.9	51.5	0.3	2.6
156	2.0	HOT CRK	137.0	157.0	147.0	2495.9	1369.8	1868.0	103.0	163.0	134.0	3959.1	810.5	1951.9	6455.0	2180.3	3819.8
170	2.0	PENOYER	102.0	132.0	117.0	5860.4	2863.1	4191.3	65.0	95.0	80.0	7924.1	4855.5	6346.9	13784.5	7718.6	10538.2
171	1.0	COAL	75.0	100.0	87.5	1703.6	286.0	744.4	62.0	97.0	79.5	2539.7	262.0	924.3	4243.3	548.0	1668.8
172	2.0	GARDEN	89.0	112.0	100.5	7550.3	4710.8	6044.9	69.0	109.0	89.0	7502.3	3628.0	5434.5	15052.6	8338.8	11479.4
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	83.0	171.0	127.0	732.9	0.1	16.9	1069.0	2.0	50.4
174	1.0	JAKES	118.0	142.0	130.0	57.6	4.5	17.1	155.0	186.0	170.5	0.7	0.0	0.1	58.3	4.5	17.2
175	1.0	LONG	138.0	169.0	153.5	7.1	0.1	1.1	178.0	232.0	205.0	0.0	0.0	0.0	7.2	0.1	1.1
178	1.0	BUTTE	129.0	194.0	161.5	19.0	0.0	0.4	178.0	254.0	216.0	0.0	0.0	0.0	19.0	0.0	0.4
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	576.9	1436.9	132.0	243.0	187.5	2060.7	29.5	337.4	5162.0	606.3	1774.3
180	2.0	CAVE	71.0	92.0	81.5	10129.7	7143.3	8602.7	97.0	138.0	117.5	4668.9	1746.8	2980.9	14798.6	8890.1	11583.6
181	1.0	DRY LAKE	49.0	69.0	59.0	6358.9	2426.8	4092.0	49.0	112.0	80.5	4576.9	72.9	865.9	10935.8	2499.7	4957.9
182	1.0	DELAMAR	63.0	83.0	73.0	3353.0	1018.2	1924.7	29.0	58.0	43.5	8651.7	3089.4	5633.2	12004.7	4107.5	7557.9
183	2.0	LAKE	45.0	83.0	64.0	13780.1	8388.8	11155.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	18175.7	10135.5	14030.0
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1654.0	6107.1	112.0	218.0	165.0	3390.7	95.5	758.0	16652.0	1749.6	6865.1
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9543.6	14029.8	91.0	145.0	118.0	5238.5	1427.1	2945.3	21973.5	10970.7	16975.1
202	2.0	PATTERSON	35.0	60.0	47.5	14952.1	11734.2	13458.7	75.0	103.0	89.0	6869.2	4130.8	5434.5	21821.3	15865.0	18893.2
207	2.0	WHITERIVER	74.0	123.0	98.5	9689.9	3618.6	6295.5	89.0	169.0	129.0	3434.5	661.4	2232.1	13124.3	4280.0	8527.6
208	1.0	PAHROC	74.0	100.0	87.0	1812.6	286.0	771.4	22.0	66.0	44.0	10008.9	2060.7	5533.5	11821.5	2346.7	6304.9
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	22.0	66.0	44.0	10008.9	2060.7	5533.5	11821.5	2346.7	6304.9
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	315.6	0.0	31.0	15.5	12195.0	8238.2	11055.9	14359.7	8322.4	11371.5
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.5	0.1	2.2
3	2.0	DEEP CRK	132.0	164.0	148.0	2863.1	1089.1	1812.6	209.6	244.0	226.8	137.8	28.0	64.1	3000.9	1117.2	1876.7
47	2.0	HUNTINGTON	181.6	224.0	202.8	585.5	101.3	254.9	224.0	272.0	248.0	72.9	6.4	22.9	658.4	107.7	277.8
48	3.0	BEAVER	52.0	81.6	66.8	14987.6	12526.9	13838.9	149.6	180.0	164.8	4419.6	2805.7	3558.4	19407.2	15332.6	17397.4
49	2.0	PAROWAN	41.6	72.0	56.8	14200.4	9982.9	12190.4	129.6	168.0	148.8	2197.1	684.6	1273.4	16397.4	10667.5	13463.8
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	5619.2	8818.0	105.6	149.6	127.6	128.7	1.3	15.8	12431.8	5620.5	8833.8
52	1.0	LUND DIST	8.0	40.0	24.0	16506.1	8818.0	13393.3	104.0	140.0	122.0	147.5	4.1	28.0	16653.7	8822.1	13421.3
53	1.0	PINE(N)	196.0	237.6	216.8	0.0	0.0	0.0	224.0	277.6	250.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESENT	224.0	248.0	236.0	0.0	0.0	0.0	249.6	280.0	264.8	0.0	0.0	0.0	0.0	0.0	0.0
55	1.0	CARICO L	224.0	248.0	236.0	0.0	0.0	0.0	236.0	272.0	254.0	0.0	0.0	0.0	0.0	0.0	0.0
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	193.6	256.0	224.8	266.2	15.2	70.3	438.9	54.2	154.4
137B	2.0	BIG SMOKY	192.0	221.6	206.8	393.9	112.9	215.7	176.0	232.0	204.0	517.0	50.2	174.6	910.8	163.2	390.2
138	1.0	GRASS	208.0	232.0	220.0	0.0	0.0	0.0	220.0	253.6	236.8	0.0	0.0	0.0	0.0	0.0	0.0
150	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	153.6	181.6	167.6	0.8	0.0	0.1	1.3	0.1	0.3
153	1.0	DIAMOND	168.0	208.0	188.0	0.2	0.0	0.0	196.0	248.0	222.0	0.0	0.0	0.0	0.2	0.0	0.0
161	1.0	INDIAN SPR	124.0	165.6	144.8	31.9	0.2	3.3	37.6	65.6	51.6	6848.2	2105.5	4113.5	6880.0	2105.7	4116.7
169	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	8.0	41.6	24.8	11880.6	6017.5	9487.6	12166.6	6063.0	9609.0
176	3.0	RUBY	176.0	228.0	202.0	4158.1	1603.7	2662.7	224.0	288.0	256.0	1252.9	283.5	624.3	5411.0	1887.2	3287.0
185	1.0	TIPPETT	132.0	157.6	144.8	13.8	0.7	3.3	204.0	232.0	218.0	0.0	0.0	0.0	13.8	0.7	3.3
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.1	233.6	261.6	247.6	0.0	0.0	0.0	1.4	0.0	0.1
187	1.0	GOSHUTE	173.6	208.0	190.8	0.1	0.0	0.0	241.6	288.0	264.8	0.0	0.0	0.0	0.1	0.0	0.0
198	2.0	DRY	24.0	40.0	32.0	15975.9	14390.8	15262.0	80.0	96.0	88.0	6346.9	4761.8	5533.5	22322.8	19152.6	20795.5
201	3.0	SPRING	24.0	52.0	38.0	16506.1	14987.6	15869.0	96.0	116.0	106.0	8029.1	6624.5	7326.2	24535.2	21612.1	23195.2
205	2.0	MEADOW V	49.6	104.0	76.8	13181.5	5619.2	9281.2	8.0	64.0	36.0	12115.6	8029.1	10684.4	25297.2	13648.2	19965.6
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.2	16.0	48.0	32.0	10985.1	4761.8	8029.1	14168.7	5297.1	9443.3
211	1.0	THREE LAK	121.6	160.0	140.8	40.5	0.5	5.2	20.0	60.0	40.0	10358.0	2805.7	6346.9	10398.6	2806.1	6352.1
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.0	36.0	60.0	48.0	11498.9	10358.0	10985.1	21481.8	16973.7	19232.1
216	2.0	GARNET	116.0	133.6	124.8	4292.2	2741.6	3457.6	16.0	36.0	26.0	11880.6	10684.4	11382.2	16172.7	13425.9	14839.7
217	2.0	HIDDEN V N	113.6	128.0	120.8	4540.4	3183.6	3822.1	16.0	28.0	22.0	11880.6	11257.4	11607.3	16421.0	14441.0	15429.5
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	2863.1	4092.0	13.6	40.0	26.8	11967.0	10358.0	11333.2	17586.2	13221.1	15425.2
219	1.0	MUDDY R	17.6	112.0	64.8	14930.7	101.3	3052.5	8.0	16.0	12.0	11880.6	10985.1	11498.9	26811.3	11086.3	14551.4
220	1.0	LOWER MO	84.0	116.0	100.0	951.1	69.8	286.0	20.0	37.6	28.8	10358.0	6848.2	8492.7	11309.1	6917.9	8978.7
221	1.0	TULE DES	49.6	76.0	62.8	6207.2	1603.7	3387.6	33.6	56.0	44.8	7692.3	3390.7	5375.4	13899.5	4994.3	8763.0
222	2.0	VIRGIN R	32.0	108.0	70.0	15262.0	5153.4	10276.4	28.0	76.0	52.0	11257.4	6764.2	9254.5	26519.4	11917.5	19530.9
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7687.9	9397.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	22496.5	17575.9	20082.1

Table 8.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 9
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	13839.8	9749.7	13114.7	25.0	89.0	57.0	13946.0	10017.3	12381.4	29781.9	19767.0	25496.1
5	1.0	PINE	29.0	51.0	38.0	13343.5	5956.6	9551.9	58.0	94.0	76.0	3634.5	389.5	1358.0	16978.0	6346.0	10909.9
6	2.0	WHITE	40.0	103.0	71.5	14626.9	5833.3	10221.3	60.0	85.0	72.5	9936.3	6864.0	8391.2	24563.2	12697.3	18612.5
7	1.0	FISH SPR	82.0	129.0	105.5	1107.0	19.3	183.3	85.0	108.0	96.5	751.7	122.8	320.7	1858.7	142.1	503.9
8	1.0	DUGWAY	98.0	132.0	115.0	341.7	14.0	77.9	100.0	122.0	111.0	242.2	33.0	93.9	583.9	47.0	171.8
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2137.2	3677.9	114.0	142.0	128.0	3809.2	1833.1	2695.8	9642.5	3970.3	6373.8
46	3.0	SEV DES	35.0	129.0	82.0	16290.4	8096.5	12694.7	82.0	155.0	118.5	10576.1	4825.8	7589.0	26866.5	12922.3	20283.8
46A	1.0	SEV LAKE	23.0	77.0	50.0	13876.7	1531.3	4207.3	75.0	103.0	89.0	1444.3	188.9	565.8	15321.0	1720.2	4773.1
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16532.3	91.0	169.0	130.0	488.5	0.1	14.5	17709.5	14627.1	16546.7
53	3.0	BERYL-ENT	23.0	80.0	51.5	16812.8	12882.6	15269.3	83.0	180.0	131.5	10497.3	3300.8	6349.0	27310.0	16183.4	21818.3
54	1.0	WAH WAH	9.0	49.0	29.0	16661.0	6463.2	12217.4	69.0	100.0	84.5	2055.0	242.2	778.1	18716.0	6705.4	12995.6
137A	2.0	BIG SMOKY	211.0	258.0	234.5	183.3	19.3	63.0	123.0	183.0	153.0	3064.1	470.6	1316.4	3247.4	489.9	1379.3
139	1.0	KOBEH	178.0	215.0	196.5	0.0	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	506.9	1729.2	112.4	506.9
140	2.0	MONITOR	184.0	209.0	197.5	504.6	199.7	321.7	85.0	118.0	101.5	6864.0	3465.0	5014.3	7368.6	3664.7	5336.0
142	1.0	ALKALI SPR	218.0	235.0	226.5	0.0	0.0	0.0	149.0	168.0	158.5	1.7	0.1	0.5	1.7	0.1	0.5
149	1.0	STONE CBN	177.0	206.0	191.5	0.0	0.0	0.0	98.0	145.0	121.5	284.7	2.7	34.7	284.7	2.7	34.7
151	1.0	ANTELOPE	172.0	174.0	183.0	0.1	0.0	0.0	68.0	89.0	78.5	2173.2	365.8	1139.9	2173.3	365.8	1139.9
154	1.0	NEWARK	142.0	180.0	161.0	4.6	0.0	0.4	34.0	74.0	54.0	8950.5	1534.9	4363.8	8955.0	1534.9	4364.2
155	1.0	LITTLE SMO	148.0	175.0	161.5	2.3	0.1	0.4	49.0	88.0	68.5	5384.6	608.2	2113.5	5386.8	608.2	2113.9
156	2.0	HOT CRK	160.0	186.0	173.0	1263.5	504.6	812.3	71.0	120.0	95.5	8577.6	3300.8	5637.1	9841.1	3805.3	6449.4
170	2.0	PENOYER	134.0	168.0	151.0	2756.3	966.7	1681.2	88.0	129.0	108.5	6310.0	2626.0	4313.8	9266.3	3592.7	5997.0
171	1.0	COAL	106.0	134.0	120.0	175.5	11.3	48.2	66.0	105.0	85.5	2424.4	139.4	726.0	2599.9	170.7	774.2
172	2.0	GARDEN	117.0	142.0	129.5	4260.1	2200.3	3110.8	63.0	102.0	82.5	9569.1	4962.5	7163.7	13829.2	7162.8	10274.5
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	29.0	126.0	77.5	10178.5	22.0	1236.2	10237.1	22.0	1238.4
174	1.0	JAKES	123.0	145.0	134.0	35.8	3.2	11.3	15.0	37.0	26.0	13088.1	8205.2	10887.6	13123.9	8208.4	10898.9
175	1.0	LONG	142.0	171.0	156.5	4.6	0.1	0.8	34.0	75.0	54.5	8950.5	1444.3	4268.2	8955.0	1444.4	4269.0
178	1.0	BUTTE	129.0	185.0	157.0	19.3	0.0	0.7	23.0	97.0	60.0	11560.8	308.2	3300.8	11580.2	308.3	3301.5
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	0.0	85.0	42.5	14347.0	6864.0	11932.1	21607.6	7735.4	14881.5
180	2.0	CAVE	86.0	103.0	94.5	8096.5	5833.3	6923.2	20.0	62.0	41.0	13773.2	9692.0	12085.5	21869.7	15525.2	19008.8
181	1.0	DRY LAKE	80.0	108.0	94.0	1263.5	147.4	467.5	46.0	109.0	77.5	6048.8	112.4	1236.2	7312.3	259.8	1703.6
182	1.0	DELAMAR	100.0	120.0	110.0	290.7	48.2	123.4	100.0	129.0	114.5	242.2	16.1	68.0	532.9	64.4	191.4
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9330.1	25.0	68.0	46.5	12460.6	8990.5	11506.4	24946.6	16211.0	20836.5
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	9.0	64.0	36.5	14228.9	9445.9	12523.4	25862.4	11646.2	18480.0
196	2.0	HAMLIN	37.0	75.0	56.0	14975.8	9700.2	12505.0	34.0	95.0	64.5	12790.6	5712.3	9384.2	27726.4	15412.5	21889.2
202	2.0	PATTERSON	62.0	85.0	73.5	11633.5	8239.0	9922.2	58.0	91.0	74.5	10178.5	6162.9	8143.2	21811.9	14401.9	18066.5
207	2.0	WHITERIVER	97.0	135.0	116.0	6593.1	2681.7	4362.6	5.0	72.0	38.5	14310.4	8453.3	12333.2	20903.6	11135.0	16695.8
208	1.0	PAHROC	108.0	138.0	123.0	147.4	7.2	35.8	97.0	138.0	117.5	308.2	6.0	31.2	455.6	13.3	87.0
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	97.0	138.0	117.5	308.2	6.0	31.2	455.6	13.3	87.0
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	132.0	243.0	187.5	11.7	0.0	0.0	47.5	0.0	1.5
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	112.0	157.0	134.5	85.7	0.6	8.9	85.7	0.6	8.9
3	2.0	DEEP CRK	117.6	149.6	133.6	4199.3	1754.9	2786.6	60.0	89.6	74.8	9936.3	6323.9	8106.1	14135.6	8078.9	10892.7
47	2.0	HUNTINGTON	181.6	220.0	200.8	595.1	123.4	281.3	72.0	116.0	94.0	8453.3	3634.5	5823.5	9048.4	3757.9	6104.9
48	3.0	BEAVER	17.6	48.0	32.8	16980.8	15512.4	16400.9	125.6	152.0	138.8	7015.4	5031.6	5988.4	23996.2	20544.0	22389.3
49	2.0	PAROWAN	24.0	44.0	34.0	16238.0	14133.9	15304.9	136.0	156.0	146.0	2173.2	1197.5	1629.8	18411.2	15331.5	16934.6
51	1.0	CEDAR CITY	16.0	49.6	32.8	15512.4	6309.0	11100.7	128.0	156.0	142.0	17.9	0.7	3.8	15530.3	6309.7	11104.6
52	1.0	LUND DIST	12.0	48.0	30.0	16238.0	6724.3	11926.7	93.6	140.0	116.8	401.6	4.8	54.8	16639.6	6729.1	11981.5
53	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESENT	228.0	236.0	232.0	0.0	0.0	0.0	116.0	141.6	128.8	39.1	4.0	16.4	39.1	4.0	16.4
55	1.0	CARICO L	233.6	253.6	243.6	0.0	0.0	0.0	121.6	140.0	130.8	34.3	4.8	13.3	34.3	4.8	13.3
56	2.0	UPPER REES	232.0	253.6	242.8	70.9	24.3	42.0	125.6	152.0	138.8	2868.6	1358.0	2009.1	2939.5	1382.3	2051.1
137B	2.0	BIG SMOKY	212.0	237.6	224.8	175.5	54.2	99.2	108.0	141.6	124.8	4363.8	1854.4	2927.8	4539.3	1908.6	3027.0
138	1.0	GRASS	217.6	240.0	228.8	0.0	0.0	0.0	103.6	125.6	115.6	151.4	22.9	61.4	151.4	22.9	61.4
150	1.0	LIT FISH L	180.0	196.0	188.0	0.0	0.0	0.0	80.0	104.0	92.0	1052.6	173.6	453.3	1052.7	173.6	453.3
153	1.0	DIAMOND	173.6	212.0	192.8	0.1	0.0	0.0	61.6	97.6	79.6	3048.8	293.9	1080.4	3048.9	293.9	1080.4
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	153.6	205.6	179.6	0.9	0.0	0.0	1.4	0.0	0.1
169	1.0	TIKABOO S	137.6	157.6	147.6	7.6	0.7	2.4	136.0	176.0	156.0	7.6	0.0	0.7	15.1	0.7	3.1
176	3.0	RUBY	176.0	216.0	196.0	4226.3	2073.5	3015.9	69.6	124.0	94.8	11803.3	7143.6	9344.5	16029.6	9219.1	12360.4
185	1.0	TIPPETT	120.0	144.0	132.0	48.2	3.6	14.0	45.6	73.6	59.6	6140.0	1372.3	3365.8	6188.2	1375.9	3379.9
186	1.0	ANTELOPE	141.6	172.0	156.8	4.8	0.1	0.8	68.0	100.0	84.0	2173.2	242.2	805.4	2178.0	242.3	806.1
187	1.0	GOSHUTE	161.6	204.0	182.8	0.4	0.0	0.0	77.6	128.0	102.8	1228.4	17.9	192.1	1228.8	17.9	192.1
198	2.0	DRY	36.0	73.6	64.8	12305.0	9908.4	11219.5	92.0	104.0	98.0	6048.8	4738.2	5384.6	18353.9	14646.5	16604.1
201	3.0	SPRING	52.0	68.0	60.0	15233.5	13963.2	14626.9	64.0	93.6	78.8	11914.8	9642.9	10825.8	27148.3	23606.1	25452.7
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4572.3	109.6	177.6	143.6	4211.5	374.1	1749.6	12025.5	2904.7	6321.8
206	1.0	KANE SPR	101.6	128.0	114.8	254.8	21.5	79.4	124.0	152.0	138.0	27.0	1.2	6.0	281.8	22.6	85.5
211	1.0	THREE LAK	160.0	197.6	178.8	0.5	0.0	0.0	173.6	205.6	189.6	0.1	0.0	0.0	0.6	0.0	0.0
215	3.0	BLACK MTNS	141.6	180.0	160.8	6936.6	3962.0	5330.8	189.6	209.6	199.6	2810.2	1936.5	2359.4	9746.7	5918.5	7686.2
216	2.0	GARNET	152.0	169.6	160.8	1630.0	914.9	1230.8	181.6	201.6	191.6	495.8	226.8	338.8	2125.8	1141.7	1569.6
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	181.6	192.0	186.8	495.8	333.3	407.8	2125.8	1440.5	1756.0
218	2.0	CALIF WASH	140.0	165.6	152.8	2330.6	1049.0	1589.9	176.0	204.0	190.0	608.2	205.4	360.5	2938.8	1254.3	1950.5
219	1.0	MUDDY R	136.0	149.6	142.8	9.1	1.9	4.2	165.6	177.6	171.6	0.2	0.0	0.1	9.3	1.9	4.3
220	1.0	LOWER MO	121.6	152.0	136.8	41.2	1.4	8.3	165.6	193.6	179.6	0.2	0.0	0.0	41.4	1.4	8.3
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	133.6	157.6	145.6	9.8	0.6	2.5	739.9	103.5	293.2
222	2.0	VIRGIN R	68.0	141.6	104.8	10743.4	2223.9	5614.8	120.0	192.0	156.0	3300.8	333.3	1197.5	14044.2	2559.4	6812.4
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	3089.3	6349.7	189.6	217.6	201.6	3008.1	1675.6	2271.3	11199.5	6760.9	8821.0

Table 9.

EFFECT INDEX OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	19835.8	9749.7	13114.7	132.0	225.0	178.5	5533.5	1227.7	2874.9	21349.3	10977.4	15989.7
5	1.0	PINE	25.0	91.0	38.0	13343.5	5956.6	9551.9	108.0	152.0	130.0	104.4	1.0	12.3	13447.8	5957.6	9564.2
6	2.0	WHITE	40.0	103.0	71.5	14426.9	5832.3	10221.3	158.0	214.0	186.0	954.7	113.9	357.3	15381.7	5947.2	10578.6
7	1.0	FISH SPR	82.0	129.0	105.5	1107.0	19.3	183.3	198.0	245.0	221.5	0.0	0.0	0.0	1107.0	19.3	183.3
8	1.0	DUGWAY	98.0	132.0	115.0	341.7	14.0	77.9	220.0	252.0	236.0	0.0	0.0	0.0	341.7	14.0	77.9
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2137.2	3677.9	231.0	263.0	247.0	52.7	10.5	24.1	5885.9	2147.7	3702.1
46	3.0	SEV DES	35.0	129.0	82.0	16290.4	8096.5	12694.7	171.0	263.0	217.0	3237.8	529.5	1441.2	19528.2	8626.0	14135.9
46A	1.0	SEV LAKE	23.0	77.0	50.0	13876.7	1531.3	6207.3	154.0	195.0	174.5	0.8	0.0	0.0	13877.5	1531.3	6207.3
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16532.3	117.0	159.0	138.0	45.7	0.4	5.1	17266.7	14627.3	16537.4
53	3.0	BERYL-ENT	23.0	80.0	51.5	16812.8	12882.6	15269.3	77.0	119.0	98.0	9319.8	6416.1	7889.0	26132.5	19298.7	23158.3
54	1.0	WAH WAH	9.0	49.0	29.0	16661.0	6463.2	12217.4	123.0	163.0	143.0	25.4	0.2	2.9	16686.3	6463.5	12220.3
137A	2.0	BIG SMOKY	211.0	258.0	234.5	183.3	19.3	63.0	149.0	194.0	171.5	1265.7	262.0	606.4	1449.0	281.3	669.4
139	1.0	KOBEH	178.0	215.0	196.5	0.0	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	186.0	209.0	197.5	504.6	199.7	321.7	191.0	203.0	177.0	1190.5	182.0	498.7	1695.1	381.6	820.4
142	1.0	ALKALI SPR	218.0	235.0	226.5	0.0	0.0	0.0	134.0	157.0	145.5	8.0	0.5	2.2	8.0	0.5	2.2
149	1.0	STONE CBN	177.0	206.0	191.5	0.0	0.0	0.0	112.0	155.0	133.5	72.9	0.7	8.5	72.9	0.7	8.5
151	1.0	ANTELOPE	172.0	194.0	183.0	0.1	0.0	0.0	169.0	197.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
154	1.0	NEWARK	142.0	180.0	161.0	4.6	0.0	0.4	166.0	217.0	191.5	0.2	0.0	0.0	4.7	0.0	0.4
155	1.0	LITTLE SMO	148.0	173.0	161.5	2.3	0.1	0.4	118.0	188.0	153.0	41.5	0.0	0.9	43.7	0.1	1.3
156	2.0	HOT CRK	160.0	184.0	172.0	1263.5	504.6	812.3	105.0	163.0	134.0	3959.1	810.5	1951.9	5222.6	1315.1	2764.2
170	2.0	PENOYER	134.0	168.0	151.0	2756.3	966.7	1681.2	63.0	95.0	80.0	7924.1	4855.5	6344.9	10680.3	5822.2	8028.1
171	1.0	COAL	106.0	134.0	120.0	175.5	11.3	48.2	62.0	97.0	79.5	2539.7	262.0	924.3	2715.2	273.3	972.6
172	2.0	GARDEN	117.0	142.0	129.5	4260.1	2200.3	3110.8	69.0	109.0	89.0	7502.3	3628.0	5434.5	11762.4	5828.3	8545.3
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	83.0	171.0	127.0	732.9	0.1	16.9	791.4	0.1	19.1
174	1.0	JAKES	123.0	145.0	134.0	35.8	3.2	11.3	155.0	186.0	170.5	0.7	0.0	0.1	36.5	3.2	11.4
175	1.0	LONG	142.0	171.0	156.5	4.6	0.1	0.8	178.0	232.0	205.0	0.0	0.0	0.0	4.6	0.1	0.8
178	1.0	BUTTE	129.0	185.0	157.0	19.3	0.0	0.7	178.0	254.0	216.0	0.0	0.0	0.0	19.4	0.0	0.7
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	132.0	243.0	187.5	2060.7	39.5	337.4	9321.3	900.9	3286.9
180	2.0	CAVE	86.0	103.0	94.5	8096.5	5833.3	6923.2	97.0	138.0	117.5	4668.9	1746.8	2980.9	12765.4	7580.0	9904.1
181	1.0	DRY LAKE	80.0	108.0	94.0	1263.5	147.4	467.5	49.0	112.0	80.5	4976.9	72.9	843.9	5840.4	220.3	1333.4
182	1.0	DELAMAR	100.0	120.0	110.0	290.7	48.2	123.4	29.0	58.0	43.5	8651.7	3089.4	5633.2	8942.4	3137.6	5756.6
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9330.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	15881.7	9007.3	12205.0
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	112.0	218.0	165.0	3390.7	95.5	758.0	15024.1	2295.8	6714.6
196	2.0	MARLIN	37.0	75.0	56.0	14975.8	9700.2	12505.0	91.0	145.0	118.0	3238.5	1427.1	2945.3	20214.3	11127.3	15450.3
202	2.0	PATTERSON	62.0	85.0	73.5	11633.5	8239.0	9923.2	75.0	103.0	89.0	4849.2	4130.8	5434.5	18502.6	12369.9	15357.7
207	2.0	WHITERIVER	97.0	135.0	116.0	6593.1	2681.7	4362.6	89.0	169.0	129.0	5434.5	441.4	2232.1	12027.6	3243.1	6594.7
208	1.0	PAHROC	108.0	138.0	123.0	147.4	7.2	35.8	22.0	66.0	44.0	10008.9	2060.7	5533.5	10156.3	2068.0	5569.3
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	22.0	66.0	44.0	10008.9	2060.7	5533.5	10156.3	2068.0	5569.3
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	0.0	31.0	15.5	12195.0	8238.2	11055.9	12230.8	8238.2	11057.4
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.4	0.1	2.2
3	2.0	DEEP CRK	117.6	149.6	133.6	4199.3	1754.9	2786.6	209.6	244.0	226.8	137.8	28.0	64.1	4337.2	1783.0	2850.6
47	2.0	HUNTINGTON	181.6	220.0	200.8	395.1	123.4	281.3	224.0	272.0	248.0	72.9	6.4	22.9	468.0	129.8	304.3
48	3.0	BEAVER	17.6	48.0	32.8	16980.8	15512.4	16400.9	149.6	180.0	164.8	4419.6	2805.7	3558.4	21400.4	18318.1	19959.4
49	2.0	PAROWAN	24.0	44.0	34.0	16238.0	14133.9	15304.9	129.6	168.0	148.8	2197.1	684.6	1273.4	18435.1	14818.5	16578.3
51	1.0	CEDAR CITY	16.0	49.6	32.8	15912.4	6309.0	11100.7	105.6	149.6	127.6	128.7	1.3	15.8	15641.1	6310.3	11116.6
52	1.0	LUND DIST	12.0	48.0	30.0	16238.0	6724.3	11926.7	104.0	140.0	122.0	147.5	4.1	28.0	16385.5	6728.3	11954.8
53	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	224.0	277.6	250.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESENT	228.0	236.0	232.0	0.0	0.0	0.0	249.6	280.0	264.8	0.0	0.0	0.0	0.0	0.0	0.0
55	1.0	CARICO L	233.6	253.6	243.6	0.0	0.0	0.0	236.0	272.0	254.0	0.0	0.0	0.0	0.0	0.0	0.0
56	2.0	UPPER REES	232.0	253.6	242.8	70.9	24.3	42.0	193.6	256.0	224.8	266.2	15.2	70.3	337.1	39.5	112.3
137B	2.0	BIG SMOKY	212.0	237.6	224.8	173.5	54.2	99.2	176.0	232.0	204.0	317.0	50.2	174.6	492.5	104.5	273.8
138	1.0	GRASS	217.6	240.0	228.8	0.0	0.0	0.0	220.0	253.6	236.8	0.0	0.0	0.0	0.0	0.0	0.0
130	1.0	LIT FISH L	180.0	196.0	188.0	0.0	0.0	0.0	153.6	181.6	167.6	0.8	0.0	0.1	0.8	0.0	0.1
133	1.0	DIAMOND	173.6	212.0	192.8	0.1	0.0	0.0	196.0	248.0	222.0	0.0	0.0	0.0	0.1	0.0	0.0
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	37.6	65.6	51.6	4848.2	2105.5	4113.5	4848.7	2105.5	4113.5
169	1.0	TIKABOO S	137.6	157.6	147.6	7.6	0.7	2.4	8.0	41.6	24.8	11880.6	6017.5	9487.6	11888.1	6018.2	9490.0
176	3.0	RUBY	176.0	216.0	196.0	4226.3	2075.5	3015.9	224.0	288.0	256.0	1252.9	283.5	624.3	5479.2	2359.0	3640.2
183	1.0	TIPPETT	120.0	144.0	132.0	48.2	3.6	14.0	204.0	232.0	218.0	0.0	0.0	0.0	48.2	3.6	14.0
186	1.0	ANTELOPE	141.6	172.0	156.8	4.8	0.1	0.8	233.6	261.6	247.6	0.0	0.0	0.0	4.8	0.1	0.8
187	1.0	GOSHUTE	161.6	204.0	182.8	0.4	0.0	0.0	241.6	288.0	264.8	0.0	0.0	0.0	0.4	0.0	0.0
198	2.0	DRY	56.0	73.6	64.8	12505.0	9908.4	11219.5	80.0	96.0	88.0	6346.9	4761.8	5533.5	18851.9	14670.1	16753.0
201	3.0	SPRING	52.0	68.0	60.0	15233.5	13963.2	14626.9	96.0	116.0	106.0	8029.1	6624.5	7326.2	23262.6	20587.7	21953.1
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4972.3	8.0	64.0	36.0	12113.6	8029.1	10684.4	19929.7	10359.7	15256.6
206	1.0	KANE SPR	101.6	128.0	114.8	254.8	21.5	79.4	16.0	48.0	32.0	10985.1	4741.8	8029.1	11239.9	4783.2	8108.5
211	1.0	THREE LAK	160.0	197.6	178.8	0.5	0.0	0.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10358.5	2805.7	6346.9
215	3.0	BLACK MTNS	141.6	180.0	160.8	6936.6	3962.0	5330.8	36.0	60.0	48.0	11498.9	10358.0	10985.1	18435.5	14320.0	16315.8
216	2.0	GARNET	152.0	169.6	160.8	1630.0	914.9	1230.8	16.0	36.0	26.0	11880.6	10684.4	11382.2	13510.6	11599.2	12613.0
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	16.0	28.0	22.0	11880.6	11257.4	11607.3	13510.6	12364.4	12955.6
218	2.0	CALIF WASH	140.0	165.6	152.8	2330.6	1049.0	1589.9	13.6	40.0	26.8	11947.0	10358.0	11333.2	14297.6	11407.0	12923.1
219	1.0	MUDDY R	136.0	149.6	142.8	9.1	1.9	4.2	8.0	16.0	12.0	11880.6	10985.1	11498.9	11889.6	10986.9	11503.1
220	1.0	LOWER MO	121.6	152.0	136.8	41.2	1.4	8.3	20.0	37.6	28.8	10358.0	6848.2	9692.7	10399.2	6849.5	8701.0
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	33.6	56.0	44.8	7692.3	3390.7	5375.4	8422.4	3493.6	5666.1
222	2.0	VIRGIN R	68.0	141.6	104.8	10743.4	2225.9	5614.8	28.0	76.0	52.0	11257.4	6764.2	9234.5	22000.8	8990.0	14849.3
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	5085.3	6549.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	19532.9	14973.3	17234.1

Table 10.

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON GREAT BASIN VALLEYS

LOCATION NO	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
4	SNAKE	3.0	13718.4	12360.8	15629.7	23730.4	14223.9	23496.1	13989.7
5	PINE	1.0	7266.2	6695.6	1920.8	10176.0	8830.3	10909.9	9344.2
6	WHITE	2.0	8225.9	5381.4	12529.5	14877.9	6844.0	18612.5	10578.6
7	FISH SPR	1.0	139.1	11.7	6344.4	336.0	13.4	302.9	183.3
8	DUGWAY	1.0	39.2	2.7	5133.9	97.3	3.6	171.8	77.9
9	GOVT CRK	2.0	2823.2	1155.0	9964.6	4178.9	1507.2	6373.8	3702.1
46	SEV DES	3.0	11922.4	8639.2	14906.8	16503.1	10359.3	20283.8	14135.9
46A	SEV LAKE	1.0	4711.5	972.8	10599.1	1850.0	1284.3	6773.1	6207.3
50	MILFORD	1.0	12555.0	4727.6	886.0	6246.8	6237.5	16946.7	16537.4
53	BERYL-ENT	3.0	21918.6	23105.1	17526.0	23415.3	24759.3	21818.3	23138.3
54	WAH WAH	1.0	9277.0	4917.3	4073.3	7264.8	6489.6	12995.6	12220.3
137A	BIG SMOKY	2.0	841.8	933.5	817.2	1500.6	790.6	1379.3	669.4
139	KOBEH	1.0	0.0	0.0	0.0	306.9	0.0	306.9	0.0
140	MONITOR	2.0	897.1	1114.8	883.8	3624.1	1108.4	3336.0	820.4
142	ALKALI SPR	1.0	2.8	2.8	2.8	0.3	2.2	0.5	2.2
149	STONE CBN	1.0	11.1	11.4	11.1	35.1	8.9	34.7	8.5
151	ANTELOPE	1.0	0.0	0.1	0.1	1160.0	0.1	1139.9	0.0
154	NEWARK	1.0	0.3	0.6	3.2	4364.6	0.8	4364.2	0.4
155	LITTLE SMO	1.0	1.4	2.4	1.4	2113.2	2.6	2113.9	1.3
156	HOT CRK	2.0	3172.1	3970.5	2934.1	7825.0	3819.8	6449.4	2764.2
170	PENOYER	2.0	9586.1	11484.9	8718.5	8507.2	10538.2	5997.0	8028.1
171	COAL	1.0	1246.9	1774.1	1210.9	1470.4	1668.8	774.2	972.6
172	GARDEN	2.0	9476.5	11694.3	8275.5	13208.6	11479.4	10274.5	8545.3
173	RAILROAD	1.0	23.8	47.5	22.2	1269.7	50.4	1238.4	19.1
174	JAMES	1.0	8.7	13.1	33.2	10904.7	17.2	10898.9	11.4
175	LONG	1.0	0.6	0.9	11.8	4269.3	1.1	4269.0	0.8
178	BUTTE	1.0	0.6	0.3	31.5	3301.2	0.4	3301.5	0.7
179	STEPTOE	2.0	2680.5	1530.2	4788.1	13369.0	1774.3	14881.5	3286.9
180	CAVE	2.0	9157.7	10419.3	7749.8	20688.2	11583.6	19008.8	9904.1
181	DRY LAKE	1.0	1488.6	4233.4	1150.8	9328.2	4957.9	1703.6	1333.4
182	DELAMAR	1.0	7469.2	8832.3	7275.9	1992.7	7557.9	191.4	3756.6
183	LAKE	2.0	10845.9	12213.9	8545.0	22661.5	14030.0	20836.5	12205.0
184	SPRING	2.0	5513.6	3618.5	7937.9	18630.4	6865.1	18480.0	6714.6
196	HARLIN	2.0	12347.8	14483.6	10244.1	23413.9	16975.1	21889.2	15450.3
202	PATTERSON	2.0	14447.3	17310.1	10747.2	21601.9	19893.2	18066.5	15357.7
207	WHITERIVER	2.0	6233.8	7691.3	5771.3	18628.6	8527.6	16695.8	6394.7
208	PAHROC	1.0	7278.3	7829.4	7245.2	822.6	6304.9	87.0	5969.3
209	PAHRANAGAT	1.0	7272.3	7829.4	7245.2	822.6	6304.9	87.0	5969.3
210	COYOTE	1.0	14476.7	14866.1	14475.6	315.6	11571.5	1.5	11057.4
141	RALSTON	1.0	2.8	2.8	2.8	8.9	2.2	8.9	2.2
3	DEEP CRK	2.0	2198.9	1456.9	6425.0	9918.7	1876.7	10892.7	2850.6
47	HUNTINGTON	2.0	243.6	233.1	635.4	6078.4	277.8	6104.9	304.3
48	BEAVER	3.0	17107.7	15141.8	15330.0	19827.3	17297.4	22389.3	19959.4
49	PAROWAN	2.0	13283.9	10901.3	6719.3	12820.1	13463.8	16934.6	16378.3
51	CEDAR CITY	1.0	8446.4	6700.2	150.8	8821.8	8833.8	11104.6	11116.6
52	LUND DIST	1.0	9089.3	10181.9	176.1	12448.0	13421.3	11991.5	11954.8
53	PINE(N)	1.0	0.0	0.0	0.0	122.8	0.0	122.8	0.0
54	CRESENT	1.0	0.0	0.0	0.0	16.4	0.0	16.4	0.0
55	CARICO L	1.0	0.0	0.0	0.0	13.3	0.0	13.3	0.0
56	UPPER REEB	2.0	123.9	155.8	116.7	2093.3	154.4	2091.1	112.3
137B	BIG SMOKY	2.0	303.9	391.9	273.3	3143.9	299.2	3027.0	273.6
138	GRASS	1.0	0.0	0.0	0.0	61.4	0.0	61.4	0.0
150	LIT FISH L	1.0	0.2	0.3	0.2	493.5	0.3	493.3	0.1
153	DIAMOND	1.0	0.0	0.0	0.0	1080.4	0.0	1080.4	0.0
161	INDIAN SPR	1.0	5383.8	5388.3	5383.8	3.3	4114.7	0.1	4113.3
169	TIKABOO S	1.0	12424.0	12514.2	12422.2	122.1	9609.0	2.1	9490.0
176	RUBY	3.0	3106.5	2834.3	3232.0	12207.2	3287.0	12560.4	3640.2
185	TIPPETT	1.0	10.7	2.5	371.3	3369.1	3.3	3379.9	14.0
186	ANTELOPE	1.0	0.6	0.1	98.0	803.5	0.1	806.1	0.8
187	GOSHUTE	1.0	0.0	0.0	8.2	192.1	0.0	192.1	0.0
198	DRY	2.0	15760.9	18805.7	9815.4	20646.6	20795.3	16604.1	16753.0
201	SPRING	3.0	20694.3	21612.7	17210.9	26694.8	23195.2	25452.7	21953.1
205	MEADOW V	2.0	17489.5	21019.5	14408.9	11030.8	19965.6	6321.8	15256.6
206	KANE SPR	1.0	10572.8	11383.8	10512.5	1420.3	9443.3	89.5	8108.5
211	THREE LAM	1.0	8310.1	8314.0	8310.0	5.2	6352.1	0.0	6346.9
215	BLACK MTNS	3.0	18428.9	20629.8	15430.9	10602.5	19232.1	7686.2	16319.8
216	GARNET	2.0	15837.0	17321.8	14952.0	3796.3	14839.7	1549.6	12613.0
217	HIDDEN V N	2.0	16220.9	18092.8	15235.0	4229.9	15429.5	1756.0	12955.6
218	CALIF WASH	2.0	16045.4	17928.3	14907.9	4452.6	15425.2	1950.5	12923.1
219	MUDDY R	1.0	15038.8	17367.8	13055.6	3052.6	14551.4	4.3	11303.1
220	LOWER MO	1.0	11387.7	11598.0	11381.4	286.0	8978.7	8.3	8701.0
221	TULE DES	1.0	7258.6	9604.0	7038.1	3390.1	8763.0	293.2	5466.1
222	VIRGIN R	2.0	16378.7	19901.2	12618.4	11474.0	19530.9	4812.4	14849.3
223	GOLD BUTTE	3.0	18960.4	21107.7	15405.9	11669.0	20082.1	8821.0	17234.1

Table 11.

GREAT BASIN VALLEYS RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN 10000.0

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
BERYL-ENT	21918.6	BERYL-ENT	23105.1	BERYL-ENT	17526.0	SPRING	26694.8	BERYL-ENT	24759.3	SNAKE	23496.1	BERYL-ENT	23138.3
SPRING	20694.3	SPRING	21612.7	SPRING	17210.9	SNAKE	23730.4	SPRING	23195.2	SPRING	23452.7	SPRING	21953.1
GOLD BUTTE	18960.4	GOLD BUTTE	21107.7	SNAKE	15629.7	BERYL-ENT	23415.3	DRY	20795.3	BEAVER	22389.3	BEAVER	19959.4
BLACK MTNS	18428.9	MEADOW V	21019.5	BLACK MTNS	15430.9	HARLIN	23413.9	GOLD BUTTE	20082.1	HARLIN	21889.2	GOLD BUTTE	17234.1
MEADOW V	17489.5	BLACK MTNS	20629.8	GOLD BUTTE	15405.9	LAKE	22661.5	MEADOW V	19965.6	BERYL-ENT	21818.3	DRY	16753.0
BEAVER	17107.7	VIRGIN R	19901.2	BEAVER	15330.0	PATTERSON	21601.9	VIRGIN R	19530.9	LAKE	20836.5	PAROWAN	16378.3
VIRGIN R	16378.7	DRY	18805.7	HIDDEN V N	15235.0	CAVE	20688.2	BLACK MTNS	19232.1	SEV DES	20283.8	MILFORD	16537.4
HIDDEN V N	16220.9	HIDDEN V N	18092.8	MUDDY R	15059.6	DRY	20646.6	PATTERSON	18893.2	CAVE	19008.8	BLACK MTNS	16319.8
CALIF WASH	16045.4	CALIF WASH	17928.3	GARNET	14952.0	BEAVER	19827.3	BEAVER	17297.4	WHITE	18612.5	SNAKE	15989.7
GARNET	15837.0	GARNET	17321.8	CALIF WASH	14907.9	SPRING	18630.4	HARLIN	16975.1	SPRING	18480.0	HARLIN	15450.3
DRY	15760.9	MUDDY R	17367.8	SEV DES	14906.8	WHITERIVER	18628.6	HIDDEN V N	15429.5	PATTERSON	18066.5	PATTERSON	15357.7
MUDDY R	15038.8	PATTERSON	17310.1	COYOTE	14475.6	SEV DES	16503.1	CALIF WASH	15425.2	PAROWAN	16934.6	MEADOW V	15256.6
PATTERSON	14447.3	BEAVER	15141.8	MEADOW V	14408.9	WHITE	14877.9	GARNET	14839.7	WHITERIVER	16695.8	VIRGIN R	14849.3
COYOTE	14476.7	COYOTE	14866.1	VIRGIN R	12618.4	PAROWAN	13820.1	MUDDY R	14551.4	DRY	16604.1	SEV DES	14135.9
SNAKE	13718.4	HARLIN	14483.6	WHITE	12529.5	LUND DIST	13448.0	SNAKE	14223.9	MILFORD	16346.7	HIDDEN V N	12955.6
HARLIN	13247.8	TIKABOO S	12514.2	TIKABOO S	12422.2	STEPTOE	13369.0	LAKE	14030.0	STEPTOE	14881.3	CALIF WASH	12923.1
PAROWAN	13283.9	SNAKE	12360.8	LOWER MO	11381.4	GARDEN	13208.6	PAROWAN	13463.8	WAH WAH	12995.6	GARNET	12613.0
MILFORD	12555.0	LAKE	12213.9	PATTERSON	10747.2	RUBY	12207.2	LUND DIST	13421.3	RUBY	12560.4	WAH WAH	12220.3
TIKABOO S	12424.0	GARDEN	11694.3	SEV LAKE	10599.1	GOLD BUTTE	11669.0	CAVE	11583.6	LUND DIST	11991.5	LAKE	12205.0
SEV DES	11922.4	LOWER MO	11598.0	KANE SPR	10512.5	VIRGIN R	11474.0	COYOTE	11571.5	CEDAR CITY	11104.6	LUND DIST	11954.8
LOWER MO	11387.7	KANE SPR	11383.8	HARLIN	10344.1	MEADOW V	11030.8	GARDEN	11479.4	PINE	10909.9	MUDDY R	11303.1
LAKE	10845.9	PENOYER	11484.9			JAMES	10904.7	PENOYER	10538.2	JAMES	10898.9	CEDAR CITY	11116.6
KANE SPR	10572.8	PAROWAN	10901.3			BLACK MTNS	10602.5	SEV DES	10359.3	DEEP CRK	10892.7	COYOTE	11057.4
		CAVE	10419.3			PINE	10176.0			GARDEN	10874.9	WHITE	10578.6
		LUND DIST	10181.9										

Table 12. Ranking of OB alternatives by mean, effect index E, and standard deviation about mean E for 74 hydrologic subunits.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING
1	2	Coyote Delta	6,104	5,861	681	1
2	6	Milford Coyote	6,684	6,662	774	2
3	0	Coyote Milford	6,730	6,636	771	3
4	5	Milford Ely	6,907	7,754	901	6
5	1	Coyote Beryl	6,930	7,242	842	5
6	4	Beryl Coyote	6,957	7,207	838	4
7	3	Beryl Ely	7,179	7,635	887	7

3953

Table 13. Subjective ranking of OB siting alternatives with respect to several resources. Predicted impact increases with rank.

RESOURCE	SUBJECTIVE RANK						
	1	2	3	4	5	6	7
74 Hydrologic Subunits	2	6	0	4	1	5	3
35 Recreation Areas	2	0	6	1	4	5	3
55 Wilderness Areas	2	6	5	0	3	4	1
79 Significant Natural Areas	2	6	0	1	4	5	3
Pronghorn Habitat	2	1	0	4	6	3	5
Bighorn Habitat	5	3	6	2	0	4	1
Utah Prairie Dog	2	1	0	4	3	6	5
Sage Grouse Habitat	2	1	0	4	6	3	5
Desert Tortoise Habitat	5	3	6	2	0	4	1

3863

Table 14. Alternatives in order and their subjective rankings with respect to several resources. Predicted impact increases with rank.

RESOURCE	ALTERNATIVE						
	0	1	2	3	4	5	6
74 Hydrologic Subunits	3	5	1	7	4	6	2
35 Recreation Areas	2	4	1	7	5	6	3
55 Wilderness Areas	4	7	1	5	6	4	1
79 Significant Natural Areas	3	4	1	7	5	6	2
Pronghorn Habitat	3	2	1	6	4	7	5
Bighorn Habitat	5	7	4	2	6	1	3
Utah Prairie Dog	3	2	1	5	4	7	6
Sage Grouse Habitat	3	2	1	6	4	7	5
Desert Tortoise Habitat	5	7	4	2	6	1	3
Mean Rank for All Resources	3.4	4.4	1.7	5.2	4.9	5.0	3.3

4040

This analysis considers only indirect potential impact of OB sites on resources--and only the operational stage. Short term impacts are not evaluated. Nor are already existing impacts considered, but only those impacts which would be added to the region as a result of the base construction and occupation. This may not be reasonable in the case of Clark County where the additional impact of 20,000 people may be negligible for many resources. In this case, the analysis may overemphasize the impact of an OB site in or near an already populous region.

The split basing alternative (Alternative 8) was not analyzed because in an ordinal ranking system, Alternative 8 would be the easy winner since only one base would be located in the region rather than two bases.

Finally, air distance may not be the best choice of measurement. The model is being refined to replace air distances with an estimate of travel time. This will have several advantages including ability to map the impact surfaces. Further, this will not predict a high level of impact in inaccessible areas simply because they happen to be close to the OB site. On the same line, higher impact levels may occur at more accessible locations and lesser impacts at more distant locations. While refinements to the model are in progress, the relative impact assessment shown here is not expected to change significantly. In particular, when used in conjunction with other issues, refinements in the evaluation of indirect effects indices is not expected to produce significant changes in a selection among alternative sites.

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APPENDIX I

DATA USED FOR VALIDATION OF EFFECTS INDEX MODEL

USE OF FISHING STREAMS IN NEVADA

ID	STREAM	APPEAL	HOME CNTY	HOME POP	DIST	ANGLERS	ANGLRDAY	EFFINDX
1012	BAKER CK	2.0	CLARK	376800.0	210.0	207.0	1170.0	4185.9
1012	BAKER CK	3.0	LANDER	3400.0	182.0	10.0	14.0	757.0
1012	BAKER CK	3.0	LYON	11100.0	268.0	22.0	87.0	427.3
1012	BAKER CK	3.0	WHITE PINE	9300.0	37.6	97.0	498.0	8722.4
1013	BAKER CK, SF	3.0	CLARK	376800.0	210.0	110.0	186.0	50994.3
1018	BASTIAN CK	1.0	WHITE PINE	9300.0	18.4	37.0	32.0	8099.7
1025	BERRY CK, LWR	2.0	CLARK	376800.0	234.0	45.0	110.0	1411.1
1025	BERRY CK, LWR	2.0	WASHOE	163200.0	276.0	3.0	45.0	68.7
1025	BERRY CK, LWR	2.0	WHITE PINE	9300.0	21.6	118.0	227.0	8867.6
1026	BERRY CK, NF	1.0	WHITE PINE	9300.0	14.4	20.0	120.0	8545.3
1033	BIRD	2.0	MINERAL	5500.0	228.0	5.0	6.0	27.3
1033	BIRD	2.0	WHITE PINE	9300.0	11.2	88.0	397.0	9181.7
1084	CAVE CK	2.0	CLARK	376800.0	218.0	65.0	275.0	2951.5
1084	CAVE CK	2.0	LINCOLN	3300.0	100.0	4.0	60.0	1189.5
1084	CAVE CK	2.0	WHITE PINE	9300.0	13.6	97.0	112.0	9126.1
1074	CLEVE CK	2.0	CHURCHILL	12400.0	228.0	55.0	68.0	61.6
1074	CLEVE CK	4.0	CLARK	376800.0	224.0	276.0	660.0	104764.5
1074	CLEVE CK	2.0	ELKO	15000.0	130.0	10.0	1.0	2674.0
1074	CLEVE CK	2.0	LINCOLN	3300.0	102.0	17.0	119.0	1141.4
1074	CLEVE CK	2.0	WASHOE	163200.0	284.0	22.0	4.0	43.5
1074	CLEVE CK	1.0	WHITE PINE	9300.0	16.0	8.0	49.0	8377.3
1112	CURRANT CK	2.0	CLARK	376800.0	192.0	58.0	110.0	8759.0
1112	CURRANT CK	2.0	NYE	6500.0	72.0	24.0	155.0	3829.8
1112	CURRANT CK	2.0	WHITE PINE	9300.0	40.0	33.0	14.0	7899.1
1133	DUCK CK	2.0	CLARK	376800.0	226.0	3.0	192.0	2054.2
1133	DUCK CK	2.0	NYE	6500.0	120.0	59.0	17.0	1495.4
1133	DUCK CK	2.0	WASHOE	163200.0	278.0	30.0	85.0	61.4
1133	DUCK CK	2.0	WHITE PINE	9300.0	18.4	96.0	582.0	8984.2
1136	EAST CK	1.0	WHITE PINE	9300.0	20.8	78.0	6.0	7794.6
1187	HUNTINGTON CK	2.0	CLARK	376800.0	272.0	3.0	55.0	198.4
1187	HUNTINGTON CK	1.0	ELKO	15000.0	58.0	10.0	12.0	3800.0
1190	ILLIPAH CK	1.0	ELKO	15000.0	106.0	1.0	1.0	152.9
1190	ILLIPAH CK	2.0	EUREKA	800.0	34.0	39.0	1.0	711.0
1190	ILLIPAH CK	2.0	ORMSBY, CARSN C	29500.0	240.0	4.0	39.0	82.6
1190	ILLIPAH CK	2.0	WASHOE	163200.0	242.0	24.0	52.0	414.4
1190	ILLIPAH CK	2.0	WHITE PINE	9300.0	28.0	86.0	137.0	8585.0
1215	KALAMAZOO CK	3.0	CLARK	376800.0	246.0	106.0	460.0	24221.1
1215	KALAMAZOO CK	1.0	LINCOLN	3300.0	128.0	6.0	21.0	4.1
1215	KALAMAZOO CK	1.0	NYE	6500.0	138.0	8.0	3.0	2.7
1215	KALAMAZOO CK	3.0	WHITE PINE	9300.0	27.2	142.0	659.0	8993.1
1226	LEHMAN CK	3.0	CLARK	376800.0	220.0	351.0	887.0	41959.4
1226	LEHMAN CK	3.0	LINCOLN	3300.0	86.0	48.0	13.0	2359.6
1226	LEHMAN CK	3.0	WASHOE	163200.0	310.0	67.0	270.0	2089.0
1226	LEHMAN CK	3.0	WHITE PINE	9300.0	41.6	121.0	1796.0	8598.0
1250	MCCOY CK	1.0	WHITE PINE	9300.0	20.8	19.0	22.0	7794.6
1290	PIERMONT CK	1.0	WHITE PINE	9300.0	21.6	15.0	30.0	7687.4
1359	SILVER CK	1.0	CLARK	376800.0	222.0	57.0	115.0	0.0
1359	SILVER CK	3.0	MINERAL	5500.0	248.0	7.0	4.0	338.1
1359	SILVER CK	3.0	WHITE PINE	9300.0	36.8	135.0	1493.0	8746.0
1372	SNAKE CK	4.0	CLARK	376800.0	212.0	655.0	1935.0	119723.4
1372	SNAKE CK	3.0	ESMERALDA	700.0	180.0	10.0	12.0	161.0
1372	SNAKE CK	3.0	LINCOLN	3300.0	80.0	35.0	156.0	2468.7
1372	SNAKE CK	3.0	WHITE PINE	9300.0	42.4	84.0	1556.0	8571.8
1393	STEPTOE CK	2.0	CLARK	376800.0	218.0	10.0	55.0	2951.5
1393	STEPTOE CK	2.0	LINCOLN	3300.0	100.0	3.0	50.0	1189.5
1393	STEPTOE CK	2.0	NYE	6500.0	112.0	16.0	17.0	1807.2
1393	STEPTOE CK	3.0	WHITE PINE	9300.0	8.8	189.0	765.0	9267.4
1397	STRAWBERRY CK	1.0	WHITE PINE	9300.0	36.8	82.0	80.0	5350.9
1406	TAFT CK	2.0	CLARK	376800.0	232.0	8.0	110.0	1551.9
1406	TAFT CK	2.0	WHITE PINE	9300.0	20.8	19.0	16.0	8898.4
1424	TIMBER CK	2.0	CLARK	376800.0	236.0	3.0	55.0	1282.0
1424	TIMBER CK	3.0	WHITE PINE	9300.0	16.8	150.0	699.0	9181.7
1457	WHITE RIVER	3.0	CLARK	376800.0	200.0	113.0	495.0	61415.1
1457	WHITE RIVER	2.0	ELKO	15000.0	136.0	3.0	3.0	2272.1
1457	WHITE RIVER	2.0	LINCOLN	3300.0	98.0	3.0	6.0	1238.5
1457	WHITE RIVER	2.0	NYE	6500.0	78.0	4.0	3.0	3493.8
1457	WHITE RIVER	2.0	WASHOE	163200.0	250.0	5.0	4.0	277.3
1457	WHITE RIVER	3.0	WHITE PINE	9300.0	32.8	148.0	331.0	8857.1
1475	WILLOW CK	1.0	WHITE PINE	9300.0	14.4	63.0	40.0	8545.3

USE OF LAKES IN NEVADA

ID	STREAM	APPEAL	HOME CNTY	HOME POP	DIST	ANGLERS	ANGLRDAY	EFFINDX
3002	ADAMS-MCGILL	3.0	CLARK	376800.0	160.0	888.0	3269.0	118003.8
3002	ADAMS-MCGILL	3.0	EUREKA	800.0	94.0	26.0	16.0	535.9
3002	ADAMS-MCGILL	3.0	LINCOLN	3300.0	58.0	110.0	367.0	2833.1
3002	ADAMS-MCGILL	1.0	MINERAL	5500.0	196.0	14.0	85.0	0.0
3002	ADAMS-MCGILL	2.0	NYE	6500.0	70.0	97.0	369.0	3942.4
3002	ADAMS-MCGILL	1.0	PERSHING	3000.0	296.0	4.0	22.0	0.0
3002	ADAMS-MCGILL	1.0	WASHOE	163200.0	270.0	6.0	4.0	0.0
3002	ADAMS-MCGILL	4.0	WHITE PINE	9300.0	63.2	653.0	5211.0	8399.1
3009	BAKER LK	1.0	WHITE PINE	9300.0	37.6	33.0	43.0	5222.5
3041	CAVE LK	1.0	CHURCHILL	12400.0	224.0	7.0	8.0	0.0
3041	CAVE LK	4.0	CLARK	376800.0	220.0	1778.0	3944.0	109620.1
3041	CAVE LK	1.0	ELKO	15000.0	130.0	4.0	33.0	15.1
3041	CAVE LK	2.0	EUREKA	800.0	72.0	14.0	16.0	471.4
3041	CAVE LK	2.0	LINCOLN	3300.0	102.0	88.0	187.0	1141.4
3041	CAVE LK	3.0	MINERAL	5500.0	220.0	42.0	100.0	612.5
3041	CAVE LK	1.0	NYE	6500.0	116.0	31.0	48.0	26.8
3041	CAVE LK	3.0	ORMSBY, CARSN C	29500.0	278.0	66.0	263.0	886.4
3041	CAVE LK	1.0	PERSHING	3000.0	218.0	4.0	55.0	0.0
3041	CAVE LK	1.0	STOREY	1200.0	266.0	11.0	4.0	0.0
3041	CAVE LK	2.0	WASHOE	163200.0	280.0	183.0	507.0	54.7
3041	CAVE LK	5.0	WHITE PINE	9300.0	11.2	1360.0	8118.0	9281.0
3051	COMINS LK	1.0	CHURCHILL	12400.0	220.0	11.0	8.0	0.0
3051	COMINS LK	2.0	CLARK	376800.0	216.0	976.0	2018.0	3224.9
3051	COMINS LK	3.0	DOUGLAS	14300.0	274.0	33.0	190.0	474.9
3051	COMINS LK	1.0	ELKO	15000.0	128.0	17.0	47.0	18.7
3051	COMINS LK	1.0	ESMERALDA	700.0	160.0	8.0	11.0	0.0
3051	COMINS LK	1.0	EUREKA	800.0	68.0	27.0	24.0	121.2
3051	COMINS LK	1.0	HUMBOLDT	7600.0	196.0	10.0	69.0	0.0
3051	COMINS LK	1.0	LINCOLN	3300.0	100.0	20.0	149.0	55.7
3051	COMINS LK	3.0	MINERAL	5500.0	214.0	66.0	178.0	689.2
3051	COMINS LK	1.0	NYE	6500.0	110.0	23.0	26.0	46.6
3051	COMINS LK	4.0	ORMSBY, CARSN C	29500.0	272.0	162.0	277.0	4468.5
3051	COMINS LK	1.0	WASHOE	163200.0	274.0	6.0	90.0	0.0
3051	COMINS LK	4.0	WHITE PINE	9300.0	7.2	743.0	4993.0	9287.7
3116	HAYMEADOW RS	3.0	CLARK	376800.0	156.0	359.0	14020.0	124965.9
3116	HAYMEADOW RS	1.0	ESMERALDA	700.0	120.0	4.0	16.0	2.0
3116	HAYMEADOW RS	1.0	LANDER	3400.0	182.0	10.0	12.0	0.0
3116	HAYMEADOW RS	1.0	LINCOLN	3300.0	58.0	38.0	165.0	836.0
3116	HAYMEADOW RS	2.0	WHITE PINE	9300.0	66.4	264.0	1544.0	5930.6
3130	ILLIPAH RES	1.0	CLARK	376800.0	228.0	114.0	477.0	0.0
3130	ILLIPAH RES	3.0	EUREKA	800.0	34.0	40.0	112.0	759.1
3130	ILLIPAH RES	2.0	LINCOLN	3300.0	122.0	48.0	26.0	722.6
3130	ILLIPAH RES	1.0	WASHOE	163200.0	242.0	51.0	180.0	0.0
3130	ILLIPAH RES	4.0	WHITE PINE	9300.0	27.2	733.0	2574.0	9126.1
3025	RUBY MARSH	3.0	CHURCHILL	12400.0	190.0	118.0	230.0	2412.1
3025	RUBY MARSH	4.0	CLARK	376800.0	292.0	610.0	1481.0	42803.2
3025	RUBY MARSH	4.0	DOUGLAS	14300.0	254.0	214.0	429.0	2757.8
3025	RUBY MARSH	5.0	ELKO	15000.0	46.0	1883.0	13607.0	14490.6
3025	RUBY MARSH	3.0	ESMERALDA	700.0	188.0	12.0	136.0	140.9
3025	RUBY MARSH	3.0	EUREKA	800.0	62.0	84.0	408.0	672.0
3025	RUBY MARSH	3.0	HUMBOLDT	7600.0	126.0	146.0	513.0	3699.3
3025	RUBY MARSH	3.0	LANDER	3400.0	88.0	196.0	746.0	2393.1
3025	RUBY MARSH	3.0	LINCOLN	3300.0	188.0	75.0	192.0	664.3
3025	RUBY MARSH	1.0	LYON	11100.0	202.0	3.0	290.0	0.0
3025	RUBY MARSH	1.0	MINERAL	5500.0	212.0	30.0	70.0	0.0
3025	RUBY MARSH	3.0	NYE	6500.0	154.0	127.0	369.0	2217.2
3025	RUBY MARSH	4.0	ORMSBY, CARSN C	29500.0	242.0	374.0	984.0	6622.1
3025	RUBY MARSH	1.0	PERSHING	3000.0	164.0	15.0	132.0	0.1
3025	RUBY MARSH	5.0	WASHOE	163200.0	244.0	1559.0	6574.0	61741.7
3025	RUBY MARSH	4.0	WHITE PINE	9300.0	84.0	745.0	7218.0	7768.0

APPENDIX II

PROGRAM LISTING AND OUTPUT OF ANALYSES OF POTENTIAL IMPACT OF OB SITES ON EIGHT RESOURCES

```
PASCAL COMPILER - E T H  ZURICH / UNIVERSITY OF MINNESOTA                                  PASCAL 6000 V3.0.0   80/11/07  12:12:45
*** HDR SYSTEMS ***                                                                        NOS 1.4              (79/11/13)  PAGE 1

000004     1 PROGRAM BASEFF( INPUT/, OUTPUT, OBPOP, OBDIST, TAPE1, TAPE2, TAPE3);
000074     2 (* PROGRAM TO COMPUTE INDEX OF EFFECT ON ANY LOCATION WITHIN GREAT *)
000074     3 (* BASIN FROM O.B  SITES BY ALTERNATIVE                              *)
000074     4 (*          INPUT DATA FILES.                                        *)
000074     5 (*              OBPOP  CONTAINS OPERATING BASE NAMES AND TOTAL       *)
000074     6 (*                     POPULATION  (A7, F8.0, 2X, A7, F8.0 )         *)
000074     7 (*                     FOR EACH BASE AND ALTERNATIVE                 *)
000074     8 (*              OBDIST  CONTAINS LOCATION AND DISTANCES FROM EACH    *)
000074     9 (*                     O  B                                          *)
000074    10
000074    11 (*$I'FREAD'/'PSRCLIB' INCLUDE FORMATTED READ ROUTINES                *)

------ BEGIN INCLUDED TEXT

000074    11 (* --- FREAD - FORMATTED READ PROCEDURES. --- *)
000074    11 (*$X4 PASS 4 PARAMETERS IN X-REGISTERS  *)
000074    11 PROCEDURE FREADCHAR( VAR F : TEXT; VAR RESULT : CHAR ), EXTERN;
000004    11 PROCEDURE FREADINTEGER( VAR F : TEXT; VAR RESULT : INTEGER;
000004    11                         WIDTH : INTEGER ), EXTERN;
000005    11 PROCEDURE FREADREAL( VAR F : TEXT; VAR RESULT : REAL;
000004    11                      WIDTH, FRACWIDTH : INTEGER ); EXTERN;
000006    11 PROCEDURE FSKIP( VAR F : TEXT; WIDTH : INTEGER ); EXTERN;
000004    11 (*$X= RESUME OLD X-OPTION  *)

------ END INCLUDED TEXT

000004    12
000004    13 CONST SIGMA = 35; SIGEFFECT = 10000;
000074    14
000074    15 TYPE BASE = (BERYL, MILFORD, DELTA, ELY, COYOTE);
000074    16      METRIC = (INCH, MILE);
000074    17      NAME = PACKED ARRAY[1..7] OF CHAR;
000074    18      STRING = PACKED ARRAY[1..40] OF CHAR;
000074    19      VECTOR = ARRAY[1..100] OF REAL;
000074    20
000074    21 VAR ALTERN: ARRAY[0..6,0..1] OF BASE;
000112    22    POP: ARRAY[0..6,0..1] OF REAL;
000130    23    MEASURE: METRIC;
000131    24    LOCATION: ARRAY[1..100,1..2] OF ALFA;
000441    25    DISTANCE: ARRAY[1..100,0..9] OF REAL;
002411    26    I, J, K, ALT, INDEXA, INDEXB, PAGE, PAGES, MAX, TITLELEN, LINECNT, LINEMILES: INTEGER;
002425    27    BUG: BOOLEAN;
002426    28    YUP: CHAR;
002427    29    BASEA, BASEB: BASE;
002431    30    OBPOP, OBDIST, TAPE1, TAPE2, TAPE3: TEXT;
002645    31    ALTBASE: ARRAY[0..6,0..1] OF NAME;
002663    32    EFFINDX: ARRAY[1..9] OF REAL;
002674    33    DIST: ARRAY[1..3,0..1] OF REAL;
002702    34    APPEAL: ARRAY[1..100] OF REAL;
003046    35     TITLE: STRING;
003052    36     AVEFFECT: ARRAY[1..100,0..6] OF REAL;
004346    37
004346    38 VALUE ALTERN = ((COYOTE,MILFORD),(COYOTE,BERYL),(COYOTE,DELTA),
004346    39                 (BERYL,ELY),(BERYL,COYOTE),(MILFORD,ELY),
004346    40                  (MILFORD,COYOTE));
004346    41
004346    42 PROCEDURE SORT(VAR V: DYNAMIC VECTOR, N: INTEGER), EXTERN;
000010    43
000010    44 PROCEDURE LINE( VAR F: TEXT, X: INTEGER );
000004    45 VAR I: INTEGER;
```

```
000005    46 BEGIN
000005    47   FOR I  = 1 TO X DO WRITE(F, '-'),
000022    48    WRITELN(F)
000024    49 END (* LINE *),
000033    50
000033    51 FUNCTION NORM( X, SIGMA  REAL )  REAL,
000005    52 CONST MU = 0,
000005    53 VAR A  REAL,
000006    54 BEGIN (* NORM *)
000006    55    A  = SQR( (X - MU)/SIGMA),
000011    56    NORM  = EXP( - 0 5 * A )
000014    57  END (* NORM *),
000027    58
000027    59  PROCEDURE TAB(VAR F  TEXT, X  INTEGER),
000004    60  VAR I  INTEGER,
000005    61  BEGIN
000005    62    FOR I  = 1 TO X DO WRITE(F, ' ')
000016    63  END (* TAB *),
000030    64
000030    65 PROCEDURE TAPE1HEAD(VAR F: TEXT), (* PRINT HEADER ON TAPE1 *)
000003    66 VAR I, TABOVER  INTEGER,
000005    67 BEGIN
000005    68   TABOVER  = (89 - TITLELEN) DIV 2,
000010    69   TAB(F,TABOVER), WRITELN(F, 'EFFECT INDEX OF BASING ALTERNATIVES ON ',
000017    70                              TITLE:TITLELEN ),
000027    71   LINE(F,130) (* PUT A LINE OF --- ACROSS PAGE *)
000032    72   TAB(F,55), WRITELN(F, 'ALTERNATIVE NO ', ALT 4), (* FIRST LINE OF HEADER *)
000051    73   TAB(F,46), WRITELN(F, 'BASE A  ', ALTBASE[ALT,0], '  LONG TERM POP. ',
000076    74                        POP[ALT,0] 8 0),  (* SECOND LINE OF HEADER *)
000110    75   TAB(F,46), WRITELN(F, 'BASE B  ', ALTBASE[ALT,1], '  LONG TERM POP. ',
000135    76                        POP[ALT,1] 8 0),  (* THIRD LINE OF HEADER *)
000147    77   WRITELN(F) (* SKIP A LINE *),
000152    78   LINE( F, 130),
000155    79   TAB(F,6), WRITE(F, 'LOCATION'), TAB(F,9), WRITE(F, 'MILES TO A'),
000176    80   TAB(F,7), WRITE(F, 'EFFECT INDEX OF BASE A'), TAB(F,5),
000211    81   WRITE(F, 'MILES TO B'), TAB(F,6), WRITE(F, 'EFFECT INDEX OF BASE B'),
000227    82   TAB(F,7), WRITELN(F, 'COMBINED EFFECTS'),
000242    83   WRITE(F, 'NO  APPL  NAME       '),
000250    84   FOR I  = 1 TO 2 DO BEGIN
000253    85     TAB(F,3), WRITE(F, 'N     F     AVE'),
000264    86     TAB(F,7), WRITE(F, 'MAX'), TAB(F,5), WRITE(F, 'MIN'),
000305    87     TAB(F,5), WRITE(F, 'AVE')
000316    88   END (* FOR I *),
000323    89   TAB(F,5), WRITE(F, 'MAX'), TAB(F,5), WRITE(F, 'MIN'), TAB(F,5),
000345    90   WRITELN(F, 'AVE')  (* LAST LINE *),
000355    91   LINE(F, 132),
000360    92   LINECNT  = 10, PAGES  = 1,
000363    93 END (* TAPE1HEAD *),
000425    94
000425    95 PROCEDURE TAPE1BODY( VAR F  TEXT, X  INTEGER ), (* PRINT DATA IN TAPE 1 *)
000004    96 VAR I, J  INTEGER,
000006    97 BEGIN
000006    98    WRITE(F,LOCATION[X,1] 5), WRITE(F,APPEAL[X] 3 1), TAB(F,2),
000027    99    WRITE(F, LOCATION[X,2]),
000040   100    FOR I  = 0 TO 1 DO BEGIN
000043   101       FOR J  = 1 TO 3 DO WRITE(F, DIST[J,I] 6 0), WRITE(F, ' '),
000071   102       FOR J  = 1 TO 3 DO WRITE(F, EFFINDX[J+(I*3)] 3 1),
000106   103    END (* FOR I *),
000116   104    FOR I  = 7 TO 9 DO WRITE(F, EFFINDX[I] 6 1),
000134   105    WRITELN(F),
```

```
000137   106     LINECNT := LINECNT + 1;
000141   107     IF LINECNT = 62 THEN BEGIN
000143   108       FOR I := 1 TO 4 DO WRITELN(F);
000155   109       LINECNT := 0; PAGES := PAGES + 1;
000160   110   END (* IF *);
000160   111 END (* TAPE1BODY *);
000170   112
000170   113 PROCEDURE TAPE2HD( VAR F: TEXT );
000003   114 VAR I, TABOVER: INTEGER;
000005   115 BEGIN
000005   116   TABOVER := (43 - TITLELEN) DIV 2;
000010   117   TAB(F,TABOVER);WRITELN(F,'COMBINED AVERAGE EFFECT INDEXES OF BASING',
000017   118                                 ' ALTERNATIVES ON ',TITLE:TITLELEN );
000034   119   LINE(F,100);
000037   120   TAB(F,6); WRITE(F,'LOCATION'); TAB(F,36); WRITELN(F,'AVERAGE EFFECT INDEX BY ALTERNATIVE');
000062   121   WRITE(F,'NO          NAME'); TAB(F,10); WRITE(F,'APPEAL
000100   122   FOR I := 0 TO 6 DO BEGIN
000104   123      TAB(F,5); WRITE(F,I:1);
000114   124        IF I < 6 THEN TAB(F,4) ELSE WRITELN(F);
000125   125   END (* FOR I *);
000132   126   LINE(F,100);
000134   127   LINECNT := 5
000134   128 END (* TAPE2HD *);
000163   129
000163   130 PROCEDURE TAPE3HD( VAR F: TEXT );
000003   131 VAR I, TABOVER: INTEGER;
000005   132 BEGIN
000005   133   TABOVER := ( 69 - TITLELEN ) DIV 2;
000010   134   TAB(F,TABOVER); WRITELN( F, TITLE:TITLELEN,' RANKED IN ORDER OF MEAN EFFECT',
000024   135                                 ' INDEX GREATER THAN', SIGEFFECT:5 );
000040   136   LINE(F,132);
000043   137   FOR I := 0 TO 6 DO BEGIN (* FIRST LINE *)
000047   138      TAB(F,7); WRITE(F,'ALT',I:2);
000064   139      IF I < 6 THEN TAB(F,7)
000070   140   END (* FOR I *);
000076   141   WRITELN(F);
000101   142   FOR I := 0 TO 6 DO BEGIN
000105   143            WRITE(F,'RESOURCE    INDEX');
000113   144            IF I < 6 THEN TAB(F,3);
000120   145         END (* FOR I *);
000125   146   WRITELN(F);
000130   147   LINE(F,132);
000133   148   LINECNT := 5
000133   149 END (* TAPE3HD *);
000154   150
000154   151 PROCEDURE SORTNPRINT( VAR F: TEXT );
000003   152 VAR I, J, K, L, BIGGEST: INTEGER;
000010   153     V, XX: VECTOR;
000320   154     YY: ARRAY[1..100] OF ALFA;
000464   155     KMAX: ARRAY[0..6] OF INTEGER;
000473   156     MATCH: BOOLEAN;
000474   157     SORTEDX: ARRAY[1..100,0..6] OF REAL;
001770   158     SORTEDY: ARRAY[1..100,0..6] OF ALFA;
003264   159 BEGIN
003264   160     BIGGEST := 0
000006   161     FOR I := 0 TO 6 DO BEGIN
000011   162         K := 0;
000013   163         FOR J := 1 TO MAX DO BEGIN
000017   164            IF AVEFFECT[J,I] >= SIGEFFECT THEN BEGIN (* SORT ONLY SIGNIFICANT IMPACTS *)
000030   165               K := K + 1;
```

```
000032  166                V[K] := AVEFFECT[J,I],
000042  167                XX[K] := V[K] (* KEEP TRACK OF THE ORIGINAL ORDER *),
000047  168                YY[K] := LOCATION[J,2] (* KEEP TRACK OF NAME TOO *),
000054  169             END (* IF *),
000054  170          END (* FOR J *),
000061  171          SORT( V, K ),
000064  172          KMAX[I] := K,
000070  173          IF K > BIGGEST THEN BIGGEST := K,
000073  174
000073  175          (* NOW THAT V HAS BEEN SORTED, FIND THE ASSOCIATED NAMES *)
000073  176
000073  177          FOR J := 1 TO K DO BEGIN
000100  178             L := 0, MATCH := FALSE,
000103  179             REPEAT
000103  180                L := L + 1,
000105  181                IF XX[L] = V[K-J+1] THEN BEGIN
000114  182                   SORTEDX[J,I] := V[K-J+1], (* TO INSERT THE ORDER OF V *)
000126  183                   SORTEDY[J,I] := YY[L],
000137  184                   MATCH := TRUE,
000140  185                END (* IF *),
000140  186             UNTIL MATCH = TRUE,
000142  187          END (* FOR J *),
000147  188       END (* FOR I *),
000153  189
000153  190       (* NOW OUTPUT THE SORTED MATRIX *)
000153  191
000153  192    TAPE3HD(F),
000155  193    FOR I := 1 TO BIGGEST DO BEGIN (* OUTPUT THE MATRIX *)
000162  194          FOR J := 0 TO 6 DO BEGIN
000166  195             IF I <= KMAX[J] THEN
000172  196                WRITE(F, SORTEDY[I,J], SORTEDX[I,J] 8 1)
000220  197             ELSE
000221  198                TAB(F,18),
000224  199             IF J < 6 THEN WRITE(F,' '),
000234  200          END (* FOR J *),
000241  201       WRITELN(F),
000244  202       LINECNT := LINECNT + 1,
000246  203       IF LINECNT = 62 THEN BEGIN
000250  204          FOR J := 1 TO 4 DO WRITELN(F),
000263  205          LINECNT := 0
000263  206       END (* IF *),
000264  207    END (* FOR I -- OUTPUT THE MATRIX *),
000271  208    LINE(F,126)
000273  209 END (* SORTNPRINT *),
000314  210
000314  211 BEGIN (* MAIN *)
000314  212    RESET(OBPOP), RESET(OBDIST), REWRITE(TAPE1), REWRITE(TAPE1),
000362  213    BUG := FALSE,
000364  214    WRITELN('HOW MANY LINES OF MILES'), READLN, READ(LINEMILES),
000075  215    WRITELN('ENTER TITLE -- 1 TO 40 CHARS'),
000103  216    TITLELEN := 0, READLN,
000106  217    WHILE NOT EOLN(INPUT) DO BEGIN
000110  218       TITLELEN := TITLELEN + 1
000112  219       READ( TITLE[ TITLELEN ] ),
000130  220    END (* WHILE *),
000131  221
000131  222    (* NOW READ IN POPULATION LEVELS FOR EACH ALTERNATIVE *)
000131  223
000131  224    FOR I := 0 TO 6 DO BEGIN
000135  225       FSKIP( OBPOP, 9 ),
```

```
000137   226        FOR J  = 0 TO 1 DO BEGIN
000142   227           FOR K  = 1 TO 7 DO READ( OBPOP, ALTBASE[I,J,K]),
000171   228           FREADREAL( OBPOP, POP[I,J], 8, 0),
000200   229           IF J = 0 THEN FSKIP( OBPOP, 5 )
000203   230        END (* FOR J *),
000210   231        READLN( OBPOP ) (* READY TO READ NEXT LINE *),
000211   232     END (* FOR I -- READIN POP AND BASE NAMES *),
000216   233
000216   234     (* NOW READ IN LOCATION NUMBERS AND NAMES *)
000216   235     (* AND THEIR DISTANCES FROM OB SITES      *)
000216   236
000216   237     WHILE NOT EOF(OBDIST) DO BEGIN
000220   238        I  = I + 1,
000222   239        FOR J  = 1 TO 2 DO
000223   240           FOR K  = 1 TO 10 DO READ( OBDIST, LOCATION[I,J,K] ),
000261   241        READ( OBDIST, APPEAL[I] ),
000266   242        FOR J  = 0 TO 9 DO READ( OBDIST, DISTANCE[I,J] ),
000306   243        READLN( OBDIST )  (* READY TO READ NEXT LINE *),
000307   244     END (* OBDIST READIN *),
000310   245     MAX  = I,
000312   246     FOR I  = LINEMILES+1 TO MAX DO
000315   247        FOR J  = 0 TO 9 DO DISTANCE[I,J]  = DISTANCE[I,J] * 8 (* 8 MI/IN *),
000347   248
000347   249     IF BUG = TRUE THEN BEGIN
000351   250        FOR I  = 0 TO 6 DO BEGIN
000354   251           FOR J  = 0 TO 1 DO BEGIN
000357   252              WRITE( ALTBASE[I,J] ),
000370   253              WRITE( POP[I,J]:10 0, ' '
000406   254           END (* FOR J *),
000412   255           WRITELN
000412   256        END (* FOR I *),
000420   257     END (* BUG IF *),
000420   258
000420   259     (* NOW OUTPUT THE DATA FILE FOR A CHECK ON THE READIN *)
000420   260
000420   261     FOR I  = 1 TO MAX DO BEGIN
000425   262        FOR J  = 1 TO 2 DO WRITE( LOCATION[I,J] ),
000446   263        WRITE( APPEAL[I],4 1 ),
000455   264        FOR J  = 0 TO 9 DO WRITE( DISTANCE[I,J] 6 0 ), WRITELN,
000500   265     END (* FOR I *),
000505   266
000505   267  (* NOW LOOP THROUGH ALTERNATIVES AND COMPUTE EFFECT INDEX FOR ALL SITES *)
000505   268
000505   269     ALT  = 0
000506   270     WHILE ALT  < 7 DO BEGIN
000511   271        BASEA  = ALTERN[ALT,0],
000516   272        BASEB  = ALTERN[ALT,1],
000522   273        INDEXA  = 2 * ORD(BASEA),
000523   274        INDEXB  = 2 * ORD(BASEB),
000524   275
000524   276        IF BUG = TRUE THEN WRITELN('ALT',ALT 2 ,'  INDEXES ', INDEXA 4, INDEXB 4 ),
000554   277
000554   278        TAPEHEAD( TAPE1 ),
000556   279        FOR I  = 1 TO MAX DO BEGIN (* EFFECT COMPUTATION LOOP *)
000563   280           DIST[1,0]  = DISTANCE[I,INDEXA],
000573   281           DIST[2,0]  = DISTANCE[I,INDEXA+1],
000602   282           DIST[3,0]  = ( DIST[1,0] + DIST[2,0] ) / 2,
000607   283           FOR J  = 1 TO 3 DO
000611   284              EFFINDX[J]  = NORM( DIST[J,0], SIGMA * APPEAL[I] ) * POP[ALT,0],
000642   285           DIST[1,1]  = DISTANCE[I,INDEXB],
```

```
000652   286          DIST[2,1] := DISTANCE[I,INDEXB+1],
000660   287          DIST[3,1] := ( DIST[1,1] + DIST[2,1] ) / 2,
000665   288          FOR J := 1 TO 3 DO
000667   289             EFFINDX[J+3] := NORM( DIST[J,1], SIGMA * APPEAL[I] ) * POP[ALT,1],
000721   290
000721   291          (* NOW COMBINE THE EFFECT INDEXES *)
000721   292
000721   293          FOR J := 1 TO 3 DO
000722   294             EFFINDX[J+6] := EFFINDX[J] + EFFINDX[J+3],
000741   295
000741   296          IF BUG = TRUE THEN BEGIN
000743   297             FOR J := 1 TO 3 DO BEGIN
000746   298                FOR K := 0 TO 1 DO WRITE('DIST ARRAY[',J:1,',',K:1,'] = ', DIST[J,K]:6:1,'  '),
001016   299                WRITELN
001016   300             END (* FOR J *),
001024   301             FOR J := 1 TO 9 DO WRITELN('EFFINDX[',J:1,'] = ', EFFINDX[J]:10:1),
001060   302          END (* IF BUG *),
001060   303
001060   304          TAPE1BODY( TAPE1, I ),
001062   305          AVEFFECT[I,ALT] := EFFINDX[9]
001071   306       END (* FOR I *),
001076   307       LINE( TAPE1, 132 ),
001100   308       ALT := ALT + 1,
001102   309       I := (MAX DIV 66) + 1,
001111   310       PAGE := (66 * I) - MAX - 11,
001115   311       IF PAGES > 1 THEN PAGE := 66 - LINECNT - 1,
001120   312       FOR I := 1 TO PAGE DO WRITELN( TAPE1 ) (* ADVANCE TO TOP OF FORM *),
001133   313    END (* WHILE *),
001134   314
001134   315   (* WRITE TAPE2 *)
001134   316
001134   317   TAPE2HD( TAPE2 ),
001136   318   FOR I := 1 TO MAX DO BEGIN
001143   319      FOR J := 1 TO 2 DO WRITE( TAPE2, LOCATION[I,J] ),
001164   320          WRITE(TAPE2, APPEAL[I],10:1),
001173   321      FOR J := 0 TO 6 DO WRITE( TAPE2, AVEFFECT[I,J]:10:1),
001214   322      WRITELN( TAPE2 )
001214   323   END (* FOR I *),
001222   324   LINE( TAPE2, 100 ),
001224   325
001224   326   (* NOW SORT AVEFFECT BY EFFECT LEVEL > SIGEFFECT AND PRINT TAPE3 *)
001224   327
001224   328   SORTNPRINT(TAPE3),
001226   329 END (* MAIN *)

          COMPILER ESTIMATED 'W' OPTION = 017302B
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EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 0
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: MILFORD LONG TERM POP 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	1.0	FISH SPR	208.0	224.0	216.0	0.0	0.0	0.0	80.0	104.0	96.0	394.1	198.1	303.8	394.1	198.1	303.8
2	2.0	CONGER MT	176.0	188.0	182.0	676.9	433.4	543.6	66.0	74.0	70.0	8380.5	7475.4	7928.0	9057.3	7908.9	8471.6
3	2.0	DEEP CREEK	208.0	234.0	221.0	193.2	59.8	109.3	104.0	128.0	116.0	4335.0	2436.1	3311.3	4528.2	2515.9	2420.6
4	1.0	KING TOP	160.0	176.0	168.0	0.5	0.1	0.2	38.0	58.0	48.0	7250.0	3311.3	5103.8	7250.5	3311.3	5104.0
5	1.0	WAH WAH MT	140.0	156.0	148.0	5.4	0.8	2.[illegible]	28.0	44.0	36.0	9491.5	5931.0	7701.5	9496.9	5931.8	7703.6
6	1.0	NOTCH PK	176.0	192.0	184.0	0.1	0.0	0.0	48.0	62.0	55.0	5103.8	2722.1	3802.7	5103.9	2722.1	3802.7
7	1.0	HOWELL PK	186.0	194.0	190.0	0.0	0.0	0.0	62.0	70.0	66.0	2722.1	1769.0	2208.8	2722.1	1769.0	2208.8
8	1.0	BMASEY MT	194.0	208.0	201.0	0.0	0.0	0.0	64.0	82.0	73.0	2496.1	840.2	1484.8	2496.1	840.2	1484.8
9	1.0	LTL SAHARA	238.0	248.0	243.0	0.0	0.0	0.0	94.0	102.0	98.0	394.8	187.1	259.3	394.8	187.1	259.3
10	3.0	PINE VALLE	88.0	100.0	94.0	11238.2	10145.3	10695.2	64.0	80.0	72.0	10895.1	9778.1	10332.5	22093.4	19923.4	21027.7
11	2.0	ARC DOME	182.0	200.0	191.0	543.6	269.5	386.0	216.0	232.0	224.0	111.9	53.8	78.1	655.5	323.4	464.1
12	1.0	ROBERTS MT	220.0	228.0	224.0	0.0	0.0	0.0	202.0	212.0	207.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	RAWHIDE	124.0	138.0	131.0	30.0	6.7	14.5	182.0	196.0	189.0	0.0	0.0	0.0	30.1	6.7	14.5
14	2.0	KANICH	104.0	124.0	114.0	5295.5	3325.2	4239.3	184.0	200.0	192.0	413.0	220.6	303.8	5708.5	3545.9	4543.2
15	1.0	ANTELOPE	150.0	176.0	163.0	1.6	0.1	0.3	170.0	186.0	178.0	0.1	0.0	0.0	1.7	0.1	0.3
16	1.0	PALISADE M	112.0	132.0	122.0	95.4	13.0	36.7	158.0	176.0	167.0	0.5	0.0	0.1	95.9	13.1	36.9
17	1.0	THE WALL	112.0	132.0	122.0	95.4	13.0	36.7	158.0	176.0	167.0	0.5	0.0	0.1	95.9	13.1	36.9
18	1.0	PARK RANGE	152.0	160.0	156.0	1.3	0.5	0.8	80.0	82.0	81.0	939.0	840.2	898.0	940.3	840.7	898.8
19	2.0	MOREY	140.0	148.0	144.0	2160.9	1708.2	1924.4	182.0	176.0	179.0	449.0	554.1	497.0	2605.9	2262.3	2421.4
20	1.0	S REVEILLE	94.0	94.0	94.0	433.4	433.4	433.4	176.0	180.0	178.0	0.0	0.0	0.0	433.5	433.5	433.5
21	2.0	QUINN	88.0	104.0	96.0	7245.1	5295.5	6234.6	144.0	160.0	152.0	1975.4	959.0	1237.2	8820.4	6254.5	7471.8
22	1.0	WEEPAHSPRG	68.0	86.0	77.0	2418.6	780.2	1419.8	110.0	124.0	117.0	93.6	24.6	49.0	2512.2	804.8	1468.8
23	1.0	GRANT RG	96.0	112.0	104.0	371.2	95.4	193.2	128.0	142.0	135.0	16.3	3.5	7.7	387.5	98.9	200.9
24	1.0	BLUE EAGLE	110.0	132.0	121.0	114.4	13.0	40.5	124.0	138.0	131.0	24.6	5.5	11.9	139.0	18.5	52.4
25	1.0	RIORDANS M	110.0	132.0	121.0	114.4	13.0	40.5	124.0	138.0	131.0	24.6	5.5	11.9	139.0	18.5	52.4
26	2.0	RUBY MTNS	246.0	266.0	256.0	33.2	11.7	19.9	190.0	204.0	197.0	328.5	187.1	249.1	361.7	198.8	269.1
27	1.0	GOSHUECYN	214.0	226.0	220.0	0.0	0.0	0.0	146.0	152.0	149.0	2.2	1.0	1.5	2.2	1.0	1.5
28	2.0	SO EGAN	118.0	142.0	130.0	3836.3	2040.0	2846.3	102.0	112.0	107.0	4321.1	3634.2	4063.8	8377.4	5674.3	6910.2
29	1.0	DELAMARNTS	12.0	34.0	23.0	19055.6	9961.1	12866.2	126.0	146.0	136.0	20.0	2.2	6.9	15075.6	9963.3	12873.1
30	1.0	FORTIRANGE	116.0	128.0	122.0	65.8	19.9	36.7	76.0	84.0	80.0	1237.2	733.7	959.0	1303.0	753.6	995.7
31	2.0	WHITE ROCK	102.0	110.0	106.0	5522.8	4645.2	5073.3	56.0	64.0	60.0	9491.5	8605.8	9052.6	15014.3	13251.0	14125.9
32	2.0	PARSNIP PK	80.0	102.0	91.0	8310.0	5522.8	6858.7	68.0	86.0	77.0	8134.4	6145.4	7137.7	16444.4	11668.2	13996.5
33	1.0	FAR S EGAN	108.0	120.0	114.0	136.7	44.7	79.3	100.0	108.0	104.0	220.6	111.9	158.1	357.3	156.6	237.5
34	1.0	DNWR	2.0	4.0	3.0	15941.0	15863.1	15908.5	140.0	204.0	172.0	4.4	0.0	0.1	15945.3	15863.1	15908.5
35	1.0	ARROW CYN	2.0	8.0	5.0	15941.0	15555.3	15804.9	152.0	162.0	157.0	1.0	0.3	0.6	15942.0	15555.6	15805.5
36	3.0	ZION NP	102.0	128.0	115.0	9961.1	7595.0	8764.9	62.0	98.0	80.0	10979.9	8435.7	9778.1	20941.0	16050.7	18543.0
37	3.0	CEDAR BRKS	126.0	130.0	128.0	7772.0	7419.3	7595.0	52.0	56.0	54.0	11562.5	11338.2	11451.8	19334.5	18757.5	19046.8
38	3.0	ASHDOWN	124.0	130.0	127.0	7950.2	7419.3	7683.3	50.0	56.0	53.0	11670.0	11338.2	11507.6	19620.2	18757.5	19190.9
39	2.0	RED CYN NO	156.0	162.0	159.0	1332.8	1097.0	1210.3	56.0	60.0	58.0	9491.5	9052.6	9273.2	10824.3	10149.6	10483.5
40	3.0	BRYCE CYN	154.0	168.0	161.0	5446.5	4439.4	4928.2	70.0	78.0	74.0	10466.4	9919.3	10196.6	15912.9	14358.7	15124.7
41	1.0	TABLE MTN	108.0	122.0	115.0	136.7	36.7	72.3	72.0	80.0	76.0	1575.4	959.0	1237.2	1712.0	995.7	1309.5
42	2.0	JARBIDGE	340.0	358.0	349.0	0.1	0.0	0.1	260.0	272.0	266.0	13.2	6.9	9.6	13.3	6.9	9.6
43	2.0	LONE PK	306.0	306.0	306.0	1.1	1.1	1.1	166.0	166.0	166.0	785.5	785.5	785.5	786.6	786.6	786.6
44	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2698.1	3325.2	90.0	96.0	93.0	5719.4	5103.8	5407.8	9764.3	7802.0	8733.1
45	2.0	FARSDEGANS	112.0	120.0	116.0	4439.4	3673.5	4044.9	104.0	112.0	108.0	4335.0	3634.2	3975.7	8774.4	7307.7	8020.6
46	1.0	SOPAHROCS	44.0	56.0	50.0	7245.1	4439.4	5795.3	130.0	134.0	132.0	13.2	8.6	10.7	7258.3	4448.0	5765.9
47	1.0	EASTPAHRAN	36.0	42.0	39.0	9407.9	7772.0	8582.3	148.0	154.0	151.0	1.7	0.8	1.2	9409.6	7772.8	8583.5
48	1.0	MADSCARPS	32.0	34.0	33.0	10512.5	9961.1	10237.3	142.0	148.0	145.0	3.5	1.7	2.5	10516.0	9962.8	10239.7
49	1.0	LOPAHRANLK	32.0	34.0	33.0	10512.5	9961.1	10237.3	142.0	148.0	145.0	3.5	1.7	2.5	10516.0	9962.8	10239.7
50	1.0	FW123	0.0	2.0	1.0	15967.0	15941.0	15960.5	146.0	180.0	163.0	2.2	0.0	0.3	15969.2	15941.0	15960.7
51	1.0	GRPVINESPR	44.0	56.0	50.0	7245.1	4439.4	5795.3	100.0	114.0	107.0	220.6	63.0	122.1	7465.7	4504.4	5877.4
52	2.0	MEADOW VAL	8.0	40.0	24.0	13863.1	13561.8	13655.6	120.0	150.0	135.0	3007.2	1213.8	2035.4	16870.3	14877.7	17091.0
53	2.0	MORMON MTS	20.0	40.0	30.0	15328.4	13561.8	14566.0	120.0	140.0	130.0	3007.2	1769.0	2330.1	18335.6	15330.8	16896.0
54	1.0	PENN CYN	20.0	20.0	20.0	13561.8	13561.8	13561.8	144.0	144.0	144.0	2.8	2.8	2.8	13564.6	13564.6	13564.6
55	2.0	GRAN SPR	188.0	192.0	190.0	433.4	371.2	401.3	88.0	96.0	92.0	5931.0	5103.8	5510.9	6364.4	5475.0	5912.1

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP. 19967.0
BASE B: BERYL LONG TERM POP. 18834.0

LOCATION NO.	APPL.	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	1.0	FISH SPR	208.0	224.0	216.0	0.0	0.0	0.0	132.0	150.0	141.0	10.8	1.3	2.8	10.8	1.3	2.8
2	2.0	CONGER MT	176.0	188.0	182.0	676.9	433.4	543.6	88.0	114.0	101.0	5823.5	3487.8	4532.1	6500.3	3846.9	5075.7
3	2.0	DEEP CREEK	208.0	234.0	221.0	193.2	99.0	109.3	140.0	168.0	154.0	1736.9	780.4	1141.2	1930.1	780.2	1250.6
4	1.0	KING TOP	160.0	176.0	168.0	0.5	0.1	0.2	78.0	96.0	87.0	1071.3	298.3	584.3	1071.7	298.4	584.5
5	1.0	WAH WAH MT	140.0	156.0	148.0	3.4	0.8	2.1	86.0	76.0	66.0	3868.3	1814.8	2168.7	3872.7	1815.5	2170.8
6	1.0	NOTCH PK	176.0	192.0	184.0	0.1	0.0	0.0	94.0	110.0	102.0	348.4	91.9	183.7	348.4	91.9	183.7
7	1.0	HOWELL PK	186.0	194.0	190.0	0.0	0.0	0.0	108.0	116.0	112.0	109.8	52.9	76.7	109.9	52.9	76.7
8	1.0	SHASSEY MT	194.0	208.0	201.0	0.0	0.0	0.0	114.0	130.0	122.0	63.8	13.0	29.5	63.8	13.0	29.5
9	1.0	LTL SAHARA	238.0	248.0	243.0	0.0	0.0	0.0	180.0	188.0	184.0	1.3	0.5	0.8	1.3	0.5	0.8
10	3.0	PINE VALLE	88.0	100.0	94.0	11238.2	10145.3	10695.2	16.0	32.0	24.0	18689.9	12291.6	12803.1	23924.1	22394.9	23198.3
11	2.0	ARC DONE	182.0	200.0	191.0	843.6	269.5	384.0	204.0	222.0	214.0	169.0	84.0	119.9	712.6	353.5	505.9
12	1.0	ROBERTS MT	220.0	228.0	224.0	0.0	0.0	0.0	204.0	212.0	208.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	RAMMIDE	124.0	138.0	131.0	30.0	6.7	14.3	150.0	164.0	157.0	1.3	0.2	0.5	31.4	6.9	15.0
14	2.0	KANICH	104.0	124.0	114.0	5295.5	3525.2	4239.3	146.0	160.0	153.0	1497.9	941.6	1177.5	6793.4	4466.9	5416.9
15	1.0	ANTELOPE	150.0	176.0	163.0	1.6	0.1	0.5	154.0	174.0	164.0	0.8	0.1	0.2	2.4	0.1	0.5
16	1.0	PALISADE R	112.0	132.0	122.0	95.4	13.0	36.7	128.0	146.0	137.0	16.0	2.1	6.0	111.4	15.2	42.8
17	1.0	THE WALL	112.0	132.0	122.0	95.4	13.0	36.7	128.0	146.0	137.0	16.0	2.1	6.0	111.4	15.2	42.8
18	1.0	PARK RANGE	152.0	160.0	156.0	1.3	0.5	0.8	156.0	164.0	160.0	0.6	0.2	0.4	1.9	0.7	1.1
19	2.0	MOREY	140.0	148.0	144.0	2160.9	1708.2	1924.4	154.0	160.0	157.0	1141.2	941.6	1037.6	3302.1	2649.8	2962.0
20	1.0	S REVEILLE	94.0	94.0	94.0	433.4	433.4	433.4	136.0	138.0	137.0	6.8	3.4	6.0	440.2	436.8	439.5
21	2.0	QUINN	88.0	104.0	96.0	7245.1	5292.5	6234.6	110.0	116.0	113.0	3733.7	2891.2	3487.3	10978.8	8946.7	9721.9
22	1.0	WEEPAHSPRG	68.0	86.0	77.0	2418.6	780.2	1419.8	68.0	86.0	77.0	1944.0	627.1	1141.2	4363.6	1407.2	2561.0
23	1.0	GRANT RG	96.0	112.0	104.0	371.2	98.4	193.2	100.0	116.0	108.0	216.6	52.9	109.8	587.8	148.3	303.0
24	1.0	BLUE EAGLE	110.0	132.0	121.0	114.4	13.0	40.5	102.0	120.0	111.0	183.7	36.0	84.0	298.1	49.0	124.5
25	1.0	RIORDANS W	110.0	132.0	121.0	114.4	13.0	40.5	102.0	120.0	111.0	183.7	36.0	84.0	298.1	49.0	124.5
26	2.0	RUBY MTNS	244.0	264.0	254.0	33.2	11.7	19.9	210.0	228.0	219.0	148.6	43.8	96.1	175.8	75.5	116.1
27	1.0	GOSHUECYN	214.0	224.0	220.0	0.0	0.0	0.0	168.0	178.0	173.0	0.1	0.0	0.1	0.1	0.0	0.1
28	2.0	SO EGAN	118.0	142.0	130.0	3896.3	3040.0	3844.3	90.0	108.0	99.0	8613.7	5983.6	4780.9	9472.0	9043.6	7867.2
29	1.0	DELAMARNTS	12.0	34.0	23.0	15039.6	9961.1	12866.2	70.0	86.0	78.0	1736.9	627.1	1071.3	16792.5	10588.2	13937.5
30	1.0	FORTIRANGE	116.0	128.0	122.0	65.8	19.9	36.7	68.0	80.0	74.0	1944.0	941.6	1373.0	2009.8	961.5	1409.7
31	2.0	WHITE ROCK	102.0	110.0	106.0	3522.8	4649.2	3973.3	38.0	44.0	41.0	11078.7	10533.4	10811.0	16598.3	15178.5	15884.3
32	2.0	PARSNIP PK	80.0	102.0	91.0	8310.0	5932.8	6858.7	38.0	52.0	45.0	11078.7	9739.4	10438.1	19389.7	15862.2	17296.9
33	1.0	FAR S EGAN	108.0	120.0	114.0	136.7	44.7	79.3	84.0	90.0	87.0	728.4	476.9	584.3	897.1	519.2	663.7
34	1.0	DNWR	2.0	4.0	3.0	13941.0	13863.1	13908.5	82.0	146.0	114.0	825.0	2.1	63.8	14769.9	13865.2	13972.2
35	1.0	ARROW CYN	2.0	8.0	5.0	13941.0	13933.3	13804.9	90.0	96.0	93.0	470.5	298.5	376.0	14411.4	13893.6	14180.9
36	3.0	ZION NP	102.0	128.0	115.0	9961.1	7399.0	8764.9	30.0	68.0	49.0	12320.7	10486.1	11309.9	22281.8	18001.1	20274.8
37	3.0	CEDAR BRKS	126.0	130.0	128.0	7772.0	7419.3	7595.0	44.0	48.0	46.0	11793.2	11540.7	11639.7	19327.2	18960.0	19254.6
38	3.0	ASHDOWN	124.0	130.0	127.0	7950.2	7419.3	7683.3	40.0	46.0	43.0	11935.7	11639.7	11801.7	19885.9	19078.9	19483.0
39	2.0	RED CYN NO	156.0	162.0	159.0	1332.8	1097.0	1210.3	72.0	76.0	74.0	7361.9	7118.6	7239.9	8694.6	8215.6	8550.1
40	3.0	BRYCE CYN	154.0	168.0	161.0	5446.3	4439.4	4928.2	7.8	86.0	46.9	12798.6	9176.8	11613.3	18243.1	13616.2	16343.7
41	1.0	TABLE MTN	108.0	122.0	115.0	136.7	36.7	72.3	84.0	44.0	60.0	3868.3	2411.5	2952.7	3705.0	2448.2	3024.9
42	2.0	JARBIDGE	340.0	358.0	349.0	0.1	0.0	0.1	282.0	298.0	290.0	3.8	1.5	2.4	4.0	1.5	2.5
43	2.0	LONE PK	306.0	306.0	306.0	1.1	1.1	1.1	213.0	213.0	213.0	125.3	125.3	125.3	126.4	126.4	126.4
44	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2698.1	3325.2	80.0	88.0	84.0	4679.2	5823.3	4847.0	10724.4	8521.6	9372.2
45	2.0	FARGOEGANS	112.0	120.0	116.0	4439.4	3673.5	4044.9	88.0	96.0	92.0	5823.5	5011.3	5410.9	10262.9	8684.7	9455.9
46	1.0	SOPAHROCS	44.0	56.0	50.0	7245.1	4439.4	5739.3	80.0	84.0	82.0	941.6	780.4	825.0	8186.7	5139.9	6580.3
47	1.0	EASTPAHRAN	36.0	42.0	39.0	9407.9	7772.0	8582.3	94.0	98.0	96.0	348.4	254.6	298.3	9736.2	8026.6	8880.7
48	1.0	MADSCARPS	32.0	34.0	33.0	10512.5	9961.1	10237.3	92.0	96.0	94.0	403.3	298.3	348.4	10918.0	10259.4	10585.7
49	1.0	LOPAHRANLA	32.0	34.0	33.0	10512.5	9961.1	10237.3	92.0	96.0	94.0	403.3	298.3	348.4	10918.0	10259.4	10585.7
50	1.0	FW123	0.0	2.0	1.0	13967.0	13941.0	13960.5	88.0	120.0	104.0	944.0	36.0	155.3	14911.0	13976.9	14115.8
51	1.0	GRPVINESPR	44.0	56.0	50.0	7245.1	4439.4	5739.3	40.0	54.0	47.0	6679.3	5903.6	5209.4	13924.3	8343.0	10964.7
52	2.0	MEADOW VAL	8.0	40.0	24.0	13863.1	13561.8	13699.6	60.0	88.0	74.0	8888.4	5823.3	7339.9	24791.3	19389.3	22395.3
53	2.0	MORMON MTS	20.0	40.0	30.0	15328.4	13561.8	14946.8	60.0	80.0	70.0	8888.4	6679.3	7784.2	24216.8	20241.3	22330.2
54	1.0	PENN CYN	20.0	20.0	20.0	13561.8	13561.8	13561.8	88.0	88.0	88.0	944.0	944.0	944.0	14105.9	14105.9	14105.9
55	2.0	GRAN SPR	188.0	192.0	190.0	433.4	371.2	401.3	120.0	124.0	122.0	2952.7	2672.8	2810.4	3386.1	3043.9	3211.6

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 8
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: DELTA LONG TERM POP 13679.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	1.0	FISH SPR	208.0	224.0	216.0	0.0	0.0	0.0	48.0	58.0	53.0	5341.2	3465.3	4346.3	5341.2	3465.3	4346.3
2	2.0	CONGER MT	176.0	188.0	182.0	676.9	433.4	543.6	58.0	66.0	62.0	9704.6	8770.3	9240.7	10381.4	9203.7	9784.3
3	2.0	DEEP CREEK	208.0	234.0	221.0	193.2	59.8	109.3	76.0	90.0	83.0	7587.3	5985.4	6772.7	7780.5	6045.2	6882.1
4	1.0	KING TOP	160.0	176.0	168.0	0.5	0.1	0.2	52.0	66.0	59.0	4536.6	2311.5	3303.7	4537.1	2311.6	3303.9
5	1.0	WAH WAH MT	140.0	156.0	148.0	5.4	0.8	2.1	68.0	82.0	75.0	2072.0	879.3	1377.0	2077.4	880.1	1379.1
6	1.0	NOTCH PK	176.0	192.0	184.0	0.1	0.0	0.0	40.0	52.0	46.0	7119.2	4536.6	5767.2	7119.3	4536.7	5767.2
7	1.0	HOWELL PK	186.0	194.0	190.0	0.0	0.0	0.0	38.0	48.0	43.0	7587.3	5341.2	6431.2	7587.3	5341.2	6431.3
8	1.0	SHASEY MT	194.0	208.0	201.0	0.0	0.0	0.0	32.0	44.0	38.0	9006.1	6206.9	7587.3	9006.1	6206.9	7587.3
9	1.0	LTL SAHARA	238.0	248.0	243.0	0.0	0.0	0.0	20.0	28.0	24.0	11618.5	9933.0	10813.1	11618.5	9933.0	10813.1
10	3.0	PINE VALLE	88.0	100.0	94.0	11238.2	10145.3	10695.2	136.0	152.0	144.0	3912.3	4797.3	5341.2	17150.6	14942.6	16036.5
11	2.0	ARC DOME	182.0	200.0	191.0	543.6	269.5	386.0	254.0	270.0	262.0	18.9	8.0	12.4	562.6	277.6	398.4
12	1.0	ROBERTS MT	220.0	228.0	224.0	0.0	0.0	0.0	202.0	216.0	209.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	RAWHIDE	124.0	138.0	131.0	30.0	6.7	14.5	220.0	234.0	227.0	0.0	0.0	0.0	30.0	6.7	14.5
14	2.0	KAWICH	104.0	124.0	114.0	5299.5	3325.2	4239.3	228.0	244.0	236.0	68.0	31.5	46.5	5363.4	3356.7	4285.9
15	1.0	ANTELOPE	150.0	176.0	163.0	1.6	0.1	0.3	194.0	214.0	204.0	0.0	0.0	0.0	1.6	0.1	0.3
16	1.0	PALISADE M	112.0	132.0	122.0	95.4	13.0	36.7	194.0	210.0	202.0	0.0	0.0	0.0	95.4	13.0	36.7
17	1.0	THE WALL	112.0	132.0	122.0	95.4	13.0	36.7	194.0	210.0	202.0	0.0	0.0	0.0	95.4	13.0	36.7
18	1.0	PARK RANGE	152.0	160.0	156.0	1.3	0.5	0.8	202.0	204.0	203.0	0.0	0.0	0.0	1.3	0.5	0.8
19	2.0	MOREY	140.0	148.0	144.0	2160.9	1708.2	1924.4	208.0	214.0	211.0	163.5	127.8	145.6	2326.4	1836.0	2070.0
20	1.0	S REVEILLE	94.0	94.0	94.0	433.4	433.4	433.4	224.0	228.0	226.0	0.0	0.0	0.0	433.4	433.4	433.4
21	2.0	QUINN	88.0	104.0	96.0	7245.1	5295.5	6234.6	184.0	204.0	194.0	432.2	195.8	293.9	7677.3	5491.3	6528.5
22	1.0	WEEPAHSPRG	68.0	86.0	77.0	2418.6	780.2	1419.8	160.0	178.0	169.0	0.4	0.0	0.1	2419.0	780.2	1419.9
23	1.0	GRANT RG	96.0	112.0	104.0	371.2	95.4	193.2	74.0	90.0	82.0	1463.4	501.4	879.3	1834.6	596.9	1072.5
24	1.0	BLUE EAGLE	110.0	132.0	121.0	114.4	13.0	40.5	160.0	176.0	168.0	0.4	0.0	0.1	114.8	13.1	40.7
25	1.0	RIORDANS W	110.0	132.0	121.0	114.4	13.0	40.5	160.0	176.0	168.0	0.4	0.0	0.1	114.8	13.1	40.7
26	2.0	RUBY MTNS	246.0	266.0	256.0	33.2	11.7	19.9	170.0	180.0	175.0	716.7	501.4	601.0	749.9	513.1	620.9
27	1.0	GOSHUECYN	214.0	226.0	220.0	0.0	0.0	0.0	126.0	132.0	129.0	21.0	11.2	15.4	21.0	11.2	15.4
28	2.0	SO EGAN	118.0	142.0	130.0	3856.3	2040.0	2846.3	132.0	144.0	139.0	2311.5	1553.9	1904.7	6167.8	3593.9	4751.1
29	1.0	DELAMARMTS	12.0	34.0	23.0	15055.6	9961.1	12866.2	192.0	208.0	200.0	0.0	0.0	0.0	15055.6	9961.1	12866.2
30	1.0	FORTIRANGE	116.0	128.0	122.0	65.8	19.9	36.7	114.0	124.0	119.0	68.0	25.7	42.3	133.7	45.6	79.0
31	2.0	WHITE ROCK	102.0	110.0	106.0	5522.8	4645.2	5073.3	118.0	126.0	122.0	3303.7	2707.1	2995.4	8826.5	7352.2	8068.7
32	2.0	PARSNIP PK	80.0	102.0	91.0	8310.0	5522.8	6858.7	122.0	144.0	133.0	2995.4	1648.6	2249.8	11305.3	7171.5	9108.6
33	1.0	FAR S EGAN	108.0	120.0	114.0	136.7	44.7	79.3	136.0	150.0	143.0	7.2	1.4	3.2	143.9	46.1	82.6
34	1.0	DNWR	2.0	4.0	3.0	15941.0	15863.1	15908.5	204.0	268.0	236.0	0.0	0.0	0.0	15941.0	15863.1	15908.5
35	1.0	ARROW CYN	2.0	8.0	5.0	15941.0	15555.3	15804.9	220.0	230.0	225.0	0.0	0.0	0.0	15941.0	15555.3	15804.9
36	3.0	ZION NP	102.0	128.0	115.0	9961.1	7595.0	8764.9	132.0	166.0	149.0	6206.9	3920.3	4997.9	16168.0	11515.2	13762.7
37	3.0	CEDAR BRKS	126.0	130.0	128.0	7772.0	7419.3	7595.0	120.0	132.0	126.0	7119.2	6206.9	6658.3	14891.2	13626.2	14253.2
38	3.0	ASHDOWN	124.0	130.0	127.0	7950.2	7419.3	7683.3	120.0	146.0	133.0	7119.2	5202.6	6132.7	15069.5	12621.9	13816.0
39	2.0	RED CYN NO	156.0	162.0	159.0	1332.8	1097.0	1210.3	110.0	116.0	113.0	3979.5	3465.3	3716.9	5312.3	4562.3	4927.2
40	3.0	BRYCE CYN	154.0	168.0	161.0	5446.5	4439.4	4928.2	120.0	134.0	127.0	7119.2	6058.9	6582.3	12565.7	10498.3	11510.5
41	1.0	TABLE MTN	108.0	122.0	115.0	136.7	36.7	72.3	116.0	124.0	120.0	56.3	25.7	38.3	193.0	62.4	110.6
42	2.0	JARBIDGE	340.0	358.0	349.0	0.1	0.0	0.1	220.0	228.0	224.0	98.0	68.0	81.7	98.1	68.0	81.8
43	2.0	LONE PK	306.0	306.0	306.0	1.1	1.1	1.1	94.0	94.0	94.0	5552.4	5552.4	5552.4	5553.5	5553.5	5553.5
44	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2698.1	3323.2	124.0	130.0	127.0	2848.8	2438.5	2638.1	6893.7	5136.6	5963.3
45	2.0	PARSOEGANS	112.0	120.0	116.0	4439.4	3673.5	4044.9	138.0	152.0	145.0	1959.3	1294.7	1600.7	6398.7	4968.2	5645.6
46	1.0	SOPAHROCK	44.0	56.0	50.0	7245.1	4439.4	5755.3	188.0	194.0	191.0	0.0	0.0	0.0	7245.1	4439.4	5755.3
47	1.0	EASTPAHRAN	36.0	42.0	39.0	9407.9	7772.0	8582.3	210.0	216.0	213.0	0.0	0.0	0.0	9407.9	7772.0	8582.4
48	1.0	MADSCARPS	32.0	34.0	33.0	10512.5	9961.1	10237.3	204.0	212.0	208.0	0.0	0.0	0.0	10512.5	9961.1	10237.3
49	1.0	LOPAHRANLK	32.0	34.0	33.0	10512.5	9961.1	10237.3	204.0	212.0	208.0	0.0	0.0	0.0	10512.5	9961.1	10237.3
50	1.0	FW123	0.0	2.0	1.0	15967.0	15941.0	15960.5	212.0	252.0	232.0	0.0	0.0	0.0	15967.0	15941.0	15960.5
51	1.0	GRPVINESPR	44.0	56.0	50.0	7245.1	4439.4	5755.3	168.0	180.0	174.0	0.1	0.0	0.1	7245.2	4439.4	5755.3
52	2.0	MEADOW VAL	8.0	40.0	24.0	15863.1	13561.8	15055.6	180.0	218.0	199.0	301.4	107.1	240.3	16364.5	13669.0	15296.1
53	2.0	MORMON MTS	20.0	40.0	30.0	15328.4	13561.8	14566.0	188.0	210.0	199.0	371.3	152.0	240.3	15699.7	13713.8	14806.3
54	1.0	PENN CYN	20.0	20.0	20.0	13561.8	13561.8	13561.8	208.0	208.0	208.0	0.0	0.0	0.0	13561.8	13561.8	13561.8
55	2.0	GRAN SPR	188.0	192.0	190.0	433.4	371.2	401.3	82.0	90.0	86.0	6887.7	5985.4	6431.2	7321.2	6356.6	6832.5

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 3
BASE A: SERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	1.0	FISH SPR	132.0	130.0	141.0	13.8	1.7	5.1	78.0	88.0	83.0	1197.5	608.2	862.2	1211.4	609.9	867.2
2	2.0	CONGER MT	88.0	114.0	101.0	7687.9	4498.4	5983.1	56.0	64.0	60.0	10418.1	9445.9	9936.3	18106.0	13944.4	15919.4
3	2.0	DEEP CREEK	140.0	168.0	154.0	2293.0	951.1	1506.6	58.0	78.0	68.0	10178.5	7711.6	8950.5	12471.5	8662.7	10457.1
4	1.0	RING TOP	78.0	96.0	87.0	1414.2	393.9	771.4	56.0	80.0	68.0	3989.0	1052.6	2173.2	5403.2	1446.5	2944.6
5	1.0	WAH WAH MT	36.0	76.0	66.0	4710.8	1603.7	2863.1	90.0	88.0	89.0	525.9	608.2	565.8	5236.7	2211.9	3428.9
6	1.0	NOTCH PK	94.0	110.0	102.0	459.9	121.4	242.5	76.0	86.0	81.0	1358.0	701.0	985.7	1817.9	822.4	1228.2
7	1.0	HOWELL PK	108.0	116.0	112.0	145.0	69.8	101.3	74.0	84.0	79.0	1534.9	805.4	1123.2	1679.9	873.1	1224.5
8	1.0	SWASEY MT	114.0	130.0	122.0	84.2	17.1	39.0	78.0	88.0	83.0	1197.5	608.2	862.2	1281.7	625.3	901.1
9	1.0	LTL SAHARA	150.0	158.0	154.0	1.7	0.6	1.1	132.0	138.0	135.0	11.7	6.0	8.4	13.4	6.7	9.5
10	3.0	PINE VALLE	16.0	32.0	24.0	16747.4	16174.2	16506.1	142.0	158.0	150.0	3749.3	4624.6	5171.3	22496.7	20798.7	21677.5
11	2.0	ARC DOME	206.0	222.0	214.0	223.1	110.9	158.3	130.0	144.0	137.0	2597.6	1729.1	2113.5	2780.6	1840.0	2271.8
12	1.0	ROBERTS MT	204.0	212.0	208.0	0.0	0.0	0.0	86.0	92.0	89.0	701.0	453.3	565.8	701.0	453.3	565.8
13	1.0	RAWHIDE	150.0	164.0	157.0	1.7	0.3	0.7	104.0	120.0	112.0	173.6	40.2	85.7	175.3	40.5	86.5
14	2.0	KAWICH	146.0	160.0	153.0	1924.7	1243.1	1554.5	120.0	134.0	127.0	3300.8	2296.3	2766.9	5225.4	3539.4	4321.4
15	1.0	ANTELOPE	154.0	174.0	164.0	1.1	0.1	0.2	82.0	92.0	87.0	922.2	453.3	653.2	923.3	453.4	653.5
16	1.0	PALISADE M	128.0	146.0	137.0	21.1	2.8	8.0	84.0	104.0	94.0	805.4	173.6	389.5	826.5	176.4	397.4
17	1.0	THE WALL	128.0	146.0	137.0	21.1	2.8	8.0	84.0	104.0	94.0	805.4	173.6	389.5	826.5	176.4	397.4
18	1.0	PARK RANGE	156.0	164.0	160.0	0.8	0.3	0.5	78.0	84.0	81.0	1197.5	805.4	985.7	1198.4	805.7	986.2
19	2.0	MOREY	134.0	160.0	157.0	1306.6	1243.1	1369.8	88.0	94.0	91.0	6510.0	3823.5	6162.9	8014.6	7066.6	7532.6
20	1.0	S REVEILLE	136.0	138.0	137.0	8.9	7.1	8.0	124.0	126.0	125.0	27.0	22.0	24.4	35.9	29.1	32.4
21	2.0	QUINN	110.0	116.0	113.0	4929.1	4292.2	4603.9	82.0	104.0	93.0	7224.1	4738.2	3935.7	12152.2	9030.4	10539.6
22	1.0	WEEPAHSPRG	68.0	86.0	77.0	2566.4	827.9	1506.6	82.0	100.0	91.0	922.2	242.2	488.5	3488.7	1070.0	1995.1
23	1.0	GRANT RG	100.0	116.0	108.0	286.0	69.8	145.0	68.0	88.0	78.0	2173.2	608.2	1197.5	2459.2	678.0	1342.6
24	1.0	BLUE EAGLE	102.0	120.0	111.0	242.5	47.5	110.9	50.0	68.0	59.0	5171.3	2173.2	3465.0	5413.9	2220.7	3575.9
25	1.0	RIORDANS W	102.0	120.0	111.0	242.5	47.5	110.9	50.0	68.0	59.0	5171.3	2173.2	3465.0	5413.9	2220.7	3575.9
26	2.0	RUBY MTNS	210.0	228.0	219.0	188.2	84.2	126.9	84.0	102.0	93.0	6983.4	4962.5	5935.7	7171.7	5046.7	6062.7
27	1.0	GOSHUECYN	168.0	178.0	173.0	0.2	0.0	0.1	46.0	58.0	52.0	6048.8	3634.3	4758.2	6049.0	3634.6	4758.3
28	2.0	SO EGAN	90.0	108.0	99.0	7413.7	5153.4	6232.3	26.0	50.0	38.0	13390.7	11116.6	12381.4	20804.4	16270.0	18613.7
29	1.0	DELAMARNTS	70.0	86.0	78.0	2293.0	827.9	1414.2	132.0	156.0	144.0	11.7	0.7	3.0	2304.7	828.5	1417.3
30	1.0	FORTIRANGE	68.0	80.0	74.0	2566.4	1243.1	1812.6	48.0	60.0	54.0	5602.1	3300.8	4363.8	8168.5	4543.9	6176.4
31	2.0	WHITE ROCK	38.0	44.0	41.0	14621.7	13905.8	14272.4	64.0	76.0	70.0	9445.9	7957.8	8701.9	24067.6	21863.6	22974.2
32	2.0	PARSNIP PK	38.0	52.0	45.0	14621.7	12857.6	13780.1	76.0	94.0	85.0	7957.8	3823.5	6864.0	22579.5	18681.2	20644.1
33	1.0	FAR S EGAN	84.0	90.0	87.0	951.1	621.1	771.4	48.0	62.0	55.0	5602.1	2987.9	4173.9	6553.1	3609.0	4945.3
34	1.0	DNMR	82.0	146.0	114.0	1089.1	2.8	84.2	144.0	200.0	172.0	3.0	0.0	0.1	1092.1	2.8	84.3
35	1.0	ARROW CYN	90.0	96.0	93.0	621.1	393.9	496.4	172.0	184.0	178.0	0.1	0.0	0.0	621.2	393.9	496.4
36	3.0	ZION NP	30.0	68.0	49.0	16265.4	13737.8	15195.0	152.0	192.0	172.0	5031.6	2695.8	3750.4	21297.0	16433.6	18945.4
37	3.0	CEDAR BRKS	44.0	48.0	46.0	15318.9	15262.0	15392.7	156.0	160.0	158.0	4758.2	4493.1	4624.6	20277.0	19755.1	20017.2
38	3.0	ASHDOWN	40.0	46.0	43.0	15757.1	15392.7	15580.2	152.0	158.0	155.0	5031.6	4624.6	4825.8	20788.7	20017.2	20406.0
39	2.0	RED CYN NO	72.0	76.0	74.0	9982.9	9397.7	9689.9	74.0	80.0	77.0	8205.2	7466.9	7834.5	18188.1	16864.6	17524.4
40	3.0	BRYCE CYN	7.8	86.0	46.9	16896.3	12114.9	15334.4	182.0	188.0	185.0	2194.1	2888.2	3038.6	20090.5	15003.1	18373.0
41	1.0	TABLE MTN	56.0	64.0	60.0	4710.8	3183.6	3898.0	64.0	74.0	69.0	2695.8	1534.9	2055.0	7406.6	4718.5	5953.0
42	2.0	JARBIDGE	282.0	298.0	290.0	3.1	2.0	3.2	170.0	186.0	178.0	731.7	420.4	565.8	734.8	422.3	569.0
43	2.0	LONE PK	213.0	213.0	213.0	165.4	165.4	165.4	219.0	219.0	219.0	107.5	107.5	107.5	272.8	272.8	272.8
44	2.0	MT GRAFTON	80.0	88.0	84.0	8818.0	7687.9	8247.0	36.0	52.0	44.0	12369.8	10887.6	11779.1	21187.8	18575.5	20022.2
45	2.0	FARSOEGANS	88.0	96.0	92.0	7687.9	6615.7	7143.3	48.0	56.0	52.0	11341.2	10418.1	10887.6	19029.1	17033.8	18030.9
46	1.0	SOPAHROCS	80.0	84.0	82.0	1243.1	951.1	1089.1	120.0	130.0	125.0	40.2	14.5	24.4	1283.3	965.6	1113.5
47	1.0	EASTPAHRAN	94.0	98.0	96.0	459.9	336.2	393.9	140.0	146.0	143.0	4.8	2.4	3.4	464.7	338.6	397.3
48	1.0	MADSCARPS	92.0	96.0	94.0	535.3	393.9	459.9	140.0	146.0	143.0	4.8	2.4	3.4	540.2	396.2	463.3
49	1.0	LOPAHRANLK	92.0	96.0	94.0	535.3	393.9	459.9	140.0	146.0	143.0	4.8	2.4	3.4	540.2	396.2	463.3
50	1.0	FW123	88.0	120.0	104.0	718.2	47.5	205.0	154.0	204.0	179.0	0.9	0.0	0.0	719.1	47.5	205.0
51	1.0	GRPVINESPR	40.0	54.0	47.0	8818.0	5153.4	6877.3	18.0	144.0	81.0	12569.8	3.0	985.7	21387.8	5156.4	7843.0
52	2.0	MEADOW VAL	60.0	88.0	74.0	11734.2	7687.9	9689.9	148.0	172.0	160.0	1534.9	701.0	1032.6	13269.1	8388.9	10742.5
53	2.0	MORMON MTS	60.0	80.0	70.0	11734.2	8818.0	10276.4	152.0	172.0	162.0	1358.0	701.0	985.7	13092.2	9519.0	11262.1
54	1.0	PENN CYN	88.0	88.0	88.0	718.2	718.2	718.2	152.0	152.0	152.0	1.2	1.2	1.2	719.4	719.4	719.4
55	2.0	GRAN SPR	120.0	124.0	122.0	3898.0	3528.5	3710.2	38.0	44.0	41.0	12381.4	11779.1	12083.3	16279.4	15303.6	15795.7

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	1.0	FISH SPR	132.0	150.0	141.0	13.8	1.7	5.1	208.0	224.0	216.0	0.0	0.0	0.0	13.8	1.7	5.1
2	2.0	CONGER MT	88.0	114.0	101.0	7687.9	4498.4	5983.1	176.0	188.0	182.0	517.0	331.0	415.2	8204.9	4829.5	6398.3
3	2.0	DEEP CREEK	140.0	168.0	154.0	2293.0	951.1	1506.6	208.0	234.0	221.0	147.5	45.7	83.5	2440.5	996.8	1590.1
4	1.0	KING TOP	78.0	96.0	87.0	1414.2	393.9	771.4	160.0	176.0	168.0	0.4	0.0	0.1	1414.6	393.9	771.5
5	1.0	WAH WAH MT	56.0	76.0	66.0	4710.8	1603.7	2863.1	140.0	156.0	148.0	4.1	0.6	1.6	4714.9	1604.3	2864.7
6	1.0	NOTCH PK	94.0	110.0	102.0	439.9	121.4	242.5	176.0	192.0	184.0	0.0	0.0	0.0	460.0	121.4	242.5
7	1.0	HOWELL PK	108.0	116.0	112.0	145.0	69.8	101.3	186.0	194.0	190.0	0.0	0.0	0.0	145.0	69.8	101.3
8	1.0	SHABBY MT	114.0	130.0	122.0	84.2	17.1	39.0	194.0	208.0	201.0	0.0	0.0	0.0	84.2	17.1	39.0
9	1.0	LTL SAHARA	150.0	158.0	154.0	1.7	0.6	1.1	238.0	248.0	243.0	0.0	0.0	0.0	1.7	0.6	1.1
10	3.0	PINE VALLE	16.0	32.0	24.0	16747.4	16174.2	16506.1	88.0	100.0	94.0	8983.3	7748.6	8168.6	25330.8	23922.8	24674.8
11	2.0	ARC DOME	206.0	222.0	214.0	223.1	110.9	158.3	182.0	200.0	191.0	415.2	205.9	294.8	638.3	316.8	453.1
12	1.0	ROBERTS MT	204.0	212.0	208.0	0.0	0.0	0.0	220.0	228.0	224.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	RAWHIDE	150.0	164.0	157.0	1.7	0.3	0.7	124.0	138.0	131.0	22.9	5.1	11.1	24.7	5.4	11.8
14	2.0	KANICH	146.0	160.0	153.0	1924.7	1243.1	1554.5	104.0	124.0	114.0	4044.5	2539.7	3237.8	5969.1	3782.8	4792.4
15	1.0	ANTELOPE	154.0	174.0	164.0	1.1	0.1	0.3	150.0	176.0	163.0	1.3	0.0	0.2	2.3	0.1	0.5
16	1.0	PALISADE M	128.0	146.0	137.0	21.1	2.8	8.0	112.0	132.0	122.0	72.9	9.9	28.0	94.0	12.8	36.0
17	1.0	THE WALL	128.0	146.0	137.0	21.1	2.8	8.0	112.0	132.0	122.0	72.9	9.9	28.0	94.0	12.8	36.0
18	1.0	PARK RANGE	156.0	164.0	160.0	0.8	0.3	0.5	152.0	160.0	156.0	1.0	0.4	0.6	1.8	0.6	1.1
19	2.0	MOREY	154.0	160.0	157.0	1506.6	1243.1	1369.8	140.0	148.0	144.0	1650.4	1304.6	1469.8	3157.0	2547.7	2839.6
20	1.0	S REVEILLE	136.0	138.0	137.0	8.9	7.1	8.0	94.0	94.0	94.0	331.0	331.0	331.0	340.0	338.2	339.0
21	2.0	QUINN	110.0	116.0	113.0	4929.1	4292.2	4603.9	88.0	104.0	96.0	5533.5	4044.5	4761.8	10462.6	8336.7	9363.6
22	1.0	WEEPAHSPRG	68.0	86.0	77.0	2566.4	827.9	1506.6	68.0	86.0	77.0	1847.2	595.9	1084.4	4413.6	1423.7	2591.0
23	1.0	GRANT RG	100.0	116.0	108.0	286.0	69.8	145.0	96.0	112.0	104.0	283.5	72.9	147.5	569.5	142.7	292.5
24	1.0	BLUE EAGLE	102.0	120.0	111.0	242.5	47.5	110.9	110.0	132.0	121.0	87.4	9.9	31.0	329.9	57.4	141.9
25	1.0	RIORDANS W	102.0	120.0	111.0	242.5	47.5	110.9	110.0	132.0	121.0	87.4	9.9	31.0	329.9	57.4	141.9
26	2.0	RUBY MTNS	210.0	228.0	219.0	188.2	84.2	126.9	246.0	266.0	256.0	25.4	8.9	15.2	213.6	93.1	142.1
27	1.0	GOSHUECYN	168.0	178.0	173.0	0.2	0.0	0.1	214.0	226.0	220.0	0.0	0.0	0.0	0.2	0.0	0.1
28	2.0	SO EGAN	90.0	108.0	99.0	7413.7	3193.4	6232.3	118.0	142.0	130.0	2943.3	1558.1	2173.9	10359.0	4711.5	8406.3
29	1.0	DELAMARMTS	70.0	86.0	78.0	2293.0	827.9	1414.2	12.0	34.0	23.0	11498.9	7607.9	9826.7	13791.9	8435.8	11241.0
30	1.0	FORTIRANGE	68.0	80.0	74.0	2566.4	1243.1	1812.6	116.0	128.0	122.0	50.2	15.2	28.0	2616.6	1258.3	1840.6
31	2.0	WHITE ROCK	38.0	44.0	41.0	14621.7	13905.8	14272.4	102.0	110.0	106.0	4218.1	3547.8	3874.8	18839.9	17453.6	18147.2
32	2.0	PARSNIP PK	38.0	52.0	45.0	14621.7	12857.6	13780.1	80.0	102.0	91.0	6344.9	4218.1	5238.5	20968.6	17075.8	19018.5
33	1.0	FAR S EGAN	84.0	90.0	87.0	951.1	621.1	771.4	108.0	120.0	114.0	104.4	34.2	60.6	1055.5	655.3	832.0
34	1.0	DNWR	82.0	146.0	114.0	1089.1	2.8	84.2	2.0	4.0	3.0	12173.1	12115.6	12150.3	13264.2	12118.4	12234.5
35	1.0	ARROW CYN	90.0	96.0	93.0	621.1	393.9	496.4	2.0	8.0	5.0	12173.1	11880.6	12071.2	12796.2	12274.4	12567.6
36	3.0	ZION NP	30.0	68.0	49.0	16263.4	13737.8	15195.0	102.0	128.0	115.0	7607.9	5800.8	6694.3	23873.3	19538.5	21889.3
37	3.0	CEDAR BRKS	44.0	48.0	46.0	15918.8	15262.0	15592.7	126.0	130.0	128.0	5935.9	5666.6	5800.8	21454.8	20928.6	21193.4
38	3.0	ASHDOWN	40.0	46.0	43.0	15737.1	15392.7	15580.2	124.0	130.0	127.0	6072.1	5666.6	5868.2	21829.2	21059.2	21448.4
39	2.0	RED CYN NO	72.0	76.0	74.0	9982.9	9397.7	9689.9	156.0	162.0	159.0	1017.9	837.8	924.3	11000.8	10235.6	10614.2
40	3.0	BRYCE CYN	7.8	86.0	46.9	16896.3	12114.9	15334.4	154.0	168.0	161.0	4139.8	3390.7	3764.0	21036.1	15505.6	19098.4
41	1.0	TABLE MTN	36.0	64.0	60.0	4710.8	3183.6	3898.0	108.0	122.0	115.0	104.4	28.0	55.2	4815.2	3211.7	3953.2
42	2.0	JARBIDGE	282.0	298.0	290.0	5.1	2.0	3.2	340.0	358.0	349.0	0.1	0.0	0.0	5.2	2.0	3.2
43	2.0	LONE PK	213.0	213.0	213.0	165.4	165.4	165.4	306.0	306.0	306.0	0.9	0.9	0.9	166.2	166.2	166.2
44	2.0	MT GRAFTON	80.0	88.0	84.0	8818.0	7687.9	8247.0	116.0	132.0	124.0	3089.4	2060.7	2539.7	11907.3	9748.7	10786.7
45	2.0	FARSOEGANS	88.0	96.0	92.0	7687.9	6615.7	7143.3	112.0	120.0	116.0	3390.7	2803.7	3089.4	11078.6	9421.4	10232.7
46	1.0	SOPAHROCS	80.0	84.0	82.0	1243.1	951.1	1089.1	44.0	56.0	50.0	5533.5	3390.7	4395.7	6776.6	4341.8	5484.8
47	1.0	EASTPAHRAN	94.0	98.0	96.0	439.9	336.2	393.9	36.0	42.0	39.0	7183.4	5935.9	6554.9	7645.3	6272.1	6948.7
48	1.0	HADSCARPS	92.0	96.0	94.0	535.3	393.9	459.9	32.0	34.0	33.0	8029.1	7607.9	7818.8	8564.4	8001.8	8278.8
49	1.0	LOPAHRANLK	92.0	96.0	94.0	535.3	393.9	459.9	32.0	34.0	33.0	8029.1	7607.9	7818.8	8564.4	8001.8	8278.8
50	1.0	FW123	88.0	120.0	104.0	718.2	47.5	203.0	0.0	2.0	1.0	12195.0	12175.1	12190.0	12913.2	12222.6	12393.0
51	1.0	GRPVINESPR	40.0	54.0	47.0	8818.0	5153.4	6877.3	44.0	56.0	50.0	5533.5	3390.7	4395.7	14351.5	8544.0	11272.9
52	2.0	MEADOW VAL	60.0	88.0	74.0	11734.2	7687.9	9689.9	8.0	40.0	24.0	12115.6	10358.0	11498.9	23849.8	18045.9	21188.7
53	2.0	MORMON MTS	60.0	80.0	70.0	11734.2	8818.0	10276.4	20.0	40.0	30.0	11707.3	10358.0	11124.9	22441.5	19176.0	21401.4
54	1.0	PENN CYN	88.0	88.0	88.0	718.2	718.2	718.2	20.0	20.0	20.0	10358.0	10358.0	10358.0	11076.2	11076.2	11076.2
55	2.0	GRAN SPR	120.0	124.0	122.0	3898.0	3528.5	3710.2	188.0	192.0	190.0	331.0	283.5	306.5	4229.1	3812.0	4016.6

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 9
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	1.0	FISH SPR	88.0	104.0	96.0	730.0	208.3	400.3	78.0	88.0	83.0	1197.5	608.2	862.2	1927.6	816.5	1262.5
2	2.0	CONGER MT	66.0	74.0	70.0	11041.3	9848.8	10445.1	56.0	64.0	60.0	10418.1	9445.9	9936.3	21459.3	19294.8	20381.4
3	2.0	DEEP CREEK	104.0	128.0	116.0	5711.4	3235.9	4362.6	58.0	78.0	68.0	10178.5	7711.6	8950.5	15889.8	10947.4	13313.1
1	1.0	KING TOP	38.0	58.0	48.0	9551.9	4362.6	6724.3	56.0	80.0	68.0	3989.0	1052.6	2173.2	13540.9	5413.2	8897.4
5	1.0	WAH WAH MT	28.0	44.0	36.0	12505.0	7814.1	10146.7	90.0	88.0	89.0	525.9	608.2	565.8	13030.9	8422.3	10712.5
6	1.0	NOTCH PK	48.0	62.0	55.0	6724.3	3586.4	5010.0	76.0	86.0	81.0	1358.0	701.0	985.7	8082.2	4287.4	5995.7
7	1.0	HOWELL PK	62.0	70.0	66.0	3586.4	2330.6	2910.1	74.0	84.0	79.0	1534.9	805.4	1123.2	5121.3	3136.0	4033.3
8	1.0	SWASEY MT	64.0	82.0	73.0	3235.9	1107.0	1956.2	78.0	88.0	83.0	1197.5	608.2	862.2	4433.4	1715.2	2818.4
9	1.0	LTL SAHARA	94.0	102.0	98.0	467.5	246.5	341.7	132.0	138.0	135.0	11.7	6.0	8.4	479.2	252.5	350.1
10	3.0	PINE VALLE	64.0	80.0	72.0	14301.6	12882.6	13613.0	142.0	158.0	150.0	5749.3	4624.6	5171.3	20050.9	17507.2	18784.4
11	2.0	ARC DOME	216.0	232.0	224.0	147.4	70.9	102.9	130.0	144.0	137.0	2557.6	1729.1	2113.5	2704.9	1800.1	2216.4
12	1.0	ROBERTS MT	202.0	212.0	207.0	0.0	0.0	0.0	86.0	92.0	89.0	701.0	453.3	565.8	701.0	453.3	565.8
13	1.0	RAMHIDE	182.0	196.0	189.0	0.0	0.0	0.0	104.0	120.0	112.0	173.6	40.2	85.7	173.6	40.2	85.7
14	2.0	KAMICH	184.0	200.0	192.0	544.1	290.7	400.3	120.0	134.0	127.0	3300.8	2296.3	2766.9	3844.9	2587.0	3167.2
15	1.0	ANTELOPE	170.0	186.0	178.0	0.1	0.0	0.0	82.0	92.0	87.0	922.2	453.3	653.2	922.4	453.3	653.3
16	1.0	PALISADE M	158.0	176.0	167.0	0.6	0.1	0.2	84.0	104.0	94.0	805.4	173.6	389.5	806.0	173.6	389.7
17	1.0	THE WALL	158.0	176.0	167.0	0.6	0.1	0.2	84.0	104.0	94.0	805.4	173.6	389.5	806.0	173.6	389.7
18	1.0	PARK RANGE	80.0	82.0	81.0	1263.5	1107.0	1183.1	78.0	84.0	81.0	1197.5	805.4	985.7	2461.0	1912.4	2168.8
19	2.0	MOREY	182.0	176.0	179.0	586.3	730.0	654.8	88.0	94.0	91.0	6510.0	5823.5	6162.9	7096.3	6553.6	6817.7
20	1.0	S REVEILLE	176.0	180.0	178.0	0.1	0.0	0.0	124.0	126.0	125.0	27.0	22.0	24.4	27.0	22.0	24.4
21	2.0	QUINN	144.0	160.0	152.0	2075.5	1263.5	1630.0	82.0	104.0	93.0	7224.1	4758.2	5935.7	9299.6	6021.7	7565.7
22	1.0	WEEPAHSPRG	110.0	124.0	117.0	123.4	32.4	64.5	82.0	100.0	91.0	922.2	242.2	488.5	1045.6	274.6	553.0
23	1.0	GRANT RG	128.0	142.0	135.0	21.5	4.6	10.1	68.0	88.0	78.0	2173.2	608.2	1197.5	2194.7	612.8	1207.7
24	1.0	BLUE EAGLE	124.0	138.0	131.0	32.4	7.2	15.6	50.0	68.0	59.0	5171.3	2173.2	3465.0	5203.7	2180.4	3480.7
25	1.0	RIORDANS W	124.0	138.0	131.0	32.4	7.2	15.6	50.0	68.0	59.0	5171.3	2173.2	3465.0	5203.7	2180.4	3480.7
26	2.0	RUBY MTNS	190.0	204.0	197.0	432.8	246.5	328.3	84.0	102.0	93.0	6983.4	4962.5	5935.7	7416.2	5209.0	6264.0
27	1.0	GOSHUECYN	146.0	152.0	149.0	2.9	1.4	2.0	46.0	58.0	52.0	6048.8	3634.5	4758.2	6051.7	3639.9	4760.2
28	2.0	SO EGAN	102.0	112.0	107.0	5956.6	4788.1	5334.1	26.0	50.0	38.0	13390.7	11116.6	12381.4	19347.3	15904.7	17735.5
29	1.0	DELAMARMTS	126.0	146.0	136.0	26.4	2.9	9.1	132.0	156.0	144.0	11.7	0.7	3.0	38.1	3.6	12.1
30	1.0	FORTIRANGE	76.0	84.0	80.0	1630.0	966.7	1263.5	48.0	60.0	54.0	5602.1	3300.8	4363.8	7232.0	4267.5	5627.3
31	2.0	WHITE ROCK	56.0	64.0	60.0	12505.0	11338.1	11926.7	64.0	76.0	70.0	9445.9	7957.8	8701.9	21950.9	19295.9	20628.6
32	2.0	PARSNIP PK	68.0	86.0	77.0	10743.4	8096.5	9403.9	76.0	94.0	85.0	7957.8	5823.5	6844.0	18701.2	13920.1	16248.0
33	1.0	FAR S EGAN	100.0	108.0	104.0	290.7	147.4	208.3	48.0	62.0	55.0	5602.1	2987.9	4173.9	5892.7	3135.3	4382.2
34	1.0	DNWR	140.0	204.0	172.0	5.8	0.0	0.1	144.0	200.0	172.0	3.0	0.0	0.1	8.8	0.0	0.2
35	1.0	ARROW CYN	152.0	162.0	157.0	1.4	0.4	0.7	172.0	184.0	178.0	0.1	0.0	0.0	1.5	0.4	0.8
36	3.0	ZION NP	62.0	98.0	80.0	14466.0	11140.4	12882.6	152.0	192.0	172.0	3031.6	2695.8	3750.4	19497.6	13836.2	16633.0
37	3.0	CEDAR BRKS	52.0	56.0	54.0	15233.5	14938.0	15087.8	156.0	160.0	158.0	4758.2	4493.1	4624.6	19991.7	19431.1	19712.4
38	3.0	ASHDOWN	50.0	56.0	53.0	15375.1	14938.0	15161.2	152.0	158.0	155.0	3031.6	4624.6	4825.8	20406.7	19562.6	19986.9
39	2.0	RED CYN NO	56.0	60.0	58.0	12505.0	11926.7	12217.4	74.0	80.0	77.0	8205.2	7466.9	7834.5	20710.2	19393.6	20052.0
40	3.0	BRYCE CYN	70.0	78.0	74.0	13789.5	13068.6	13433.9	182.0	188.0	185.0	3194.1	2888.2	3038.6	16983.6	15956.8	16472.5
41	1.0	TABLE MTN	72.0	80.0	76.0	2075.5	1263.5	1630.0	64.0	74.0	69.0	2695.8	1534.9	2055.0	4771.3	2798.4	3685.0
42	2.0	JARBIDGE	260.0	272.0	266.0	17.4	9.1	12.6	170.0	186.0	178.0	751.7	420.4	565.8	769.1	429.4	578.4
43	2.0	LONE PK	166.0	166.0	166.0	1034.9	1034.9	1034.9	219.0	219.0	219.0	107.5	107.5	107.5	1142.4	1142.4	1142.4
44	2.0	MT GRAFTON	90.0	96.0	93.0	7535.3	6724.3	7124.8	36.0	52.0	44.0	12569.8	10887.6	11775.1	20105.1	17611.8	18899.9
45	2.0	FARSOEGANS	104.0	112.0	108.0	5711.4	4788.1	5237.9	48.0	56.0	52.0	11341.2	10418.1	10887.6	17052.5	15206.1	16125.5
46	1.0	SOPAHROCS	130.0	134.0	132.0	17.4	11.3	14.0	120.0	130.0	125.0	40.2	14.5	24.4	57.6	25.8	38.4
47	1.0	EASTPAHRAN	148.0	154.0	151.0	2.3	1.1	1.6	140.0	146.0	143.0	4.8	2.4	3.4	7.1	3.5	5.0
48	1.0	MADSCARPS	142.0	148.0	145.0	4.6	2.3	3.2	140.0	146.0	143.0	4.8	2.4	3.4	9.4	4.6	6.6
49	1.0	LOPAHRANLK	142.0	148.0	145.0	4.6	2.3	3.2	140.0	146.0	143.0	4.8	2.4	3.4	9.4	4.6	6.6
50	1.0	FW123	146.0	180.0	163.0	2.9	0.0	0.3	154.0	204.0	179.0	0.9	0.0	0.0	3.8	0.0	0.4
51	1.0	GRPVINESPR	100.0	114.0	107.0	290.7	85.6	160.9	18.0	144.0	81.0	12569.8	3.0	985.7	12860.5	88.6	1146.6
52	2.0	MEADOW VAL	120.0	130.0	135.0	3962.0	1733.6	2681.7	148.0	172.0	160.0	1334.9	701.0	1052.6	5496.8	2434.6	3734.3
53	2.0	MORMON MTS	120.0	140.0	130.0	3962.0	2330.6	3069.9	152.0	172.0	162.0	1358.0	701.0	985.7	5319.9	3031.6	4055.6
54	1.0	PENN CYN	144.0	144.0	144.0	3.6	3.6	3.6	152.0	152.0	152.0	1.2	1.2	1.2	4.8	4.8	4.8
55	2.0	GRAN SPR	88.0	96.0	92.0	7814.1	6724.3	7260.6	38.0	44.0	41.0	12381.4	11775.1	12085.5	20195.4	18499.4	19346.1

EFFECT INDEX OF BASING ALTERNATIVES ON WILDERNESS AREAS

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO.	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	1.0	FISH SPR	88.0	104.0	96.0	730.0	208.3	400.3	208.0	224.0	216.0	0.0	0.0	0.0	730.0	208.3	400.3
2	2.0	CONGER MT	64.0	74.0	70.0	11041.3	9848.8	10445.1	176.0	188.0	182.0	517.0	331.0	415.2	11558.2	10179.9	10860.3
3	2.0	DEEP CREEK	104.0	128.0	116.0	5711.4	3235.9	4362.6	208.0	234.0	221.0	147.9	49.7	83.5	5858.9	3281.5	4446.1
1	1.0	KING TOP	38.0	58.0	48.0	9591.9	4362.6	6724.3	160.0	176.0	168.0	0.4	0.0	0.1	9592.3	4362.6	6724.4
5	1.0	WAH WAH MT	28.0	44.0	36.0	12509.0	7814.1	10146.7	140.0	156.0	148.0	4.1	0.6	1.6	12509.1	7814.7	10148.3
6	1.0	NOTCH PK	48.0	62.0	55.0	6724.3	3586.4	5010.0	176.0	192.0	184.0	0.0	0.0	0.0	6724.3	3586.4	5010.0
7	1.0	HOWELL PK	62.0	70.0	66.0	3586.4	2330.6	2910.1	186.0	194.0	190.0	0.0	0.0	0.0	3586.4	2330.6	2910.1
8	1.0	SHABEY MT	64.0	82.0	73.0	3239.9	1107.0	1936.2	194.0	208.0	201.0	0.0	0.0	0.0	3239.9	1107.0	1936.2
9	1.0	LTL SAHARA	94.0	102.0	98.0	467.5	246.5	341.7	238.0	248.0	243.0	0.0	0.0	0.0	467.5	246.5	341.7
10	3.0	PINE VALLE	64.0	80.0	72.0	14301.6	12882.6	13613.0	88.0	100.0	94.0	8582.3	7748.6	8168.6	22884.9	20631.2	21781.7
11	2.0	ARC DOME	216.0	232.0	224.0	147.4	70.9	102.9	182.0	200.0	191.0	415.2	205.9	294.8	562.6	276.8	397.7
12	1.0	ROBERTS MT	200.0	212.0	207.0	0.0	0.0	0.0	220.0	228.0	224.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	RAWHIDE	182.0	196.0	189.0	0.0	0.0	0.0	124.0	138.0	131.0	22.9	5.1	11.1	23.0	5.1	11.1
14	2.0	KANICH	184.0	200.0	192.0	544.1	290.7	400.3	104.0	124.0	114.0	4044.5	2939.7	3237.8	4588.6	2830.4	3638.1
15	1.0	ANTELOPE	170.0	186.0	178.0	0.1	0.0	0.0	150.0	176.0	163.0	1.3	0.0	0.2	1.4	0.1	0.3
16	1.0	PALISADE M	158.0	176.0	167.0	0.6	0.1	0.2	112.0	132.0	122.0	72.9	9.9	28.0	73.5	10.0	28.2
17	1.0	THE WALL	158.0	176.0	167.0	0.6	0.1	0.2	112.0	132.0	122.0	72.9	9.9	28.0	73.5	10.0	28.2
18	1.0	PARK RANGE	80.0	82.0	81.0	1263.5	1107.0	1183.1	152.0	160.0	156.0	1.0	0.4	0.6	1264.5	1107.3	1183.7
19	2.0	MOREY	182.0	176.0	179.0	586.3	730.0	654.8	140.0	148.0	144.0	1690.4	1304.6	1469.8	2236.7	2034.7	2124.6
20	1.0	S REVEILLE	176.0	180.0	178.0	0.1	0.0	0.0	94.0	94.0	94.0	331.0	331.0	331.0	331.1	331.1	331.1
21	2.0	QUINN	144.0	160.0	152.0	2079.5	1263.5	1630.0	88.0	104.0	96.0	5533.5	4044.5	4761.8	7609.0	5308.0	6391.8
22	1.0	WEEPAHEPRG	110.0	124.0	117.0	123.4	32.4	64.5	68.0	86.0	77.0	1847.2	595.9	1084.4	1970.6	628.3	1148.9
23	1.0	GRANT RG	128.0	142.0	135.0	21.5	4.6	10.1	96.0	112.0	104.0	283.5	72.9	147.3	304.9	77.5	157.7
24	1.0	BLUE EAGLE	124.0	138.0	131.0	32.4	7.2	15.6	110.0	132.0	121.0	87.4	9.9	31.0	119.8	17.2	46.6
25	1.0	RIORDANS W	124.0	138.0	131.0	32.4	7.2	15.6	110.0	132.0	121.0	87.4	9.9	31.0	119.8	17.2	46.6
26	2.0	RUBY MTNS	190.0	204.0	197.0	432.8	246.5	328.3	246.0	266.0	256.0	25.4	8.9	15.2	458.1	255.4	343.5
27	1.0	GOSHUECYN	146.0	152.0	149.0	2.9	1.4	2.0	214.0	226.0	220.0	0.0	0.0	0.0	2.9	1.4	2.0
28	2.0	SO EGAN	102.0	112.0	107.0	5956.6	4788.1	5354.1	118.0	142.0	130.0	2945.3	1538.1	2173.9	8901.9	6346.2	7528.0
29	1.0	DELAMARNTS	126.0	146.0	136.0	26.4	2.9	9.1	12.0	34.0	23.0	11498.9	7607.9	9826.7	11525.3	7610.8	9835.8
30	1.0	FORTIRANGE	76.0	84.0	80.0	1630.0	946.7	1263.5	116.0	128.0	122.0	50.2	15.2	28.0	1680.2	981.9	1291.5
31	2.0	WHITE ROCK	56.0	64.0	60.0	12503.0	11338.1	11926.7	102.0	110.0	106.0	4218.1	3947.8	3874.8	16723.1	14885.9	15801.5
32	2.0	PARSNIP PK	68.0	86.0	77.0	10743.4	8096.5	9403.9	80.0	102.0	91.0	6346.9	4218.1	5238.5	17090.3	12314.7	14642.4
33	1.0	FAR S EGAN	100.0	108.0	104.0	290.7	147.4	208.3	108.0	120.0	114.0	104.4	34.2	60.6	395.1	181.6	268.9
34	1.0	DNMR	140.0	204.0	172.0	5.8	0.0	0.1	2.0	4.0	3.0	12175.1	12115.6	12130.3	12180.9	12115.6	12130.4
35	1.0	ARROW CYN	152.0	162.0	157.0	1.4	0.4	0.7	2.0	8.0	5.0	12175.1	11880.6	12071.2	12176.5	11880.9	12071.9
36	3.0	ZION NP	62.0	98.0	80.0	14466.0	11140.4	12882.6	102.0	128.0	115.0	7607.9	5800.8	6694.3	22073.9	16941.1	19576.9
37	3.0	CEDAR BRKS	52.0	56.0	54.0	15233.5	14938.0	15087.8	126.0	130.0	128.0	5935.9	5666.6	5800.8	21169.5	20604.6	20888.5
38	3.0	ASHDOWN	50.0	56.0	53.0	15375.1	14938.0	15161.2	124.0	130.0	127.0	6072.1	5666.6	5868.2	21447.2	20604.6	21029.4
39	2.0	RED CYN NO	56.0	60.0	58.0	12505.0	11926.7	12217.4	156.0	162.0	159.0	1017.9	837.8	924.3	13522.9	12764.6	13141.8
40	3.0	BRYCE CYN	70.0	78.0	74.0	13789.5	13068.6	13433.9	154.0	168.0	161.0	4159.8	3390.7	3764.0	17949.3	16459.2	17197.9
41	1.0	TABLE MTN	72.0	80.0	76.0	2075.5	1263.5	1630.0	108.0	122.0	115.0	104.4	28.0	55.2	2179.9	1291.5	1685.2
42	2.0	JARBIDGE	260.0	272.0	266.0	17.4	9.1	12.6	340.0	358.0	349.0	0.1	0.0	0.0	17.5	9.1	12.7
43	2.0	LONE PK	166.0	166.0	166.0	1034.9	1034.9	1034.9	306.0	306.0	306.0	0.9	0.9	0.9	1035.8	1035.8	1035.8
44	2.0	MT GRAFTON	90.0	96.0	93.0	7533.3	6724.3	7124.8	116.0	132.0	124.0	3089.4	2060.7	2539.7	10624.7	8785.0	9664.5
45	2.0	FARGOEGANS	104.0	112.0	108.0	5711.4	4788.1	5237.9	112.0	120.0	116.0	3390.7	2805.7	3089.4	9102.0	7593.7	8327.3
46	1.0	SOPAHROCS	130.0	134.0	132.0	17.4	11.3	14.0	44.0	56.0	50.0	5533.5	3390.7	4393.7	5550.9	3402.0	4409.7
47	1.0	EASTPAHRAN	148.0	154.0	151.0	2.3	1.1	1.6	36.0	42.0	39.0	7185.4	5935.9	6554.9	7187.6	5937.0	6556.4
48	1.0	MADSCARPS	142.0	148.0	145.0	4.6	2.3	3.2	32.0	34.0	33.0	8029.1	7607.9	7818.8	8033.6	7610.2	7822.1
49	1.0	LOPAHRANLK	142.0	148.0	145.0	4.6	2.3	3.2	32.0	34.0	33.0	8029.1	7607.9	7818.8	8033.6	7610.2	7822.1
50	1.0	FW123	146.0	180.0	163.0	2.9	0.0	0.3	0.0	2.0	1.0	12195.0	12175.1	12190.0	12197.9	12175.1	12190.4
51	1.0	GRPVINESPR	100.0	114.0	107.0	290.7	85.6	160.9	44.0	56.0	50.0	5533.5	3390.7	4395.7	5824.2	3476.2	4556.6
52	2.0	MEADOW VAL	120.0	150.0	135.0	3962.0	1733.4	2681.7	8.0	40.0	24.0	12113.6	10358.0	11498.9	16077.6	12091.6	14180.5
53	2.0	MORMON MTS	120.0	140.0	130.0	3962.0	2330.6	3069.9	20.0	40.0	30.0	11707.3	10358.0	11124.9	15669.2	12688.6	14194.8
54	1.0	PENN CYN	144.0	144.0	144.0	3.6	3.6	3.6	20.0	20.0	20.0	10358.0	10358.0	10358.0	10361.6	10361.6	10361.6
55	2.0	GRAN SPR	88.0	96.0	92.0	7814.1	6724.3	7260.6	188.0	192.0	190.0	331.0	283.5	306.5	8145.1	7007.7	7567.0

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON WILDERNESS AREAS

NO.	LOCATION NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
1	FISH SPR	1.0	303.8	3.8	4346.3	867.2	5.1	1262.9	400.3
2	CONGER MT	2.0	8471.6	3079.7	9784.3	15919.4	6398.3	20381.4	10860.3
3	DEEP CREEK	2.0	3420.6	1250.6	6882.1	10457.1	1590.1	13313.1	4446.1
4	KING TOP	1.0	5104.0	584.5	3303.9	2944.6	771.5	8897.4	6724.4
5	WAH WAH MT	1.0	7703.6	2170.8	1379.1	3428.9	2864.7	10712.5	10148.3
6	NOTCH PK	1.0	3802.7	183.7	5767.2	1228.2	242.5	5995.7	3010.0
7	HOWELL PK	1.0	2208.8	76.7	6431.3	1224.5	101.3	4033.3	2910.1
8	SWASEY MT	1.0	1484.8	29.5	7587.3	901.1	39.0	2818.4	1956.2
9	LTL SAHARA	1.0	259.3	0.8	10813.1	9.5	1.1	350.1	341.7
10	PINE VALLE	3.0	21027.7	23198.3	16036.5	21677.5	24674.8	18784.4	21781.7
11	ARC DOME	2.0	464.1	505.9	398.4	2271.8	493.1	2216.4	397.7
12	ROBERTS MT	1.0	0.0	0.0	0.0	565.8	0.0	565.8	0.0
13	RAWHIDE	1.0	14.5	15.0	14.5	86.5	11.8	85.7	11.1
14	KAWICH	2.0	4543.2	5416.9	4285.9	4321.4	4792.4	3167.2	3638.1
15	ANTELOPE	1.0	0.3	0.5	0.3	633.5	0.5	633.3	0.3
16	PALISADE M	1.0	36.9	42.8	36.7	397.4	36.0	389.7	28.2
17	THE WALL	1.0	36.9	42.8	36.7	397.4	36.0	389.7	28.2
18	PARK RANGE	1.0	898.8	1.1	0.8	986.2	1.1	2168.8	1183.7
19	MOREY	2.0	2421.4	2962.0	2070.0	7532.6	2829.6	6817.7	2124.6
20	S REVEILLE	1.0	433.5	439.5	433.4	32.4	339.0	24.4	331.1
21	QUINN	2.0	7471.8	9721.9	6328.5	10539.6	9363.6	7565.7	6391.8
22	WEEPAHSPRG	1.0	1468.8	2561.0	1419.9	1995.1	2591.0	553.0	1148.9
23	GRANT RG	1.0	200.9	303.0	1072.5	1342.6	292.5	1207.7	157.7
24	BLUE EAGLE	1.0	52.4	124.5	40.7	3575.9	141.9	3480.7	46.6
25	RIORDANS W	1.0	52.4	124.5	40.7	3575.9	141.9	3480.7	46.6
26	RUBY MTNS	2.0	269.1	116.1	620.9	6062.7	142.1	6264.0	343.5
27	GOSHUECYN	1.0	1.9	0.1	13.4	4758.3	0.1	4760.2	2.0
28	SO EGAN	2.0	6910.2	7567.2	4751.1	18613.7	8406.3	17735.5	7528.0
29	DELAMARMTS	1.0	12873.1	13937.5	12866.2	1417.3	11241.0	12.1	9835.8
30	FORTIRANGE	1.0	995.7	1409.7	79.0	6176.4	1840.6	5627.3	1291.5
31	WHITE ROCK	2.0	14125.9	15884.3	8068.7	22974.2	18147.2	20628.6	13801.5
32	PARSNIP PK	2.0	13996.5	17296.9	9108.6	20644.1	19018.5	16868.0	14642.4
33	FAR S EGAN	1.0	237.5	463.7	82.6	4945.3	832.0	4382.2	268.9
34	DNWR	1.0	15908.5	15972.2	15908.5	94.3	12234.5	0.2	12190.4
35	ARROW CYN	1.0	15805.5	16180.9	15804.9	496.4	12367.6	0.8	12071.9
36	ZION NP	3.0	18543.0	20274.8	13762.7	18945.4	21889.3	16633.0	19576.9
37	CEDAR BRKS	3.0	19046.8	19254.6	14253.2	20017.2	21193.4	19712.4	20888.5
38	ASHDOWN	3.0	19190.9	19485.0	13816.0	20406.0	21448.4	19986.9	21029.4
39	RED CYN NO	2.0	10483.5	8550.1	4927.2	17524.4	10614.2	20032.0	13141.8
40	BRYCE CYN	3.0	15124.7	16343.7	11310.5	18373.0	19098.4	16472.3	17197.9
41	TABLE MTN	1.0	1309.5	3024.9	110.6	5953.0	3953.2	3685.0	1685.2
42	JARBIDGE	2.0	9.6	2.5	81.8	569.0	3.2	578.4	12.7
43	LONE PK	2.0	786.6	126.4	5553.5	272.8	166.2	1142.4	1035.8
44	MT GRAFTON	2.0	8733.1	9572.2	5963.3	20022.2	10786.7	18899.9	9664.5
45	FARSOEGANS	2.0	8020.6	9455.9	5645.6	18030.9	10232.7	16125.5	8327.3
46	SOPAHROCS	1.0	5765.9	6580.3	5755.3	1113.5	5484.8	38.4	4409.7
47	EASTPAHRAN	1.0	8583.5	8880.7	8582.4	397.3	6948.7	5.0	6556.4
48	MADSCARPS	1.0	10239.7	10585.7	10237.3	463.3	8278.8	6.6	7822.1
49	LOPAHRANLK	1.0	10239.7	10585.7	10237.3	463.3	8278.8	6.6	7822.1
50	FW123	1.0	15960.7	16113.8	15960.5	205.0	12395.0	0.4	12190.4
51	GRPVINESPR	1.0	5877.4	10964.7	5755.3	7863.0	11272.9	1146.6	4556.6
52	MEADOW VAL	2.0	17091.0	22395.5	15296.1	10742.5	21188.7	3734.3	14180.5
53	MORMON MTS	2.0	16896.0	22350.2	14806.5	11262.1	21401.4	4055.6	14194.8
54	PENN CYN	1.0	13564.6	14105.9	13561.8	719.4	11076.2	4.8	10361.6
55	GRAN SPR	2.0	3912.1	3211.6	6832.5	13795.7	4016.6	19346.1	7367.0

WILDERNESS AREAS RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
PINE VALLE	21027.7	PINE VALLE	23198.3	PINE VALLE	16036.5	WHITE ROCK	22974.2	PINE VALLE	24674.8	WHITE ROCK	20628.6	PINE VALLE	21781.7
ASHDOWN	19190.9	MEADOW VAL	22395.5	FW123	15960.5	PINE VALLE	21677.5	ZION NP	21889.3	CONGER MT	20381.4	ASHDOWN	21029.4
CEDAR BRKS	19046.8	MORMON MTS	22350.2	DNWR	15908.5	PARSNIP PK	20644.1	ASHDOWN	21448.4	RED CYN NO	20032.0	CEDAR BRKS	20888.5
ZION NP	18543.0	ZION NP	20274.8	ARROW CYN	15804.9	ASHDOWN	20406.0	MORMON MTS	21401.4	ASHDOWN	19986.9	ZION NP	19576.9
MEADOW VAL	17091.0	ASHDOWN	19485.0	MEADOW VAL	15296.1	MT GRAFTON	20022.2	CEDAR BRKS	21193.4	CEDAR BRKS	19712.4	BRYCE CYN	17197.9
MORMON MTS	16896.0	CEDAR BRKS	19254.6	MORMON MTS	14806.5	CEDAR BRKS	20017.2	MEADOW VAL	21188.7	GRAN SPR	19346.1	WHITE ROCK	15801.5
FW123	15960.7	PARSNIP PK	17296.9	CEDAR BRKS	14253.2	ZION NP	18945.4	BRYCE CYN	19098.4	MT GRAFTON	18899.9	PARSNIP PK	14642.4
DNWR	15908.5	BRYCE CYN	16343.7	ASHDOWN	13816.0	SO EGAN	18613.7	PARSNIP PK	19018.5	PINE VALLE	18784.4	MORMON MTS	14194.8
ARROW CYN	15805.5	ARROW CYN	16180.9	ZION NP	13762.7	BRYCE CYN	18373.0	WHITE ROCK	18147.2	SO EGAN	17735.5	MEADOW VAL	14180.5
BRYCE CYN	15124.7	FW123	16113.8	PENN CYN	13561.8	FARSOEGANS	18030.9	ARROW CYN	12367.6	ZION NP	16633.0	RED CYN NO	13141.8
WHITE ROCK	14125.9	DNWR	15972.2	DELAMARMTS	12866.2	RED CYN NO	17524.4	FW123	12395.0	BRYCE CYN	16472.3	FW123	12190.4
PARSNIP PK	13996.5	WHITE ROCK	15884.3	BRYCE CYN	11310.5	CONGER MT	15919.4	DNWR	12234.5	PARSNIP PK	16868.0	DNWR	12190.4
PENN CYN	13564.6	PENN CYN	14105.9	LTL SAHARA	10813.1	GRAN SPR	13795.7	GRPVINESPR	11272.9	FARSOEGANS	16125.5	ARROW CYN	12071.9
DELAMARMTS	12873.1	DELAMARMTS	13937.5	MADSCARPS	10237.3	MORMON MTS	11262.1	DELAMARMTS	11241.0	DEEP CREEK	13313.1	CONGER MT	10860.3
RED CYN NO	10483.5	GRPVINESPR	10964.7	MADSCARPS	10237.3	MEADOW VAL	10742.5	PENN CYN	11076.2	WAH WAH MT	10712.5	PENN CYN	10361.6
MADSCARPS	10239.7	MADSCARPS	10585.7			QUINN	10539.6	MT GRAFTON	10786.7			WAH WAH MT	10148.3
MADSCARPS	10239.7	MADSCARPS	10585.7			DEEP CREEK	10457.1	RED CYN NO	10614.2				
								FARSOEGANS	10232.7				

Ranking of alternatives by mean combined effect index, standard deviation and standard error for 55 wilderness areas.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	2	Coyote Delta	6,158	5,495	741	1
2	6	Milford Coyote	6,477	6,502	877	2
3	5	Milford Ely	6,484	7,370	994	3
4	0	Coyote Milford	6,625	6,634	894	4
5	4	Beryl Coyote	6,762	7,597	1,024	5
6	3	Beryl Ely	6,768	7,609	1,026	6
7	1	Coyote Beryl	6,835	7,575	1,021	7

3960

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF. NATURAL AREAS

ALTERNATIVE NO 0
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: MILFORD LONG TERM POP. 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	2.0	WHEELER PK	132.0	144.0	138.0	2498.1	1924.4	2287.0	63.0	75.0	69.0	8718.1	7362.6	8041.2	11416.2	9287.0	10328.3
2	3.0	LEHMAN CAV	140.0	140.0	140.0	6364.2	6364.2	6364.2	75.0	75.0	75.0	10127.9	10127.9	10127.9	16492.1	16492.1	16492.1
3	1.0	GANDY CAVE	196.0	196.0	196.0	0.0	0.0	0.0	85.0	85.0	85.0	684.8	684.8	684.8	684.8	684.8	684.8
4	2.0	G B N P	132.0	160.0	146.0	2498.1	1171.5	1813.8	79.0	66.0	72.5	6914.1	8380.5	7644.9	9612.2	9552.0	9438.7
5	2.0	LEX ARCH	132.0	132.0	132.0	2498.1	2498.1	2498.1	63.0	63.0	63.0	8718.1	8718.1	8718.1	11416.2	11416.2	11416.2
6	1.0	DRES	140.0	152.0	146.0	3.4	1.3	2.7	43.0	43.0	43.0	6143.4	6143.4	6143.4	6150.7	6146.7	6148.0
7	1.0	FISH SPR	224.0	230.0	227.0	0.0	0.0	0.0	108.0	114.0	111.0	111.9	63.0	85.6	111.9	63.0	85.6
8	1.0	FUR BUTTE	219.0	219.0	219.0	0.0	0.0	0.0	85.0	85.0	85.0	684.8	684.8	684.8	684.8	684.8	684.8
9	1.0	TOPAZ	213.0	313.0	264.0	0.0	0.0	0.0	85.0	89.0	87.0	684.8	315.5	395.1	684.8	315.5	395.1
10	1.0	CLEAR LAKE	199.0	207.0	203.0	0.0	0.0	0.0	63.0	71.0	67.0	2586.7	1670.0	2092.1	2586.7	1670.0	2092.1
11	1.0	DEER HAB A	203.0	219.0	211.0	0.0	0.0	0.0	67.0	83.0	75.0	2092.1	785.5	1315.8	2092.1	785.5	1315.8
12	2.0	ANT SPR TR	204.0	212.0	208.0	228.5	162.7	193.2	73.0	81.0	77.0	7588.4	6692.0	7137.7	7816.9	6854.7	7330.9
13	1.0	STEAMBOAT	112.0	112.0	112.0	95.4	95.4	95.4	48.0	48.0	48.0	5103.8	5103.8	5103.8	5199.2	5199.2	5199.2
14	3.0	CEDAR BRKS	132.0	132.0	132.0	7249.1	7249.1	7249.1	56.0	56.0	56.0	11338.2	11338.2	11338.2	18583.2	18583.2	18583.2
15	3.0	BRYCE CYN	156.0	172.0	164.0	5295.5	4173.9	4715.0	72.0	80.0	76.0	10332.5	9778.1	10058.8	13628.0	13952.0	14773.8
16	1.0	DEER HAB B	128.0	144.0	136.0	19.9	3.4	8.4	46.0	46.0	46.0	5510.9	5510.9	5510.9	5530.8	5514.2	5519.3
17	3.0	ZION NP	106.0	120.0	113.0	9592.2	8310.0	8948.0	56.0	88.0	72.0	11338.2	9199.9	10332.5	20930.4	17509.9	19280.5
18	2.0	RED MTNS	72.0	80.0	76.0	9407.9	8310.0	8856.4	90.0	95.0	92.5	5719.4	5204.3	5459.2	15127.3	13514.3	14315.6
19	1.0	JOSHUA TR	64.0	64.0	64.0	3000.2	3000.2	3000.2	108.0	108.0	108.0	111.9	111.9	111.9	3112.1	3112.1	3112.1
20	1.0	DEER HAB C	68.0	84.0	76.0	2418.6	896.3	1511.3	80.0	96.0	88.0	939.0	303.8	554.1	3377.6	1200.1	2065.4
21	1.0	RIP ARCH	70.0	70.0	70.0	2160.9	2160.9	2160.9	92.0	92.0	92.0	413.0	413.0	413.0	2573.9	2573.9	2573.9
22	2.0	RUBY MTNS	252.0	268.0	260.0	24.5	10.5	16.1	196.0	204.0	200.0	239.3	187.1	220.6	283.8	197.6	236.8
23	3.0	RUBY LAKE	232.0	248.0	240.0	1390.3	981.4	1171.5	176.0	184.0	180.0	3207.8	2815.0	3007.2	4598.1	3796.4	4178.7
24	1.0	FRANK LK	248.0	232.0	290.0	0.0	0.0	0.0	184.0	190.0	187.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	IND PEAK	112.0	118.0	115.0	95.4	54.3	72.3	36.0	40.0	38.0	7701.5	6802.8	7250.0	7796.9	6857.1	7322.3
26	1.0	LUN CRATER	120.0	120.0	120.0	44.7	44.7	44.7	144.0	144.0	144.0	0.2	0.2	0.2	44.9	44.9	44.9
27	1.0	HICKS STN	156.0	156.0	156.0	0.8	0.8	0.8	176.0	176.0	176.0	0.0	0.0	0.0	0.8	0.8	0.8
28	2.0	MOREY PK	140.0	148.0	144.0	2160.9	1708.2	1924.4	174.0	180.0	177.0	595.1	479.2	534.5	2756.0	2187.3	2458.9
29	1.0	NV MN RGE	80.0	100.0	90.0	1171.5	269.5	585.3	168.0	184.0	176.0	0.1	0.0	0.0	1171.6	269.5	585.4
30	2.0	ARC DOME	192.0	192.0	192.0	371.2	371.2	371.2	232.0	232.0	232.0	53.8	53.8	53.8	425.0	425.0	425.0
31	2.0	ICTHY SITE	204.0	204.0	204.0	228.5	228.5	228.5	252.0	252.0	252.0	20.0	20.0	20.0	248.6	248.6	248.6
32	1.0	RSTS MTNS	214.0	226.0	220.0	0.0	0.0	0.0	198.0	212.0	205.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.0	DIA PUNCH	186.0	186.0	186.0	467.8	467.8	467.8	208.0	208.0	208.0	158.1	158.1	158.1	626.0	626.0	626.0
34	1.0	GOLD JOSH	140.0	140.0	140.0	5.4	5.4	5.4	236.0	236.0	236.0	0.0	0.0	0.0	5.4	5.4	5.4
35	3.0	DEATH VAL	112.0	124.0	118.0	9039.8	7950.2	8491.4	236.0	248.0	242.0	1045.5	803.4	918.0	10085.3	8753.6	9409.4
36	2.0	WHITE MTN	192.0	204.0	198.0	371.2	228.5	292.3	288.0	296.0	292.0	2.8	1.7	2.2	373.9	230.3	294.5
37	1.0	HOT CRK RG	124.0	148.0	136.0	30.0	2.1	8.4	176.0	192.0	184.0	0.0	0.0	0.0	30.1	2.1	8.4
38	1.0	SARCOB FLT	114.0	126.0	120.0	79.3	24.5	44.7	232.0	240.0	236.0	0.0	0.0	0.0	79.3	24.5	44.7
39	2.0	DTH VAL OV	152.0	158.0	155.0	1311.3	1250.0	1273.7	260.0	268.0	264.0	13.2	8.6	10.7	1324.5	1258.6	1286.4
40	1.0	LEV CAVE	72.0	72.0	72.0	1924.4	1924.4	1924.4	148.0	148.0	148.0	1.7	1.7	1.7	1926.1	1926.1	1926.1
41	2.0	TROY PEAK	92.0	112.0	102.0	6731.9	4439.4	5522.8	136.0	144.0	140.0	1979.9	1575.4	1769.0	8711.8	6014.8	7291.8
42	2.0	RR VAL WPA	120.0	124.0	122.0	3673.5	3325.2	2496.5	140.0	152.0	146.0	1769.0	1237.2	1484.8	5442.4	4562.4	4981.3
43	1.0	LOCKES RCH	128.0	128.0	128.0	19.9	19.9	19.9	152.0	152.0	152.0	1.0	1.0	1.0	21.0	21.0	21.0
44	1.0	DUCK H20	148.0	148.0	148.0	2.1	2.1	2.1	152.0	152.0	152.0	1.0	1.0	1.0	3.1	3.1	3.1
45	1.0	HEUBSER MT	184.0	184.0	184.0	0.0	0.0	0.0	136.0	136.0	136.0	6.9	6.9	6.9	6.9	6.9	6.9
46	1.0	WILD GRANS	200.0	200.0	200.0	0.0	0.0	0.0	232.0	232.0	232.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1.0	MT JEFF	172.0	172.0	172.0	0.1	0.1	0.1	216.0	216.0	216.0	0.0	0.0	0.0	0.1	0.1	0.1
48	1.0	GOSH CAVE	224.0	224.0	224.0	0.0	0.0	0.0	152.0	152.0	152.0	1.0	1.0	1.0	1.0	1.0	1.0
49	1.0	GOSH CYN	220.0	220.0	220.0	0.0	0.0	0.0	148.0	148.0	148.0	1.7	1.7	1.7	1.7	1.7	1.7
50	1.0	HERC GAP	172.0	172.0	172.0	0.1	0.1	0.1	132.0	132.0	132.0	10.7	10.7	10.7	10.7	10.7	10.7
51	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2498.1	3325.2	90.0	96.0	93.0	5719.4	5103.8	5407.8	9764.3	7802.0	8733.1
52	1.0	WHIPL CAVE	116.0	116.0	116.0	63.8	63.8	63.8	104.0	104.0	104.0	138.1	138.1	138.1	223.9	223.9	223.9
53	2.0	HILND RNG	68.0	76.0	72.0	9961.1	8856.4	9407.9	90.0	96.0	93.0	5719.4	5103.8	5407.8	15680.5	13960.2	14815.7
54	2.0	MT MORIAH	162.0	180.0	171.0	1097.0	383.3	608.0	80.0	96.0	88.0	6802.8	5103.8	5931.0	7899.8	5689.1	6738.9
55	1.0	SHMP CEDAR	138.0	146.0	142.0	6.7	2.7	4.3	84.0	84.0	84.0	733.7	733.7	733.7	740.5	736.4	738.0
56	1.0	SPR VAL FL	132.0	134.0	133.0	1.3	1.0	1.1	94.0	98.0	96.0	354.8	259.3	303.8	356.1	260.3	305.0
57	1.0	SHOS PYGMY	152.0	152.0	152.0	1.3	1.3	1.3	92.0	92.0	92.0	413.0	413.0	413.0	414.3	414.3	414.3
58	1.0	SPR VAL SH	140.0	144.0	142.0	5.4	3.4	4.3	82.0	82.0	82.0	840.2	840.2	840.2	845.6	843.6	844.5
59	1.0	SHOS PONDS	144.0	144.0	144.0	3.4	3.4	3.4	84.0	84.0	84.0	733.7	733.7	733.7	737.1	737.1	737.1
60	2.0	GLEASN CYN	76.0	84.0	80.0	8856.4	7772.0	8310.0	72.0	78.0	75.0	7701.5	7025.7	7362.6	16557.9	14797.7	15672.7
61	1.0	BIG SPRG	76.0	76.0	76.0	1911.3	1911.3	1911.3	76.0	76.0	76.0	1237.2	1237.2	1237.2	2748.5	2748.5	2748.5
62	2.0	CATH GORGE	72.0	72.0	72.0	9407.9	9407.9	9407.9	88.0	88.0	88.0	5931.0	5931.0	5931.0	15338.8	15338.8	15338.8
63	1.0	PR BIG SPR	142.0	142.0	142.0	4.3	4.3	4.3	120.0	120.0	120.0	36.6	36.6	36.6	40.9	40.9	40.9
64	1.0	MOR SPR FS	120.0	120.0	120.0	44.7	44.7	44.7	118.0	118.0	118.0	44.5	44.5	44.5	89.2	89.2	89.2
65	2.0	WYNE KIRCH	100.0	108.0	104.0	3755.3	4856.5	5295.5	110.0	120.0	115.0	3802.7	3007.2	3390.3	9557.9	7863.7	8685.7
66	1.0	HOT CRK SP	104.0	104.0	104.0	193.2	193.2	193.2	116.0	116.0	116.0	53.8	53.8	53.8	247.0	247.0	247.0
67	1.0	PAH VAL FS	40.0	52.0	46.0	8310.0	5295.5	6731.9	132.0	140.0	136.0	10.7	4.4	6.9	8320.7	5299.8	6738.7
68	1.0	PAH BONY	32.0	48.0	40.0	10912.5	6234.6	8310.0	136.0	140.0	138.0	6.9	4.4	5.5	10919.4	6239.0	8315.5
69	1.0	PAH LAKES	24.0	32.0	28.0	12621.8	10912.5	11594.4	140.0	142.0	141.0	4.4	3.5	3.9	12626.1	10916.0	11598.3
70	1.0	DNMR	2.0	56.0	29.0	15941.0	4439.4	11287.8	144.0	204.0	174.0	2.8	0.0	0.1	15943.7	4439.4	11287.8
71	1.0	MOA VA FSH	20.0	20.0	20.0	13561.8	13561.8	13561.8	152.0	152.0	152.0	1.0	1.0	1.0	13562.9	13562.9	13562.9
72	2.0	HEY PIT	48.0	48.0	48.0	12621.8	12621.8	12621.8	136.0	136.0	136.0	1979.9	1979.9	1979.9	14601.7	14601.7	14601.7
73	1.0	PUP FSH RP	70.0	88.0	79.0	2160.9	676.9	1290.0	212.0	232.0	222.0	0.0	0.0	0.0	2160.9	676.9	1290.0
74	2.0	BIG DUNE	96.0	96.0	96.0	6234.6	6234.6	6234.6	232.0	232.0	232.0	53.8	53.8	53.8	6288.4	6288.4	6288.4
75	3.0	PYRAMID LK	316.0	344.0	330.0	172.4	74.6	114.4	368.0	384.0	376.0	28.1	16.3	21.5	200.5	90.9	135.8
76	2.0	VAL FIRE	34.0	44.0	39.0	14190.4	12104.7	13671.6	156.0	164.0	160.0	1091.0	840.2	959.0	15281.4	12944.9	14630.6
77	1.0	VIRGIN R	44.0	44.0	44.0	7245.1	7245.1	7245.1	124.0	140.0	132.0	24.6	4.4	10.7	7269.6	7249.4	7255.7
78	1.0	VIRGIN MT	44.0	56.0	50.0	7245.1	4439.4	5755.3	128.0	152.0	140.0	16.3	1.0	4.4	7261.4	4440.5	5759.7
79	1.0	MORN MESA	36.0	42.0	39.0	9407.9	7772.0	8582.3	148.0	184.0	148.0	2.5	0.8	1.7	9411.3	7772.8	8584.1

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF. NATURAL AREAS

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: BERYL LONG TERM POP. 12834.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO.	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	2.0	WHEELER PK	132.0	144.0	138.0	2698.1	1924.4	2287.0	71.0	83.0	77.0	7673.0	6354.3	7008.3	10371.2	8278.7	9295.4
2	3.0	LEHMAN CAV	140.0	140.0	140.0	6364.2	6364.2	6364.2	83.0	83.0	83.0	9390.2	9390.2	9390.2	15954.5	15954.5	15954.5
3	1.0	GANDY CAVE	196.0	196.0	196.0	0.0	0.0	0.0	107.0	107.0	107.0	119.9	119.9	119.9	119.9	119.9	119.9
4	2.0	G B N P	132.0	160.0	146.0	2698.1	1171.5	1813.8	83.0	123.0	103.0	6354.3	2741.0	4347.3	9052.5	3912.5	6161.1
5	2.0	LEX ARCH	132.0	132.0	132.0	2698.1	2698.1	2698.1	71.0	71.0	71.0	7673.0	7673.0	7673.0	10371.2	10371.2	10371.2
6	1.0	DRES	140.0	152.0	146.0	5.4	1.3	2.7	51.0	51.0	51.0	4439.2	4439.2	4439.2	4444.5	4440.4	4441.8
7	1.0	FISH SPR	224.0	230.0	227.0	0.0	0.0	0.0	134.0	140.0	137.0	8.4	4.3	6.0	8.4	4.3	6.0
8	1.0	PUM BUTTE	219.0	219.0	219.0	0.0	0.0	0.0	122.0	122.0	122.0	29.5	29.5	29.5	29.5	29.5	29.5
9	1.0	TOPAZ	215.0	213.0	214.0	0.0	0.0	0.0	116.0	122.0	119.0	32.9	29.5	39.6	32.9	29.5	39.6
10	1.0	CLEAR LAKE	199.0	207.0	203.0	0.0	0.0	0.0	100.0	108.0	104.0	216.6	109.8	155.3	216.6	109.8	155.3
11	1.0	DEER HAB A	203.0	219.0	211.0	0.0	0.0	0.0	104.0	120.0	112.0	155.3	36.0	76.7	155.3	36.0	76.7
12	2.0	ANT SPR TR	204.0	212.0	208.0	228.5	162.7	193.2	104.0	112.0	108.0	4256.4	3568.3	3903.6	4485.0	3731.1	4096.8
13	1.0	STEAMBOAT	112.0	112.0	112.0	95.4	95.4	95.4	24.0	24.0	24.0	10145.2	10145.2	10145.2	10240.6	10240.6	10240.6
14	3.0	CEDAR BRKS	132.0	132.0	132.0	7245.1	7245.1	7245.1	48.0	48.0	48.0	11560.7	11560.7	11560.7	18805.7	18805.7	18805.7
15	3.0	BRYCE CYN	136.0	172.0	164.0	5295.5	4173.9	4715.0	80.0	88.0	84.0	9600.8	9033.1	9319.4	14896.3	13207.0	14034.4
16	1.0	DEER HAB B	128.0	144.0	136.0	19.9	3.4	8.4	40.0	46.0	43.0	6679.5	5410.9	6034.0	6699.4	5414.3	6042.4
17	3.0	ZION NP	106.0	120.0	113.0	9592.2	8310.0	8948.0	32.0	60.0	46.0	12231.6	10900.8	11659.7	21843.9	19210.8	20607.7
18	2.0	RED MTNS	72.0	80.0	76.0	9407.9	8310.0	8856.4	32.0	38.0	35.0	11560.7	11075.7	11326.0	20968.5	19385.7	20182.3
19	1.0	JOSHUA TR	64.0	64.0	64.0	3000.2	3000.2	3000.2	48.0	48.0	48.0	5011.3	5011.3	5011.3	8011.5	8011.5	8011.5
20	1.0	DEER HAB C	68.0	84.0	76.0	2418.6	896.3	1311.3	24.0	32.0	28.0	10145.2	8449.8	9319.4	12563.7	9346.1	10830.7
21	1.0	RIP ARCH	70.0	70.0	70.0	2160.9	2160.9	2160.9	30.0	30.0	30.0	8888.4	8888.4	8888.4	11049.3	11049.3	11049.3
22	2.0	RUBY MTNS	252.0	268.0	260.0	24.5	10.5	16.1	208.0	224.0	216.0	155.3	76.7	109.8	179.8	87.2	126.0
23	3.0	RUBY LAKE	232.0	248.0	240.0	1390.3	981.4	1171.5	188.0	196.0	192.0	2583.6	2247.6	2411.5	3973.9	3229.0	3583.0
24	1.0	FRANK LK	248.0	252.0	250.0	0.0	0.0	0.0	202.0	208.0	205.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	IND PEAK	112.0	118.0	115.0	95.4	54.3	72.3	26.0	30.0	28.0	9739.4	8888.4	9319.4	9834.8	8942.8	9391.7
26	1.0	LUN CRATER	120.0	120.0	120.0	44.7	44.7	44.7	140.0	140.0	140.0	4.3	4.3	4.3	49.0	49.0	49.0
27	1.0	HICKS STN	156.0	156.0	156.0	0.8	0.8	0.8	160.0	160.0	160.0	0.4	0.4	0.4	1.1	1.1	1.1
28	2.0	MOREY P	140.0	148.0	144.0	2160.9	1708.2	1924.4	154.0	160.0	157.0	1141.2	941.6	1037.6	3302.1	2649.8	2962.0
29	1.0	NV WH R..	80.0	100.0	90.0	1171.5	269.5	583.3	140.0	160.0	150.0	4.3	0.4	1.3	1175.8	269.9	586.6
30	2.0	ARC DOME	192.0	192.0	192.0	371.2	371.2	371.2	212.0	212.0	212.0	130.8	130.8	130.8	502.0	502.0	502.0
31	2.0	ICTHY SITE	204.0	204.0	204.0	228.5	228.5	228.5	228.0	228.0	228.0	63.8	63.8	63.8	292.3	292.3	292.3
32	1.0	RBTS MTNS	214.0	226.0	220.0	0.0	0.0	0.0	192.0	208.0	200.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.0	DIA PUNCH	184.0	184.0	184.0	467.8	447.8	467.8	188.0	188.0	188.0	348.4	348.4	348.4	816.2	816.2	816.2
34	1.0	GOLD JOSH	140.0	140.0	140.0	5.4	5.4	5.4	200.0	200.0	200.0	0.0	0.0	0.0	5.4	5.4	5.4
35	3.0	DEATH VAL	112.0	124.0	118.0	9039.8	7930.2	8491.4	192.0	208.0	200.0	2411.5	1804.0	2091.8	11451.3	9734.2	10583.2
36	2.0	WHITE MTN	192.0	204.0	198.0	371.2	228.5	292.3	256.0	268.0	262.0	16.0	8.4	11.7	387.2	237.0	304.0
37	1.0	HOT CRK RG	124.0	148.0	136.0	30.0	2.1	8.4	148.0	164.0	156.0	1.7	0.2	0.6	31.7	2.3	9.0
38	1.0	SARCOB FLT	114.0	126.0	120.0	79.3	24.5	44.7	192.0	200.0	196.0	0.0	0.0	0.0	79.3	24.5	44.7
39	2.0	DTH VAL OV	152.0	158.0	155.0	1311.3	1250.0	1273.7	224.0	232.0	228.0	76.7	52.9	63.8	1388.0	1302.9	1439.5
40	1.0	LEV CAVE	72.0	72.0	72.0	1924.4	1924.4	1924.4	110.0	110.0	110.0	91.9	91.9	91.9	2014.3	2016.3	2016.3
41	2.0	TROY PEAK	92.0	112.0	102.0	4731.9	4439.4	5922.8	106.0	116.0	111.0	4077.8	3251.2	3650.5	7	7690.7	9173.3
42	2.0	RR VAL WRA	120.0	124.0	122.0	3673.5	3325.2	3496.5	120.0	128.0	124.0	2952.7	2411.5	2672.8	6626.1	5736.8	6169.2
43	1.0	LOCKES RCH	128.0	128.0	128.0	19.9	19.9	19.9	130.0	129.2	129.6	13.0	14.1	13.5	32.9	34.0	33.4
44	1.0	DUCK H2O	148.0	148.0	148.0	2.1	2.1	2.1	136.0	136.0	136.0	6.8	6.8	6.8	8.8	8.8	8.8
45	1.0	HEUSSER RT	184.0	184.0	184.0	0.0	0.0	0.0	136.0	136.0	136.0	6.8	6.8	6.8	6.8	6.8	6.8
46	1.0	WILD GRANS	200.0	200.0	200.0	0.0	0.0	0.0	212.0	212.0	212.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1.0	MT JEFF	172.0	172.0	172.0	0.1	0.1	0.1	192.0	192.0	192.0	0.0	0.0	0.0	0.1	0.1	0.1
48	1.0	GOSH CAVE	224.0	224.0	224.0	0.0	0.0	0.0	166.0	166.0	166.0	0.2	0.2	0.2	0.2	0.2	0.2
49	1.0	GOSH CYN	220.0	220.0	220.0	0.0	0.0	0.0	162.0	162.0	162.0	0.3	0.3	0.3	0.3	0.3	0.3
50	1.0	HERC GAP	172.0	172.0	172.0	0.1	0.1	0.1	124.0	124.0	124.0	24.1	24.1	24.1	24.2	24.2	24.2
51	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2698.1	3325.2	80.0	88.0	84.0	6679.5	5823.5	6247.0	10724.4	8521.6	9572.2
52	1.0	WHIPL CAVE	116.0	116.0	116.0	65.8	65.8	65.8	84.0	84.0	84.0	720.4	720.4	720.4	786.2	786.2	786.2
53	2.0	HILND RNG	68.0	76.0	72.0	9961.1	8856.4	9407.9	92.0	36.0	34.0	9739.4	9319.4	9531.0	19700.5	18175.8	18938.8
54	2.0	MT MORIAH	162.0	180.0	171.0	1097.0	585.3	808.0	90.0	108.0	99.0	5615.7	3903.6	4720.9	6712.7	4488.9	5528.8
55	1.0	SWP CEDAR	138.0	146.0	142.0	6.7	2.7	4.3	76.0	84.0	80.0	1214.8	720.4	941.6	1221.5	723.1	945.9
56	1.0	SPR VAL FL	152.0	154.0	153.0	1.3	1.0	1.1	92.0	96.0	94.0	405.5	298.3	348.4	406.8	299.3	349.5
57	1.0	SHOS PYGMY	152.0	152.0	152.0	1.3	1.3	1.3	92.0	92.0	92.0	405.5	405.5	405.5	406.8	406.8	406.8
58	1.0	SPR VAL SW	140.0	144.0	142.0	5.4	3.4	4.3	84.0	88.0	86.0	720.4	544.0	627.1	725.8	547.4	631.3
59	1.0	SHOS PONDS	144.0	144.0	144.0	3.4	3.4	3.4	84.0	84.0	84.0	720.4	720.4	720.4	723.8	723.8	723.8
60	2.0	GLEASN CYN	76.0	84.0	80.0	8856.4	7772.0	8310.0	28.0	34.0	31.0	11847.3	11406.0	11635.2	20703.6	19178.0	19943.2
61	1.0	BIG SPRG	76.0	76.0	76.0	1311.3	1311.3	1311.3	40.0	40.0	40.0	6679.5	6679.5	6679.5	8190.9	8190.8	8190.8
62	2.0	CATH GORGE	72.0	72.0	72.0	9407.9	9407.9	9407.9	46.0	46.0	46.0	10341.7	10341.7	10341.7	19749.5	19749.5	19749.5
63	1.0	PR BIG SPR	142.0	142.0	142.0	4.3	4.3	4.3	108.0	108.0	108.0	109.8	109.8	109.8	114.1	114.1	114.1
64	1.0	MOR SPR FS	120.0	120.0	120.0	44.7	44.7	44.7	97.2	98.0	97.6	271.4	234.6	262.9	316.1	299.4	307.6
65	2.0	WYNE KIRCH	100.0	108.0	104.0	5755.3	4856.5	5295.5	88.0	94.0	91.0	5823.5	5209.4	5512.9	11578.7	10065.9	10808.4
66	1.0	HUT CRK SP	104.0	104.0	104.0	193.2	193.2	193.2	92.0	92.0	92.0	405.5	405.5	405.5	598.7	598.7	598.7
67	1.0	PAH VAL FS	40.0	52.0	46.0	8310.0	5295.5	6731.9	92.0	96.0	94.0	405.5	298.3	348.4	8715.5	5593.8	7080.2
68	1.0	PAH BONY	32.0	48.0	40.0	10512.5	6234.6	8310.0	94.0	96.0	95.0	348.4	298.3	322.5	10860.9	6532.9	8632.6
69	1.0	PAH LAKES	24.0	32.0	28.0	12621.8	10512.5	11594.4	94.0	96.0	95.0	348.4	298.3	322.5	12970.1	10810.8	11916.9
70	1.0	DNWR	2.0	56.0	29.0	15941.0	4439.4	11327.8	96.0	160.0	128.0	298.3	0.4	16.0	16239.3	4439.8	11343.8
71	1.0	ROA VA FSH	20.0	20.0	20.0	13561.8	13561.8	13561.8	104.0	104.0	104.0	155.3	155.3	155.3	13717.1	13717.1	13717.1
72	2.0	KEY PIT	48.0	48.0	48.0	12621.8	12621.8	12621.8	92.0	92.0	92.0	5410.9	5410.9	5410.9	18032.7	18032.7	18032.7
73	1.0	PUP FSH RF	70.0	88.0	79.0	2160.9	676.9	1250.0	166.0	188.0	177.0	0.2	0.0	0.0	2161.1	676.9	1250.1
74	2.0	BIG DUNE	96.0	96.0	96.0	6234.6	6234.6	6234.6	188.0	188.0	188.0	348.4	348.4	348.4	6583.0	6583.0	6583.0
75	3.0	PYRAMID LK	316.0	344.0	330.0	172.4	74.6	114.4	352.0	368.0	360.0	46.6	27.6	36.0	218.9	102.2	150.3
76	2.0	VAL FIRE	34.0	44.0	39.0	14190.4	13104.7	13671.6	112.0	120.0	116.0	3568.3	2952.7	3251.2	17758.7	16057.4	16922.8
77	1.0	VIRGIN R	44.0	44.0	44.0	7245.1	7245.1	7245.1	80.0	96.0	88.0	941.6	298.3	544.0	8186.7	7543.4	7789.1
78	1.0	VIRGIN MT	44.0	56.0	50.0	7245.1	4439.4	5755.3	84.0	106.0	95.0	720.4	130.8	322.5	7965.5	4570.2	6077.8
79	1.0	MORM MESA	36.0	42.0	39.0	9407.9	7772.0	8582.3	96.0	108.0	102.0	298.3	109.8	183.7	9706.2	7881.8	8766.1

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF NATURAL AREAS

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: DELTA LONG TERM POP 13679.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO.	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	2.0	WHEELER PK	132.0	144.0	138.0	2698.1	1924.4	2287.0	67.0	73.0	71.0	8652.1	7705.1	8178.2	11350.2	9629.5	10465.3
2	3.0	LEHMAN CAV	140.0	140.0	140.0	6364.2	6364.2	6364.2	75.0	75.0	75.0	10599.0	10599.0	10599.0	17163.2	17163.2	17163.2
3	1.0	SANDY CAVE	196.0	196.0	196.0	0.0	0.0	0.0	51.0	51.0	51.0	4731.4	4731.4	4731.4	4731.4	4731.4	4731.4
4	2.0	G B N P	132.0	160.0	146.0	2698.1	1171.5	1813.8	55.0	103.0	79.0	10046.1	4633.5	7235.7	12744.3	3803.0	9049.5
5	2.0	LEX ARCH	132.0	132.0	132.0	2698.1	2698.1	2698.1	75.0	75.0	75.0	7705.1	7705.1	7705.1	10403.2	10403.2	10403.2
6	1.0	DRES	140.0	152.0	146.0	5.4	1.3	2.7	61.0	73.0	67.0	2995.4	1553.9	2189.4	3000.8	1559.2	2192.0
7	1.0	FISH SPR	224.0	230.0	227.0	0.0	0.0	0.0	46.0	54.0	50.0	5767.2	4160.6	4930.6	5767.2	4160.6	4930.6
8	1.0	FUN BUTTE	219.0	219.0	219.0	0.0	0.0	0.0	16.0	16.0	16.0	12321.8	12321.8	12321.8	12321.8	12321.8	12321.8
9	1.0	TOPAZ	215.0	313.0	264.0	0.0	0.0	0.0	10.0	10.0	10.0	13131.9	13131.9	13131.9	13131.9	13131.9	13131.9
10	1.0	CLEAR LAKE	199.0	207.0	203.0	0.0	0.0	0.0	12.0	24.0	18.0	12898.2	10813.1	11984.5	12898.2	10813.1	11984.5
11	1.0	DEER HAB A	203.0	219.0	211.0	0.0	0.0	0.0	28.0	36.0	32.0	9933.0	8059.7	9006.1	9933.0	8059.7	9006.1
12	2.0	ANT SPR TR	204.0	212.0	208.0	228.5	162.7	193.2	34.0	42.0	38.0	12157.0	11425.7	11804.9	12385.5	11588.4	11998.1
13	1.0	STEAMBOAT	112.0	112.0	112.0	95.4	95.4	95.4	112.0	112.0	112.0	81.7	81.7	81.7	177.2	177.2	177.2
14	3.0	CEDAR BRKS	132.0	132.0	132.0	7245.1	7245.1	7245.1	120.0	120.0	120.0	7119.2	7119.2	7119.2	14364.3	14364.3	14364.3
15	3.0	BRYCE CYN	136.0	172.0	164.0	5295.5	4173.9	4715.0	116.0	132.0	124.0	7430.6	6206.9	6811.0	12726.1	10380.8	11526.0
16	1.0	DEER HAB B	128.0	144.0	136.0	19.9	3.4	8.4	108.0	116.0	112.0	117.1	56.3	81.7	137.0	59.7	90.2
17	3.0	ZION NP	106.0	120.0	113.0	9592.2	8310.0	8948.0	132.0	156.0	144.0	6206.9	4536.6	5341.2	15799.1	12846.7	14289.2
18	2.0	RED MTNS	72.0	80.0	76.0	9407.9	8310.0	8856.4	158.0	162.0	160.0	1070.9	939.8	1003.6	10478.8	9249.8	9860.0
19	1.0	JOSHUA TR	64.0	64.0	64.0	3000.2	3000.2	3000.2	176.0	176.0	176.0	0.0	0.0	0.0	3000.3	3000.3	3000.3
20	1.0	DEER HAB C	68.0	84.0	76.0	2418.6	896.3	1511.3	150.0	162.0	156.0	1.4	0.3	0.7	2420.0	896.6	1512.0
21	1.0	RIP ARCH	70.0	70.0	70.0	2160.9	2160.9	2160.9	160.0	160.0	160.0	0.4	0.4	0.4	2161.3	2161.3	2161.3
22	2.0	RUBY MTNS	252.0	268.0	260.0	24.5	10.5	16.1	172.0	180.0	176.0	668.4	901.4	379.9	692.9	911.9	396.0
23	3.0	RUBY LAKE	232.0	248.0	240.0	1390.3	981.4	1171.5	164.0	168.0	166.0	4039.4	3803.3	3920.3	5429.7	4784.7	5091.7
24	1.0	FRANK LK	248.0	252.0	250.0	0.0	0.0	0.0	166.0	170.0	168.0	0.2	0.1	0.1	0.2	0.1	0.1
25	1.0	IND PEAK	112.0	118.0	115.0	95.4	54.3	72.3	100.0	106.0	103.0	230.9	139.4	180.1	326.3	193.7	252.3
26	1.0	LUN CRATER	120.0	120.0	120.0	44.7	44.7	44.7	208.0	208.0	208.0	0.0	0.0	0.0	44.7	44.7	44.7
27	1.0	HICKS STN	156.0	156.0	156.0	0.8	0.8	0.8	208.0	208.0	208.0	0.0	0.0	0.0	0.8	0.8	0.8
28	2.0	MOREY PK	140.0	148.0	144.0	2160.9	1708.2	1924.4	212.0	216.0	214.0	139.4	117.1	127.8	2300.3	1825.2	2052.2
29	1.0	NV WH RGE	80.0	100.0	90.0	1171.5	269.5	585.3	224.0	248.0	236.0	0.0	0.0	0.0	1171.5	269.5	585.3
30	2.0	ARC DOME	192.0	192.0	192.0	371.2	371.2	371.2	264.0	264.0	264.0	11.2	11.2	11.2	382.3	382.3	382.3
31	2.0	ICTHY SITE	204.0	204.0	204.0	228.5	228.5	228.5	280.0	280.0	280.0	4.6	4.6	4.6	233.1	233.1	233.1
32	1.0	RBTS MTNS	214.0	226.0	220.0	0.0	0.0	0.0	198.0	212.0	205.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.0	DIA PUNCH	186.0	186.0	186.0	467.8	467.8	467.8	230.0	230.0	230.0	61.9	61.9	61.9	529.7	529.7	529.7
34	1.0	GOLD JOSH	140.0	140.0	140.0	5.4	5.4	5.4	280.0	280.0	280.0	0.0	0.0	0.0	5.4	5.4	5.4
35	3.0	DEATH VAL	112.0	124.0	118.0	9039.8	7950.2	8491.4	288.0	302.0	295.0	318.0	218.6	264.3	9357.8	8168.9	8755.6
36	2.0	WHITE MTN	192.0	204.0	198.0	371.2	228.5	292.3	324.0	336.0	330.0	0.3	0.1	0.2	371.5	228.7	292.5
37	1.0	HOT CRK RG	124.0	148.0	136.0	30.0	2.1	8.4	208.0	224.0	216.0	0.0	0.0	0.0	30.0	2.1	8.4
38	1.0	SARCOB FLT	114.0	126.0	120.0	79.3	24.5	44.7	284.0	292.0	288.0	0.0	0.0	0.0	79.3	24.5	44.7
39	2.0	DTH VAL OV	152.0	158.0	155.0	1511.3	1250.0	1375.7	308.0	316.0	312.0	0.9	0.5	0.7	1512.2	1250.6	1376.4
40	1.0	LEV CAVE	72.0	72.0	72.0	1924.4	1924.4	1924.4	200.0	200.0	200.0	0.0	0.0	0.0	1924.4	1924.4	1924.4
41	2.0	TROY PEAK	92.0	112.0	102.0	6731.9	4439.4	5522.8	176.0	192.0	184.0	579.9	318.0	432.2	7311.7	4757.4	5955.1
42	2.0	RR VAL WHA	120.0	124.0	122.0	3673.5	3325.2	3496.5	172.0	188.0	180.0	668.4	371.3	501.4	4341.8	3696.6	3997.9
43	1.0	LOCKES RCH	128.0	128.0	128.0	19.9	19.9	19.9	184.0	184.0	184.0	0.0	0.0	0.0	19.9	19.9	19.9
44	1.0	DUCK H2O	148.0	148.0	148.0	2.1	2.1	2.1	172.0	172.0	172.0	0.1	0.1	0.1	2.2	2.2	2.2
45	1.0	HEUSSER MT	184.0	184.0	184.0	0.0	0.0	0.0	132.0	132.0	132.0	11.2	11.2	11.2	11.2	11.2	11.2
46	1.0	WILD GRANS	200.0	200.0	200.0	0.0	0.0	0.0	248.0	248.0	248.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1.0	MT JEFF	172.0	172.0	172.0	0.1	0.1	0.1	240.0	240.0	240.0	0.0	0.0	0.0	0.1	0.1	0.1
48	1.0	GOSH CAVE	224.0	224.0	224.0	0.0	0.0	0.0	128.0	128.0	128.0	17.1	17.1	17.1	17.1	17.1	17.1
49	1.0	GOSH CYN	220.0	220.0	220.0	0.0	0.0	0.0	126.0	126.0	126.0	21.0	21.0	21.0	21.0	21.0	21.0
50	1.0	MERC GAP	172.0	172.0	172.0	0.1	0.1	0.1	124.0	124.0	124.0	25.7	25.7	25.7	25.8	25.8	25.8
51	2.0	MT GRAFTON	116.0	132.0	124.0	4044.9	2698.1	3325.2	124.0	130.0	127.0	2848.8	2438.5	2638.1	6893.7	5136.6	5963.3
52	1.0	WHIPL CAVE	116.0	116.0	116.0	65.8	65.8	65.8	140.0	140.0	140.0	4.6	4.6	4.6	70.4	70.4	70.4
53	2.0	HILNO RNG	68.0	76.0	72.0	9961.1	8836.4	9407.9	148.0	154.0	151.0	1463.4	1216.4	1335.4	11424.5	10072.7	10743.2
54	2.0	MT MORIAH	162.0	180.0	171.0	1097.0	583.3	808.0	82.0	96.0	89.0	4887.7	3341.2	4095.8	7984.7	5926.5	6903.7
55	1.0	SWPP CEDAR	138.0	146.0	142.0	6.7	2.7	4.3	106.0	106.0	106.0	139.4	139.4	139.4	146.1	142.1	143.7
56	1.0	SPR VAL FL	132.0	154.0	153.0	1.3	1.0	1.1	106.0	110.0	108.0	139.4	98.0	117.1	140.7	99.0	118.2
57	1.0	SHOS PYGMY	152.0	152.0	152.0	1.3	1.3	1.3	104.0	104.0	104.0	165.5	165.5	165.5	166.8	166.8	166.8
58	1.0	SPR VAL SW	140.0	144.0	142.0	3.4	3.4	4.3	104.0	108.0	106.0	165.5	117.1	139.4	170.8	120.4	143.7
59	1.0	SHOS PONDS	144.0	144.0	144.0	3.4	3.4	3.4	104.0	104.0	104.0	165.5	165.5	165.5	168.9	168.9	168.9
60	2.0	GLEASN CYN	76.0	84.0	80.0	8836.4	7772.0	8310.0	136.0	142.0	139.0	2072.0	1747.7	1904.7	10928.4	9519.7	10214.7
61	1.0	BIG SPRG	76.0	76.0	76.0	1511.3	1511.3	1511.3	152.0	152.0	152.0	1.1	1.1	1.1	1512.4	1512.4	1512.4
62	2.0	CATH GORGE	72.0	72.0	72.0	9407.9	9407.9	9407.9	148.0	148.0	148.0	1463.4	1463.4	1463.4	10871.2	10871.2	10871.2
63	1.0	PR BIG SPR	142.0	142.0	142.0	4.3	4.3	4.3	140.0	140.0	140.0	4.6	4.6	4.6	8.8	8.8	8.8
64	1.0	MOR SPR FS	120.0	120.0	120.0	44.7	44.7	44.7	132.0	132.0	132.0	1.1	1.1	1.1	45.8	45.8	45.8
65	2.0	WYNE KIRCH	100.0	108.0	104.0	5755.3	4836.5	5295.5	148.0	162.0	155.0	1463.4	939.8	1178.6	7218.7	5796.3	6474.1
66	1.0	HOT CRK SP	104.0	104.0	104.0	193.2	193.2	193.2	154.0	154.0	154.0	0.9	0.9	0.9	194.0	194.0	194.0
67	1.0	PAH VAL FS	40.0	52.0	46.0	8310.0	5295.5	6731.9	192.0	198.0	195.0	0.0	0.0	0.0	8310.0	5295.5	6731.9
68	1.0	PAH BONY	32.0	48.0	40.0	10512.5	6234.6	8310.0	196.0	204.0	200.0	0.0	0.0	0.0	10512.5	6234.6	8310.0
69	1.0	PAH LAKES	24.0	32.0	28.0	12621.8	10512.5	11394.4	202.0	204.0	203.0	0.0	0.0	0.0	12621.8	10512.5	11394.4
70	1.0	DNWR	2.0	56.0	29.0	15941.0	4439.4	11327.8	204.0	260.0	232.0	0.0	0.0	0.0	15941.0	4439.4	11327.8
71	1.0	MOA VA FSH	20.0	20.0	20.0	13961.8	13961.8	13961.8	220.0	220.0	220.0	0.0	0.0	0.0	13961.8	13961.8	13961.8
72	2.0	HEY PIT	48.0	48.0	48.0	12621.8	12621.8	12621.8	194.0	194.0	194.0	293.9	293.9	293.9	12915.6	12915.6	12915.6
73	1.0	PUP FSH RF	70.0	88.0	79.0	2160.9	676.9	1290.0	276.0	296.0	286.0	0.0	0.0	0.0	2160.9	676.9	1290.0
74	2.0	BIG DUNE	96.0	96.0	96.0	6234.6	6234.6	6234.6	292.0	292.0	292.0	2.3	2.3	2.3	6236.9	6236.9	6236.9
75	3.0	PYRAMID LK	316.0	344.0	330.0	172.4	74.6	114.4	376.0	388.0	382.0	22.5	14.8	18.3	194.8	89.4	132.7
76	2.0	VAL FIRE	34.0	44.0	39.0	14190.4	13104.7	13671.6	228.0	236.0	232.0	68.0	44.5	56.3	14238.4	13131.3	13727.9
77	1.0	VIRGIN R	44.0	44.0	44.0	7245.1	7245.1	7245.1	196.0	212.0	204.0	0.0	0.0	0.0	7245.1	7245.1	7245.1
78	1.0	VIRGIN MT	44.0	56.0	50.0	7245.1	4439.4	5755.3	200.0	224.0	212.0	0.0	0.0	0.0	7245.1	4439.4	5755.3
79	1.0	MORM MESA	36.0	42.0	39.0	9407.9	7772.0	8582.3	214.0	224.0	219.0	0.0	0.0	0.0	9407.9	7772.0	8582.4

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF. NATURAL AREAS

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	2.0	WHEELER PK	71.0	83.0	77.0	10129.7	8388.8	9252.1	29.0	37.0	33.0	13167.1	12474.5	12838.1	23296.8	20863.3	22090.3
2	3.0	LEHMAN CAV	83.0	83.0	83.0	12396.7	12396.7	12396.7	31.0	31.0	31.0	13735.1	13735.1	13735.1	26131.8	26131.8	26131.8
3	1.0	SANDY CAVE	107.0	107.0	107.0	158.3	158.3	158.3	41.0	41.0	41.0	7224.1	7224.1	7224.1	7382.4	7382.4	7382.4
4	2.0	G B N P	83.0	123.0	103.0	6388.8	3618.6	5739.1	103.0	73.0	88.0	4859.8	8329.2	6510.0	13248.5	11947.8	12249.1
5	2.0	LEX ARCH	71.0	71.0	71.0	10129.7	10129.7	10129.7	37.0	37.0	37.0	12476.5	12476.5	12476.5	22606.2	22606.2	22606.2
6	1.0	DRES	51.0	51.0	51.0	5860.4	5860.4	5860.4	57.0	69.0	63.0	3809.2	2055.0	2839.3	9669.6	7915.4	8699.7
7	1.0	FISH SPR	134.0	140.0	137.0	11.1	9.7	8.0	97.0	105.0	101.0	308.2	159.4	223.1	319.4	169.1	231.1
8	1.0	FUN BUTTE	122.0	122.0	122.0	39.0	39.0	39.0	114.0	114.0	114.0	71.3	71.3	71.3	110.3	110.3	110.3
9	1.0	TOPAZ	116.0	122.0	119.0	69.8	39.0	52.3	110.0	114.0	112.0	102.8	71.3	85.7	172.6	110.3	138.1
10	1.0	CLEAR LAKE	100.0	108.0	104.0	286.0	145.0	203.0	124.0	126.0	125.0	27.0	22.0	24.4	313.0	167.0	229.4
11	1.0	DEER HAB A	104.0	120.0	112.0	205.0	47.5	101.3	146.0	146.0	146.0	2.4	2.4	2.4	207.4	49.9	103.6
12	2.0	ANT SPR TR	104.0	112.0	108.0	5619.2	4710.8	5153.4	87.0	95.0	91.0	6627.3	5712.3	6162.9	12246.4	10423.1	11316.2
13	1.0	STEAMBOAT	24.0	24.0	24.0	13393.3	13393.3	13393.3	104.0	104.0	104.0	173.6	173.6	173.6	13566.8	13566.8	13566.8
14	3.0	CEDAR BRKS	48.0	48.0	48.0	15262.0	15262.0	15262.0	136.0	136.0	136.0	4758.2	4758.2	4758.2	20020.2	20020.2	20020.2
15	3.0	BRYCE CYN	80.0	88.0	84.0	12674.7	11925.2	12303.1	184.0	184.0	184.0	3089.8	3089.8	3089.8	15764.5	15015.0	15393.0
16	1.0	DEER HAB B	40.0	46.0	43.0	8818.0	7143.3	7963.8	148.0	154.0	151.0	1.9	0.9	1.3	8819.9	7144.2	7967.1
17	3.0	ZION NP	32.0	60.0	46.0	16174.2	14390.8	15392.7	152.0	184.0	168.0	5031.6	3089.8	3989.0	21205.8	17480.7	19381.7
18	2.0	RED MTNS	32.0	38.0	35.0	15262.0	14421.7	14952.1	152.0	160.0	156.0	1358.0	1092.6	1197.5	16620.0	15674.4	16149.7
19	1.0	JOSHUA TR	48.0	48.0	48.0	6613.7	6613.7	6613.7	164.0	164.0	164.0	0.2	0.2	0.2	6616.0	6616.0	6616.0
20	1.0	DEER HAB C	24.0	32.0	28.0	13393.3	11155.1	12303.1	148.0	152.0	150.0	1.9	1.2	1.5	13395.2	11156.2	12304.6
21	1.0	RIP ARCH	30.0	30.0	30.0	11734.2	11734.2	11734.2	144.0	144.0	144.0	3.0	3.0	3.0	11737.2	11737.2	11737.2
22	2.0	RUBY MTNS	208.0	224.0	216.0	205.0	101.3	149.0	85.0	101.0	93.0	6864.0	5066.4	5935.7	7069.0	5167.6	6080.7
23	3.0	RUBY LAKE	188.0	196.0	192.0	3410.8	2947.2	3183.6	66.0	76.0	71.0	11775.1	11040.7	11415.0	15186.0	14008.0	14598.6
24	1.0	FRANK LK	202.0	208.0	205.0	0.0	0.0	0.0	77.0	83.0	80.0	1273.8	862.2	1052.6	1273.8	862.2	1052.6
25	1.0	IND PEAK	26.0	30.0	28.0	12857.6	11734.2	12303.1	76.0	82.0	79.0	1358.0	922.2	1123.2	14215.6	12656.4	13426.4
26	1.0	LUN CRATER	140.0	140.0	140.0	3.7	3.7	3.7	92.0	92.0	92.0	453.3	453.3	453.3	459.0	459.0	459.0
27	1.0	HICKS STN	160.0	160.0	160.0	0.3	0.3	0.3	80.0	80.0	80.0	1052.6	1052.6	1052.6	1053.1	1053.1	1053.1
28	2.0	MONEY PK	134.0	160.0	137.0	1306.6	1243.1	1369.8	88.0	96.0	92.0	6510.0	5602.1	6048.8	8016.6	6849.2	7418.6
29	1.0	NV WH RGE	140.0	160.0	150.0	3.7	0.3	1.7	128.0	160.0	144.0	17.9	0.4	3.0	23.6	0.9	4.8
30	2.0	ARC DOME	212.0	212.0	212.0	172.7	172.7	172.7	140.0	140.0	140.0	1941.7	1941.7	1941.7	2114.3	2114.3	2114.3
31	2.0	ICTHY SITE	228.0	228.0	228.0	84.2	84.2	84.2	152.0	152.0	152.0	1358.0	1358.0	1358.0	1442.2	1442.2	1442.2
32	1.0	RBTS MTNS	192.0	208.0	200.0	0.0	0.0	0.0	82.0	96.0	89.0	922.2	333.3	565.8	922.2	333.3	565.8
33	2.0	DIA PUNCH	188.0	188.0	188.0	459.9	459.9	459.9	102.0	102.0	102.0	4962.5	4962.5	4962.5	5422.4	5422.4	5422.4
34	1.0	GOLD JOSH	200.0	200.0	200.0	0.0	0.0	0.0	172.0	172.0	172.0	0.1	0.1	0.1	0.1	0.1	0.1
35	3.0	DEATH VAL	192.0	208.0	200.0	3183.6	2381.6	2761.6	192.0	208.0	200.0	2693.8	2016.7	2338.4	5879.4	4398.3	5100.0
36	2.0	WHITE MTN	236.0	268.0	262.0	21.1	11.1	15.4	208.0	216.0	212.0	173.6	122.8	146.2	194.7	133.9	161.6
37	1.0	HOT CRK RG	148.0	164.0	156.0	2.2	0.3	0.8	88.0	112.0	100.0	608.2	85.7	242.2	610.4	86.0	243.0
38	1.0	SARCOB FLT	192.0	200.0	196.0	0.0	0.0	0.0	184.0	192.0	188.0	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	DTH VAL OV	224.0	232.0	228.0	101.3	69.8	84.2	200.0	208.0	204.0	242.2	173.6	203.4	343.4	243.4	289.6
40	1.0	LEV CAVE	110.0	110.0	110.0	121.4	121.4	121.4	112.0	112.0	112.0	85.7	85.7	85.7	207.1	207.1	207.1
41	2.0	TROY PEAK	106.0	116.0	111.0	5383.4	4292.2	4819.2	72.0	92.0	82.0	8453.3	6048.8	7224.1	13836.8	10341.0	12043.3
42	2.0	RR VAL WMA	120.0	128.0	124.0	3898.0	3183.6	3528.5	60.0	76.0	68.0	9936.3	7957.8	8950.5	13834.3	11141.4	12479.0
43	1.0	LOCKES RCH	130.0	129.2	129.6	17.1	18.6	17.9	72.0	72.0	72.0	1729.1	1729.1	1729.1	1746.2	1747.8	1747.0
44	1.0	DUCK MZO	136.0	136.0	136.0	8.9	8.9	8.9	52.0	52.0	52.0	4758.2	4758.2	4758.2	4767.1	4767.1	4767.1
45	1.0	HEUSSER MT	136.0	136.0	136.0	8.9	8.9	8.9	20.0	20.0	20.0	12185.9	12185.9	12185.9	12194.8	12194.8	12194.8
46	1.0	WILD GRANS	212.0	212.0	212.0	0.0	0.0	0.0	128.0	128.0	128.0	17.9	17.9	17.9	17.9	17.9	17.9
47	1.0	MT JEFF	192.0	192.0	192.0	0.0	0.0	0.0	120.0	120.0	120.0	40.2	40.2	40.2	40.2	40.2	40.2
48	1.0	GOSH CAVE	166.0	166.0	166.0	0.2	0.2	0.2	38.0	38.0	38.0	3634.3	3634.3	3634.3	3634.8	3634.8	3634.8
49	1.0	GOSH CYN	162.0	162.0	162.0	0.4	0.4	0.4	34.0	34.0	34.0	4363.8	4363.8	4363.8	4364.1	4364.1	4364.1
50	1.0	HERC GAP	124.0	124.0	124.0	31.9	31.9	31.9	4.0	4.0	4.0	14137.7	14137.7	14137.7	14169.6	14169.6	14169.6
51	2.0	MT GRAFTON	80.0	88.0	84.0	8818.0	7687.9	8247.0	36.0	52.0	44.0	12569.8	10887.6	11775.1	21387.8	18575.5	20022.2
52	1.0	WHIPL CAVE	84.0	84.0	84.0	951.1	951.1	951.1	32.0	32.0	32.0	4758.2	4758.2	4758.2	5709.3	5709.3	5709.3
53	2.0	HILND RNG	32.0	36.0	34.0	12857.6	12303.1	12582.5	94.0	104.0	99.0	5823.3	4758.2	5277.4	18681.2	17061.3	17859.9
54	2.0	MT MORIAH	90.0	108.0	99.0	7413.7	5153.4	6232.3	28.0	42.0	35.0	13244.0	11983.6	12661.2	20657.6	17137.0	18893.5
55	1.0	SWMP CEDAR	76.0	84.0	80.0	1603.7	951.1	1243.1	34.0	40.0	37.0	8950.3	7466.9	8205.2	10554.1	8418.0	9448.3
56	1.0	SPR VAL FL	92.0	96.0	94.0	535.3	393.9	459.9	20.0	26.0	23.0	12185.9	10887.6	11360.8	12721.2	11281.4	12020.8
57	1.0	SHOS PYGMY	92.0	92.0	92.0	535.3	535.3	535.3	28.0	28.0	28.0	10418.1	10418.1	10418.1	10953.4	10953.4	10953.4
58	1.0	SPR VAL SW	84.0	88.0	86.0	951.1	718.2	827.9	34.0	40.0	38.0	8453.3	7466.9	7957.8	9404.4	8185.1	8785.7
59	1.0	SHOS PONDS	84.0	84.0	84.0	951.1	951.1	951.1	36.0	36.0	36.0	8453.3	8453.3	8453.3	9404.4	9404.4	9404.4
60	2.0	GLEASN CYN	28.0	34.0	31.0	15640.4	15057.8	15360.4	104.0	110.0	108.0	4558.6	4173.9	4363.8	20198.9	19231.7	19724.2
61	1.0	BIG SPRG	40.0	40.0	40.0	8818.0	8818.0	8818.0	104.0	104.0	104.0	173.6	173.6	173.6	8991.6	8991.6	8991.6
62	2.0	CATH GORGE	46.0	46.0	46.0	13652.7	13652.7	13652.7	104.0	104.0	104.0	4758.2	4758.2	4758.2	18410.9	18410.9	18410.9
63	1.0	PR BIG SPR	108.0	108.0	108.0	145.0	145.0	145.0	28.0	28.0	28.0	10418.1	10418.1	10418.1	10563.1	10563.1	10563.1
64	1.0	MOR SPR FS	97.2	98.0	97.6	398.3	336.2	347.1	50.0	50.0	50.0	5171.3	5171.3	5171.3	5569.6	5507.5	5518.4
65	2.0	WYNE RIRCH	88.0	94.0	91.0	7687.9	6877.3	7278.0	60.0	70.0	65.0	9936.3	8701.9	9322.4	17624.2	15579.2	16600.4
66	1.0	HOT CRK SP	92.0	92.0	92.0	535.3	535.3	535.3	64.0	64.0	64.0	2693.8	2495.8	2231.2	3231.2	3231.2	3231.2
67	1.0	PAH VAL FS	92.0	96.0	94.0	535.3	393.9	459.9	118.0	130.0	124.0	48.8	14.5	27.0	584.2	408.3	486.9
68	1.0	PAH BONY	94.0	96.0	95.0	459.9	393.9	425.8	122.0	138.0	130.0	32.0	6.0	14.5	492.9	399.9	440.3
69	1.0	PAH LAKES	94.0	96.0	95.0	459.9	393.9	425.8	138.0	146.0	142.0	6.0	2.4	3.8	466.0	396.3	429.6
70	1.0	DNWR	96.0	160.0	128.0	393.9	0.5	21.1	144.0	206.0	173.0	3.0	0.0	0.1	396.9	0.5	21.2
71	1.0	MOA VA FSH	104.0	104.0	104.0	205.0	205.0	205.0	180.0	180.0	180.0	0.0	0.0	0.0	205.0	205.0	205.0
72	2.0	HEY PIT	92.0	92.0	92.0	7143.3	7143.3	7143.3	122.0	122.0	122.0	3141.7	3141.7	3141.7	10285.1	10285.1	10285.1
73	1.0	PUP FSH RF	166.0	188.0	177.0	0.2	0.0	0.0	200.0	220.0	210.0	0.0	0.0	0.0	0.2	0.0	0.0
74	2.0	BIG DUNE	188.0	188.0	188.0	459.9	459.9	459.9	208.0	208.0	208.0	173.6	173.6	173.6	633.5	633.5	633.5
75	3.0	PYRAMID LK	352.0	368.0	360.0	41.5	36.4	47.5	248.0	256.0	252.0	881.8	734.5	803.4	943.3	770.9	852.8
76	2.0	VAL FIRE	112.0	120.0	116.0	4710.8	3898.0	4292.2	194.0	202.0	198.0	308.2	223.1	262.7	5019.0	4121.1	4554.8
77	1.0	VIRGIN R	80.0	96.0	88.0	1243.1	393.9	718.2	180.0	184.0	182.0	0.0	0.0	0.0	1243.1	393.9	718.2
78	1.0	VIRGIN MT	84.0	104.0	93.0	951.1	172.7	423.8	180.0	200.0	190.0	0.0	0.0	0.0	951.1	172.7	423.8
79	1.0	MORM MESA	96.0	108.0	102.0	393.9	143.0	242.5	184.0	196.0	190.0	0.0	0.0	0.0	393.9	143.0	242.5

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF NATURAL AREAS

ALTERNATIVE NO 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO.	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	2.0	WHEELER PK	71.0	83.0	77.0	10129.7	8388.8	9292.1	132.0	144.0	138.0	2060.7	1469.8	1746.8	12190.4	9858.6	10998.9
2	3.0	LEHMAN CAV	83.0	83.0	83.0	12396.7	12396.7	12396.7	140.0	140.0	140.0	5013.5	5013.5	5013.5	17410.2	17410.2	17410.2
3	1.0	GANDY CAVE	107.0	107.0	107.0	158.3	158.3	158.3	196.0	196.0	196.0	0.0	0.0	0.0	158.3	158.3	158.3
4	2.0	G B N P	83.0	123.0	103.0	8388.8	3618.6	5739.1	132.0	160.0	146.0	2060.7	894.7	1385.3	10449.5	4513.3	7124.4
5	2.0	LEX ARCH	71.0	71.0	71.0	10129.7	10129.7	10129.7	132.0	132.0	132.0	2060.7	2060.7	2060.7	12190.4	12190.4	12190.4
6	1.0	DRES	51.0	51.0	51.0	5860.4	5860.4	5860.4	140.0	152.0	146.0	4.1	1.0	2.0	5864.5	5861.4	5862.5
7	1.0	FISH SPR	134.0	140.0	137.0	11.1	5.7	8.0	224.0	230.0	227.0	0.0	0.0	0.0	11.1	5.7	8.0
8	1.0	FUR BUTTE	122.0	122.0	122.0	39.0	39.0	39.0	219.0	219.0	219.0	0.0	0.0	0.0	39.0	39.0	39.0
9	1.0	TOPAZ	116.0	122.0	119.0	49.8	39.0	52.3	215.0	313.0	264.0	0.0	0.0	0.0	49.8	39.0	52.3
10	1.0	CLEAR LAKE	100.0	108.0	104.0	286.0	145.0	205.0	199.0	207.0	203.0	0.0	0.0	0.0	286.0	145.0	205.0
11	1.0	DEER HAB A	104.0	120.0	112.0	205.0	47.5	101.3	203.0	219.0	211.0	0.0	0.0	0.0	205.0	47.5	101.3
12	2.0	ANT SPR TR	104.0	112.0	108.0	5619.2	4710.8	5153.4	204.0	212.0	208.0	174.6	124.3	147.5	5793.7	4835.1	5300.9
13	1.0	STEAMBOAT	24.0	24.0	24.0	13393.3	13393.3	13393.3	112.0	112.0	112.0	72.9	72.9	72.9	13466.2	13466.2	13466.2
14	3.0	CEDAR BRKS	48.0	48.0	48.0	15262.0	15262.0	15262.0	132.0	132.0	132.0	5933.5	5933.5	5933.5	20795.5	20795.5	20795.5
15	3.0	BRYCE CYN	80.0	88.0	84.0	12674.7	11925.2	12303.1	156.0	172.0	164.0	4044.5	3187.9	3601.1	16719.1	15113.0	15904.3
16	1.0	DEER HAB B	40.0	46.0	43.0	8816.0	7143.3	7963.8	128.0	144.0	136.0	13.2	2.6	6.4	8832.2	7145.9	7972.2
17	3.0	ZION NP	32.0	60.0	46.0	16174.2	14390.8	15392.7	106.0	120.0	113.0	7326.2	6346.9	6834.2	23500.4	20737.7	22226.8
18	2.0	RED MTNS	32.0	38.0	35.0	15262.0	14621.7	14952.1	72.0	80.0	76.0	7185.4	6346.9	6764.2	22447.3	20968.6	21716.3
19	1.0	JOSHUA TR	48.0	48.0	48.0	6615.7	6615.7	6615.7	64.0	64.0	64.0	2291.5	2291.5	2291.5	8907.2	8907.2	8907.2
20	1.0	DEER HAB C	24.0	32.0	28.0	13393.3	11155.1	12303.1	68.0	84.0	76.0	1847.2	684.6	1134.3	15240.5	11839.6	13437.4
21	1.0	RIP ARCH	30.0	30.0	30.0	11734.2	11734.2	11734.2	70.0	70.0	70.0	1650.4	1650.4	1650.4	13384.6	13384.6	13384.6
22	2.0	RUBY MTNS	208.0	224.0	216.0	205.0	101.3	149.0	252.0	268.0	260.0	18.7	8.0	12.3	223.7	109.3	157.3
23	3.0	RUBY LAKE	188.0	196.0	192.0	3410.8	2967.2	3183.6	232.0	248.0	240.0	1061.9	749.6	894.7	4472.7	3716.8	4078.4
24	1.0	FRANK LK	202.0	208.0	205.0	0.0	0.0	0.0	248.0	252.0	250.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	IND PEAK	26.0	30.0	28.0	12857.6	11734.2	12303.1	112.0	118.0	115.0	72.9	41.5	55.2	12930.5	11775.7	12358.3
26	1.0	LUN CRATER	140.0	140.0	140.0	5.7	5.7	5.7	120.0	120.0	120.0	34.2	34.2	34.2	39.8	39.8	39.8
27	1.0	HICKS STN	160.0	160.0	160.0	0.5	0.5	0.5	156.0	156.0	156.0	0.6	0.6	0.6	1.1	1.1	1.1
28	2.0	MOREY PK	154.0	160.0	157.0	1506.6	1243.1	1369.8	140.0	148.0	144.0	1650.4	1304.6	1469.8	3157.0	2547.7	2839.6
29	1.0	NV WH RGE	140.0	160.0	150.0	5.7	0.5	1.7	80.0	100.0	90.0	894.7	205.9	447.0	900.4	206.3	448.8
30	2.0	ARC DOME	212.0	212.0	212.0	172.7	172.7	172.7	192.0	192.0	192.0	283.5	283.5	283.5	456.2	456.2	456.2
31	2.0	ICTHY SITE	228.0	228.0	228.0	84.2	84.2	84.2	204.0	204.0	204.0	174.6	174.6	174.6	258.8	258.8	258.8
32	1.0	RBTS MTNS	192.0	208.0	200.0	0.0	0.0	0.0	214.0	226.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.0	DIA PUNCH	188.0	188.0	188.0	459.9	459.9	459.9	186.0	186.0	186.0	357.3	357.3	357.3	817.2	817.2	817.2
34	1.0	GOLD JOSH	200.0	200.0	200.0	0.0	0.0	0.0	140.0	140.0	140.0	4.1	4.1	4.1	4.1	4.1	4.1
35	3.0	DEATH VAL	192.0	208.0	200.0	3183.6	2381.6	2761.6	112.0	124.0	118.0	6904.2	6072.1	6483.4	10087.9	8453.7	9247.0
36	2.0	WHITE MTN	256.0	268.0	262.0	21.1	11.1	15.4	192.0	204.0	198.0	283.5	174.6	223.3	304.6	185.7	238.6
37	1.0	HOT CRK RG	148.0	164.0	156.0	2.2	0.3	0.8	124.0	148.0	136.0	22.9	1.6	6.4	25.2	1.9	7.2
38	1.0	SARCOS FLT	192.0	200.0	196.0	0.0	0.0	0.0	114.0	126.0	120.0	60.6	18.7	24.2	60.6	18.7	24.2
39	2.0	DTH VAL OV	224.0	232.0	228.0	101.3	69.8	84.2	152.0	158.0	155.0	1154.3	934.7	1050.7	1255.5	1024.5	1134.9
40	1.0	LEV CAVE	110.0	110.0	110.0	121.4	121.4	121.4	72.0	72.0	72.0	1469.8	1469.8	1469.8	1591.1	1591.1	1591.1
41	2.0	TROY PEAK	106.0	116.0	111.0	5383.4	4292.2	4819.2	92.0	112.0	102.0	5141.5	3390.7	4218.1	10525.0	7682.8	9037.3
42	2.0	RR VAL WHA	120.0	128.0	124.0	3898.0	3183.6	3528.5	120.0	124.0	122.0	2805.7	2539.7	2670.5	6703.7	5723.3	6199.0
43	1.0	LOCKES RCH	130.0	129.2	129.6	17.1	18.6	17.9	128.0	128.0	128.0	15.2	15.2	15.2	32.3	33.8	33.1
44	1.0	DUCK H2O	136.0	136.0	136.0	8.9	8.9	8.9	148.0	148.0	148.0	1.6	1.6	1.6	10.5	10.5	10.5
45	1.0	HEUSSER MT	136.0	136.0	136.0	8.9	8.9	8.9	184.0	184.0	184.0	0.0	0.0	0.0	8.9	8.9	8.9
46	1.0	WILD GRANS	212.0	212.0	212.0	0.0	0.0	0.0	200.0	200.0	200.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1.0	MT JEFF	192.0	192.0	192.0	0.0	0.0	0.0	172.0	172.0	172.0	0.1	0.1	0.1	0.1	0.1	0.1
48	1.0	GOSH CAVE	166.0	166.0	166.0	0.2	0.2	0.2	224.0	224.0	224.0	0.0	0.0	0.0	0.2	0.2	0.2
49	1.0	GOSH CYN	162.0	162.0	162.0	0.4	0.4	0.4	220.0	220.0	220.0	0.0	0.0	0.0	0.4	0.4	0.4
50	1.0	HERC GAP	124.0	124.0	124.0	31.9	31.9	31.9	172.0	172.0	172.0	0.1	0.1	0.1	31.9	31.9	31.9
51	2.0	MT GRAFTON	80.0	88.0	84.0	8818.0	7687.9	8247.0	116.0	132.0	124.0	3089.4	2060.7	2539.7	11907.3	9748.7	10786.7
52	1.0	WHIPL CAVE	84.0	84.0	84.0	951.1	951.1	951.1	116.0	116.0	116.0	30.2	30.2	30.2	1001.3	1001.3	1001.3
53	2.0	HILND RNG	32.0	36.0	34.0	12857.6	12303.1	12582.5	68.0	76.0	72.0	7607.9	6764.2	7185.4	20465.5	19067.3	19767.8
54	2.0	MT MORIAH	90.0	108.0	99.0	7413.7	5153.4	6232.3	162.0	180.0	171.0	837.8	447.0	617.1	8251.5	5600.4	6849.4
55	1.0	SWMP CEDAR	76.0	84.0	80.0	1403.7	951.1	1243.1	138.0	146.0	142.0	5.1	2.0	3.2	1408.8	953.1	1246.4
56	1.0	SPR VAL FL	92.0	96.0	94.0	535.3	393.9	459.9	132.0	134.0	133.0	1.0	0.8	0.9	536.3	394.6	460.8
57	1.0	SHOS PYGMY	92.0	92.0	92.0	535.3	535.3	535.3	152.0	152.0	152.0	1.0	1.0	1.0	536.3	536.3	536.3
58	1.0	SPR VAL SW	84.0	88.0	86.0	951.1	718.2	827.9	140.0	144.0	142.0	4.1	2.6	3.2	955.2	720.8	831.1
59	1.0	SHOS PONDS	84.0	84.0	84.0	951.1	951.1	951.1	144.0	144.0	144.0	2.6	2.6	2.6	953.7	953.7	953.7
60	2.0	GLEASN CYN	28.0	34.0	31.0	15440.4	13057.8	13360.4	76.0	84.0	80.0	6764.2	5939.9	6346.9	22404.5	20993.7	21707.3
61	1.0	BIG SPRG	40.0	40.0	40.0	8818.0	8818.0	8818.0	76.0	76.0	76.0	1154.3	1154.3	1154.3	9972.3	9972.3	9972.3
62	2.0	CATH GORGE	46.0	46.0	46.0	13652.7	13652.7	13652.7	72.0	72.0	72.0	7185.4	7185.4	7185.4	20838.1	20838.1	20838.1
63	1.0	PR BIG SPR	108.0	108.0	108.0	145.0	145.0	145.0	142.0	142.0	142.0	3.2	3.2	3.2	148.3	148.3	148.3
64	1.0	MOR SPR FS	97.2	98.0	97.6	358.3	336.2	347.1	120.0	120.0	120.0	34.2	34.2	34.2	392.5	370.3	381.2
65	2.0	WYNE KIRCH	88.0	94.0	91.0	7687.9	6877.3	7278.0	100.0	108.0	104.0	4399.7	3709.2	4044.5	12083.6	10586.5	11322.5
66	1.0	HOT CRK SP	92.0	92.0	92.0	535.3	535.3	535.3	104.0	104.0	104.0	147.5	147.3	147.5	682.9	682.9	682.9
67	1.0	PAH VAL FS	92.0	96.0	95.0	535.3	393.9	459.9	40.0	52.0	46.0	6246.9	4044.3	5141.5	6882.2	4438.3	5601.5
68	1.0	PAH BONY	94.0	96.0	95.0	459.9	393.9	425.8	32.0	48.0	40.0	8029.1	4741.8	6346.9	8489.0	5135.6	6772.7
69	1.0	PAH LAKES	94.0	96.0	95.0	459.9	393.9	425.8	24.0	32.0	28.0	9440.0	8029.1	8835.4	10100.0	8422.9	9281.2
70	1.0	DNWR	96.0	160.0	128.0	393.9	0.5	21.1	2.0	56.0	29.0	12173.1	3390.7	8651.7	12569.0	3391.2	8672.9
71	1.0	MOA VA FSH	104.0	104.0	104.0	205.0	205.0	205.0	20.0	20.0	20.0	10338.0	10338.0	10338.0	10563.0	10563.0	10563.0
72	2.0	KEY PIT	92.0	92.0	92.0	7143.3	7143.3	7143.3	48.0	48.0	48.0	9640.0	9640.0	9640.0	16783.4	16783.4	16783.4
73	1.0	PUP FSH RF	166.0	188.0	177.0	0.2	0.0	0.0	70.0	88.0	79.0	1630.4	517.0	934.7	1630.6	517.0	934.8
74	2.0	BIG DUNE	188.0	188.0	188.0	459.9	459.9	459.9	96.0	96.0	96.0	4761.8	4761.8	4761.8	5221.7	5221.7	5221.7
75	3.0	PYRAMID LK	352.0	368.0	360.0	61.5	36.4	47.5	316.0	344.0	330.0	131.7	36.9	87.4	193.1	93.4	134.8
76	2.0	VAL FIRE	112.0	120.0	116.0	4710.8	3898.0	4292.2	34.0	44.0	39.0	10838.1	10008.9	10441.9	15548.9	13906.9	14734.0
77	1.0	VIRGIN R	80.0	96.0	88.0	1243.1	393.9	718.2	44.0	44.0	44.0	5933.5	5933.5	5933.5	6776.6	5927.4	6251.7
78	1.0	VIRGIN MT	84.0	106.0	95.0	951.1	172.7	425.8	44.0	36.0	30.0	5933.5	3390.7	4395.7	6484.6	3563.4	4821.4
79	1.0	HORN MESA	96.0	108.0	102.0	393.9	145.0	242.5	36.0	42.0	39.0	7185.4	5939.9	6354.9	7579.2	6081.0	6797.4

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF. NATURAL AREAS

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	2.0	WHEELER PK	63.0	75.0	69.0	11486.0	9700.2	10594.3	29.0	37.0	33.0	13167.1	12476.5	12838.1	24653.2	22176.7	23432.4
2	3.0	LEHMAN CAV	75.0	75.0	75.0	13343.5	13343.5	13343.5	31.0	31.0	31.0	13735.1	13735.1	13735.1	27078.6	27078.6	27078.6
3	1.0	GANDY CAVE	85.0	85.0	85.0	902.3	902.3	902.3	41.0	41.0	41.0	7224.1	7224.1	7224.1	8126.3	8126.3	8126.3
4	2.0	G B N P	79.0	66.0	72.5	9109.3	11041.3	10072.2	103.0	73.0	88.0	4859.8	8329.2	6510.0	13969.0	19370.4	16582.2
5	2.0	LEX ARCH	63.0	63.0	63.0	11486.0	11486.0	11486.0	37.0	37.0	37.0	12476.5	12476.5	12476.5	23962.5	23962.5	23962.5
6	1.0	DRES	43.0	43.0	43.0	8096.5	8096.5	8096.5	57.0	69.0	63.0	3809.2	2059.0	2839.3	11905.7	10151.5	10935.8
7	1.0	FISH SPR	108.0	114.0	111.0	147.4	85.6	112.7	97.0	105.0	101.0	308.2	159.4	223.1	455.6	245.0	335.8
8	1.0	FUN BUTTE	85.0	85.0	85.0	902.3	902.3	902.3	114.0	114.0	114.0	71.3	71.3	71.3	973.6	973.6	973.6
9	1.0	TOPAZ	85.0	89.0	87.0	902.3	679.1	784.1	110.0	114.0	112.0	102.8	71.3	85.7	1005.0	750.4	869.8
10	1.0	CLEAR LAKE	63.0	71.0	67.0	3408.0	2200.3	2796.3	124.0	126.0	125.0	27.0	22.0	24.4	3435.0	2222.3	2780.7
11	1.0	DEER HAB A	67.0	83.0	75.0	2756.3	1034.9	1733.6	146.0	146.0	146.0	2.4	2.4	2.4	2758.7	1037.3	1736.0
12	2.0	ANT SPR TR	73.0	81.0	77.0	9997.7	8816.6	9403.9	87.0	95.0	91.0	6627.3	3712.3	6162.9	16625.0	14528.9	15566.8
13	1.0	STEAMBOAT	48.0	48.0	48.0	6724.3	6724.3	6724.3	104.0	104.0	104.0	173.6	173.6	173.6	6897.8	6897.8	6897.8
14	3.0	CEDAR BRKS	56.0	56.0	56.0	14938.0	14938.0	14938.0	156.0	156.0	156.0	4758.2	4758.2	4758.2	19696.2	19696.2	19696.2
15	3.0	BRYCE CYN	72.0	80.0	76.0	13613.0	12882.6	13252.4	184.0	184.0	184.0	3089.8	3089.8	3089.8	16702.9	15972.5	16342.3
16	1.0	DEER HAB B	46.0	46.0	46.0	7260.6	7260.6	7260.6	148.0	154.0	151.0	1.9	0.9	1.3	7262.4	7261.5	7261.9
17	3.0	ZION NP	56.0	88.0	72.0	14938.0	12120.9	13613.0	152.0	184.0	168.0	5031.6	3089.8	3989.0	19969.6	15210.7	17602.0
18	2.0	RED MTNS	90.0	95.0	92.5	7535.3	6856.6	7192.5	152.0	160.0	156.0	1358.0	1052.6	1197.5	8893.3	7909.2	8390.1
19	1.0	JOSHUA TR	108.0	108.0	108.0	147.4	147.4	147.4	164.0	164.0	164.0	0.2	0.2	0.2	147.6	147.6	147.6
20	1.0	DEER HAB C	80.0	96.0	88.0	1263.5	400.3	730.0	148.0	152.0	150.0	1.9	1.2	1.5	1265.4	401.5	731.5
21	1.0	RIP ARCH	92.0	92.0	92.0	544.1	544.1	544.1	144.0	144.0	144.0	3.0	3.0	3.0	547.2	547.2	547.2
22	2.0	RUBY MTNS	196.0	204.0	200.0	341.7	246.5	290.7	85.0	101.0	93.0	6864.0	5066.4	5935.7	7205.7	5312.9	6226.4
23	3.0	RUBY LAKE	176.0	184.0	180.0	4226.3	3708.8	3962.0	66.0	76.0	71.0	11775.1	11040.7	11415.0	16001.4	14749.5	15376.9
24	1.0	FRANK LK	184.0	190.0	187.0	0.0	0.0	0.0	77.0	83.0	80.0	1275.8	862.2	1052.6	1275.8	862.2	1052.6
25	1.0	IND PEAK	36.0	40.0	38.0	10146.7	8962.7	9551.9	76.0	82.0	79.0	1358.0	922.2	1123.2	11504.7	9884.9	10675.1
26	1.0	LUN CRATER	166.0	166.0	166.0	0.2	0.2	0.2	92.0	92.0	92.0	453.3	453.3	453.3	453.5	453.5	453.5
27	1.0	HICKS STN	176.0	176.0	176.0	0.1	0.1	0.1	80.0	80.0	80.0	1052.6	1052.6	1052.6	1052.7	1052.7	1052.7
28	2.0	MOREY PK	174.0	180.0	177.0	784.1	631.3	704.2	88.0	96.0	92.0	6510.0	3602.1	6048.8	7294.1	6233.3	6753.0
29	1.0	NV WH RGE	168.0	184.0	176.0	0.2	0.0	0.1	128.0	160.0	144.0	17.9	0.4	3.0	18.1	0.4	3.1
30	2.0	ARC DOME	232.0	232.0	232.0	70.9	70.9	70.9	140.0	140.0	140.0	1941.7	1941.7	1941.7	2012.6	2012.6	2012.6
31	2.0	ICTHY SITE	252.0	252.0	252.0	26.4	26.4	26.4	152.0	152.0	152.0	1358.0	1358.0	1358.0	1384.4	1384.4	1384.4
32	1.0	RBTS MTNS	198.0	212.0	205.0	0.0	0.0	0.0	82.0	96.0	89.0	922.2	333.5	563.8	922.2	333.5	563.8
33	2.0	DIA PUNCH	208.0	208.0	208.0	208.3	208.3	208.3	102.0	102.0	102.0	4962.5	4962.5	4962.5	5170.8	5170.8	5170.8
34	1.0	GOLD JOSH	236.0	236.0	236.0	0.0	0.0	0.0	172.0	172.0	172.0	0.1	0.1	0.1	0.1	0.1	0.1
35	3.0	DEATH VAL	236.0	248.0	242.0	1377.4	1058.5	1209.5	192.0	208.0	200.0	2695.8	2016.7	2338.4	4073.3	3075.2	3547.9
36	2.0	WHITE MTN	288.0	296.0	292.0	3.6	2.3	2.9	208.0	216.0	212.0	173.6	122.8	146.2	177.2	125.0	149.1
37	1.0	HOT CRK RG	176.0	192.0	184.0	0.1	0.0	0.0	88.0	112.0	100.0	608.2	85.7	242.2	608.2	85.7	242.2
38	1.0	SARCOB FLT	232.0	240.0	236.0	0.0	0.0	0.0	184.0	192.0	188.0	0.0	0.0	0.0	0.0	0.0	0.0
39	2.0	DTH VAL OV	260.0	268.0	264.0	17.4	11.3	14.0	200.0	208.0	204.0	242.2	173.6	205.4	259.6	184.9	219.4
40	1.0	LEV CAVE	148.0	148.0	148.0	2.3	2.3	2.3	112.0	112.0	112.0	85.7	85.7	85.7	88.0	88.0	88.0
41	2.0	TROY PEAK	136.0	144.0	140.0	2608.5	2075.5	2330.6	72.0	92.0	82.0	8453.3	6048.8	7224.1	11061.9	8124.4	9554.7
42	2.0	RR VAL WMA	140.0	152.0	146.0	2330.6	1630.0	1956.2	60.0	76.0	68.0	9936.3	7957.8	8950.5	12266.9	9587.8	10906.7
43	1.0	LOCKES RCH	152.0	152.0	152.0	1.4	1.4	1.4	72.0	72.0	72.0	1729.1	1729.1	1729.1	1730.5	1730.5	1730.5
44	1.0	DUCK H20	152.0	152.0	152.0	1.4	1.4	1.4	52.0	52.0	52.0	4758.2	4758.2	4758.2	4759.6	4759.6	4759.6
45	1.0	HEUSSER MT	136.0	136.0	136.0	9.1	9.1	9.1	20.0	20.0	20.0	12185.9	12185.9	12185.9	12194.9	12194.9	12194.9
46	1.0	WILD GRANS	232.0	232.0	232.0	0.0	0.0	0.0	128.0	128.0	128.0	17.9	17.9	17.9	17.9	17.9	17.9
47	1.0	MT JEFF	216.0	216.0	216.0	0.0	0.0	0.0	120.0	120.0	120.0	40.2	40.2	40.2	40.2	40.2	40.2
48	1.0	GOSH CAVE	152.0	152.0	152.0	1.4	1.4	1.4	38.0	38.0	38.0	3634.5	3634.5	3634.5	3635.9	3635.9	3635.9
49	1.0	GOSH CYN	148.0	148.0	148.0	2.3	2.3	2.3	54.0	54.0	54.0	4363.8	4363.8	4363.8	4366.0	4366.0	4366.0
50	1.0	HERC GAP	132.0	132.0	132.0	14.0	14.0	14.0	6.0	6.0	6.0	14137.7	14137.7	14137.7	14151.8	14151.8	14151.8
51	2.0	MT GRAFTON	90.0	96.0	93.0	7535.3	6724.3	7124.8	36.0	52.0	44.0	12569.8	10887.6	11775.1	20105.1	17611.8	18899.9
52	1.0	WHIPL CAVE	104.0	104.0	104.0	208.3	208.3	208.3	52.0	52.0	52.0	4758.2	4758.2	4758.2	4966.5	4966.5	4966.5
53	2.0	HILND RNG	90.0	96.0	93.0	7535.3	6724.3	7124.8	94.0	104.0	99.0	5823.3	4758.2	5277.4	13358.8	11482.4	12402.2
54	2.0	MT MORIAH	80.0	96.0	88.0	8962.7	6724.3	7814.1	28.0	42.0	35.0	13244.0	11983.6	12661.2	22206.6	18707.9	20475.2
55	1.0	SWMP CEDAR	84.0	84.0	84.0	966.7	966.7	966.7	34.0	40.0	37.0	8950.5	7466.9	8205.2	9917.1	8433.6	9171.9
56	1.0	SPR VAL FL	94.0	98.0	96.0	467.5	341.7	400.3	20.0	26.0	23.0	12185.9	10887.6	11360.8	12653.3	11229.3	11761.1
57	1.0	SHOS PYGMY	92.0	92.0	92.0	544.1	544.1	544.1	28.0	28.0	28.0	10418.1	10418.1	10418.1	10962.2	10962.2	10962.2
58	1.0	SPR VAL SW	82.0	82.0	82.0	1107.0	1107.0	1107.0	36.0	40.0	38.0	8453.3	7466.9	7957.8	9560.3	8573.9	9064.8
59	1.0	SHOS PONDS	84.0	84.0	84.0	966.7	966.7	966.7	36.0	36.0	36.0	8453.3	8453.3	8453.3	9420.0	9420.0	9420.0
60	2.0	GLEASN CYN	72.0	78.0	75.0	10146.7	9256.4	9700.2	106.0	110.0	108.0	4358.6	4173.9	4363.8	14705.3	13430.3	14064.0
61	1.0	BIG SPRG	76.0	76.0	76.0	1630.0	1630.0	1630.0	104.0	104.0	104.0	173.6	173.6	173.6	1803.6	1803.6	1803.6
62	2.0	CATH GORGE	88.0	88.0	88.0	7814.1	7814.1	7814.1	104.0	104.0	104.0	4758.2	4758.2	4758.2	12572.3	12572.3	12572.3
63	1.0	PR BIG SPR	120.0	120.0	120.0	48.2	48.2	48.2	28.0	28.0	28.0	10418.1	10418.1	10418.1	10466.3	10466.3	10466.3
64	1.0	MOR SPR FS	118.0	118.0	118.0	38.6	38.6	38.6	50.0	50.0	50.0	3171.3	3171.3	3171.3	3229.9	3229.9	3229.9
65	2.0	WYNE KIRCH	110.0	120.0	115.0	5010.0	3962.0	4466.7	60.0	70.0	65.0	9936.3	8701.9	9322.4	14946.3	12663.9	13789.0
66	1.0	HOT CRK SP	116.0	116.0	116.0	70.9	70.9	70.9	64.0	64.0	64.0	2695.8	2695.8	2695.8	2766.8	2766.8	2766.8
67	1.0	PAH VAL FS	132.0	140.0	136.0	14.0	3.8	9.1	118.0	130.0	124.0	48.8	14.5	27.0	62.9	20.3	36.1
68	1.0	PAH BONY	136.0	140.0	138.0	9.1	3.8	7.2	122.0	138.0	130.0	33.0	6.0	14.5	42.1	11.8	21.7
69	1.0	PAH LAKES	140.0	142.0	141.0	5.8	4.6	5.2	138.0	146.0	142.0	6.0	2.4	3.8	11.8	7.0	9.0
70	1.0	DNWR	144.0	204.0	174.0	3.6	0.0	0.1	144.0	206.0	175.0	3.0	0.0	0.1	6.7	0.0	0.1
71	1.0	MOA VA FSH	152.0	152.0	152.0	1.4	1.4	1.4	180.0	180.0	180.0	0.0	0.0	0.0	1.4	1.4	1.4
72	2.0	KEY PIT	136.0	136.0	136.0	2608.5	2608.5	2608.5	122.0	122.0	122.0	3141.7	3141.7	3141.7	5750.2	5750.2	5750.2
73	1.0	PUP FSH RF	212.0	232.0	222.0	0.0	0.0	0.0	200.0	220.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0
74	2.0	BIG DUNE	232.0	232.0	232.0	70.9	70.9	70.9	208.0	208.0	208.0	173.6	173.6	173.6	244.5	244.5	244.5
75	3.0	PYRAMID LK	368.0	384.0	376.0	37.0	21.5	28.3	248.0	256.0	252.0	881.8	734.5	805.4	918.9	755.9	833.6
76	2.0	VAL FIRE	156.0	164.0	160.0	1437.4	1107.0	1263.5	194.0	202.0	198.0	308.2	223.1	262.7	1745.7	1330.1	1526.2
77	1.0	VIRGIN R	124.0	140.0	132.0	32.4	5.8	14.0	180.0	184.0	182.0	0.0	0.0	0.0	32.4	5.8	14.1
78	1.0	VIRGIN MT	128.0	152.0	140.0	21.5	1.4	5.8	180.0	200.0	190.0	0.0	0.0	0.0	21.5	1.4	5.8
79	1.0	MORM MESA	142.0	154.0	148.0	4.6	1.1	2.3	184.0	196.0	190.0	0.0	0.0	0.0	4.6	1.1	2.3

EFFECT INDEX OF BASING ALTERNATIVES ON SIGNIF. NATURAL AREAS

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	2.0	WHEELER PK	63.0	75.0	69.0	11486.0	9700.2	10594.3	132.0	144.0	138.0	2060.7	1469.8	1746.8	13546.8	11170.0	12341.0
2	3.0	LEHMAN CAV	75.0	75.0	75.0	13343.5	13343.5	13343.5	140.0	140.0	140.0	5013.5	5013.5	5013.5	18357.0	18357.0	18357.0
3	1.0	GANDY CAVE	85.0	85.0	85.0	902.3	902.3	902.3	196.0	196.0	196.0	0.0	0.0	0.0	902.3	902.3	902.3
4	2.0	G B N P	79.0	66.0	72.5	9109.3	11041.3	10072.2	132.0	160.0	146.0	2060.7	894.7	1385.3	11170.0	11936.0	11457.5
5	2.0	LEX ARCH	63.0	63.0	63.0	11486.0	11486.0	11486.0	132.0	132.0	132.0	2060.7	2060.7	2060.7	13546.8	13546.8	13546.8
6	1.0	DRES	43.0	43.0	43.0	8096.5	8096.5	8096.5	140.0	152.0	146.0	4.1	1.0	2.0	8100.6	8097.5	8098.6
7	1.0	FISH SPR	108.0	114.0	111.0	147.4	85.6	112.7	224.0	230.0	227.0	0.0	0.0	0.0	147.4	85.6	112.7
8	1.0	FUR BUTTE	85.0	85.0	85.0	902.3	902.3	902.3	219.0	219.0	219.0	0.0	0.0	0.0	902.3	902.3	902.3
9	1.0	TOPAZ	85.0	89.0	87.0	902.3	679.1	784.1	215.0	313.0	264.0	0.0	0.0	0.0	902.3	679.1	784.1
10	1.0	CLEAR LAKE	63.0	71.0	67.0	3408.0	2200.3	2756.3	199.0	207.0	203.0	0.0	0.0	0.0	3408.0	2200.3	2756.3
11	1.0	DEER HAB A	67.0	83.0	75.0	2756.3	1034.9	1733.6	203.0	219.0	211.0	0.0	0.0	0.0	2756.3	1034.9	1733.6
12	2.0	ANT SPR TR	73.0	81.0	77.0	9997.7	8816.6	9403.9	204.0	212.0	208.0	174.6	124.3	147.5	10172.2	8940.9	9551.5
13	1.0	STEAMBOAT	48.0	48.0	48.0	6724.3	6724.3	6724.3	112.0	112.0	112.0	72.9	72.9	72.9	6797.1	6797.1	6797.1
14	3.0	CEDAR BRKS	56.0	56.0	56.0	14938.0	14938.0	14938.0	132.0	132.0	132.0	5533.5	5533.5	5533.5	20471.5	20471.5	20471.5
15	3.0	BRYCE CYN	72.0	80.0	76.0	13613.0	12882.6	13252.4	156.0	172.0	164.0	4044.5	3187.9	3601.1	17657.5	16070.5	16853.6
16	1.0	DEER HAB B	46.0	46.0	46.0	7260.6	7260.6	7260.6	128.0	144.0	136.0	15.2	2.6	6.4	7275.8	7263.1	7267.0
17	3.0	ZION NP	56.0	88.0	72.0	14938.0	12120.9	13613.0	106.0	120.0	113.0	7326.2	6346.9	6834.2	22264.2	18467.7	20447.2
18	2.0	RED MTNS	90.0	95.0	92.5	7535.3	6856.6	7192.5	72.0	80.0	76.0	7185.4	6346.9	6764.2	14720.7	13203.5	13956.7
19	1.0	JOSHUA TR	108.0	108.0	108.0	147.4	147.4	147.4	64.0	64.0	64.0	2291.5	2291.5	2291.5	2438.8	2438.8	2438.8
20	1.0	DEER HAB C	80.0	96.0	88.0	1263.5	400.3	730.0	68.0	84.0	76.0	1847.2	684.6	1154.3	3110.7	1084.9	1884.3
21	1.0	RIP ARCH	92.0	92.0	92.0	544.1	544.1	544.1	70.0	70.0	70.0	1650.4	1650.4	1650.4	2194.5	2194.5	2194.5
22	2.0	RUBY MTNS	196.0	204.0	200.0	341.7	246.5	290.7	252.0	268.0	260.0	18.7	8.0	12.3	360.4	254.5	303.0
23	3.0	RUBY LAKE	176.0	184.0	180.0	4226.3	3708.8	3962.0	232.0	248.0	240.0	1061.9	749.6	894.7	5288.1	4458.4	4856.7
24	1.0	FRANK LK	184.0	190.0	187.0	0.0	0.0	0.0	248.0	252.0	250.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	IND PEAK	36.0	40.0	38.0	10146.7	8962.7	9551.9	112.0	118.0	115.0	72.9	41.5	55.2	10219.6	9004.2	9607.1
26	1.0	LUN CRATER	166.0	166.0	166.0	0.2	0.2	0.2	120.0	120.0	120.0	34.2	34.2	34.2	34.4	34.4	34.4
27	1.0	HICKS STN	176.0	176.0	176.0	0.1	0.1	0.1	156.0	156.0	156.0	0.6	0.6	0.6	0.6	0.6	0.6
28	2.0	MOREY PK	174.0	180.0	177.0	784.1	631.3	704.2	140.0	148.0	144.0	1630.4	1304.6	1469.8	2434.5	1935.9	2174.0
29	1.0	NV WH RGE	168.0	184.0	176.0	0.2	0.0	0.1	80.0	100.0	90.0	894.7	205.9	447.0	894.9	205.9	447.1
30	2.0	ARC DOME	232.0	232.0	232.0	70.9	70.9	70.9	192.0	192.0	192.0	283.5	283.5	283.5	354.4	354.4	354.4
31	2.0	ICTHY SITE	252.0	252.0	252.0	26.4	26.4	26.4	204.0	204.0	204.0	174.6	174.6	174.6	201.0	201.0	201.0
32	1.0	RBTS MTNS	198.0	212.0	205.0	0.0	0.0	0.0	214.0	226.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.0	DIA PUNCH	208.0	208.0	208.0	208.3	208.3	208.3	186.0	186.0	186.0	357.3	357.3	357.3	565.6	565.6	565.6
34	1.0	GOLD JOSH	236.0	236.0	236.0	0.0	0.0	0.0	140.0	140.0	140.0	4.1	4.1	4.1	4.1	4.1	4.1
35	3.0	DEATH VAL	236.0	248.0	242.0	1377.4	1058.5	1209.5	112.0	124.0	118.0	6904.2	6072.1	6485.4	8281.7	7130.6	7694.8
36	2.0	WHITE MTN	288.0	296.0	292.0	3.6	2.3	2.9	192.0	204.0	198.0	283.5	174.6	220.3	287.1	176.8	226.1
37	1.0	HOT CRK RG	176.0	192.0	184.0	0.1	0.0	0.0	124.0	148.0	136.0	22.9	1.6	6.4	23.0	1.6	6.4
38	1.0	SARCOB FLT	232.0	240.0	236.0	0.0	0.0	0.0	114.0	126.0	120.0	60.6	18.7	34.2	60.6	18.7	34.2
39	2.0	DTH VAL OV	260.0	268.0	264.0	17.4	11.3	14.0	152.0	158.0	155.0	1154.3	954.7	1050.7	1171.7	966.0	1064.8
40	1.0	LEV CAVE	148.0	148.0	148.0	2.3	2.3	2.3	72.0	72.0	72.0	1469.8	1469.8	1469.8	1472.0	1472.0	1472.0
41	2.0	TROY PEAK	136.0	144.0	140.0	2608.5	2079.5	2330.6	92.0	112.0	102.0	5141.5	3390.7	4218.1	7750.1	5466.2	6548.7
42	2.0	RR VAL WMA	140.0	152.0	146.0	2330.6	1630.0	1956.2	120.0	124.0	122.0	2805.7	2539.7	2670.5	5136.3	4169.7	4626.7
43	1.0	LOCKES RCH	152.0	152.0	152.0	1.4	1.4	1.4	128.0	128.0	128.0	15.2	15.2	15.2	16.6	16.6	16.6
44	1.0	DUCK H2O	152.0	152.0	152.0	1.4	1.4	1.4	148.0	148.0	148.0	1.6	1.6	1.6	3.0	3.0	3.0
45	1.0	MEUSSER MT	136.0	136.0	136.0	9.1	9.1	9.1	184.0	184.0	184.0	0.0	0.0	0.0	9.1	9.1	9.1
46	1.0	WILD GRANS	232.0	232.0	232.0	0.0	0.0	0.0	200.0	200.0	200.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1.0	MT JEFF	216.0	216.0	216.0	0.0	0.0	0.0	172.0	172.0	172.0	0.1	0.1	0.1	0.1	0.1	0.1
48	1.0	GOSH CAVE	152.0	152.0	152.0	1.4	1.4	1.4	224.0	224.0	224.0	0.0	0.0	0.0	1.4	1.4	1.4
49	1.0	GOSH CYN	148.0	148.0	148.0	2.3	2.3	2.3	220.0	220.0	220.0	0.0	0.0	0.0	2.3	2.3	2.3
50	1.0	HERC GAP	132.0	132.0	132.0	14.0	14.0	14.0	172.0	172.0	172.0	0.1	0.1	0.1	14.1	14.1	14.1
51	2.0	MT GRAFTON	90.0	96.0	93.0	7535.3	6724.3	7124.8	116.0	132.0	124.0	3089.4	2060.7	2539.7	10624.7	8785.0	9664.5
52	1.0	WHIPL CAVE	104.0	104.0	104.0	208.3	208.3	208.3	116.0	116.0	116.0	50.2	50.2	50.2	258.6	258.6	258.6
53	2.0	HILND RNG	90.0	96.0	93.0	7535.3	6724.3	7124.8	68.0	76.0	72.0	7607.9	6764.2	7185.4	15143.2	13488.4	14310.1
54	2.0	MT MORIAH	80.0	96.0	88.0	8962.7	6724.3	7814.1	162.0	180.0	171.0	837.8	447.0	617.1	9800.5	7171.3	8431.2
55	1.0	SWPP CEDAR	84.0	84.0	84.0	966.7	966.7	966.7	138.0	146.0	142.0	5.1	2.0	3.2	971.8	968.7	969.9
56	1.0	SPR VAL FL	94.0	98.0	96.0	467.5	341.7	400.3	152.0	154.0	153.0	1.0	0.8	0.9	468.5	342.4	401.2
57	1.0	SHOS PYGMY	92.0	92.0	92.0	544.1	544.1	544.1	152.0	152.0	152.0	1.0	1.0	1.0	545.1	545.1	545.1
58	1.0	SPR VAL SW	82.0	82.0	82.0	1107.0	1107.0	1107.0	140.0	144.0	142.0	4.1	2.6	3.2	1111.1	1109.6	1110.2
59	1.0	SHOS PONDS	84.0	84.0	84.0	966.7	966.7	966.7	144.0	144.0	144.0	2.6	2.6	2.6	969.3	969.3	969.3
60	2.0	GUEASN CYN	72.0	78.0	75.0	10146.7	9236.4	9700.2	76.0	84.0	80.0	6764.2	5935.9	6346.9	16910.9	15192.3	16047.1
61	1.0	BIG SPRG	76.0	76.0	76.0	1630.0	1630.0	1630.0	76.0	76.0	76.0	1154.3	1154.3	1154.3	2784.3	2784.3	2784.3
62	2.0	CATH GORGE	88.0	88.0	88.0	7814.1	7814.1	7814.1	72.0	72.0	72.0	7185.4	7185.4	7185.4	14999.4	14999.4	14999.4
63	1.0	PR BIG SPR	120.0	120.0	120.0	48.2	48.2	48.2	142.0	142.0	142.0	3.2	3.2	3.2	51.5	51.5	51.5
64	1.0	MOR SPR FS	118.0	118.0	118.0	58.6	58.6	58.6	120.0	120.0	120.0	34.2	34.2	34.2	92.8	92.8	92.8
65	2.0	WYNE KIRCH	110.0	120.0	115.0	5010.0	3962.0	4466.7	100.0	108.0	104.0	4395.7	3709.2	4044.5	9405.7	7671.2	8511.1
66	1.0	HOT CRK SP	116.0	116.0	116.0	70.9	70.9	70.9	104.0	104.0	104.0	147.5	147.5	147.5	218.5	218.5	218.5
67	1.0	PAH VAL FS	132.0	140.0	136.0	14.0	5.8	9.1	40.0	52.0	46.0	6346.9	4044.5	5141.5	6360.9	4050.3	5150.6
68	1.0	PAH BONY	136.0	140.0	138.0	9.1	5.8	7.2	32.0	48.0	40.0	8029.1	4761.8	6346.9	8038.1	4767.5	6354.1
69	1.0	PAH LAKES	140.0	142.0	141.0	5.8	4.6	5.2	24.0	32.0	28.0	9640.0	8029.1	8835.6	9645.8	8033.6	8840.5
70	1.0	DRAW	144.0	204.0	174.0	3.6	0.0	0.1	2.0	36.0	29.0	12175.1	3390.7	8651.7	12178.7	3390.7	8831.8
71	1.0	HOA VA FSH	152.0	152.0	152.0	1.4	1.4	1.4	20.0	20.0	20.0	10358.0	10358.0	10358.0	10359.4	10359.4	10359.4
72	2.0	KEY PIT	136.0	136.0	136.0	2608.5	2608.5	2608.5	48.0	48.0	48.0	9640.0	9640.0	9640.0	12248.5	12248.5	12248.5
73	1.0	PUP FSH RF	212.0	232.0	222.0	0.0	0.0	0.0	70.0	88.0	79.0	1630.4	317.0	934.7	1630.4	317.0	934.7
74	2.0	BIG DUNE	232.0	232.0	232.0	70.9	70.9	70.9	96.0	96.0	96.0	4761.8	4761.8	4761.8	4832.7	4832.7	4832.7
75	3.0	PYRAMID LK	368.0	384.0	376.0	37.0	21.5	28.3	316.0	344.0	330.0	131.7	36.9	87.4	168.7	78.4	115.6
76	2.0	VAL FIRE	156.0	164.0	160.0	1437.4	1107.0	1263.5	34.0	44.0	39.0	10838.1	10008.9	10441.9	12275.5	11115.9	11705.4
77	1.0	VIRGIN R	124.0	140.0	132.0	32.4	5.8	14.0	44.0	44.0	44.0	5533.5	5533.5	5533.5	5565.9	5539.3	5547.5
78	1.0	VIRGIN MT	128.0	152.0	140.0	21.5	1.4	5.8	44.0	56.0	50.0	5533.5	3390.7	4395.7	5555.0	3392.0	4401.4
79	1.0	MORM MESA	142.0	154.0	148.0	4.6	1.1	2.3	36.0	42.0	39.0	7185.4	5935.9	6554.9	7190.0	5937.0	6557.1

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON SIGNIF NATURAL AREAS

NO.	LOCATION NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
1	WHEELER PK	2.0	10328.3	9295.4	10465.3	22090.3	10998.9	23432.4	12341.0
2	LEHMAN CAV	3.0	16692.1	15934.5	17163.2	26131.8	17410.2	27078.6	18337.0
3	GANDY CAVE	1.0	684.8	119.9	4731.4	7382.4	158.3	8126.3	902.3
4	G B N P	2.0	9458.7	6161.1	9049.5	12249.1	7124.4	16582.2	11457.5
5	LEX ARCH	2.0	11416.2	10371.2	10403.2	22606.2	12190.4	23962.5	13546.8
6	DRES	1.0	6148.0	4441.8	2192.0	8699.7	5862.5	10935.8	8098.6
7	FISH SPR	1.0	85.6	6.0	4930.6	231.1	8.0	335.8	112.7
8	FUN BUTTE	1.0	684.8	29.5	12321.8	110.3	39.0	973.6	902.3
9	TOPAZ	1.0	595.1	39.6	13131.9	138.1	52.3	849.8	784.1
10	CLEAR LAKE	1.0	2092.1	153.3	11984.5	229.4	205.0	2780.7	2756.3
11	DEER HAB A	1.0	1315.8	76.7	9006.1	103.6	101.3	1736.0	1733.6
12	ANT SPR TR	2.0	7330.9	4096.8	11998.1	11316.2	5300.9	15566.8	9351.5
13	STEAMBOAT	1.0	5199.2	10240.6	177.2	13566.8	13466.2	6897.8	6797.1
14	CEDAR BRKS	3.0	18583.2	18805.7	14364.3	20020.2	20795.5	19696.2	20471.5
15	BRYCE CYN	3.0	14773.8	14034.4	11526.0	15393.0	15904.3	16342.3	16853.6
16	DEER HAB B	1.0	5514.3	6042.4	90.2	7967.1	7972.2	7261.9	7267.0
17	ZION NP	3.0	19280.5	20607.7	14289.2	19381.7	22226.8	17602.0	20447.2
18	RED MTNS	2.0	14315.6	20182.3	9860.0	16149.7	21716.3	8390.1	13956.7
19	JOSHUA TR	1.0	3112.1	8011.5	3000.3	6616.0	8907.2	147.6	2438.6
20	DEER HAB C	1.0	2065.4	10830.7	1512.0	12304.6	13437.4	731.5	1884.3
21	RIP ARCH	1.0	2573.9	11049.3	2161.3	11737.2	13384.6	547.2	2194.5
22	RUBY MTNS	2.0	236.8	126.0	596.0	6080.7	157.3	6226.4	303.0
23	RUBY LAKE	3.0	4178.7	3583.0	5091.7	14598.6	4078.4	15376.9	4856.7
24	FRANK LK	1.0	0.0	0.0	0.1	1052.6	0.0	1052.6	0.0
25	IND PEAK	1.0	7322.3	9391.7	252.3	13426.4	12358.3	10675.1	9607.1
26	LUN CRATER	1.0	44.9	49.0	44.7	459.0	39.8	453.5	34.4
27	MICKS STN	1.0	0.8	1.1	0.8	1053.1	1.1	1052.7	0.6
28	MOREY PK	2.0	2458.9	2962.0	2052.2	7418.6	2839.6	6753.0	2174.0
29	NV WH RGE	1.0	585.4	586.6	585.3	4.8	448.8	3.1	447.1
30	ARC DOME	2.0	425.0	502.0	382.3	2114.3	456.2	2012.6	354.4
31	ICTHY SITE	2.0	248.6	292.3	233.1	1442.2	258.8	1384.4	201.0
32	RBTS MTNS	1.0	0.0	0.0	0.0	565.8	0.0	565.8	0.0
33	DIA PUNCH	2.0	626.0	816.2	529.7	5422.4	817.2	5170.8	565.6
34	GOLD JOSH	1.0	5.4	5.4	5.4	0.1	4.1	0.1	4.1
35	DEATH VAL	3.0	9409.4	10583.2	8795.6	5100.0	9247.0	3547.9	7694.8
36	WHITE MTN	2.0	294.5	304.0	292.5	161.6	238.6	149.1	226.1
37	HOT CRK RG	1.0	8.4	9.0	8.4	243.0	7.2	242.2	6.4
38	SARCOB FLT	1.0	44.7	44.7	44.7	0.0	34.2	0.0	34.2
39	DTH VAL OV	2.0	1386.4	1439.5	1376.4	289.6	1134.9	219.4	1064.8
40	LEV CAVE	1.0	1926.1	2016.3	1924.4	207.1	1391.1	88.0	1472.0
41	TROY PEAK	2.0	7291.8	9173.3	3955.1	12043.3	9037.3	9354.7	6348.7
42	RR VAL WMA	2.0	4981.3	6169.2	3997.9	12479.0	6199.0	10906.7	4626.7
43	LOCKES RCH	1.0	21.0	33.4	19.9	1747.0	33.1	1730.5	16.6
44	DUCK H2O	1.0	3.1	8.8	2.2	4767.1	10.5	4759.6	3.0
45	HEUSSER MT	1.0	6.9	6.8	11.2	12194.8	8.9	12194.9	9.1
46	WILD GRANS	1.0	0.0	0.0	0.0	17.9	0.0	17.9	0.0
47	MT JEFF	1.0	0.1	0.1	0.1	40.2	0.1	40.2	0.1
48	GOSH CAVE	1.0	1.0	0.2	17.1	3634.8	0.2	3635.9	1.4
49	GOSH CYN	1.0	1.7	0.3	21.0	4364.1	0.4	4366.0	2.3
50	MERC GAP	1.0	10.7	24.2	25.8	14169.6	31.9	14151.8	14.1
51	MT GRAFTON	2.0	8733.1	9572.2	5963.3	20022.2	10786.7	18899.9	9664.5
52	WHIPL CAVE	1.0	223.9	786.2	70.4	5709.3	1001.3	4966.5	258.6
53	HILND RNG	2.0	14815.7	18938.8	10743.2	17859.9	19767.8	12402.2	14310.1
54	MT MORIAH	2.0	6738.9	5528.8	6903.7	18893.5	6849.4	20475.2	8431.2
55	SWMP CEDAR	1.0	738.0	945.9	143.7	9448.3	1246.4	9171.9	969.9
56	SPR VAL FL	1.0	305.0	349.5	118.2	12020.8	460.8	11961.1	401.2
57	SHOS PYGMY	1.0	414.3	406.8	166.8	10953.4	536.3	10962.2	545.1
58	SPR VAL SW	1.0	844.5	631.3	143.7	8785.7	831.1	9064.8	1110.2
59	SHOS PONDS	1.0	737.1	723.8	168.9	9404.4	953.7	9420.0	969.3
60	GLEASN CYN	2.0	15672.7	19945.2	10213.7	19724.2	21707.3	14064.0	16047.1
61	BIG SPRG	1.0	2748.5	3190.8	1512.4	3991.6	4972.3	1803.6	2784.3
62	CATH GORGE	2.0	15338.8	19749.5	10871.2	18410.9	20838.1	12572.3	14999.4
63	PR BIG SPR	1.0	40.9	114.1	8.8	10563.1	148.3	10466.3	51.5
64	MOR SPR FS	1.0	89.2	307.6	45.8	3318.4	301.2	3229.9	92.8
65	WYNE KIRCH	2.0	8683.7	10808.4	5474.1	16600.4	11322.5	13789.0	8511.1
66	HOT CRK SP	1.0	247.0	398.7	194.0	3231.2	682.9	2766.8	218.5
67	PAH VAL FS	1.0	6738.7	7080.2	6731.9	486.9	5601.5	36.1	5150.6
68	PAH BONY	1.0	8315.5	8632.6	8310.0	440.3	6772.7	21.7	6354.1
69	PAH LAKES	1.0	11398.3	11916.9	11394.4	429.6	9281.2	9.0	8860.5
70	DNWR	1.0	11327.8	11343.8	11327.8	21.2	8672.7	0.1	8651.8
71	MOA VA FSH	1.0	13562.9	13717.1	13561.8	205.0	10563.0	1.4	10359.4
72	KEY PIT	2.0	14601.7	18032.7	12915.6	10285.1	16783.4	5750.2	12248.5
73	PUP FSH RF	1.0	1250.0	1250.1	1250.0	0.0	954.8	0.0	954.7
74	BIG DUNE	2.0	6288.4	6583.0	6236.9	633.5	5221.7	244.5	4832.7
75	PYRAMID LK	3.0	135.8	150.3	132.7	852.8	134.8	833.6	115.6
76	VAL FIRE	2.0	14630.6	16922.8	13727.9	4554.8	14734.0	1526.2	11709.4
77	VIRGIN R	1.0	7255.7	7789.1	7245.1	718.3	5251.7	14.1	5347.5
78	VIRGIN MT	1.0	5759.7	6077.8	5755.3	425.8	4821.4	5.8	4401.4
79	MORM MESA	1.0	8584.1	8766.1	8582.4	242.5	6797.4	2.3	6557.1

SIGNIF NATURAL AREAS RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
ZION NP	19280.5	ZION NP	20607.7	LEHMAN CAV	17163.2	LEHMAN CAV	26131.8	ZION NP	22226.8	LEHMAN CAV	27078.6	CEDAR BRKS	20471.5
CEDAR BRKS	18583.2	RED MTNS	20182.3	CEDAR BRKS	14364.3	LEX ARCH	22606.2	RED MTNS	21716.3	LEX ARCH	23962.5	ZION NP	20447.2
LEHMAN CAV	16692.1	GLEASN CYN	19945.2	ZION NP	14289.2	WHEELER PK	22090.3	GLEASN CYN	21707.3	WHEELER PK	23432.4	LEHMAN CAV	18337.0
GLEASN CYN	15672.7	CATH GORGE	19749.5	VAL FIRE	13727.9	MT GRAFTON	20022.2	CATH GORGE	20838.1	MT MORIAH	20475.2	BRYCE CYN	16853.6
CATH GORGE	15338.8	HILND RNG	18938.8	MOA VA FSH	13561.8	CEDAR BRKS	20020.2	CEDAR BRKS	20795.5	CEDAR BRKS	19696.2	GLEASN CYN	16047.1
HILND RNG	14815.7	CEDAR BRKS	18805.7	TOPAZ	13131.9	GLEASN CYN	19724.2	HILND RNG	19767.8	MT GRAFTON	18899.9	CATH GORGE	14999.4
BRYCE CYN	14773.8	KEY PIT	18032.7	KEY PIT	12915.6	ZION NP	19381.7	LEHMAN CAV	17410.2	ZION NP	17602.0	HILND RNG	14310.1
VAL FIRE	14630.6	VAL FIRE	16922.8	FUN BUTTE	12321.8	MT MORIAH	18893.5	KEY PIT	16783.4	G B N P	16582.2	RED MTNS	13956.7
KEY PIT	14601.7	LEHMAN CAV	15934.5	ANT SPR TR	11998.1	CATH GORGE	18410.9	BRYCE CYN	15904.3	BRYCE CYN	16342.3	LEX ARCH	13546.8
RED MTNS	14315.6	BRYCE CYN	14034.4	CLEAR LAKE	11984.5	HILND RNG	17859.9	VAL FIRE	14734.0	ANT SPR TR	15566.8	WHEELER PK	12341.0
MOA VA FSH	13562.9	MOA VA FSH	13717.1	PAH LAKES	11394.4	WYNE KIRCH	16600.4	STEAMBOAT	13466.2	RUBY LAKE	15376.9	KEY PIT	12248.5
PAH LAKES	11398.3	PAH LAKES	11916.9	BRYCE CYN	11526.0	RED MTNS	16149.7	DEER HAB C	13437.4	MERC GAP	14151.8	VAL FIRE	11709.4
LEX ARCH	11416.2	DNWR	11343.8	DNWR	11327.8	BRYCE CYN	15393.0	RIP ARCH	13384.6	GLEASN CYN	14064.0	G B N P	11457.5
DNWR	11327.8	RIP ARCH	11049.3	CATH GORGE	10871.2	RUBY LAKE	14598.6	IND PEAK	12358.3	WYNE KIRCH	13789.0	MOA VA FSH	10359.4
WHEELER PK	10328.3	DEER HAB C	10830.7	HILND RNG	10743.2	MERC GAP	14169.6	LEX ARCH	12190.4	CATH GORGE	12572.3		
		WYNE KIRCH	10808.4	WHEELER PK	10465.3	STEAMBOAT	13566.8	WYNE KIRCH	11322.5	HILND RNG	12402.2		
		DEATH VAL	10583.2	LEX ARCH	10403.2	IND PEAK	13426.4	WHEELER PK	10998.9	HEUSSER MT	12194.9		
		LEX ARCH	10371.2	GLEASN CYN	10214.7	RR VAL WMA	12479.0	MT GRAFTON	10786.7	SPR VAL FL	11961.1		
		STEAMBOAT	10240.6			DEER HAB C	12304.6	MOA VA FSH	10563.0	SHOS PYGMY	10962.2		
						G B N P	12249.1			DRES	10935.8		
						HEUSSER MT	12194.8			RR VAL WMA	10906.7		
						TROY PEAK	12043.3			IND PEAK	10675.1		
						SPR VAL FL	12020.8			PR BIG SPR	10466.3		
						RIP ARCH	11737.2						
						ANT SPR TR	11316.2						
						SHOS PYGMY	10953.4						
						PR BIG SPR	10563.1						
						KEY PIT	10285.1						

Ranking of alternatives by mean combined effect index, standard deviation and standard error for 79 significant natural areas.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	2	Coyote Delta	4,654	5,102	574	1
2	6	Milford Coyote	4,788	5,671	638	2
3	0	Coyote Milford	4,813	5,593	629	3
4	1	Coyote Beryl	5,500	6,387	719	4
5	4	Beryl Coyote	5,701	6,718	756	5
6	5	Milford Ely	6,364	6,991	786	6
7	3	Beryl Ely	7,278	7,174	807	7

3959

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO 0
BASE A: COYOTE LONG TERM POP 15967 0
BASE B: MILFORD LONG TERM POP 13071 0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	3.0	LAKE MEAD	56.0	56.0	56.0	13850.2	13850.2	13850.2	176.0	176.0	176.0	3207.8	3207.8	3207.8	17058.0	17058.0	17058.0
2	3.0	ZION PARK	116.0	116.0	116.0	8673.5	8673.5	8673.5	76.0	76.0	76.0	10058.8	10058.8	10058.8	18732.3	18732.3	18732.3
3	3.0	BRYCE CAN	168.0	168.0	168.0	4439.4	4439.4	4439.4	76.0	76.0	76.0	10058.8	10058.8	10058.8	14498.2	14498.2	14498.2
4	3.0	CEDAR BRKS	132.0	132.0	132.0	7245.1	7245.1	7245.1	56.0	56.0	56.0	11338.2	11338.2	11338.2	18583.2	18583.2	18583.2
5	1.0	WHITE RIV	152.0	152.0	152.0	1.3	1.3	1.3	132.0	132.0	132.0	10.7	10.7	10.7	11.9	11.9	11.9
6	1.0	WARD MT	168.0	168.0	168.0	0.2	0.2	0.2	120.0	120.0	120.0	36.6	36.6	36.6	36.8	36.8	36.8
7	1.0	SHELL CRK	172.0	188.0	180.0	0.1	0.0	0.0	104.0	120.0	112.0	158.1	36.6	78.1	158.2	36.6	78.1
8	2.0	WHEELER PK	160.0	160.0	160.0	1171.5	1171.5	1171.5	80.0	80.0	80.0	6802.8	6802.8	6802.8	7974.3	7974.3	7974.3
9	2.0	RUBY MTN	272.0	272.0	272.0	8.4	8.4	8.4	208.0	208.0	208.0	158.1	158.1	158.1	166.5	166.5	166.5
10	1.0	DIXIE W S	76.0	92.0	84.0	1511.3	304.5	896.3	80.0	80.0	80.0	959.0	959.0	959.0	2470.3	1463.5	1855.3
11	1.0	DIX E S	136.0	144.0	140.0	8.4	3.4	5.4	52.0	64.0	58.0	4335.0	2436.1	3311.3	4343.4	2439.4	3316.6
12	1.0	RED CANYON	160.0	160.0	160.0	0.5	0.5	0.5	64.0	64.0	64.0	2436.1	2436.1	2436.1	2436.5	2436.5	2436.5
13	1.0	KENTS LK	172.0	172.0	172.0	0.1	0.1	0.1	32.0	32.0	32.0	8605.8	8605.8	8605.8	8605.9	8605.9	8605.9
14	1.0	SHELL OIL	212.0	212.0	212.0	0.0	0.0	0.0	56.0	56.0	56.0	3634.2	3634.2	3634.2	3634.2	3634.2	3634.2
15	1.0	OAK CREEK	236.0	236.0	236.0	0.0	0.0	0.0	80.0	80.0	80.0	959.0	959.0	959.0	959.0	959.0	959.0
16	1.0	LITTLE VLY	264.0	264.0	264.0	0.0	0.0	0.0	116.0	116.0	116.0	53.8	53.8	53.8	53.8	53.8	53.8
17	2.0	VALLEY FIR	32.0	32.0	32.0	14382.8	14382.8	14382.8	160.0	160.0	160.0	959.0	959.0	959.0	15341.8	15341.8	15341.8
18	2.0	BEAVER DAM	72.0	72.0	72.0	9407.9	9407.9	9407.9	84.0	84.0	84.0	6362.3	6362.3	6362.3	15770.2	15770.2	15770.2
19	2.0	GORGE	76.0	76.0	76.0	8856.4	8856.4	8856.4	88.0	88.0	88.0	5931.0	5931.0	5931.0	14787.4	14787.4	14787.4
20	2.0	SNOW CYN	80.0	80.0	80.0	8310.0	8310.0	8310.0	92.0	92.0	92.0	5510.9	5510.9	5510.9	13820.9	13820.9	13820.9
21	2.0	ECHO CYN	92.0	92.0	92.0	6731.9	6731.9	6731.9	72.0	72.0	72.0	7701.5	7701.5	7701.5	14433.4	14433.4	14433.4
22	2.0	CORRAL PNK	128.0	128.0	128.0	3000.2	3000.2	3000.2	100.0	100.0	100.0	4711.4	4711.4	4711.4	7711.6	7711.6	7711.6
23	2.0	CHARCOAL	156.0	156.0	156.0	1332.8	1332.8	1332.8	112.0	112.0	112.0	3634.2	3634.2	3634.2	4967.0	4967.0	4967.0
24	1.0	GUNLOCK	72.0	72.0	72.0	1924.4	1924.4	1924.4	92.0	92.0	92.0	413.0	413.0	413.0	2337.4	2337.4	2337.4
25	2.0	ENTERPRISE	76.0	76.0	76.0	8856.4	8856.4	8856.4	80.0	80.0	80.0	6802.8	6802.8	6802.8	15659.2	15659.2	15659.2
26	1.0	NAVEPAN LK	144.0	144.0	144.0	3.4	3.4	3.4	64.0	64.0	64.0	2436.1	2436.1	2436.1	2439.4	2439.4	2439.4
27	2.0	OTTER CRK	192.0	192.0	192.0	371.2	371.2	371.2	60.0	60.0	60.0	9052.6	9052.6	9052.6	9423.7	9423.7	9423.7
28	2.0	PIUTE LAKE	180.0	180.0	180.0	585.3	585.3	585.3	44.0	44.0	44.0	10727.9	10727.9	10727.9	11313.2	11313.2	11313.2
29	2.0	MINNERSVLE	156.0	156.0	156.0	1332.8	1332.8	1332.8	16.0	16.0	16.0	12734.0	12734.0	12734.0	14066.7	14066.7	14066.7
30	2.0	YUBA LAKE	244.0	244.0	244.0	36.7	36.7	36.7	92.0	92.0	92.0	5510.9	5510.9	5510.9	5547.6	5547.6	5547.6
31	1.0	CUMINS LK	168.0	168.0	168.0	0.2	0.2	0.2	112.0	112.0	112.0	78.1	78.1	78.1	78.3	78.3	78.3
32	1.0	BASSETT LK	140.0	140.0	140.0	5.4	5.4	5.4	96.0	96.0	96.0	303.8	303.8	303.8	309.2	309.2	309.2
33	2.0	LAS VEGAS	24.0	24.0	24.0	15055.6	15055.6	15055.6	168.0	168.0	168.0	733.7	733.7	733.7	15789.3	15789.3	15789.3
34	1.0	SAND MOUNT	92.0	92.0	92.0	504.5	504.5	504.5	96.0	96.0	96.0	303.8	303.8	303.8	808.4	808.4	808.4
35	3.0	LITTLE SAN	248.0	248.0	248.0	981.4	981.4	981.4	100.0	100.0	100.0	8305.2	8305.2	8305.2	9286.6	9286.6	9286.6

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO. 1
BASE A COYOTE LONG TERM POP 15967 0
BASE B: BERYL LONG TERM POP 12834 0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	3.0	LAKE MEAD	56.0	56.0	56.0	13850.2	13850.2	13850.2	124.0	124.0	124.0	6390.3	6390.3	6390.3	20240.5	20240.5	20240.5
2	3.0	ZION PARK	116.0	116.0	116.0	8673.5	8673.5	8673.5	32.0	32.0	32.0	12251.6	12251.6	12251.6	20925.1	20925.1	20925.1
3	3.0	BRYCE CAN	168.0	168.0	168.0	4439.4	4439.4	4439.4	96.0	96.0	96.0	8449.8	8449.8	8449.8	12889.2	12889.2	12889.2
4	3.0	CEDAR BRKS	132.0	132.0	132.0	7245.1	7245.1	7245.1	56.0	56.0	56.0	11132.6	11132.6	11132.6	18377.6	18377.6	18377.6
5	1.0	WHITE RIV	152.0	152.0	152.0	1.3	1.3	1.3	116.0	116.0	116.0	52.9	52.9	52.9	54.1	54.1	54.1
6	1.0	WARD MT.	168.0	168.0	168.0	0.2	0.2	0.2	116.0	116.0	116.0	52.9	52.9	52.9	53.0	53.0	53.0
7	1.0	SHELL CRK	172.0	188.0	180.0	0.1	0.0	0.0	108.0	128.0	118.0	109.8	16.0	43.7	109.9	16.0	43.7
8	2.0	WHEELER PK	160.0	160.0	160.0	1171.5	1171.5	1171.5	88.0	88.0	88.0	5823.5	5823.5	5823.5	6994.9	6994.9	6994.9
9	2.0	RUBY MTN	272.0	272.0	272.0	9.4	8.4	8.4	232.0	232.0	232.0	52.9	52.9	52.9	61.3	61.3	61.3
10	1.0	DIXIE W S	76.0	92.0	84.0	1511.3	304.5	896.3	24.0	40.0	32.0	10145.2	6679.5	8449.8	11636.5	7184.0	9346.1
11	1.0	DIX E S	136.0	144.0	140.0	8.4	3.4	5.4	56.0	68.0	62.0	3368.3	1944.0	2672.8	3576.7	1947.4	2678.1
12	1.0	RED CANYON	160.0	160.0	160.0	0.5	0.5	0.5	84.0	84.0	84.0	720.4	720.4	720.4	720.9	720.9	720.9
13	1.0	KENTS LK	172.0	172.0	172.0	0.1	0.1	0.1	80.0	80.0	80.0	941.6	941.6	941.6	941.7	941.7	941.7
14	1.0	SHELL OIL	212.0	212.0	212.0	0.0	0.0	0.0	116.0	116.0	116.0	52.9	52.9	52.9	52.9	52.9	52.9
15	1.0	OAK CREEK	236.0	236.0	236.0	0.0	0.0	0.0	140.0	140.0	140.0	4.3	4.3	4.3	4.3	4.3	4.3
16	1.0	LITTLE VLY	264.0	264.0	264.0	0.0	0.0	0.0	172.0	172.0	172.0	0.1	0.1	0.1	0.1	0.1	0.1
17	2.0	VALLEY FIR	32.0	32.0	32.0	14382.8	14382.8	14382.8	104.0	104.0	104.0	4256.4	4256.4	4256.4	18639.2	18639.2	18639.2
18	2.0	BEAVER DAM	72.0	72.0	72.0	9407.9	9407.9	9407.9	28.0	28.0	28.0	11847.3	11847.3	11847.3	21255.1	21255.1	21255.1
19	2.0	GORGE	76.0	76.0	76.0	8856.4	8856.4	8856.4	32.0	32.0	32.0	11560.7	11560.7	11560.7	20417.0	20417.0	20417.0
20	2.0	SNOW CYN	80.0	80.0	80.0	8310.0	8310.0	8310.0	36.0	36.0	36.0	11244.2	11244.2	11244.2	19554.2	19554.2	19554.2
21	2.0	ECHO CYN	92.0	92.0	92.0	6731.9	6731.9	6731.9	24.0	24.0	24.0	12101.4	12101.4	12101.4	18833.3	18833.3	18833.3
22	2.0	CORRAL PNK	128.0	128.0	128.0	3000.2	3000.2	3000.2	84.0	84.0	84.0	6247.0	6247.0	6247.0	9247.2	9247.2	9247.2
23	2.0	CHARCOAL	156.0	156.0	156.0	1332.8	1332.8	1332.8	104.0	104.0	104.0	4256.4	4256.4	4256.4	5589.2	5589.2	5589.2
24	1.0	GUNLOCK	72.0	72.0	72.0	1924.4	1924.4	1924.4	40.0	40.0	40.0	6679.5	6679.5	6679.5	8603.8	8603.8	8603.8
25	2.0	ENTERPRISE	76.0	76.0	76.0	8856.4	8856.4	8856.4	24.0	24.0	24.0	12101.4	12101.4	12101.4	20957.8	20957.8	20957.8
26	1.0	NAVEPAN LK	144.0	144.0	144.0	3.4	3.4	3.4	68.0	68.0	68.0	1944.0	1944.0	1944.0	1947.4	1947.4	1947.4
27	2.0	OTTER CRK	192.0	192.0	192.0	371.2	371.2	371.2	104.0	104.0	104.0	4256.4	4256.4	4256.4	4627.6	4627.6	4627.6
28	2.0	PIUTE LAKE	180.0	180.0	180.0	585.3	585.3	585.3	92.0	92.0	92.0	5410.9	5410.9	5410.9	5996.3	5996.3	5996.3
29	2.0	MINNERSVLE	156.0	156.0	156.0	1332.8	1332.8	1332.8	64.0	64.0	64.0	8449.8	8449.8	8449.8	9782.5	9782.5	9782.5
30	2.0	YUBA LAKE	244.0	244.0	244.0	36.7	36.7	36.7	192.0	192.0	192.0	1214.8	1214.8	1214.8	1251.5	1251.5	1251.5
31	1.0	CUMINS LK	168.0	168.0	168.0	0.2	0.2	0.2	108.0	108.0	108.0	109.8	109.8	109.8	110.0	110.0	110.0
32	1.0	BASSETT LK	140.0	140.0	140.0	5.4	5.4	5.4	92.0	92.0	92.0	405.5	405.5	405.5	410.9	410.9	410.9
33	2.0	LAS VEGAS	24.0	24.0	24.0	15055.6	15055.6	15055.6	112.0	112.0	112.0	3368.3	3368.3	3368.3	18423.9	18423.9	18423.9
34	1.0	SAND MOUNT	92.0	92.0	92.0	504.5	504.5	504.5	60.0	60.0	60.0	2952.7	2952.7	2952.7	3457.2	3457.2	3457.2
35	3.0	LITTLE SAN	248.0	248.0	248.0	981.4	981.4	981.4	192.0	192.0	192.0	4501.0	4501.0	4501.0	5482.4	5482.4	5482.4

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: DELTA LONG TERM POP. 13679.0

NO	LOCATION APPL	LOCATION NAME	MILES TO A N	MILES TO A F	MILES TO A AVE	EFFECT INDEX OF BASE A MAX	EFFECT INDEX OF BASE A MIN	EFFECT INDEX OF BASE A AVE	MILES TO B N	MILES TO B F	MILES TO B AVE	EFFECT INDEX OF BASE B MAX	EFFECT INDEX OF BASE B MIN	EFFECT INDEX OF BASE B AVE	COMBINED EFFECTS MAX	COMBINED EFFECTS MIN	COMBINED EFFECTS AVE
1	3.0	LAKE MEAD	36.0	36.0	36.0	13850.2	13850.2	13850.2	252.0	252.0	252.0	767.9	767.9	767.9	14618.1	14618.1	14618.1
2	3.0	ZION PARK	116.0	116.0	116.0	8673.5	8673.5	8673.5	148.0	148.0	148.0	9065.7	9065.7	9065.7	13739.2	13739.2	13739.2
3	3.0	BRYCE CAN	168.0	168.0	168.0	4439.4	4439.4	4439.4	128.0	128.0	128.0	6506.6	6506.6	6506.6	10946.1	10946.1	10946.1
4	3.0	CEDAR BRKS	132.0	132.0	132.0	7245.1	7245.1	7245.1	124.0	124.0	124.0	6811.0	6811.0	6811.0	14056.1	14056.1	14056.1
5	1.0	WHITE RIV	152.0	152.0	152.0	1.3	1.3	1.3	136.0	136.0	136.0	0.7	0.7	0.7	1.9	1.9	1.9
6	1.0	WARD MT	168.0	168.0	168.0	0.2	0.2	0.2	132.0	132.0	132.0	11.2	11.2	11.2	11.3	11.3	11.3
7	1.0	SHELL CRK	172.0	188.0	180.0	0.1	0.0	0.0	112.0	112.0	112.0	81.7	81.7	81.7	81.8	81.8	81.8
8	2.0	WHEELER PK	160.0	160.0	160.0	1171.3	1171.3	1171.3	96.0	96.0	96.0	9341.2	9341.2	9341.2	6312.7	6312.7	6312.7
9	2.0	RUBY MTN	272.0	272.0	272.0	8.4	8.4	8.4	184.0	184.0	184.0	432.2	432.2	432.2	440.6	440.6	440.6
10	1.0	DIXIE W S	76.0	92.0	84.0	1511.3	504.5	896.3	152.0	152.0	152.0	1.1	1.1	1.1	1512.4	505.6	897.4
11	1.0	DIX E S	136.0	144.0	140.0	8.4	3.4	5.4	120.0	128.0	124.0	38.3	17.1	25.7	46.7	20.4	31.1
12	1.0	RED CANYON	160.0	160.0	160.0	0.5	0.5	0.5	116.0	116.0	116.0	36.3	36.3	36.3	36.8	36.8	36.8
13	1.0	KENTS LK	172.0	172.0	172.0	0.1	0.1	0.1	76.0	76.0	76.0	1294.7	1294.7	1294.7	1294.8	1294.8	1294.8
14	1.0	SHELL OIL	212.0	212.0	212.0	0.0	0.0	0.0	40.0	40.0	40.0	7119.2	7119.2	7119.2	7119.2	7119.2	7119.2
15	1.0	OAK CREEK	236.0	236.0	236.0	0.0	0.0	0.0	20.0	20.0	20.0	11618.5	11618.5	11618.5	11618.5	11618.5	11618.5
16	1.0	LITTLE VLY	264.0	264.0	264.0	0.0	0.0	0.0	44.0	44.0	44.0	6206.9	6206.9	6206.9	6206.9	6206.9	6206.9
17	2.0	VALLEY FIR	32.0	32.0	32.0	14382.8	14382.8	14382.8	228.0	228.0	228.0	68.0	68.0	68.0	14450.8	14450.8	14450.8
18	2.0	BEAVER DAM	72.0	72.0	72.0	9407.9	9407.9	9407.9	156.0	156.0	156.0	1141.8	1141.8	1141.8	10549.6	10549.6	10549.6
19	2.0	GORGE	76.0	76.0	76.0	8856.4	8856.4	8856.4	148.0	148.0	148.0	1463.4	1463.4	1463.4	10319.8	10319.8	10319.8
20	2.0	SNOW CYN	80.0	80.0	80.0	8310.0	8310.0	8310.0	164.0	164.0	164.0	879.3	879.3	879.3	9189.3	9189.3	9189.3
21	2.0	ECHO CYN	92.0	92.0	92.0	6731.9	6731.9	6731.9	132.0	132.0	132.0	2311.5	2311.5	2311.5	9043.4	9043.4	9043.4
22	2.0	CORRAL PNK	128.0	128.0	128.0	3000.2	3000.2	3000.2	172.0	172.0	172.0	668.4	668.4	668.4	3668.6	3668.6	3668.6
23	2.0	CHARCOAL	156.0	156.0	156.0	1332.8	1332.8	1332.8	128.0	128.0	128.0	2570.3	2570.3	2570.3	3903.1	3903.1	3903.1
24	1.0	GUNLOCK	72.0	72.0	72.0	1924.4	1924.4	1924.4	164.0	164.0	164.0	0.2	0.2	0.2	1924.6	1924.6	1924.6
25	2.0	ENTERPRISE	76.0	76.0	76.0	8856.4	8856.4	8856.4	152.0	152.0	152.0	1294.7	1294.7	1294.7	10151.1	10151.1	10151.1
26	1.0	NAV&PAN LK	144.0	144.0	144.0	3.4	3.4	3.4	128.0	128.0	128.0	17.1	17.1	17.1	20.4	20.4	20.4
27	2.0	OTTER CRK	192.0	192.0	192.0	371.2	371.2	371.2	92.0	92.0	92.0	5767.2	5767.2	5767.2	6138.4	6138.4	6138.4
28	2.0	PIUTE LAKE	180.0	180.0	180.0	385.3	385.3	385.3	76.0	76.0	76.0	7587.3	7587.3	7587.3	8172.6	8172.6	8172.6
29	2.0	MINNERSVLE	156.0	156.0	156.0	1332.8	1332.8	1332.8	80.0	80.0	80.0	7119.2	7119.2	7119.2	8452.0	8452.0	8452.0
30	2.0	YUBA LAKE	244.0	244.0	244.0	36.7	36.7	36.7	32.0	32.0	32.0	12321.8	12321.8	12321.8	12358.5	12358.5	12358.5
31	1.0	CUMINS LK	168.0	168.0	168.0	0.2	0.2	0.2	124.0	124.0	124.0	25.7	25.7	25.7	25.9	25.9	25.9
32	1.0	BASSETT LK	140.0	140.0	140.0	3.4	3.4	3.4	124.0	124.0	124.0	25.7	25.7	25.7	31.1	31.1	31.1
33	2.0	LAS VEGAS	24.0	24.0	24.0	15055.6	15055.6	15055.6	240.0	240.0	240.0	38.3	38.3	38.3	15093.9	15093.9	15093.9
34	1.0	SAND MOUNT	92.0	92.0	92.0	504.5	504.5	504.5	168.0	168.0	168.0	0.1	0.1	0.1	504.6	504.6	504.6
35	3.0	LITTLE SAH	248.0	248.0	248.0	981.4	981.4	981.4	24.0	24.0	24.0	13326.3	13326.3	13326.3	14307.7	14307.7	14307.7

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP. 14347.0

NO.	LOCATION APPL	LOCATION NAME	MILES TO A N	MILES TO A F	MILES TO A AVE	EFFECT INDEX OF BASE A MAX	EFFECT INDEX OF BASE A MIN	EFFECT INDEX OF BASE A AVE	MILES TO B N	MILES TO B F	MILES TO B AVE	EFFECT INDEX OF BASE B MAX	EFFECT INDEX OF BASE B MIN	EFFECT INDEX OF BASE B AVE	COMBINED EFFECTS MAX	COMBINED EFFECTS MIN	COMBINED EFFECTS AVE
1	3.0	LAKE MEAD	124.0	124.0	124.0	8436.2	8436.2	8436.2	236.0	236.0	236.0	1147.6	1147.6	1147.6	9583.8	9583.8	9583.8
2	3.0	ZION PARK	32.0	32.0	32.0	16174.2	16174.2	16174.2	172.0	172.0	172.0	3750.4	3750.4	3750.4	19924.6	19924.6	19924.6
3	3.0	BRYCE CAN	96.0	96.0	96.0	11155.1	11155.1	11155.1	188.0	188.0	188.0	2888.2	2888.2	2888.2	14043.3	14043.3	14043.3
4	3.0	CEDAR BRKS	36.0	36.0	36.0	14696.8	14696.8	14696.8	160.0	160.0	160.0	4493.1	4493.1	4493.1	19189.9	19189.9	19189.9
5	1.0	WHITE RIV	116.0	116.0	116.0	69.8	69.8	69.8	36.0	36.0	36.0	8453.3	8453.3	8453.3	8523.1	8523.1	8523.1
6	1.0	WARD MT	116.0	116.0	116.0	69.8	69.8	69.8	8.0	8.0	8.0	13977.1	13977.1	13977.1	14046.9	14046.9	14046.9
7	1.0	SHELL CRK	108.0	128.0	118.0	145.0	21.1	57.6	16.0	24.0	20.0	12923.5	11341.2	12183.9	13068.6	11362.3	12240.5
8	2.0	WHEELER PK	88.0	88.0	88.0	7687.9	7687.9	7687.9	40.0	40.0	40.0	12183.9	12183.9	12183.9	19873.8	19873.8	19873.8
9	2.0	RUBY MTN	232.0	232.0	232.0	69.8	69.8	69.8	104.0	104.0	104.0	4758.2	4758.2	4758.2	4828.0	4828.0	4828.0
10	1.0	DIXIE W S	24.0	40.0	32.0	13393.3	8818.0	11155.1	132.0	136.0	144.0	11.7	0.7	3.0	13405.0	8818.7	11158.1
11	1.0	DIX E S	36.0	68.0	62.0	4710.8	2566.4	3528.5	156.0	172.0	164.0	0.7	0.1	0.2	4711.5	2566.5	3528.8
12	1.0	RED CANYON	84.0	84.0	84.0	951.1	951.1	951.1	176.0	176.0	176.0	0.0	0.0	0.0	951.1	951.1	951.1
13	1.0	KENTS LK	80.0	80.0	80.0	1243.1	1243.1	1243.1	148.0	148.0	148.0	1.9	1.9	1.9	1245.0	1245.0	1245.0
14	1.0	SHELL OIL	116.0	116.0	116.0	69.8	69.8	69.8	144.0	144.0	144.0	3.0	3.0	3.0	72.8	72.8	72.8
15	1.0	OAK CREEK	140.0	140.0	140.0	5.7	5.7	5.7	144.0	144.0	144.0	3.0	3.0	3.0	8.7	8.7	8.7
16	1.0	LITTLE VLY	172.0	172.0	172.0	0.1	0.1	0.1	144.0	144.0	144.0	3.0	3.0	3.0	3.1	3.1	3.1
17	2.0	VALLEY FIR	104.0	104.0	104.0	5619.2	5619.2	5619.2	196.0	196.0	196.0	284.7	284.7	284.7	5903.8	5903.8	5903.8
18	2.0	BEAVER DAM	28.0	28.0	28.0	15640.4	15640.4	15640.4	128.0	128.0	128.0	2695.8	2695.8	2695.8	18336.2	18336.2	18336.2
19	2.0	GORGE	32.0	32.0	32.0	15262.0	15262.0	15262.0	104.0	104.0	104.0	4758.2	4758.2	4758.2	20020.2	20020.2	20020.2
20	2.0	SNOW CYN	36.0	36.0	36.0	14844.2	14844.2	14844.2	160.0	160.0	160.0	1052.6	1052.6	1052.6	15896.8	15896.8	15896.8
21	2.0	ECHO CYN	24.0	24.0	24.0	19975.9	19975.9	19975.9	96.0	96.0	96.0	3602.1	3602.1	3602.1	21577.9	21577.9	21577.9
22	2.0	CORRAL PNK	84.0	84.0	84.0	8247.0	8247.0	8247.0	196.0	196.0	196.0	284.7	284.7	284.7	8531.7	8531.7	8531.7
23	2.0	CHARCOAL	104.0	104.0	104.0	5619.2	5619.2	5619.2	16.0	16.0	16.0	13977.1	13977.1	13977.1	19596.2	19596.2	19596.2
24	1.0	GUNLOCK	40.0	40.0	40.0	8818.0	8818.0	8818.0	152.0	152.0	152.0	1.2	1.2	1.2	8819.1	8819.1	8819.1
25	2.0	ENTERPRISE	24.0	24.0	24.0	15975.9	15975.9	15975.9	136.0	136.0	136.0	2173.2	2173.2	2173.2	18149.1	18149.1	18149.1
26	1.0	NAV&PAN LK	68.0	68.0	68.0	2566.4	2566.4	2566.4	172.0	172.0	172.0	0.1	0.1	0.1	2566.5	2566.5	2566.5
27	2.0	OTTER CRK	104.0	104.0	104.0	5619.2	5619.2	5619.2	176.0	176.0	176.0	608.2	608.2	608.2	6227.3	6227.3	6227.3
28	2.0	PIUTE LAKE	92.0	92.0	92.0	7143.3	7143.3	7143.3	160.0	160.0	160.0	1052.6	1052.6	1052.6	8196.0	8196.0	8196.0
29	2.0	MINNERSVLE	64.0	64.0	64.0	11155.1	11155.1	11155.1	132.0	132.0	132.0	2424.4	2424.4	2424.4	13579.5	13579.5	13579.5
30	2.0	YUBA LAKE	152.0	152.0	152.0	1603.7	1603.7	1603.7	156.0	156.0	156.0	1197.5	1197.5	1197.5	2801.2	2801.2	2801.2
31	1.0	CUMINS LK	108.0	108.0	108.0	145.0	145.0	145.0	4.0	4.0	4.0	14253.6	14253.6	14253.6	14398.6	14398.6	14398.6
32	1.0	BASSETT LK	92.0	92.0	92.0	535.3	535.3	535.3	16.0	16.0	16.0	12923.5	12923.5	12923.5	13458.9	13458.9	13458.9
33	2.0	LAS VEGAS	112.0	112.0	112.0	4710.8	4710.8	4710.8	196.0	196.0	196.0	284.7	284.7	284.7	4995.4	4995.4	4995.4
34	1.0	SAND MOUNT	60.0	60.0	60.0	3898.0	3898.0	3898.0	176.0	176.0	176.0	0.0	0.0	0.0	3898.1	3898.1	3898.1
35	3.0	LITTLE SAH	152.0	152.0	152.0	5942.1	5942.1	5942.1	140.0	140.0	140.0	5898.2	5898.2	5898.2	11840.3	11840.3	11840.3

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	3.0	LAKE MEAD	124.0	124.0	124.0	8436.2	8436.2	8436.2	56.0	56.0	56.0	10578.3	10578.3	10578.3	19014.5	19014.5	19014.5
2	3.0	ZION PARK	32.0	32.0	32.0	16174.2	16174.2	16174.2	116.0	116.0	116.0	6624.5	6624.5	6624.5	22798.7	22798.7	22798.7
3	3.0	BRYCE CAN	96.0	96.0	96.0	11155.1	11155.1	11155.1	168.0	168.0	168.0	3390.7	3390.7	3390.7	14545.8	14545.8	14545.8
4	3.0	CEDAR BRKS	56.0	56.0	56.0	14696.8	14696.8	14696.8	132.0	132.0	132.0	5533.5	5533.5	5533.5	20230.3	20230.3	20230.3
5	1.0	WHITE RIV	116.0	116.0	116.0	69.8	69.8	69.8	152.0	152.0	152.0	1.0	1.0	1.0	70.8	70.8	70.8
6	1.0	WARD MT	116.0	116.0	116.0	69.8	69.8	69.8	168.0	168.0	168.0	0.1	0.1	0.1	69.9	69.9	69.9
7	1.0	SHELL CRK	108.0	128.0	118.0	145.0	21.1	57.6	172.0	188.0	180.0	0.1	0.0	0.0	145.1	21.1	57.7
8	2.0	WHEELER PK	88.0	88.0	88.0	7687.9	7687.9	7687.9	160.0	160.0	160.0	894.7	894.7	894.7	8582.7	8582.7	8582.7
9	2.0	RUBY MTN	232.0	232.0	232.0	69.8	69.8	69.8	272.0	272.0	272.0	6.4	6.4	6.4	76.2	76.2	76.2
10	1.0	DIXIE W S	24.0	40.0	32.0	13393.3	8818.0	11155.1	76.0	92.0	84.0	1154.3	385.3	684.6	14547.6	9203.3	11839.6
11	1.0	DIX E S	56.0	68.0	62.0	4710.8	2546.4	3528.5	136.0	144.0	140.0	6.4	2.6	4.1	4717.2	2549.0	3532.6
12	1.0	RED CANYON	84.0	84.0	84.0	931.1	931.1	931.1	160.0	160.0	160.0	0.4	0.4	0.4	931.4	931.4	931.4
13	1.0	KENTS LK	80.0	80.0	80.0	1243.1	1243.1	1243.1	172.0	172.0	172.0	0.1	0.1	0.1	1243.2	1243.2	1243.2
14	1.0	SHELL OIL	116.0	116.0	116.0	69.8	69.8	69.8	212.0	212.0	212.0	0.0	0.0	0.0	69.8	69.8	69.8
15	1.0	OAK CREEK	140.0	140.0	140.0	5.7	5.7	5.7	236.0	236.0	236.0	0.0	0.0	0.0	5.7	5.7	5.7
16	1.0	LITTLE VLY	172.0	172.0	172.0	0.1	0.1	0.1	264.0	264.0	264.0	0.0	0.0	0.0	0.1	0.1	0.1
17	2.0	VALLEY FIR	104.0	104.0	104.0	5619.2	5619.2	5619.2	32.0	32.0	32.0	10985.1	10985.1	10985.1	16604.2	16604.2	16604.2
18	2.0	BEAVER DAM	28.0	28.0	28.0	15640.4	15640.4	15640.4	72.0	72.0	72.0	7185.4	7185.4	7185.4	22825.7	22825.7	22825.7
19	2.0	GORGE	32.0	32.0	32.0	15262.0	15262.0	15262.0	76.0	76.0	76.0	6764.2	6764.2	6764.2	22026.1	22026.1	22026.1
20	2.0	SNOW CYN	36.0	36.0	36.0	14844.2	14844.2	14844.2	80.0	80.0	80.0	6346.9	6346.9	6346.9	21191.1	21191.1	21191.1
21	2.0	ECHO CYN	24.0	24.0	24.0	15975.9	15975.9	15975.9	92.0	92.0	92.0	5141.5	5141.5	5141.5	21117.4	21117.4	21117.4
22	2.0	CORRAL PNK	84.0	84.0	84.0	8247.0	8247.0	8247.0	128.0	128.0	128.0	2291.5	2291.5	2291.5	10538.5	10538.5	10538.5
23	2.0	CHARCOAL	104.0	104.0	104.0	5619.2	5619.2	5619.2	156.0	156.0	156.0	1017.9	1017.9	1017.9	6637.1	6637.1	6637.1
24	1.0	GUNLOCK	40.0	40.0	40.0	8818.0	8818.0	8818.0	72.0	72.0	72.0	1469.8	1469.8	1469.8	10287.8	10287.8	10287.8
25	2.0	ENTERPRISE	24.0	24.0	24.0	15975.9	15975.9	15975.9	76.0	76.0	76.0	6764.2	6764.2	6764.2	22740.0	22740.0	22740.0
26	1.0	NAVSPAN LK	68.0	68.0	68.0	2566.4	2566.4	2566.4	144.0	144.0	144.0	2.6	2.6	2.6	2569.0	2569.0	2569.0
27	2.0	OTTER CRK	104.0	104.0	104.0	5619.2	5619.2	5619.2	192.0	192.0	192.0	283.5	283.5	283.5	5902.6	5902.6	5902.6
28	2.0	PIUTE LAKE	92.0	92.0	92.0	7143.3	7143.3	7143.3	180.0	180.0	180.0	447.0	447.0	447.0	7590.4	7590.4	7590.4
29	2.0	MINNERSVLE	64.0	64.0	64.0	11155.1	11155.1	11155.1	156.0	156.0	156.0	1017.9	1017.9	1017.9	12173.0	12173.0	12173.0
30	2.0	YUBA LAKE	152.0	152.0	152.0	1603.7	1603.7	1603.7	244.0	244.0	244.0	28.0	28.0	28.0	1631.7	1631.7	1631.7
31	1.0	CUMINS LK	108.0	108.0	108.0	145.0	145.0	145.0	168.0	168.0	168.0	0.1	0.1	0.1	145.1	145.1	145.1
32	1.0	BASSETT LK	92.0	92.0	92.0	535.3	535.3	535.3	140.0	140.0	140.0	4.1	4.1	4.1	539.4	539.4	539.4
33	2.0	LAS VEGAS	112.0	112.0	112.0	4710.8	4710.8	4710.8	24.0	24.0	24.0	11498.9	11498.9	11498.9	16209.7	16209.7	16209.7
34	1.0	SAND MOUNT	60.0	60.0	60.0	3898.0	3898.0	3898.0	92.0	92.0	92.0	385.3	385.3	385.3	4283.3	4283.3	4283.3
35	3.0	LITTLE SAH	152.0	152.0	152.0	5942.1	5942.1	5942.1	248.0	248.0	248.0	749.6	749.6	749.6	6691.6	6691.6	6691.6

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
1	3.0	LAKE MEAD	176.0	176.0	176.0	4226.3	4226.3	4226.3	236.0	236.0	236.0	1147.6	1147.6	1147.6	5373.8	5373.8	5373.8
2	3.0	ZION PARK	76.0	76.0	76.0	13252.4	13252.4	13252.4	172.0	172.0	172.0	3750.4	3750.4	3750.4	17002.8	17002.8	17002.8
3	3.0	BRYCE CAN	76.0	76.0	76.0	13252.4	13252.4	13252.4	188.0	188.0	188.0	2888.2	2888.2	2888.2	16140.6	16140.6	16140.6
4	3.0	CEDAR BRKS	56.0	56.0	56.0	14938.0	14938.0	14938.0	160.0	160.0	160.0	4493.1	4493.1	4493.1	19431.1	19431.1	19431.1
5	1.0	WHITE RIV	132.0	132.0	132.0	14.0	14.0	14.0	36.0	36.0	36.0	8453.3	8453.3	8453.3	8467.4	8467.4	8467.4
6	1.0	WARD MT	120.0	120.0	120.0	48.2	48.2	48.2	8.0	8.0	8.0	13977.1	13977.1	13977.1	14025.3	14025.3	14025.3
7	1.0	SHELL CRK	104.0	120.0	112.0	208.3	48.2	102.9	16.0	24.0	20.0	12923.5	11341.2	12185.9	13131.9	11389.4	12288.8
8	2.0	WHEELER PK	80.0	80.0	80.0	8962.7	8962.7	8962.7	40.0	40.0	40.0	12185.9	12185.9	12185.9	21148.5	21148.5	21148.5
9	2.0	RUBY MTN	208.0	208.0	208.0	208.3	208.3	208.3	104.0	104.0	104.0	4758.2	4758.2	4758.2	4966.5	4966.5	4966.5
10	1.0	DIXIE W S	80.0	80.0	80.0	1263.5	1263.5	1263.5	132.0	156.0	144.0	11.7	0.7	3.0	1275.2	1264.2	1266.5
11	1.0	DIX E S	52.0	64.0	58.0	5711.4	3235.9	4362.6	156.0	172.0	164.0	0.7	0.1	0.2	5712.1	3235.9	4362.8
12	1.0	RED CANYON	64.0	64.0	64.0	3235.9	3235.9	3235.9	176.0	176.0	176.0	0.0	0.0	0.0	3235.9	3235.9	3235.9
13	1.0	KENTS LK	32.0	32.0	32.0	11338.1	11338.1	11338.1	148.0	148.0	148.0	1.9	1.9	1.9	11340.0	11340.0	11340.0
14	1.0	SHELL OIL	56.0	56.0	56.0	4788.1	4788.1	4788.1	144.0	144.0	144.0	3.0	3.0	3.0	4791.1	4791.1	4791.1
15	1.0	OAK CREEK	80.0	80.0	80.0	1263.5	1263.5	1263.5	144.0	144.0	144.0	3.0	3.0	3.0	1266.5	1266.5	1266.5
16	1.0	LITTLE VLY	116.0	116.0	116.0	70.9	70.9	70.9	144.0	144.0	144.0	3.0	3.0	3.0	74.0	74.0	74.0
17	2.0	VALLEY FIR	160.0	160.0	160.0	1263.5	1263.5	1263.5	196.0	196.0	196.0	284.7	284.7	284.7	1548.2	1548.2	1548.2
18	2.0	BEAVER DAM	84.0	84.0	84.0	8382.4	8382.4	8382.4	128.0	128.0	128.0	2695.8	2695.8	2695.8	11078.2	11078.2	11078.2
19	2.0	GORGE	88.0	88.0	88.0	7814.1	7814.1	7814.1	104.0	104.0	104.0	4758.2	4758.2	4758.2	12572.3	12572.3	12572.3
20	2.0	SNOW CYN	92.0	92.0	92.0	7260.6	7260.6	7260.6	160.0	160.0	160.0	1052.6	1052.6	1052.6	8313.2	8313.2	8313.2
21	2.0	ECHO CYN	72.0	72.0	72.0	10146.7	10146.7	10146.7	96.0	96.0	96.0	3602.1	3602.1	3602.1	13748.8	13748.8	13748.8
22	2.0	CORRAL PNK	100.0	100.0	100.0	6207.3	6207.3	6207.3	196.0	196.0	196.0	284.7	284.7	284.7	6491.9	6491.9	6491.9
23	2.0	CHARCOAL	112.0	112.0	112.0	4788.1	4788.1	4788.1	16.0	16.0	16.0	13977.1	13977.1	13977.1	18765.2	18765.2	18765.2
24	1.0	GUNLOCK	92.0	92.0	92.0	344.1	344.1	344.1	152.0	152.0	152.0	1.2	1.2	1.2	345.3	345.3	345.3
25	2.0	ENTERPRISE	80.0	80.0	80.0	8962.7	8962.7	8962.7	136.0	136.0	136.0	2173.2	2173.2	2173.2	11135.9	11135.9	11135.9
26	1.0	NAVSPAN LK	64.0	64.0	64.0	3235.9	3235.9	3235.9	172.0	172.0	172.0	0.1	0.1	0.1	3235.9	3235.9	3235.9
27	2.0	OTTER CRK	60.0	60.0	60.0	11926.7	11926.7	11926.7	176.0	176.0	176.0	608.2	608.2	608.2	12534.9	12534.9	12534.9
28	2.0	PIUTE LAKE	44.0	44.0	44.0	14133.9	14133.9	14133.9	160.0	160.0	160.0	1052.6	1052.6	1052.6	15186.6	15186.6	15186.6
29	2.0	MINNERSVLE	16.0	16.0	16.0	16777.0	16777.0	16777.0	132.0	132.0	132.0	2424.4	2424.4	2424.4	19201.4	19201.4	19201.4
30	2.0	YUBA LAKE	92.0	92.0	92.0	7260.6	7260.6	7260.6	156.0	156.0	156.0	1197.5	1197.5	1197.5	8458.1	8458.1	8458.1
31	1.0	CUMINS LK	112.0	112.0	112.0	102.9	102.9	102.9	4.0	4.0	4.0	14253.6	14253.6	14253.6	14356.5	14356.5	14356.5
32	1.0	BASSETT LK	96.0	96.0	96.0	400.3	400.3	400.3	16.0	16.0	16.0	12923.5	12923.5	12923.5	13323.9	13323.9	13323.9
33	2.0	LAS VEGAS	168.0	168.0	168.0	966.7	966.7	966.7	196.0	196.0	196.0	284.7	284.7	284.7	1251.4	1251.4	1251.4
34	1.0	SAND MOUNT	96.0	96.0	96.0	400.3	400.3	400.3	176.0	176.0	176.0	0.0	0.0	0.0	400.4	400.4	400.4
35	3.0	LITTLE SAH	100.0	100.0	100.0	10942.1	10942.1	10942.1	140.0	140.0	140.0	3898.2	3898.2	3898.2	14840.3	14840.3	14840.3

EFFECT INDEX OF BASING ALTERNATIVES ON RECREATION AREAS

ALTERNATIVE NO 6
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP 12199.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
1	3.0	LAKE MEAD	176.0	176.0	176.0	4226.3	4226.3	4226.3	56.0	56.0	56.0	10578.3	10578.3	10578.3	14804.6	14804.6	14804.6
2	3.0	ZION PARK	76.0	76.0	76.0	13252.4	13252.4	13252.4	116.0	116.0	116.0	6624.5	6624.5	6624.5	19876.9	19876.9	19876.9
3	3.0	BRYCE CAN	76.0	76.0	76.0	13252.4	13252.4	13252.4	168.0	168.0	168.0	3390.7	3390.7	3390.7	16643.1	16643.1	16643.1
4	3.0	CEDAR BRKS	56.0	56.0	56.0	14938.0	14938.0	14938.0	132.0	132.0	132.0	5533.5	5533.5	5533.5	20471.5	20471.5	20471.5
5	1.0	WHITE RIV	132.0	132.0	132.0	14.0	14.0	14.0	152.0	152.0	152.0	1.0	1.0	1.0	15.0	15.0	15.0
6	1.0	WARD MT	120.0	120.0	120.0	48.2	48.2	48.2	168.0	168.0	168.0	0.1	0.1	0.1	48.4	48.4	48.4
7	1.0	SHELL CRK	104.0	120.0	112.0	208.3	48.2	102.9	172.0	188.0	180.0	0.1	0.0	0.0	208.4	48.3	102.9
8	2.0	WHEELER PK	80.0	80.0	80.0	8962.7	8962.7	8962.7	160.0	160.0	160.0	894.7	894.7	894.7	9857.4	9857.4	9857.4
9	2.0	RUBY MTN	208.0	208.0	208.0	208.3	208.3	208.3	272.0	272.0	272.0	6.4	6.4	6.4	214.8	214.8	214.8
10	1.0	DIXIE W S	80.0	80.0	80.0	1263.5	1263.5	1263.5	76.0	92.0	84.0	1154.3	385.3	684.6	2417.8	1648.8	1948.1
11	1.0	DIX E S	52.0	64.0	58.0	5711.4	3235.9	4362.6	136.0	144.0	140.0	6.4	2.6	4.1	5717.8	3238.4	4366.7
12	1.0	RED CANYON	64.0	64.0	64.0	3235.9	3235.9	3235.9	160.0	160.0	160.0	0.4	0.4	0.4	3236.2	3236.2	3236.2
13	1.0	KENTS LK	32.0	32.0	32.0	11338.1	11338.1	11338.1	172.0	172.0	172.0	0.1	0.1	0.1	11338.2	11338.2	11338.2
14	1.0	SHELL OIL	56.0	56.0	56.0	4788.1	4788.1	4788.1	212.0	212.0	212.0	0.0	0.0	0.0	4788.1	4788.1	4788.1
15	1.0	OAK CREEK	80.0	80.0	80.0	1263.5	1263.5	1263.5	236.0	236.0	236.0	0.0	0.0	0.0	1263.5	1263.5	1263.5
16	1.0	LITTLE VLY	116.0	116.0	116.0	70.9	70.9	70.9	264.0	264.0	264.0	0.0	0.0	0.0	70.9	70.9	70.9
17	2.0	VALLEY FIR	160.0	160.0	160.0	1263.5	1263.5	1263.5	32.0	32.0	32.0	10985.1	10985.1	10985.1	12248.6	12248.6	12248.6
18	2.0	BEAVER DAM	84.0	84.0	84.0	8382.4	8382.4	8382.4	72.0	72.0	72.0	7183.4	7183.4	7183.4	15567.7	15567.7	15567.7
19	2.0	GORGE	88.0	88.0	88.0	7814.1	7814.1	7814.1	76.0	76.0	76.0	6764.2	6764.2	6764.2	14578.2	14578.2	14578.2
20	2.0	SNOW CYN	92.0	92.0	92.0	7260.6	7260.6	7260.6	80.0	80.0	80.0	6346.9	6346.9	6346.9	13607.4	13607.4	13607.4
21	2.0	ECHO CYN	72.0	72.0	72.0	10146.7	10146.7	10146.7	92.0	92.0	92.0	5141.5	5141.5	5141.5	15288.3	15288.3	15288.3
22	2.0	CORRAL PNK	100.0	100.0	100.0	6207.3	6207.3	6207.3	128.0	128.0	128.0	2291.5	2291.5	2291.5	8498.7	8498.7	8498.7
23	2.0	CHARCOAL	112.0	112.0	112.0	4788.1	4788.1	4788.1	136.0	136.0	136.0	1017.9	1017.9	1017.9	5806.0	5806.0	5806.0
24	1.0	GUNLOCK	92.0	92.0	92.0	544.1	544.1	544.1	72.0	72.0	72.0	1469.8	1469.8	1469.8	2013.9	2013.9	2013.9
25	2.0	ENTERPRISE	80.0	80.0	80.0	8962.7	8962.7	8962.7	76.0	76.0	76.0	6764.2	6764.2	6764.2	15726.8	15726.8	15726.8
26	1.0	NAVEPAN LK	64.0	64.0	64.0	3235.9	3235.9	3235.9	144.0	144.0	144.0	2.6	2.6	2.6	3238.4	3238.4	3235.4
27	2.0	OTTER CRK	40.0	40.0	60.0	11926.7	11926.7	11926.7	192.0	192.0	192.0	283.5	283.5	283.5	12210.2	12210.2	12210.2
28	2.0	PIUTE LAKE	44.0	44.0	44.0	14133.9	14133.9	14133.9	180.0	180.0	180.0	447.0	447.0	447.0	14581.0	14581.0	14581.0
29	2.0	MINNERSVLE	16.0	16.0	16.0	16777.0	16777.0	16777.0	156.0	156.0	156.0	1017.9	1017.9	1017.9	17794.9	17794.9	17794.9
30	2.0	YUBA LAKE	92.0	92.0	92.0	7260.6	7260.6	7260.6	244.0	244.0	244.0	28.0	28.0	28.0	7288.6	7288.6	7288.6
31	1.0	CUMINS LK	112.0	112.0	112.0	102.9	102.9	102.9	168.0	168.0	168.0	0.1	0.1	0.1	103.0	103.0	103.0
32	1.0	BASSETT LK	96.0	96.0	96.0	400.3	400.3	400.3	140.0	140.0	140.0	4.1	4.1	4.1	404.4	404.4	404.4
33	2.0	LAS VEGAS	168.0	168.0	168.0	966.7	966.7	966.7	24.0	24.0	24.0	11498.9	11498.9	11498.9	12465.6	12465.6	12465.6
34	1.0	SAND MOUNT	96.0	96.0	96.0	400.3	400.3	400.3	92.0	92.0	92.0	385.3	385.3	385.3	785.6	785.6	785.6
35	3.0	LITTLE SAH	100.0	100.0	100.0	10942.1	10942.1	10942.1	248.0	248.0	248.0	749.6	749.6	749.6	11691.6	11691.6	11691.6

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON RECREATION AREAS

LOCATION NO.	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
1	LAKE MEAD	3.0	17058.0	20240.5	14618.1	9583.8	19014.5	5373.8	14804.6
2	ZION PARK	3.0	18732.3	20925.1	13739.2	19924.6	22798.7	17002.8	19876.9
3	BRYCE CAN	3.0	14498.2	12889.2	10946.1	14043.3	14545.8	16140.6	16643.1
4	CEDAR BRKS	3.0	18583.2	18377.6	14056.1	19189.9	20230.3	19431.1	20471.5
5	WHITE RIV	1.0	11.9	54.1	1.9	8523.1	70.8	8467.4	15.0
6	WARD MT.	1.0	36.8	53.0	11.3	14046.9	69.9	14025.3	48.4
7	SHELL CRK	1.0	78.1	43.7	81.8	12243.5	57.7	12288.8	102.9
8	WHEELER PK	2.0	7974.3	6994.9	6512.7	17873.8	8582.7	21148.5	9857.4
9	RUBY MTN	2.0	166.5	61.3	440.6	4828.0	76.2	4966.5	214.8
10	DIXIE W S	1.0	1855.3	9346.1	897.4	11158.1	11839.6	1266.5	1948.1
11	DIX E S	1.0	3316.6	2678.1	31.1	3528.8	3532.6	4362.8	4366.7
12	RED CANYON	1.0	2456.5	720.9	56.8	951.1	951.4	3235.9	3236.2
13	KENTS LK	1.0	8605.9	941.7	1294.8	1245.0	1243.2	11340.0	11338.2
14	SHELL OIL	1.0	3634.2	52.9	7119.2	72.8	49.8	4791.1	4788.1
15	OAK CREEK	1.0	959.0	4.3	11618.5	8.7	3.7	1266.5	1263.5
16	LITTLE VLY	1.0	53.8	0.1	6206.9	3.1	0.1	74.0	70.9
17	VALLEY FIR	2.0	15341.8	18639.2	14450.8	5903.8	16604.2	1548.2	12248.6
18	BEAVER DAM	2.0	15770.2	21255.1	10549.6	18336.2	22825.7	11078.2	15567.7
19	GORGE	2.0	14787.4	20417.0	10319.8	20020.2	22026.1	12572.3	14578.2
20	SNOW CYN	2.0	13820.9	19554.2	9189.3	15896.8	21191.1	8313.2	13607.4
21	ECHO CYN	2.0	14433.4	18833.3	9043.4	21577.9	21117.4	15748.8	15288.3
22	CORRAL PNK	2.0	7711.6	9247.2	3668.6	8531.7	10538.5	6491.9	8498.7
23	CHARCOAL	2.0	4967.0	5589.2	3903.1	19596.2	6437.1	18763.2	5806.0
24	GUNLOCK	1.0	2337.4	8603.8	1924.6	8819.1	10287.8	543.3	2013.9
25	ENTERPRISE	2.0	15659.2	20957.8	10151.1	18149.1	22740.0	11133.9	15726.8
26	NAVEPAN LK	1.0	2459.4	1947.4	20.4	2566.5	2569.0	3235.9	3238.4
27	OTTER CRK	2.0	9423.7	4627.6	6138.4	6227.3	5902.6	12534.9	12210.2
28	PIUTE LAKE	2.0	11313.2	5996.3	8172.6	8196.0	7590.4	15186.6	14581.0
29	MINNERSVLE	2.0	14066.7	9782.5	8452.0	12579.5	12173.0	19201.4	17794.9
30	YUBA LAKE	2.0	5547.6	1251.5	12338.5	2801.2	1631.7	8498.1	7288.6
31	CUMINS LK	1.0	78.3	110.0	25.9	14398.6	145.1	14356.5	103.0
32	BASSETT LK	1.0	309.2	410.9	31.1	13458.9	539.4	13323.9	404.4
33	LAS VEGAS	2.0	15789.3	18623.9	15093.9	4975.4	16209.7	1251.4	12465.6
34	SAND MOUNT	1.0	808.4	3457.2	504.6	3898.1	4283.3	400.4	785.6
35	LITTLE SAH	3.0	9286.6	5482.4	14307.7	11840.3	6491.6	16840.3	11691.6

RECREATION AREAS RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
ZION PARK	18732.3	BEAVER DAM	21255.1	LAS VEGAS	15093.9	ECHO CYN	21577.9	BEAVER DAM	22825.7	WHEELER PK	21148.5	CEDAR BRKS	20471.5
CEDAR BRKS	18583.2	ENTERPRISE	20957.8	LAKE MEAD	14618.1	GORGE	20020.2	ZION PARK	22798.7	CEDAR BRKS	19431.1	ZION PARK	19876.9
LAKE MEAD	17058.0	ZION PARK	20925.1	VALLEY FIR	14450.8	ZION PARK	19924.6	ENTERPRISE	22740.0	MINNERSVLE	19201.4	MINNERSVLE	17794.9
LAS VEGAS	15789.3	GORGE	20417.0	LITTLE SAH	14307.7	WHEELER PK	19873.8	GORGE	22026.1	CHARCOAL	18763.2	BRYCE CAN	16643.1
BEAVER DAM	15770.2	LAKE MEAD	20240.5	CEDAR BRKS	14056.1	CHARCOAL	19596.2	SNOW CYN	21191.1	ZION PARK	17002.8	ENTERPRISE	15726.8
ENTERPRISE	15659.2	SNOW CYN	19554.2	ZION PARK	13739.2	CEDAR BRKS	19189.9	ECHO CYN	21117.4	LITTLE SAH	16840.3	BEAVER DAM	15567.7
VALLEY FIR	15341.8	ECHO CYN	18833.3	YUBA LAKE	12338.5	BEAVER DAM	18336.2	CEDAR BRKS	20230.3	BRYCE CAN	16140.6	ECHO CYN	15288.3
GORGE	14787.4	VALLEY FIR	18639.2	OAK CREEK	11618.5	ENTERPRISE	18149.1	LAKE MEAD	19014.5	ECHO CYN	15748.8	LAKE MEAD	14804.6
BRYCE CAN	14498.2	LAS VEGAS	18623.9	BRYCE CAN	10946.1	SNOW CYN	15896.8	VALLEY FIR	16604.2	PIUTE LAKE	15186.6	PIUTE LAKE	14581.0
ECHO CYN	14433.4	CEDAR BRKS	18377.6	BEAVER DAM	10549.6	CUMINS LK	14398.6	LAS VEGAS	16209.7	CUMINS LK	14356.5	GORGE	14578.2
MINNERSVLE	14066.7	BRYCE CAN	12889.2	GORGE	10319.8	WARD MT	14046.9	BRYCE CAN	14545.8	WARD MT	14025.3	SNOW CYN	13607.4
SNOW CYN	13820.9			ENTERPRISE	10151.1	BRYCE CAN	14043.3	MINNERSVLE	12173.0	BASSETT LK	13323.9	LAS VEGAS	12465.6
PIUTE LAKE	11313.2					MINNERSVLE	13579.5	DIXIE W S	11839.6	GORGE	12572.3	VALLEY FIR	12248.6
						BASSETT LK	13458.9	CORRAL PNK	10538.5	OTTER CRK	12534.9	OTTER CRK	12210.2
						SHELL CRK	12243.5	GUNLOCK	10287.8	SHELL CRK	12288.8	LITTLE SAH	11691.6
						LITTLE SAH	11840.3			KENTS LK	11340.0	KENTS LK	11338.2
						DIXIE W S	11158.1			ENTERPRISE	11133.9		
										BEAVER DAM	11078.2		

Ranking of alternatives by mean combined effect index, standard deviation and standard error for 35 recreation areas.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	2	Coyote Delta	6,455	5,478	926	1
2	0	Coyote Milford	7,769	6,601	1,116	2
3	1	Coyote Beryl	8,233	8,142	1,376	4
4	6	Milford Coyote	8,370	6,769	1,144	3
5	4	Beryl Ely	8,994	8,455	1,429	5
6	5	Milford Ely	9,604	6,483	1,095	6
7	3	Beryl Ely	10,229	6,854	1,159	7

3961

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 0
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: MILFORD LONG TERM POP. 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAMES	155.0	186.0	170.5	0.9	0.0	0.1	123.0	145.0	134.0	27.2	2.5	8.6	28.1	2.5	8.7
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	142.0	171.0	156.5	3.5	0.1	0.6	3.5	0.1	0.6
178	1.0	BUTTE	178.0	254.0	216.0	0.0	0.0	0.0	129.0	185.0	157.0	14.7	0.0	0.6	14.7	0.0	0.6
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	86.0	103.0	94.5	6143.4	4427.5	5254.8	12258.4	6714.6	9157.7
207	2.0	WHITE R	89.0	169.0	129.0	7115.4	866.0	2922.6	97.0	135.0	116.0	5004.3	2035.4	3311.3	12119.7	2901.4	6233.8
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	117.0	142.0	129.5	3233.5	1670.0	2361.1	13036.3	6420.2	9476.5
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	211.0	258.0	234.5	139.1	14.7	47.8	1796.3	357.7	841.8
134	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	142.0	180.0	161.0	3.5	0.0	0.3	3.7	0.0	0.3
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	43.0	112.0	77.5	12019.6	7400.3	9954.3	19264.7	9007.6	13718.4
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	25.0	51.0	38.0	10127.9	4921.1	7250.0	10264.6	4922.4	7246.2
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	103.0	143.0	123.0	4427.5	1622.2	2791.6	4496.5	1635.9	2823.2
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	35.0	129.0	82.0	12364.6	6145.4	9635.5	16604.0	6838.6	11522.4
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	6.7	0.0	20.0	10.0	13071.0	11102.1	12348.2	13130.8	11102.6	12555.0
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	178.0	213.0	196.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	652.9	186.0	209.0	197.5	383.0	151.5	244.2	1941.7	389.8	897.1
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	194.0	222.0	208.0	0.0	0.0	0.0	33.2	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	177.0	206.0	191.5	0.0	0.0	0.0	95.5	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	172.0	194.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	148.0	175.0	161.5	1.7	0.0	0.3	56.0	0.1	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	3183.7	1061.2	2555.6	160.0	186.0	173.0	959.0	383.0	616.6	4142.7	1444.2	3172.1
170	2.0	PENOYER	63.0	93.0	80.0	10375.0	6357.3	8310.0	134.0	168.0	151.0	2092.1	733.7	1276.0	12467.1	7091.0	9586.1
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	118.0	178.0	148.0	44.5	0.0	1.7	1004.0	0.1	23.8
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	92.0	171.0	131.5	5310.9	661.4	2238.7	8209.0	700.0	2680.5
183	2.0	LAKE	100.0	138.0	119.0	3755.3	2287.0	3764.2	62.0	92.0	77.5	8718.1	3510.9	7081.7	14473.3	7797.9	10845.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	62.0	142.0	102.0	8830.0	1670.0	4521.1	13269.4	1795.1	5513.6
196	2.0	HARLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	37.0	75.0	56.0	11366.9	7362.6	9491.5	18225.6	9231.1	13347.6
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	62.0	85.0	73.5	8830.0	6253.6	7531.9	17823.8	11662.1	14647.3
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	212.0	237.6	224.8	133.2	41.2	75.3	810.1	106.9	303.9
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	180.0	196.0	188.0	0.0	0.0	0.0	1.1	0.0	0.2
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	200.0	236.0	218.0	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	249.6	280.0	264.8	0.0	0.0	0.0	228.0	236.0	232.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	216.0	196.0	3207.8	1379.4	2289.1	4848.3	1946.5	3106.5
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	141.6	172.0	156.8	3.6	0.1	0.6	3.6	0.1	0.6
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	161.6	204.0	182.8	0.3	0.0	0.0	0.3	0.0	0.0
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	117.6	149.6	133.6	3187.4	1332.0	2113.0	3367.8	1368.7	2198.9
49	2.0	PARGHAN	129.6	168.0	148.8	2876.7	896.3	1667.3	24.0	44.0	34.0	12324.9	10727.9	11616.6	15201.5	11624.2	12283.9
51	1.0	CEDAR CITY	105.6	149.6	127.6	168.5	1.7	20.8	16.0	49.6	32.8	11774.1	4788.7	8425.6	11942.6	4790.4	8446.4
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	120.0	144.0	132.0	36.6	2.8	10.7	36.6	2.8	10.7
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	232.0	253.6	242.8	93.8	18.5	31.9	402.4	38.4	123.9
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	233.6	253.6	243.6	0.0	0.0	0.0	0.0	0.0	0.0
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	217.6	240.0	228.8	0.0	0.0	0.0	0.0	0.0	0.0
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	173.6	212.0	192.8	0.1	0.0	0.0	0.1	0.0	0.0
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	181.6	220.0	200.8	451.7	93.6	213.5	547.1	102.0	243.6
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	36.0	73.6	64.8	9491.5	7520.6	8515.8	17801.5	13755.2	13760.9
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8673.5	9592.2	52.0	68.0	60.0	11362.5	10598.3	11102.1	22075.0	19271.8	20694.3
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4659.1	17.6	48.0	32.8	12888.7	11774.1	12448.6	18675.3	15447.6	17107.7

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: BERYL LONG TERM POP. 12834.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAMES	155.0	186.0	170.5	0.9	0.0	0.1	118.0	142.0	130.0	43.7	3.4	13.0	44.5	3.4	13.1
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	138.0	169.0	153.5	5.4	0.1	0.9	5.4	0.1	0.9
178	1.0	BUTTE	178.0	254.0	216.0	0.0	0.0	0.0	129.0	194.0	161.5	14.4	0.0	0.3	14.4	0.0	0.3
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	71.0	92.0	81.5	7673.0	5410.9	6316.4	13786.0	7698.0	10419.3
207	2.0	WHITE R	89.0	169.0	129.0	7115.4	866.0	2922.6	74.0	123.0	98.5	7339.9	2741.0	4768.7	14455.3	3607.0	7691.3
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	89.0	112.0	100.5	5719.2	3368.3	4578.9	15542.0	8318.5	11694.3
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	192.0	229.0	210.5	298.3	60.9	139.5	1955.5	403.9	933.5
134	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	134.0	178.0	156.0	0.4	0.0	0.6	0.6	0.0	0.6
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	91.0	137.0	94.0	11406.0	3478.9	8396.6	18631.1	7086.2	12360.8
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	18.0	62.0	40.0	11244.2	2672.8	6679.5	11380.9	2674.1	6695.6
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	135.0	174.0	154.5	1998.5	584.3	1123.4	2067.5	598.1	1155.0
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	72.0	166.0	119.0	10143.2	3678.1	6752.2	14384.5	4371.3	8639.2
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	6.7	28.0	71.0	49.5	9319.4	1639.8	4720.9	9379.2	1640.3	4727.6
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	169.0	212.0	190.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	652.9	166.0	195.0	180.5	771.3	263.0	461.9	2330.0	503.2	1114.8
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	171.0	194.0	182.5	0.1	0.0	0.0	33.3	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	149.0	174.0	161.5	1.5	0.1	0.3	96.9	0.9	11.4
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	158.0	182.0	170.0	0.5	0.0	0.1	0.6	0.0	0.1
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	135.0	165.0	150.0	7.5	0.2	1.3	61.9	0.2	2.4
156	2.0	HOT CRK	105.0	163.0	134.0	3183.7	1061.2	2555.6	137.0	157.0	147.0	1890.6	1037.6	1415.0	7074.3	2098.8	3970.5
170	2.0	PENOYER	63.0	93.0	80.0	10375.0	6357.3	8310.0	102.0	132.0	117.0	4439.2	2168.7	3174.9	14814.2	8326.0	11484.9
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	98.0	149.0	123.5	234.6	1.5	23.4	1214.2	1.6	47.5
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	129.0	182.0	155.5	2349.1	437.0	1088.4	3047.3	475.6	1330.2
183	2.0	LAKE	100.0	138.0	119.0	3755.3	2287.0	3764.2	45.0	83.0	64.0	10438.1	6234.3	8449.8	16193.4	8441.4	12213.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	49.0	151.0	100.0	10045.2	1252.9	4626.0	14484.7	1378.0	5618.3
196	2.0	HARLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	11.0	75.0	43.0	12676.5	7229.1	10627.3	19535.3	9097.6	14483.6
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	35.0	60.0	47.5	11326.0	8888.4	10194.7	20319.8	14296.9	17310.1
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	192.0	221.6	206.8	298.3	83.5	163.4	975.2	151.3	391.9
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	160.0	176.0	168.0	0.4	0.0	0.1	1.4	0.1	0.3
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	196.0	237.6	216.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	249.6	280.0	264.8	0.0	0.0	0.0	224.0	248.0	236.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	228.0	202.0	3149.6	1214.8	2016.9	4790.1	1585.9	2834.3
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	152.0	188.0	170.0	1.0	0.0	0.1	1.0	0.0	0.1
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	173.6	208.0	190.8	0.1	0.0	0.0	0.1	0.0	0.0
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	132.0	164.0	148.0	2168.7	825.0	1373.0	2349.2	861.7	1436.9
49	2.0	PARGHAN	129.6	168.0	148.8	2876.7	896.3	1667.3	41.6	72.0	56.8	10736.5	7361.9	9234.0	13632.2	8458.2	10901.3
51	1.0	CEDAR CITY	105.6	149.6	127.6	168.5	1.7	20.8	28.0	52.0	40.0	9319.4	4236.4	6679.5	9487.9	4238.1	6700.2
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	132.0	157.6	144.8	10.3	0.3	2.5	10.3	0.3	2.5
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	212.0	244.0	228.0	130.8	29.5	63.8	479.3	49.4	155.8
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	224.0	248.0	236.0	0.0	0.0	0.0	0.0	0.0	0.0
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	208.0	232.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	168.0	208.0	188.0	0.1	0.0	0.0	0.1	0.0	0.0
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	181.6	224.0	202.8	443.5	76.7	192.1	538.9	85.1	222.1
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	24.0	40.0	32.0	12101.4	10900.8	11360.7	20411.4	17135.4	18809.7
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8673.5	9592.2	24.0	52.0	38.0	12303.1	11392.8	12020.5	23015.6	20026.4	21612.7
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4659.1	52.0	81.6	66.8	11352.8	9488.9	10482.7	17139.5	13162.4	15141.8

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP 13967.0
BASE B: DELTA LONG TERM POP 13679.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAMES	155.0	186.0	170.5	0.9	0.0	0.1	111.0	132.0	121.5	89.5	11.2	33.1	90.4	11.2	33.2
175	1.0	LONG	178.0	232.0	205.0	0.0	0.0	0.0	120.0	145.0	132.5	38.3	2.6	10.6	38.4	2.6	10.6
178	1.0	BUTTE	178.0	254.0	216.0	0.0	0.0	0.0	106.0	138.0	122.0	139.4	5.8	31.5	139.5	5.8	31.5
180	2.0	CAVE	97.0	138.0	117.5	6113.0	2287.0	3902.9	100.0	123.0	111.5	4930.6	2921.5	3846.9	11043.6	5208.5	7749.8
207	2.0	WHITE R	89.0	169.0	129.0	7115.4	866.0	2922.6	102.0	146.0	124.0	4731.4	1553.9	2848.8	11846.8	2419.9	5771.3
172	2.0	GARDEN	69.0	109.0	89.0	9822.8	4750.2	7115.4	142.0	169.0	155.5	1747.7	741.9	1160.1	11570.5	5492.1	8275.5
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	222.0	278.0	250.0	89.5	5.1	23.2	1746.7	348.2	817.2
134	1.0	NEWARK	166.0	217.0	191.5	0.2	0.0	0.0	131.0	155.0	143.0	12.4	0.8	3.2	12.6	0.8	3.2
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	35.0	77.0	56.0	12939.8	10453.9	11865.6	20184.8	12061.3	15629.7
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	48.0	91.0	69.5	5341.2	465.7	1904.7	5477.9	467.0	1920.8
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	35.0	77.0	56.0	12071.7	7469.8	9733.0	12140.6	7483.5	9764.6
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	0.0	66.0	33.0	13679.0	11226.9	13019.8	17918.3	11920.1	14906.8
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	6.7	35.0	129.0	82.0	8296.7	15.4	879.3	8356.5	15.9	884.0
139	1.0	KOSEN	189.0	226.0	207.5	0.0	0.0	0.0	168.0	203.0	186.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1358.8	238.2	632.9	183.0	217.0	200.0	448.7	112.0	230.9	2007.5	350.3	863.8
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	208.0	246.0	227.0	0.0	0.0	0.0	33.2	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	194.0	232.0	213.0	0.0	0.0	0.0	95.4	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	163.0	186.0	174.5	0.3	0.0	0.1	0.4	0.0	0.1
155	1.0	LITTLE SMO	118.0	188.0	153.0	34.3	0.0	1.1	148.0	180.0	164.0	1.8	0.0	0.2	36.1	0.0	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	3182.7	1041.2	2355.6	169.0	206.0	187.5	741.9	180.1	378.5	3925.6	1241.3	2934.1
170	2.0	PENOYER	63.0	95.0	80.0	10375.0	6357.3	8310.0	166.0	205.0	185.5	822.0	187.8	408.4	11197.1	6545.1	8718.5
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	126.0	209.0	167.5	21.0	0.0	0.1	980.5	0.1	22.2
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	86.0	126.0	106.0	6431.2	2707.1	4346.3	9129.4	2745.6	4788.1
183	2.0	LAKE	100.0	138.0	119.0	5755.3	2287.0	3764.2	92.0	111.0	101.5	5767.2	3890.8	4780.8	11522.5	6177.8	8545.0
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	65.0	98.0	81.5	8888.3	5133.9	6945.4	13327.8	5259.0	7937.9
196	2.0	HAMLIN	91.0	145.0	118.0	6838.7	1868.5	3836.3	66.0	103.0	85.5	8770.3	4440.9	6487.8	15629.1	6309.4	10344.1
202	2.0	PATTERSON	73.0	103.0	89.0	8993.9	5408.5	7115.4	102.0	126.0	114.0	4731.4	2707.1	3631.8	13725.3	8115.6	10747.2
137B	2.0	BIG SMOKY	176.0	232.0	204.0	674.9	63.8	228.5	217.6	236.0	226.8	109.1	17.1	44.8	785.9	82.8	273.3
150	1.0	LIT FISH L	153.6	181.6	167.6	1.0	0.0	0.2	193.6	216.0	204.8	0.0	0.0	0.0	1.1	0.0	0.2
53	1.0	PINE(N)	224.0	277.6	250.8	0.0	0.0	0.0	185.6	216.0	200.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	249.6	280.0	264.8	0.0	0.0	0.0	205.6	236.0	220.8	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	145.6	169.6	157.6	5230.1	3711.2	4434.6	6870.6	4082.4	5252.0
186	1.0	ANTELOPE	233.6	261.6	247.6	0.0	0.0	0.0	96.0	124.0	110.0	318.0	25.7	98.0	318.0	25.7	98.0
187	1.0	GOSHUTE	241.6	288.0	264.8	0.0	0.0	0.0	117.6	152.0	134.8	48.4	1.1	8.2	48.4	1.1	8.2
3	2.0	DEEP CRK	209.6	244.0	226.8	180.4	36.7	83.9	73.6	100.0	86.8	7870.4	4930.6	6341.2	8050.9	4967.3	6425.0
49	2.0	PARGHAN	129.6	168.0	148.8	2876.7	896.3	1647.3	81.6	116.0	98.8	6933.9	3463.3	5052.1	9810.5	4361.6	6719.3
51	1.0	CEDAR CITY	103.6	149.6	127.6	168.5	1.7	20.8	85.6	128.0	106.8	687.4	17.1	130.1	855.8	18.8	150.8
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	84.0	104.0	94.0	767.9	165.5	371.3	767.9	165.5	371.3
56	2.0	UPPER REES	193.6	256.0	224.8	348.5	19.9	92.0	232.0	265.6	248.8	56.3	10.2	24.7	404.9	30.1	116.7
55	1.0	CARICO L	236.0	272.0	254.0	0.0	0.0	0.0	228.0	241.6	234.8	0.0	0.0	0.0	0.0	0.0	0.0
138	1.0	GRASS	220.0	253.6	236.8	0.0	0.0	0.0	208.0	232.0	220.0	0.0	0.0	0.0	0.0	0.0	0.0
153	1.0	DIAMOND	196.0	248.0	222.0	0.0	0.0	0.0	169.6	192.0	180.8	0.1	0.0	0.0	0.1	0.0	0.0
47	2.0	HUNTINGTON	224.0	272.0	248.0	95.4	8.4	30.0	160.0	189.6	174.8	1003.6	349.1	605.3	1099.0	357.5	635.4
198	2.0	DRY	80.0	96.0	88.0	8310.0	6234.6	7245.1	120.0	136.0	128.0	3147.1	2072.0	2570.3	11457.1	8306.6	9813.4
201	3.0	SPRING	96.0	116.0	106.0	10512.5	8673.5	9592.2	105.6	121.6	113.6	8249.3	6995.5	7618.7	18761.8	15669.0	17210.9
48	3.0	BEAVER	149.6	180.0	164.8	5786.6	3673.5	4639.1	60.0	88.0	74.0	11618.5	9627.9	10670.9	17403.1	13301.3	15330.0

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP 16943.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAMES	118.0	142.0	130.0	37.6	4.5	17.1	15.0	37.0	26.0	13088.1	8209.2	10887.6	13145.8	8209.7	10904.7
175	1.0	LONG	138.0	169.0	153.5	7.1	0.1	1.1	34.0	75.0	54.5	8950.5	1444.3	4268.2	8957.6	1444.4	4269.3
178	1.0	BUTTE	129.0	194.0	161.5	19.0	0.0	0.4	23.0	97.0	60.0	11560.8	308.2	3300.8	11579.8	308.2	3301.2
180	2.0	CAVE	71.0	92.0	81.5	10129.7	7143.3	8602.7	20.0	62.0	41.0	13773.2	9692.0	12085.5	23902.9	16835.3	20688.2
207	2.0	WHITE R	74.0	123.0	98.5	9689.9	3618.6	6295.5	5.0	72.0	38.5	14310.4	8453.3	12333.2	24000.3	12071.9	18628.6
172	2.0	GARDEN	89.0	112.0	100.5	7550.3	4710.8	6044.9	63.0	102.0	82.5	9369.1	4962.5	7163.7	17119.4	9673.3	13208.6
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	123.0	183.0	153.0	3064.1	470.6	1316.4	3458.0	551.0	1500.6
134	1.0	NEWARK	134.0	178.0	156.0	11.1	0.0	0.8	34.0	74.0	54.0	8950.5	1534.9	4363.8	8961.6	1534.9	4364.6
4	3.0	SNAKE	51.0	137.0	94.0	15057.8	7233.0	11349.0	25.0	89.0	57.0	13946.0	10017.3	12381.4	29003.8	17250.3	23730.4
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	38.0	94.0	76.0	3634.5	389.5	1358.0	18478.7	3918.0	10176.0
9	2.0	GOVT CRK	139.0	174.0	134.5	2638.4	771.4	1483.1	114.0	142.0	128.0	3809.2	1833.1	2693.8	6447.6	2604.5	4178.9
46	3.0	SEV DES	72.0	166.0	119.0	13393.3	4855.7	8914.1	82.0	155.0	118.5	10574.1	4825.8	7589.0	23969.4	9681.5	16503.1
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	91.0	169.0	130.0	488.5	0.1	14.5	12791.6	2164.9	6246.8
139	1.0	KOSEN	169.0	212.0	190.5	0.1	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	306.9	1729.3	112.4	306.9
140	2.0	MONITOR	166.0	195.0	180.5	1018.2	349.9	609.8	85.0	118.0	101.5	6864.0	3465.0	5014.3	7882.2	3814.9	5624.1
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	112.0	157.0	134.5	85.7	0.6	8.9	85.8	0.6	8.9
149	1.0	STONE CBN	149.0	174.0	161.5	2.0	0.1	0.4	98.0	145.0	121.5	284.7	2.7	34.7	286.6	2.8	35.1
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	68.0	89.0	78.5	2173.2	363.8	1159.9	2173.8	363.8	1160.0
155	1.0	LITTLE SMO	139.0	163.0	150.0	10.0	0.3	1.7	49.0	88.0	68.5	5384.6	608.2	2113.5	5394.6	608.4	2115.2
156	2.0	HOT CRK	137.0	157.0	147.0	2493.9	1269.8	1868.0	71.0	120.0	95.5	8577.6	3300.8	5657.1	11073.5	4670.5	7525.0
170	2.0	PENOYER	102.0	132.0	117.0	5860.4	2843.1	4191.3	88.0	129.0	108.5	6510.0	2626.0	4315.8	12370.4	5489.1	8507.2
173	1.0	RAILROAD	98.0	149.0	123.5	326.2	2.0	33.3	29.0	126.0	77.5	10178.5	22.0	1236.2	10514.6	24.0	1269.7
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	376.9	1436.9	0.0	85.0	42.5	14347.0	6864.0	11932.1	17448.2	7440.9	13369.0
183	2.0	LAKE	43.0	83.0	64.0	13780.1	6388.8	11155.1	25.0	68.0	46.5	13460.6	8950.5	11506.4	27240.6	17339.2	22661.5
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1654.0	6107.1	9.0	64.0	36.5	14228.9	9449.9	12923.4	27490.3	11100.0	18630.4
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9543.6	14029.8	34.0	95.0	64.5	12750.6	3712.3	9384.2	29485.7	15255.9	23413.9
202	2.0	PATTERSON	39.0	60.0	47.5	14932.1	11734.2	13458.7	98.0	91.0	74.5	10178.5	6162.9	8143.3	23130.6	17897.1	21601.9
137B	2.0	BIG SMOKY	192.0	321.6	206.8	393.9	112.9	215.7	108.0	141.6	124.8	4363.8	1854.4	2927.8	4757.6	1967.3	3143.3
150	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	80.0	104.0	92.0	1092.6	173.6	453.3	1093.1	173.6	453.5
53	1.0	PINE(N)	196.0	237.6	216.8	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESCENT	224.0	248.0	236.0	0.0	0.0	0.0	114.0	141.6	128.8	59.1	4.0	16.4	59.1	4.0	16.4
176	3.0	RUBY	176.0	228.0	202.0	4158.1	1603.7	2662.7	63.6	124.0	94.8	11803.3	7143.6	9344.5	13961.3	8747.3	12207.2
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.0	68.0	100.0	84.0	2173.2	242.2	803.4	2174.5	242.2	803.5
187	1.0	GOSHUTE	173.6	208.0	190.8	0.1	0.0	0.0	77.6	128.0	102.8	1228.4	17.9	192.1	1228.4	17.9	192.1
3	2.0	DEEP CRK	132.0	164.0	148.0	2863.1	1089.1	1812.6	60.0	89.6	74.8	9936.3	6323.9	8106.1	12799.4	7413.0	9918.7
49	3.0	PARGHAN	41.6	72.0	56.8	14200.4	9982.9	12190.4	136.0	156.0	146.0	2173.2	1197.5	1629.8	16373.5	11180.5	13820.1
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	3619.2	8018.0	128.0	156.0	142.0	17.9	0.7	3.8	12321.0	3619.9	8021.8
185	1.0	TIPPETT	132.0	157.6	144.8	13.8	0.7	3.3	45.6	72.6	59.6	6140.0	1372.3	3363.8	6153.8	1373.0	3369.1
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	123.6	132.0	128.8	2868.6	1358.0	2009.1	3041.3	1396.9	2093.3
55	1.0	CARICO L	224.0	248.0	236.0	0.0	0.0	0.0	121.6	140.0	130.8	34.3	4.8	13.3	34.3	4.8	13.3
138	1.0	GRASS	208.0	232.0	220.0	0.0	0.0	0.0	105.6	125.6	115.6	131.4	22.9	61.4	131.4	22.9	61.4
153	1.0	DIAMOND	168.0	208.0	188.0	0.2	0.0	0.0	61.6	97.6	79.6	3048.8	293.9	1080.4	3048.9	293.9	1080.4
47	2.0	HUNTINGTON	181.6	224.0	202.8	583.3	181.3	234.9	72.0	116.0	94.0	8453.3	3634.5	5823.5	9038.8	3735.8	6078.4
198	2.0	DRY	24.0	40.0	32.0	15975.9	14390.8	13262.0	92.0	104.0	98.0	6048.8	4758.2	5384.6	22024.7	19149.0	20646.6
201	3.0	SPRING	24.0	52.0	38.0	16506.1	14987.6	15869.0	64.0	93.6	78.8	11914.8	9642.9	10825.8	28420.9	24630.5	26694.8
48	3.0	BEAVER	52.0	81.6	66.8	14987.6	12326.9	13838.9	129.6	152.0	138.8	7015.4	5031.6	5988.4	22003.0	17358.5	19827.3

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: COYOTE LONG TERM POP. 12193.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAKES	118.0	142.0	130.0	97.6	4.9	17.1	155.0	186.0	170.5	0.7	0.0	0.1	98.3	4.5	17.2
175	1.0	LONG	138.0	169.0	153.5	7.1	0.1	1.1	178.0	232.0	205.0	0.0	0.0	0.0	7.2	0.1	1.1
178	1.0	BUTTE	129.0	194.0	161.5	19.0	0.0	0.4	178.0	254.0	216.0	0.0	0.0	0.0	19.0	0.0	0.4
180	2.0	CAVE	71.0	92.0	81.5	10129.7	7143.3	8602.7	97.0	138.0	117.5	4668.9	1746.8	2980.9	14798.6	8890.1	11583.6
207	2.0	WHITE R	74.0	123.0	98.5	9689.9	3618.6	6295.5	89.0	169.0	129.0	3434.5	661.4	2232.1	13124.3	4280.0	8527.6
172	2.0	GARDEN	89.0	112.0	100.5	7550.3	4710.8	6044.9	49.0	109.0	89.0	7502.3	3428.0	5434.5	13052.6	8238.8	11479.4
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	149.0	194.0	171.5	1269.7	262.0	606.4	1639.5	342.4	790.6
134	1.0	NEWARK	134.0	178.0	156.0	11.1	0.0	0.8	166.0	217.0	191.5	0.2	0.0	0.0	11.3	0.0	0.8
4	3.0	SNAKE	31.0	137.0	94.0	15037.8	7233.0	11349.0	132.0	225.0	178.5	3533.5	1227.7	2874.9	20591.3	8460.7	14223.9
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	108.0	192.0	150.0	104.4	1.0	12.3	14948.6	3529.5	8830.3
9	2.0	GOVT CRK	135.0	174.0	154.5	2638.4	771.4	1483.1	231.0	263.0	247.0	52.7	10.3	24.1	2691.0	781.9	1507.2
46	3.0	DEV DEB	72.0	166.0	119.0	12393.3	4855.7	8914.1	171.0	263.0	217.0	3237.8	529.5	1441.2	16631.1	5385.1	10355.3
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	117.0	159.0	138.0	45.7	0.4	5.1	12348.8	2165.2	6237.5
139	1.0	KOBEH	169.0	212.0	190.5	0.1	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.2	0.0	0.0
140	2.0	MONITOR	166.0	193.0	180.5	1018.2	349.9	669.8	151.0	203.0	177.0	1190.5	182.0	498.7	2208.7	531.8	1168.4
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.5	0.1	2.2
149	1.0	STONE CBN	149.0	174.0	161.5	2.0	0.1	0.4	112.0	135.0	132.5	72.9	0.7	8.5	74.8	0.7	8.9
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	169.0	197.0	183.0	0.1	0.0	0.0	0.7	0.0	0.1
153	1.0	LITTLE SMO	135.0	165.0	150.0	10.0	0.2	1.7	118.0	188.0	153.0	41.5	0.0	0.9	51.5	0.3	2.6
156	2.0	HOT CRK	137.0	157.0	147.0	2493.9	1349.8	1848.0	105.0	163.0	134.0	3959.1	810.5	1931.9	6455.0	2180.3	3819.8
170	2.0	PENOYER	102.0	132.0	117.0	5860.4	2843.1	4191.3	65.0	95.0	80.0	7924.1	4895.5	6346.9	13784.5	7718.6	10538.2
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	83.0	171.0	127.0	732.9	0.1	16.9	1069.0	2.0	50.4
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	576.9	1436.9	132.0	243.0	187.5	2060.7	29.5	337.4	5162.0	606.3	1774.3
183	2.0	LAKE	45.0	83.0	64.0	13780.1	8388.8	11159.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	18175.7	10135.5	14030.0
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1634.0	6107.1	112.0	218.0	165.0	3390.7	95.5	758.0	16652.0	1749.6	6865.1
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9543.6	14029.8	91.0	145.0	118.0	5238.5	1427.1	2945.3	21973.5	10970.7	16975.1
202	2.0	PATTERSON	35.0	60.0	47.5	14952.1	11734.2	13458.7	75.0	103.0	89.0	6869.2	4130.8	5434.5	21821.3	15863.0	18893.2
137B	2.0	BIG SMOKY	192.0	221.6	206.8	393.9	112.9	213.7	176.0	232.0	204.0	517.0	50.2	174.6	910.8	163.2	390.2
130	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	153.6	181.6	167.6	0.8	0.0	0.1	1.3	0.1	0.3
53	1.0	PINE(N)	196.0	237.6	216.8	0.0	0.0	0.0	224.0	277.6	250.8	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	224.0	248.0	236.0	0.0	0.0	0.0	249.6	280.0	264.8	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	176.0	228.0	202.0	4138.1	1603.7	2662.7	224.0	288.0	256.0	1232.9	283.5	624.3	5411.0	1887.2	3287.0
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.1	233.6	261.6	247.6	0.0	0.0	0.0	1.4	0.0	0.1
187	1.0	GOSHUTE	173.6	208.0	190.8	0.1	0.0	0.0	241.6	288.0	264.8	0.0	0.0	0.0	0.1	0.0	0.0
3	2.0	DEEP CRK	132.0	164.0	148.0	2843.1	1089.1	1812.6	209.6	244.0	226.8	137.8	28.0	64.1	3000.9	1117.2	1876.7
49	2.0	PARDWAN	41.6	72.0	56.8	14200.4	9982.9	12190.4	129.6	168.0	148.8	2197.1	684.6	1273.4	16397.4	10667.5	13463.8
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	5619.2	8818.0	105.6	149.6	127.6	128.7	1.3	13.8	12431.8	5620.5	8833.8
189	1.0	TIPPETT	132.0	157.6	144.8	13.8	0.7	3.3	204.0	232.0	218.0	0.0	0.0	0.0	13.8	0.7	3.3
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	193.6	256.0	224.8	266.2	13.2	70.3	438.9	54.2	154.4
55	1.0	CARICO L	224.0	248.0	236.0	0.0	0.0	0.0	236.0	272.0	254.0	0.0	0.0	0.0	0.0	0.0	0.0
138	1.0	GRASS	208.0	232.0	220.0	0.0	0.0	0.0	220.0	253.6	236.8	0.0	0.0	0.0	0.0	0.0	0.0
153	1.0	DIAMOND	168.0	208.0	188.0	0.2	0.0	0.0	196.0	248.0	222.0	0.0	0.0	0.0	0.2	0.0	0.0
47	2.0	HUNTINGTON	181.6	224.0	202.8	583.5	101.3	254.9	224.0	272.0	248.0	72.9	6.4	22.9	656.4	107.7	277.8
198	2.0	DRY	24.0	40.0	32.0	15973.9	14390.8	15262.0	80.0	96.0	88.0	6346.9	4761.8	5533.3	22322.8	19132.6	20795.5
201	3.0	SPRING	24.0	52.0	38.0	16306.1	14987.6	15869.0	96.0	116.0	106.0	8029.1	6624.5	7326.2	24535.2	21612.1	23195.2
48	3.0	BEAVER	32.0	81.6	66.8	14987.6	12926.9	13838.9	149.6	180.0	164.8	4419.6	2805.7	3552.4	19407.2	15332.6	17397.4

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	VE	COMBINED EFFECTS MAX	MIN	AVE
174	1.0	JAKES	123.0	145.0	134.0	33.8	3.2	11.3	15.0	37.0	26.0	13088.1	8205.2	.7.6	13123.9	8208.4	10898.9
175	1.0	LONG	142.0	171.0	156.5	4.6	0.1	0.8	34.0	75.0	54.5	8950.5	1444.3	448.2	8955.0	1444.4	4249.0
178	1.0	BUTTE	129.0	165.0	137.0	19.3	0.0	0.7	22.0	97.0	60.0	11560.8	308.2	3300.8	11580.2	308.3	3301.5
180	2.0	CAVE	86.0	103.0	94.5	8096.5	5833.3	6923.2	20.0	62.0	41.0	13773.2	9492.0	12085.5	21869.7	15325.2	19008.8
207	2.0	WHITE R	97.0	135.0	116.0	6393.1	2681.7	4362.6	3.0	72.0	38.5	14310.4	8493.3	12333.2	20903.6	11135.0	16695.8
172	2.0	GARDEN	117.0	142.0	129.5	4260.1	2200.3	3110.8	63.0	102.0	82.5	9369.1	4962.5	7163.7	13829.2	7162.8	10274.5
137A	2.0	BIG SMOKY	211.0	238.0	224.5	183.3	19.3	63.0	123.0	183.0	153.0	3044.1	470.6	1316.4	3247.4	489.9	1379.3
134	1.0	NEWARK	142.0	180.0	161.0	4.6	0.0	0.4	34.0	74.0	54.0	8950.5	1534.9	4363.8	8955.0	1534.9	4364.2
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	39.0	89.0	57.0	13946.0	10017.3	12381.4	29781.9	19767.0	25496.1
5	1.0	PINE	29.0	51.0	38.0	13343.5	5956.6	9591.9	58.0	94.0	76.0	3634.5	389.5	1358.0	16978.0	6346.0	10909.9
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2127.2	3677.9	114.0	142.0	128.0	3809.2	1833.1	2695.8	9642.5	3970.3	6373.8
46	3.0	DEV DEB	33.0	139.0	82.0	16290.4	8096.3	12694.7	82.0	153.0	118.5	10376.1	4825.8	7589.0	26866.5	12922.3	20283.8
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16338.3	91.0	169.0	130.0	488.5	0.1	14.5	17709.5	14627.1	16346.7
139	1.0	KOBEH	178.0	215.0	196.5	0.0	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	306.9	1729.2	112.4	306.9
140	2.0	MONITOR	186.0	209.0	197.5	504.6	199.7	321.7	83.0	118.0	101.5	6864.0	3463.0	5014.3	7368.6	3664.7	5336.0
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	112.0	157.0	134.5	85.7	0.6	8.9	85.7	0.6	8.9
149	1.0	STONE CBN	177.0	206.0	191.5	0.0	0.0	0.0	98.0	145.0	121.5	284.7	2.7	34.7	284.7	2.7	34.7
151	1.0	ANTELOPE	172.0	194.0	183.0	0.1	0.0	0.0	68.0	89.0	78.5	2173.2	363.8	1159.9	2173.3	363.8	1159.9
153	1.0	LITTLE SMO	148.0	175.0	161.5	2.3	0.1	0.4	49.0	88.0	68.5	3384.6	608.2	2113.5	3386.8	608.2	2113.9
156	2.0	HOT CRK	160.0	186.0	173.0	1263.5	904.6	812.3	71.0	120.0	95.5	8977.6	3300.8	5637.1	9841.1	3805.3	6449.4
170	2.0	PENOYER	134.0	168.0	151.0	2756.3	966.7	1681.2	88.0	129.0	108.5	6910.0	3686.0	4319.8	9666.2	3992.7	5997.0
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	39.0	126.0	77.5	10178.5	22.0	1236.2	10237.1	22.0	1238.4
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	0.0	85.0	42.5	14347.0	6864.0	11932.1	21607.6	7735.4	14881.5
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9230.1	25.0	68.0	46.5	12460.6	8930.5	11306.4	24946.6	16211.0	20836.5
184	2.0	SPRING	68.0	148.0	108.0	11633.5	2800.3	5936.6	0.0	64.0	34.5	14828.9	9445.9	12383.4	23862.4	11646.2	18480.0
196	2.0	HAMLIN	37.0	75.0	56.0	14975.8	9700.2	12503.0	34.0	95.0	64.5	12790.6	5712.3	9384.2	27726.4	13412.5	21889.2
202	2.0	PATTERSON	68.0	83.0	75.5	11633.5	8229.0	9923.8	58.0	91.0	74.5	10178.5	6162.9	8143.2	21811.9	14401.9	18066.5
137B	2.0	BIG SMOKY	212.0	237.6	224.8	178.3	54.8	99.2	108.0	141.6	124.8	4363.8	1834.4	2987.8	4539.5	1908.6	3087.0
130	1.0	LIT FISH L	180.0	194.0	188.0	0.0	0.0	0.0	80.0	104.0	92.0	1088.6	173.6	493.3	1088.7	173.6	493.3
53	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESCENT	228.0	236.0	232.0	0.0	0.0	0.0	116.0	141.6	128.8	39.1	4.0	16.4	39.1	4.0	16.4
176	3.0	RUBY	176.0	216.0	196.0	4826.3	2073.5	3013.9	63.6	124.0	94.0	11803.3	7143.6	9344.3	16629.6	9219.1	12360.4
186	1.0	ANTELOPE	141.6	172.0	156.8	4.8	0.1	0.8	68.0	100.0	84.0	2173.2	248.2	805.4	2178.0	248.3	806.1
187	1.0	GOSHUTE	161.6	204.0	182.8	0.4	0.0	0.0	77.6	128.0	102.8	1228.4	17.9	192.1	1228.8	17.9	192.1
3	2.0	DEEP CRK	117.6	149.6	133.6	4199.3	1794.9	2786.6	60.0	89.6	74.8	9936.3	6323.9	8104.1	14135.6	8078.9	10892.7
49	2.0	PARDWAN	24.0	44.0	34.0	16238.0	14123.9	15304.9	136.0	156.0	146.0	2173.2	1197.3	1629.8	18411.2	13331.3	16934.6
51	1.0	CEDAR CITY	16.0	49.6	32.8	15912.4	6309.0	11100.7	128.0	156.0	142.0	17.9	0.7	3.8	15930.3	6309.7	11104.6
189	1.0	TIPPETT	180.0	144.0	132.0	48.2	3.6	14.0	43.6	73.6	59.6	6140.0	1372.3	3363.8	6188.2	1373.9	3379.9
56	2.0	UPPER REES	232.0	253.6	243.8	70.9	24.3	48.0	125.6	152.0	138.8	2868.6	1398.0	2009.1	2939.5	1382.3	2051.1
55	1.0	CARICO L	233.6	253.6	243.6	0.0	0.0	0.0	121.6	140.0	130.8	34.3	4.8	13.3	34.3	4.8	13.3
138	1.0	GRASS	217.6	240.0	228.8	0.0	0.0	0.0	109.6	123.6	113.6	131.4	22.9	61.4	131.4	22.9	61.4
153	1.0	DIAMOND	173.6	212.0	192.8	0.1	0.0	0.0	61.6	97.6	79.6	3048.8	293.9	1080.4	3048.9	293.9	1080.4
47	2.0	HUNTINGTON	181.6	220.0	200.8	593.1	123.4	281.3	72.0	116.0	94.0	8493.3	3634.3	5823.3	9048.4	3757.9	6104.9
198	2.0	DRY	56.0	72.6	64.8	12908.0	9908.4	11219.5	92.0	104.0	98.0	6048.8	4738.2	5384.6	18533.9	14646.3	16604.1
201	3.0	SPRING	32.0	68.0	60.0	13233.3	13943.2	14626.9	64.0	92.6	78.8	11914.8	9642.9	10823.8	27148.3	23606.1	25452.7
48	3.0	BEAVER	17.6	48.0	32.8	16980.8	15912.4	16400.9	123.6	152.0	138.8	7019.4	5031.6	5988.4	23996.2	20944.0	22389.3

EFFECT INDEX OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO.	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
174	1.0	JAKES	123.0	145.0	134.0	35.8	3.2	11.3	153.0	186.0	170.5	0.7	0.0	0.1	36.5	3.2	11.4
175	1.0	LONG	142.0	171.0	156.5	4.6	0.1	0.8	178.0	232.0	205.0	0.0	0.0	0.0	4.6	0.1	0.8
178	1.0	BUTTE	129.0	185.0	157.0	19.3	0.0	0.7	178.0	254.0	216.0	0.0	0.0	0.0	19.4	0.0	0.7
180	2.0	CAVE	86.0	103.0	94.5	8096.5	5833.3	6923.2	97.0	138.0	117.5	4668.9	1746.8	2980.9	12765.4	7580.0	9904.1
207	2.0	WHITE R	97.0	135.0	116.0	6593.1	2681.7	4362.6	89.0	169.0	129.0	5434.5	661.4	2232.1	12027.6	3343.1	6594.7
172	2.0	GARDEN	117.0	142.0	129.5	4260.1	2200.3	3110.8	69.0	109.0	89.0	7502.3	3628.0	5434.5	11762.4	5828.3	8545.3
137A	2.0	BIG SMOKY	211.0	258.0	234.5	183.5	19.3	63.0	149.0	194.0	171.5	1265.7	262.0	606.4	1449.0	281.3	669.4
154	1.0	NEWARK	142.0	180.0	161.0	4.6	0.0	0.4	166.0	217.0	191.5	0.2	0.0	0.0	4.7	0.0	0.4
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	132.0	225.0	178.5	5533.5	1227.7	2874.9	21369.3	10977.4	15989.7
5	1.0	PINE	25.0	51.0	38.0	13343.5	5956.6	9551.9	108.0	152.0	130.0	104.4	1.0	12.3	13447.8	5957.6	9564.2
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2137.2	3677.9	231.0	263.0	247.0	52.7	10.5	24.1	5885.9	2147.7	3702.1
46	3.0	SEV DES	35.0	129.0	82.0	16290.4	8096.5	12694.7	171.0	263.0	217.0	3237.8	529.5	1441.2	19528.2	8626.0	14135.9
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16532.3	117.0	159.0	138.0	45.7	0.4	3.1	17266.7	14627.3	16537.4
139	1.0	ROSEN	178.0	213.0	196.5	0.0	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	186.0	209.0	197.5	504.6	199.7	321.7	151.0	203.0	177.0	1190.5	182.0	498.7	1695.1	381.6	820.4
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.4	0.1	2.2
149	1.0	STONE CBN	177.0	206.0	191.5	0.0	0.0	0.0	112.0	155.0	133.5	72.9	0.7	8.5	72.9	0.7	8.5
151	1.0	ANTELOPE *	172.0	194.0	183.0	0.1	0.0	0.0	169.0	197.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
155	1.0	LITTLE SMO	148.0	175.0	161.5	2.3	0.1	0.4	118.0	188.0	153.0	41.5	0.0	0.9	43.7	0.1	1.3
156	2.0	HOT CRK	160.0	186.0	173.0	1263.5	504.6	812.3	105.0	163.0	134.0	3959.1	810.5	1951.9	5222.6	1315.1	2764.2
170	2.0	PENOYER	134.0	168.0	151.0	2756.3	966.7	1681.2	65.0	95.0	80.0	7924.1	4855.5	6346.9	10680.3	5822.2	8028.1
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	83.0	171.0	127.0	732.9	0.1	16.9	791.4	0.1	19.1
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	132.0	243.0	187.5	2060.7	29.5	337.4	9321.3	900.9	3286.9
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9330.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	15881.7	9007.3	12205.0
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	112.0	218.0	165.0	3090.7	95.5	798.0	15024.1	2295.8	6714.6
196	2.0	HARLIN	37.0	75.0	56.0	14975.8	9700.2	12505.0	91.0	145.0	118.0	5238.5	1427.1	2945.3	20214.3	11127.3	15450.3
202	2.0	PATTERSON	62.0	85.0	73.5	11633.5	8239.0	9923.2	75.0	103.0	89.0	6869.2	4130.8	5434.5	18502.6	12369.9	15357.7
137B	2.0	BIG SMOKY	212.0	237.6	224.8	175.5	54.2	99.2	176.0	232.0	204.0	517.0	30.2	174.6	692.5	104.5	273.8
150	1.0	LIT FISH L	180.0	196.0	188.0	0.0	0.0	0.0	153.6	181.6	167.6	0.8	0.0	0.1	0.8	0.0	0.1
33	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	224.0	277.6	250.8	0.0	0.0	0.0	0.0	0.0	0.0
34	1.0	CRESCENT	228.0	236.0	232.0	0.0	0.0	0.0	249.6	280.0	264.8	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	176.0	216.0	196.0	4226.3	2075.5	3013.9	224.0	288.0	256.0	1232.9	283.5	624.3	5479.2	2359.0	3640.2
186	1.0	ANTELOPE	141.6	172.0	156.8	4.8	0.1	0.8	233.6	261.6	247.6	0.0	0.0	0.0	4.8	0.1	0.8
187	1.0	GOSHUTE	161.6	204.0	182.8	0.4	0.0	0.0	241.6	288.0	264.8	0.0	0.0	0.0	0.4	0.0	0.0
3	2.0	DEEP CRK	117.6	149.6	133.6	4199.3	1794.9	2786.6	209.6	244.0	226.8	137.8	28.0	64.1	4337.2	1783.0	2850.6
49	2.0	PAROWAN	24.0	44.0	34.0	16238.0	14123.9	15304.9	129.6	168.0	148.8	2197.1	684.6	1273.4	18435.1	14818.5	16578.3
51	1.0	CEDAR CITY	16.0	49.6	32.8	15512.4	6309.0	11100.7	105.6	149.6	127.6	128.7	1.3	15.8	15641.1	6310.3	11116.6
189	1.0	TIPPETT	120.0	144.0	132.0	48.2	3.6	14.0	204.0	232.0	218.0	0.0	0.0	0.0	48.2	3.6	14.0
36	2.0	UPPER REES	232.0	253.6	242.8	70.9	24.3	42.0	193.6	256.0	224.8	266.2	15.2	70.3	337.1	39.5	112.3
35	1.0	CARICO L	233.6	253.6	243.6	0.0	0.0	0.0	236.0	272.0	254.0	0.0	0.0	0.0	0.0	0.0	0.0
138	1.0	GRASS	217.6	240.0	228.8	0.0	0.0	0.0	220.0	253.6	236.8	0.0	0.0	0.0	0.0	0.0	0.0
153	1.0	DIAMOND	173.6	212.0	192.8	0.1	0.0	0.0	196.0	248.0	222.0	0.0	0.0	0.0	0.1	0.0	0.0
47	2.0	HUNTINGTON	181.6	220.0	200.8	595.1	123.4	281.3	224.0	272.0	248.0	72.9	6.4	22.9	668.0	129.8	304.3
198	2.0	DRY	36.0	73.6	64.8	12505.0	9908.4	11219.5	80.0	96.0	88.0	6346.9	4761.8	5533.5	18851.9	14670.1	16753.0
201	3.0	SPRING	52.0	68.0	60.0	15233.5	13963.2	14626.9	96.0	116.0	106.0	8029.1	6624.5	7326.2	23262.6	20587.7	21953.1
48	3.0	BEAVER	17.6	48.0	32.8	16980.8	15512.4	16400.9	149.6	180.0	164.8	4419.6	2805.7	3558.4	21400.4	18318.1	19959.4

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON SAGEGROUSE HABITAT

LOCATION NO.	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
174	JAKES	1.0	8.7	13.1	33.2	10904.7	17.2	10898.9	11.4
175	LONG	1.0	0.6	0.9	10.6	4269.3	1.1	4269.0	0.8
178	BUTTE	1.0	0.6	0.3	31.5	3301.2	0.4	3301.5	0.7
180	CAVE	2.0	9157.7	10419.3	7749.8	20688.2	11583.6	19008.8	9904.1
207	WHITE R	2.0	6233.8	7491.3	5771.3	18628.6	8927.6	16695.8	6394.7
172	GARDEN	2.0	9476.5	11694.3	8275.5	13208.6	11479.4	10274.5	8545.3
137A	BIG SMOKY	2.0	841.8	933.5	817.2	1500.6	790.6	1379.3	669.4
154	NEWARK	1.0	0.3	0.6	3.2	4364.6	0.8	4364.2	0.4
4	SNAKE	3.0	13718.4	12360.8	15629.7	23730.4	14223.9	25496.1	13989.7
5	PINE	1.0	7266.2	6695.6	1920.8	10176.0	8830.3	10909.9	9564.2
9	GOVT CRK	2.0	2823.2	1135.0	9964.6	4178.9	1507.2	6373.8	3702.1
46	SEV DES	3.0	11522.4	8639.2	14906.8	16503.1	10355.3	20283.8	14135.9
50	MILFORD	1.0	12555.0	4727.6	886.0	6246.8	6237.5	16546.7	16537.4
139	ROBEH	1.0	0.0	0.0	0.0	506.9	0.0	506.9	0.0
140	MONITOR	2.0	897.1	1114.8	883.8	5624.1	1108.4	5336.0	820.4
141	RALSTON	1.0	2.8	2.8	2.8	8.9	2.2	8.9	2.2
149	STONE CBN	1.0	11.1	11.4	11.1	35.1	8.9	34.7	8.5
151	ANTELOPE	1.0	0.0	0.1	0.1	1160.0	0.1	1159.9	0.0
155	LITTLE SMO	1.0	1.4	2.4	1.4	2113.2	2.6	2113.9	1.3
156	HOT CRK	2.0	3172.1	3970.5	2934.1	7525.0	3819.8	6469.4	2744.2
170	PENOYER	2.0	9586.1	11484.9	8718.5	8507.2	10538.2	9997.0	8028.1
173	RAILROAD	1.0	23.8	47.5	22.2	1269.7	50.4	1238.4	19.1
179	STEPTOE	2.0	2680.5	1530.2	4788.1	13369.0	1774.3	14881.5	3286.9
183	LAKE	2.0	10845.9	12213.9	8545.0	22661.5	14030.0	20836.5	12205.0
184	SPRING	2.0	3513.6	3618.5	7937.9	18630.4	6865.1	18480.0	6714.6
196	HAMLIN	2.0	13347.8	14483.6	10344.1	23413.9	16975.1	21889.2	15450.3
202	PATTERSON	2.0	14647.3	17310.1	10747.2	21601.9	18893.2	18046.5	15357.7
137B	BIG SMOKY	2.0	303.9	391.9	273.3	3143.5	390.2	3027.0	273.8
190	LIT FISH L	1.0	0.2	0.3	0.2	453.5	0.3	453.3	0.1
53	PINE(N)	1.0	0.0	0.0	0.0	122.8	0.0	122.8	0.0
54	CRESCENT	1.0	0.0	0.0	0.0	16.4	0.0	16.4	0.0
176	RUBY	3.0	3106.5	2834.3	5252.0	12207.2	3287.0	12560.4	3640.2
186	ANTELOPE	1.0	0.6	0.1	98.0	805.5	0.1	806.1	0.8
187	GOSHUTE	1.0	0.0	0.0	8.2	192.1	0.0	192.1	0.0
3	DEEP CRK	2.0	2198.9	1456.9	6425.0	9918.7	1876.7	10892.7	2850.6
49	PAROWAN	2.0	13283.9	10901.3	6719.3	13820.1	13463.8	16934.6	16578.3
51	CEDAR CITY	1.0	8446.4	6700.2	130.8	8821.8	8833.8	11104.6	11116.6
185	TIPPETT	1.0	10.7	2.5	371.3	3369.1	3.3	3379.9	14.0
56	UPPER REES	2.0	123.9	155.8	116.7	2093.3	154.4	2051.1	112.3
55	CARICO L	1.0	0.0	0.0	0.0	13.3	0.0	13.3	0.0
138	GRASS	1.0	0.0	0.0	0.0	61.4	0.0	61.4	0.0
153	DIAMOND	1.0	0.0	0.0	0.0	1080.4	0.0	1080.4	0.0
47	HUNTINGTON	2.0	243.6	223.1	635.4	6078.4	277.8	6104.9	304.3
198	DRY	2.0	13760.9	18805.7	9815.4	20646.6	20795.5	16404.1	16753.0
201	SPRING	3.0	20694.3	21612.7	17210.9	26694.8	23195.2	25452.7	21933.1
48	BEAVER	3.0	17107.7	15141.8	15330.0	19827.3	17397.4	22389.3	19959.4

SAGEGROUSE HABITAT RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
SPRING	20694.3	SPRING	21612.7	SPRING	17210.9	SPRING	26694.8	SPRING	23195.2	SNAKE	25496.1	SPRING	21933.1
BEAVER	17107.7	DRY	18805.7	SNAKE	15629.7	SNAKE	23730.4	DRY	20795.5	SPRING	25452.7	BEAVER	19959.4
DRY	13760.9	PATTERSON	17310.1	BEAVER	15330.0	HAMLIN	23413.9	PATTERSON	18893.2	BEAVER	22389.3	DRY	16753.0
PATTERSON	14647.3	BEAVER	15141.8	SEV DES	14906.8	LAKE	22661.5	BEAVER	17397.4	HAMLIN	21889.2	PAROWAN	16578.3
SNAKE	13718.4	HAMLIN	14483.6	PATTERSON	10747.2	PATTERSON	21601.9	HAMLIN	16975.1	LAKE	20836.5	MILFORD	16537.4
HAMLIN	13347.8	SNAKE	12360.8	HAMLIN	10344.1	CAVE	20688.2	SNAKE	14223.9	SEV DES	20283.8	SNAKE	13989.7
PAROWAN	13283.9	LAKE	12213.9			DRY	20646.6	LAKE	14030.0	CAVE	19008.8	HAMLIN	13450.3
MILFORD	12555.0	GARDEN	11694.3			BEAVER	19827.3	PAROWAN	13463.8	SPRING	18480.0	PATTERSON	13357.7
SEV DES	11522.4	PENOYER	11484.9			SPRING	18630.4	CAVE	11583.6	PATTERSON	18046.5	SEV DES	14135.9
LAKE	10845.9	PAROWAN	10901.3			WHITE R	18628.6	GARDEN	11479.4	PAROWAN	16934.6	LAKE	12205.0
		CAVE	10419.3			SEV DES	16503.1	PENOYER	10538.2	WHITE R	16695.8	CEDAR CITY	11116.6
						PAROWAN	13820.1	SEV DES	10355.3	DRY	16404.1		
						STEPTOE	13369.0			MILFORD	16546.7		
						GARDEN	13208.6			STEPTOE	14881.5		
						RUBY	12207.2			RUBY	12560.4		
						JAKES	10904.7			CEDAR CITY	11104.6		
						PINE	10176.0			PINE	10909.9		
										JAKES	10898.9		
										DEEP CRK	10892.7		
										GARDEN	10274.5		

Ranking of alternatives by mean combined effect index, standard deviation and standard error for sage grouse habitat.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	2	Coyote Delta	3,983	5,185	764	1
2	1	Coyote Beryl	4,571	6,154	907	2
3	0	Coyote Milford	4,684	6,006	886	3
4	4	Beryl Coyote	5,157	6,846	1,009	4
5	6	Milford Coyote	5,298	6,811	1,005	5
6	3	Beryl Ely	8,549	8,278	1,220	6
7	5	Milford Ely	8,690	8,194	1,208	7

3955

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 0
BASE A COYOTE LONG TERM POP 15967.0
BASE B MILFORD LONG TERM POP 13071.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	108.0	138.0	123.0	111.9	3.5	27.2	13216.6	2703.6	7272.3
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	123.0	180.0	151.5	27.2	0.0	1.1	15994.2	10786.3	14476.7
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	88.0	140.0	114.0	5931.0	1769.0	3470.4	21794.1	12281.5	17459.5
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	102.0	128.0	115.0	187.1	16.3	39.2	14569.9	6250.9	10571.7
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	88.0	112.0	100.0	554.1	78.1	220.6	10515.2	4517.5	7207.2
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	68.0	142.0	105.0	8154.4	1670.0	4243.5	22893.8	10526.4	16360.5
219	1.0	MUDDY R	8.0	16.0	12.0	13555.3	14382.8	13055.6	136.0	150.0	143.0	6.9	1.3	3.1	13562.2	14384.2	13058.7
216	2.0	GARNET	16.0	36.0	26.0	13555.3	13989.1	14902.7	152.0	170.0	161.0	1237.2	684.8	928.1	16792.5	14673.9	15830.8
217	2.0	HIDDEN V N	16.0	28.0	22.0	13555.3	14739.4	15197.6	152.0	164.0	158.0	1237.2	840.2	1023.3	16792.5	15579.6	16220.9
218	2.0	CALIF WASH	14.0	40.0	27.0	13650.8	13561.8	14822.4	140.0	166.0	153.0	1769.0	785.5	1199.3	17419.8	14347.3	16021.6
215	3.0	BLACK MTNS	36.0	60.0	48.0	13055.6	13561.8	14382.8	142.0	180.0	161.0	5237.9	3007.2	4034.3	20293.5	16569.0	18417.1
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	128.0	164.0	146.0	6217.4	3859.8	4971.3	21066.9	16806.2	18960.4
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	160.0	200.0	180.0	0.4	0.0	0.0	13562.2	3673.5	8310.1
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	160.0	198.0	179.0	0.4	0.0	0.0	13562.2	3673.5	8310.1
1698	1.0	TIKABOO S	8.0	42.0	25.0	13555.3	7772.0	12371.8	138.0	158.0	148.0	5.5	0.5	1.7	13560.8	7772.5	12373.5
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	160.0	204.0	182.0	0.4	0.0	0.0	8856.7	2698.1	5295.5
220	1.0	LOWER MO	20.0	38.0	29.0	13561.8	8856.4	11327.8	122.0	152.0	137.0	30.1	1.0	6.2	13591.9	8857.4	11333.9

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: BERYL LONG TERM POP. 12834.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	74.0	100.0	87.0	1373.0	216.6	584.3	14477.7	2914.8	7829.4
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	71.0	114.0	92.5	1639.8	63.8	390.5	17606.8	10850.1	14866.1
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	50.0	104.0	77.0	9944.3	4256.4	7008.3	25807.3	14768.9	20997.4
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	64.0	92.0	78.0	2411.5	405.5	1071.3	16794.3	6640.1	11583.8
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	50.0	76.0	63.0	4626.0	1214.8	2539.8	14587.1	5654.2	9526.4
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	32.0	108.0	70.0	11560.7	3903.6	7784.2	26300.1	12759.9	19901.2
219	1.0	MUDDY R	8.0	16.0	12.0	13555.3	14382.8	13055.6	18.0	112.0	65.0	11244.2	76.7	2287.8	26799.5	14459.5	17343.4
216	2.0	GARNET	16.0	36.0	26.0	13555.3	13989.1	14902.7	116.0	134.0	125.0	3251.2	2054.1	2605.7	18806.5	16043.2	17508.5
217	2.0	HIDDEN V N	16.0	28.0	22.0	13555.3	14739.4	15197.6	114.0	128.0	121.0	3407.5	2411.5	2880.9	18962.3	17150.9	18078.5
218	2.0	CALIF WASH	14.0	40.0	27.0	13650.8	13561.8	14822.4	104.0	132.0	118.0	4256.4	2168.7	3099.6	19907.2	15730.5	17922.0
215	3.0	BLACK MTNS	36.0	60.0	48.0	13055.6	13561.8	14382.8	108.0	144.0	126.0	7561.9	5011.3	6247.0	22617.4	18573.1	20629.8
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	96.0	132.0	114.0	8449.8	5823.5	7118.6	23299.2	18769.9	21107.7
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	122.0	164.0	143.0	29.5	0.2	3.0	13591.3	3673.7	8313.1
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	122.0	160.0	141.0	29.5	0.4	3.8	13591.3	3673.8	8313.9
1698	1.0	TIKABOO S	8.0	42.0	25.0	13555.3	7772.0	12371.8	100.0	120.0	110.0	216.6	36.0	91.9	15771.9	7807.9	12463.8
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	124.0	166.0	145.0	24.1	0.2	2.4	8880.5	2698.3	5297.9
220	1.0	LOWER MO	20.0	38.0	29.0	13561.8	8856.4	11327.8	84.0	116.0	100.0	720.4	52.9	216.6	14282.3	8909.2	11544.4

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: DELTA LONG TERM POP 13679.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	151.0	189.0	170.0	1.2	0.0	0.1	13106.0	2698.2	7245.2
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	171.0	263.0	217.0	0.1	0.0	0.0	15967.1	10786.3	14475.6
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	156.0	214.0	185.0	1141.8	127.8	416.2	17004.9	10640.3	14405.4
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	172.0	200.0	186.0	0.1	0.0	0.0	14382.9	6234.6	10512.5
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	162.0	186.0	174.0	0.3	0.0	0.1	9961.4	4439.4	6986.7
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	140.0	220.0	180.0	1851.3	98.0	501.4	16590.7	8954.4	12618.4
219	1.0	MUDDY R	8.0	16.0	12.0	13555.3	14382.8	13055.6	208.0	224.0	216.0	0.0	0.0	0.0	13555.3	14382.8	13055.6
216	2.0	GARNET	16.0	36.0	26.0	13555.3	13989.1	14902.7	226.0	244.0	235.0	74.6	31.5	48.8	13629.9	14020.6	14951.6
217	2.0	HIDDEN V N	16.0	28.0	22.0	13555.3	14739.4	15197.6	226.0	238.0	232.0	74.6	49.3	56.3	13629.9	14781.6	15253.9
218	2.0	CALIF WASH	14.0	40.0	27.0	13650.8	13561.8	14822.4	214.0	242.0	228.0	127.8	34.7	68.0	13778.6	13596.6	14890.3
215	3.0	BLACK MTNS	36.0	60.0	48.0	13055.6	13561.8	14382.8	220.0	256.0	238.0	1323.3	700.3	1048.1	14378.8	14262.1	15430.9
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	206.0	242.0	224.0	1996.4	960.7	1403.4	16845.8	13907.1	15394.5
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	232.0	272.0	252.0	0.0	0.0	0.0	13561.8	3673.5	8310.0
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	230.0	268.0	249.0	0.0	0.0	0.0	13561.8	3673.5	8310.0
1698	1.0	TIKABOO S	8.0	42.0	25.0	13555.3	7772.0	12371.8	204.0	228.0	216.0	0.0	0.0	0.0	13555.3	7772.0	12371.8
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	224.0	272.0	248.0	0.0	0.0	0.0	8856.4	2698.1	5295.5
220	1.0	LOWER MO	20.0	38.0	29.0	13561.8	8856.4	11327.8	196.0	228.0	212.0	0.0	0.0	0.0	13561.8	8856.4	11327.8

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO 3
BASE A: BERYL LONG TERM POP 16943.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	97.0	138.0	117.5	308.2	6.0	51.2	2120.8	292.0	822.6
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	313.6	132.0	243.0	187.5	11.7	0.0	0.0	2176.4	84.2	313.6
205	2.0	MEADOW V	50.0	104.0	77.0	13128.1	5619.2	9252.1	110.0	178.0	144.0	4173.9	563.8	1729.1	17302.0	6183.0	10981.3
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.3	124.0	152.0	138.0	27.0	1.2	6.0	3210.6	536.5	1420.3
221	1.0	TULE DES	50.0	76.0	63.0	6107.1	1603.7	3353.0	134.0	158.0	146.0	9.4	0.5	2.4	6116.5	1604.2	3355.4
222	2.0	VIRGIN R	32.0	108.0	70.0	15262.0	9153.4	10276.4	120.0	192.0	156.0	3300.8	333.3	1197.5	18562.7	9486.9	11474.0
219	1.0	MUDDY R	18.0	112.0	65.0	14844.2	101.3	3020.3	166.0	178.0	172.0	0.2	0.0	0.1	14844.4	101.3	3020.4
216	2.0	GARNET	116.0	134.0	125.0	4292.2	2711.8	3440.0	182.0	202.0	192.0	488.5	223.1	333.5	4780.7	2934.9	3773.5
217	2.0	HIDDEN V N	114.0	128.0	121.0	4498.4	3183.6	3803.3	182.0	192.0	187.0	488.5	333.5	404.7	4986.9	3517.1	4208.0
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	3863.1	4092.0	176.0	204.0	190.0	608.2	205.4	360.5	6227.3	3068.4	4452.6
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.0	190.0	210.0	200.0	2790.9	1941.7	2338.4	12773.8	8557.4	10585.5
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7687.9	9397.7	186.0	218.0	202.0	2987.9	1662.4	2254.7	14143.0	9350.3	11652.4
212	1.0	LAS VEGAS	122.0	164.0	143.0	39.0	0.3	4.0	180.0	216.0	198.0	0.0	0.0	0.0	39.0	0.3	4.0
211	1.0	THREE LAK	122.0	160.0	141.0	39.0	0.5	5.1	174.0	206.0	190.0	0.1	0.0	0.0	39.0	0.5	5.1
1698	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	136.0	176.0	156.0	7.6	0.0	0.7	293.5	47.5	122.1
161	1.0	INDIAN SPR	124.0	166.0	145.0	31.9	0.2	3.2	194.0	206.0	180.0	0.9	0.0	0.0	32.8	0.2	3.2
220	1.0	LOWER MO	84.0	116.0	100.0	931.1	69.8	286.0	166.0	194.0	180.0	0.2	0.0	0.0	931.3	69.8	286.0

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	22.0	66.0	44.0	10008.9	2060.7	5533.5	11821.5	2346.7	6304.9
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	513.6	0.0	31.0	15.5	12195.0	8238.2	11055.9	14359.7	8322.4	11571.5
205	2.0	MEADOW V	50.0	104.0	77.0	13128.1	5619.2	9292.1	8.0	64.0	36.0	12115.6	8029.1	10684.4	25243.7	13648.2	19936.5
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.2	16.0	48.0	32.0	10985.1	4761.8	8029.1	14168.7	5297.1	9443.3
221	1.0	TULE DES	50.0	76.0	63.0	6107.1	1603.7	3353.0	34.0	56.0	45.0	7607.9	3390.7	5336.1	13715.0	4994.3	8689.1
222	2.0	VIRGIN R	32.0	108.0	70.0	13262.0	5153.4	10276.4	28.0	76.0	52.0	11257.4	6764.2	9254.5	26519.4	11917.5	19530.9
219	1.0	MUDDY R	18.0	112.0	65.0	14844.2	101.3	3020.3	8.0	16.0	12.0	11880.6	10985.1	11498.9	26724.8	11096.3	14519.2
216	2.0	GARNET	116.0	134.0	125.0	4292.2	2711.8	3440.0	16.0	36.0	26.0	11880.6	10684.4	11382.2	16172.7	13396.2	14822.1
217	2.0	HIDDEN V N	114.0	128.0	121.0	4498.4	3183.6	3803.3	16.0	28.0	22.0	11880.6	11257.4	11607.3	16379.0	14441.0	15410.7
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	2863.1	4092.0	14.0	40.0	27.0	11953.5	10358.0	11320.8	17572.7	13221.1	15412.8
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.0	36.0	60.0	48.0	11498.9	10358.0	10985.1	21481.8	16973.7	19232.1
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7687.9	9397.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	22496.5	17579.9	20082.1
212	1.0	LAS VEGAS	122.0	164.0	143.0	39.0	0.3	4.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10397.0	2805.9	6350.9
211	1.0	THREE LAK	122.0	160.0	141.0	39.0	0.5	5.1	20.0	60.0	40.0	10358.0	2805.7	6346.9	10397.0	2806.1	6352.0
1698	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	8.0	42.0	25.0	11880.6	5935.9	9449.1	12166.6	5983.4	9570.5
161	1.0	INDIAN SPR	124.0	166.0	145.0	31.9	0.2	3.2	38.0	66.0	52.0	6764.2	2060.7	4044.5	6796.0	2061.0	4047.7
220	1.0	LOWER MO	84.0	116.0	100.0	951.1	69.8	286.0	20.0	38.0	29.0	10358.0	6764.2	8651.7	11309.1	6833.9	8937.7

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	97.0	138.0	117.5	308.2	6.0	51.2	455.6	13.3	87.0
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	132.0	243.0	187.5	11.7	0.0	0.0	47.5	0.0	1.5
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4572.3	110.0	178.0	144.0	4173.9	565.8	1729.1	11988.0	2896.4	6301.4
206	1.0	KANE SPR	102.0	128.0	115.0	246.5	21.5	77.9	124.0	152.0	138.0	27.0	1.2	6.0	273.5	22.6	84.0
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	134.0	158.0	146.0	9.4	0.5	2.4	739.4	103.5	293.1
222	2.0	VIRGIN R	68.0	142.0	105.0	10743.4	2200.3	3590.8	120.0	192.0	156.0	3300.8	333.5	1197.5	14044.2	2533.8	4788.4
219	1.0	MUDDY R	136.0	150.0	143.0	9.1	1.8	4.1	166.0	178.0	172.0	0.2	0.0	0.1	9.3	1.8	4.2
216	2.0	GARNET	152.0	170.0	161.0	1630.0	902.3	1222.8	182.0	202.0	192.0	488.5	223.1	333.5	2118.5	1125.4	1556.3
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	182.0	192.0	187.0	488.5	333.5	404.7	2118.5	1440.5	1752.9
218	2.0	CALIF WASH	140.0	166.0	153.0	2330.6	1034.9	1580.0	176.0	204.0	190.0	608.2	203.4	360.5	2938.8	1240.2	1940.6
215	3.0	BLACK MTNS	142.0	180.0	161.0	6901.0	3962.0	5315.2	190.0	210.0	200.0	2790.9	1941.7	2338.4	9691.8	5903.6	7653.7
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	5085.3	6549.7	186.0	218.0	202.0	2987.9	1662.4	2254.7	11179.3	6747.7	8804.4
212	1.0	LAS VEGAS	160.0	200.0	180.0	0.5	0.0	0.0	180.0	216.0	198.0	0.0	0.0	0.0	0.5	0.0	0.0
211	1.0	THREE LAK	160.0	198.0	179.0	0.5	0.0	0.0	174.0	206.0	190.0	0.1	0.0	0.0	0.6	0.0	0.0
1698	1.0	TIKABOO S	138.0	158.0	148.0	7.2	0.6	2.3	136.0	176.0	156.0	7.6	0.0	0.7	14.8	0.7	3.0
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	154.0	206.0	180.0	0.9	0.0	0.0	1.4	0.0	0.0
220	1.0	LOWER MO	122.0	152.0	137.0	39.6	1.4	8.1	166.0	194.0	180.0	0.2	0.0	0.0	39.8	1.4	8.1

EFFECT INDEX OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

ALTERNATIVE NO. 6
BASE A. MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	22.0	66.0	44.0	10008.9	2060.7	5533.5	10156.3	2068.0	5569.3
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	0.0	31.0	15.5	12195.0	8238.2	11055.9	12230.8	8238.2	11057.4
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4572.3	8.0	64.0	36.0	12115.6	8029.1	10684.4	19929.7	10359.7	15256.6
206	1.0	KANE SPR	102.0	128.0	115.0	246.5	21.5	77.9	16.0	48.0	32.0	10985.1	4761.8	8029.1	11231.6	4783.2	8107.0
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	34.0	56.0	45.0	7607.9	3390.7	5336.1	8337.9	3493.6	5626.8
222	2.0	VIRGIN R	68.0	142.0	105.0	10743.4	2200.3	3590.8	28.0	76.0	52.0	11257.4	6764.2	9254.5	22000.8	8964.4	14845.3
219	1.0	MUDDY R	136.0	150.0	143.0	9.1	1.8	4.1	8.0	16.0	12.0	11880.6	10985.1	11498.9	11889.6	10986.8	11503.0
216	2.0	GARNET	152.0	170.0	161.0	1630.0	902.3	1222.8	16.0	36.0	26.0	11880.6	10684.4	11382.2	13510.6	11586.6	12604.9
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	16.0	28.0	22.0	11880.6	11257.4	11607.3	13510.6	12364.4	12955.6
218	2.0	CALIF WASH	140.0	166.0	153.0	2330.6	1034.9	1580.0	14.0	40.0	27.0	11953.5	10358.0	11320.8	14284.1	11392.9	12900.8
215	3.0	BLACK MTNS	142.0	180.0	161.0	6901.0	3962.0	5315.2	36.0	60.0	48.0	11498.9	10358.0	10985.1	18399.9	14320.0	16300.3
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	5085.3	6549.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	19532.9	14973.3	17234.1
212	1.0	LAS VEGAS	160.0	200.0	180.0	0.5	0.0	0.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10358.5	2805.7	6346.9
211	1.0	THREE LAK	160.0	198.0	179.0	0.5	0.0	0.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10358.5	2805.7	6346.9
1698	1.0	TIKABOO S	138.0	158.0	148.0	7.2	0.6	2.3	8.0	42.0	25.0	11880.6	5935.9	9449.1	11887.8	5936.6	9451.4
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	38.0	66.0	52.0	6764.2	2060.7	4044.5	6764.7	2060.7	4044.5
220	1.0	LOWER MO	122.0	152.0	137.0	39.6	1.4	8.1	20.0	38.0	29.0	10358.0	6764.2	8651.7	10397.6	6765.5	8659.9

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON DESERT TORTOISE HABITAT

LOCATION NO	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
209	PAHRANAGAT	1.0	7272.3	7829.4	7249.2	822.6	6304.9	87.0	3369.3
210	COYOTE	1.0	14476.7	14866.1	14475.6	315.6	11571.5	1.5	11097.4
205	MEADOW V	2.0	17459.5	20997.4	14405.4	10981.3	19936.5	6301.4	15256.6
206	KANE SPR	1.0	10571.7	11583.8	10512.5	1420.3	9443.3	84.0	8107.0
221	TULE DES	1.0	7207.2	9326.4	6986.7	3333.4	8689.1	293.1	3626.8
222	VIRGIN R	2.0	16360.5	19901.2	12618.4	11474.0	19530.9	6788.4	14845.3
219	MUDDY R	1.0	15058.7	17343.4	15055.6	3020.4	14519.2	4.2	11503.0
216	GARNET	2.0	13830.8	17508.5	14931.6	3773.5	14822.1	1936.3	12604.9
217	HIDDEN V N	2.0	16220.9	18078.5	15253.9	4208.0	13410.7	1752.9	12955.6
218	CALIF WASH	2.0	16021.6	17922.0	14890.3	4452.6	13412.8	1940.6	12900.8
215	BLACK MTNS	3.0	18417.1	20629.8	15430.9	10585.5	19232.1	7653.7	16300.3
223	GOLD BUTTE	3.0	18960.4	21107.7	15394.5	11652.4	20082.1	8804.4	17234.1
212	LAS VEGAS	1.0	6310.1	6313.1	6310.0	4.0	6350.9	0.0	6346.9
211	THREE LAK	1.0	6310.1	6313.9	6310.0	5.1	6352.0	0.0	6346.9
1698	TIKABOO S	1.0	12373.5	12463.8	12371.8	122.1	9570.5	3.0	9451.4
161	INDIAN SPR	1.0	5295.5	5297.9	5295.5	3.2	4047.7	0.0	4044.5
220	LOWER MO	1.0	11333.9	11344.4	11327.8	286.0	8937.7	8.1	8639.9

DESERT TORTOISE HABITAT RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
GOLD BUTTE	18960.4	GOLD BUTTE	21107.7	BLACK MTNS	15430.9	GOLD BUTTE	11652.4	GOLD BUTTE	20082.1			GOLD BUTTE	17234.1
BLACK MTNS	18417.1	MEADOW V	20997.4	GOLD BUTTE	15394.5	VIRGIN R	11474.0	MEADOW V	19936.5			BLACK MTNS	16300.3
MEADOW V	17459.5	BLACK MTNS	20629.8	HIDDEN V N	15253.9	MEADOW V	10981.3	VIRGIN R	19530.9			MEADOW V	15256.6
VIRGIN R	16360.5	VIRGIN R	19901.2	MUDDY R	15055.6	BLACK MTNS	10585.5	BLACK MTNS	19232.1			VIRGIN R	14845.3
HIDDEN V N	16220.9	HIDDEN V N	18078.5	GARNET	14931.6			CALIF WASH	19412.8			HIDDEN V N	12955.6
CALIF WASH	16021.6	CALIF WASH	17922.0	CALIF WASH	14890.3			HIDDEN V N	19410.7			CALIF WASH	12900.8
GARNET	13830.8	GARNET	17508.5	COYOTE	14475.6			GARNET	14822.1			GARNET	12604.9
MUDDY R	15058.7	MUDDY R	17343.4	MEADOW V	14405.4			MUDDY R	14519.2			MUDDY R	11503.0
COYOTE	14476.7	COYOTE	14866.1	VIRGIN R	12618.4			COYOTE	11571.5			COYOTE	11097.4
TIKABOO S	12373.5	TIKABOO S	12463.8	TIKABOO S	12371.8								
LOWER MO	11333.9	KANE SPR	11583.8	LOWER MO	11327.8								
KANE SPR	10571.7	LOWER MO	11544.4	KANE SPR	10512.5								

Ranking of alternatives by mean combined effect index, standard deviation and standard error for desert tortoise habitat.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	5	Milford Ely	2,075	3,143	762	1
2	3	Beryl Ely	3.922	4,428	1,074	2
3	6	Milford Coyote	10,518	4,127	1,001	3
4	2	Coyote Delta	11,932	3,493	847	4
5	4	Beryl Coyote	12,366	5,392	1,308	6
6	0	Coyote Milford	12,911	4,392	1,065	5
7	1	Coyote Beryl	14,308	5,277	1,280	7

3954

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 0
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: MILFORD LONG TERM POP. 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	43.0	112.0	77.5	12019.6	7400.2	9954.3	19264.7	9007.6	13718.4
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	25.0	51.0	38.0	10127.9	4521.1	7250.0	10264.6	4522.4	7266.2
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	40.0	103.0	71.5	11102.1	4427.5	7758.1	12352.1	4576.7	8225.9
7	1.0	FISH SPR	198.0	245.0	221.5	0.0	0.0	0.0	82.0	129.0	105.5	840.2	14.7	139.1	840.2	14.7	139.1
8	1.0	DUGWAY	220.0	252.0	236.0	0.0	0.0	0.0	98.0	132.0	115.0	259.3	10.7	59.2	259.3	10.7	59.2
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	103.0	142.0	122.0	4427.5	1622.2	2791.6	4496.5	1635.9	2823.2
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	35.0	129.0	82.0	12364.6	6145.4	9635.5	16604.0	6838.6	11522.4
46A	1.0	SEV LAKE	154.0	195.0	174.5	1.0	0.0	0.1	23.0	77.0	50.0	10532.6	1162.3	4711.4	10533.6	1162.3	4711.5
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	4.7	0.0	20.0	10.0	13071.0	11102.1	12548.2	13130.8	11102.6	12555.0
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	23.0	80.0	51.5	12761.1	9778.1	11589.7	24963.6	18178.7	21918.8
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	9.0	49.0	29.0	12649.9	4905.7	9273.2	12679.1	4906.0	9277.0
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	178.0	213.0	196.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	632.9	186.0	209.0	197.5	383.0	151.5	244.2	1941.7	389.8	897.1
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	194.0	222.0	208.0	0.0	0.0	0.0	33.2	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	177.0	206.0	191.5	0.0	0.0	0.0	95.5	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	172.0	194.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	148.0	175.0	161.5	1.7	0.0	0.3	56.0	0.1	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	5183.7	1061.2	2555.6	160.0	186.0	173.0	959.0	383.0	616.6	6142.7	1444.2	3172.1
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	134.0	168.0	151.0	2092.1	733.7	1276.0	12467.1	7091.0	9586.1
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	118.0	178.0	148.0	44.5	0.0	1.7	1004.0	0.1	23.8
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	92.0	171.0	131.5	5510.9	661.4	2238.7	8209.0	700.0	2680.5
183	2.0	LAKE	100.0	138.0	119.0	3755.3	2287.0	3764.2	43.0	92.0	77.5	8718.1	5510.9	7081.7	14473.3	7797.9	10845.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	62.0	142.0	102.0	8830.0	1670.0	4521.1	13269.4	1795.1	5513.6
196	2.0	HARLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	37.0	75.0	56.0	11366.9	7362.6	9491.5	18225.6	9231.1	13347.8
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	62.0	85.0	73.5	8830.0	6253.6	7531.9	17823.8	11662.1	14647.3
1378	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	63.8	228.5	212.0	238.0	225.0	133.2	40.4	74.6	810.1	106.1	303.2
150	1.0	LIT FISH L	154.0	182.0	168.0	1.0	0.0	0.2	180.0	196.0	188.0	0.0	0.0	0.0	1.0	0.0	0.2
93	1.0	PINE(N)	224.0	278.0	251.0	0.0	0.0	0.0	200.0	236.0	218.0	0.0	0.0	0.0	0.0	0.0	0.0
94	1.0	CRESCENT	250.0	280.0	265.0	0.0	0.0	0.0	228.0	236.0	232.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	216.0	196.0	3207.8	1579.4	2289.1	4848.3	1946.5	3106.5
186	1.0	ANTELOPE	234.0	262.0	248.0	0.0	0.0	0.0	142.0	172.0	157.0	3.5	0.1	0.6	3.5	0.1	0.6
187	1.0	GOSHUTE	242.0	288.0	265.0	0.0	0.0	0.0	162.0	204.0	183.0	0.3	0.0	0.0	0.3	0.0	0.0
3	2.0	DEEP CRK	210.0	244.0	227.0	177.4	36.7	83.1	118.0	150.0	134.0	3196.9	1315.8	2092.1	3334.2	1352.6	2175.2
49	2.0	PAROWAN	130.0	168.0	149.0	2846.3	896.3	1687.2	24.0	44.0	34.0	12324.9	10727.9	11616.6	15171.2	11624.2	13273.8
51	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	16.0	50.0	33.0	11774.1	4711.4	8380.5	11936.9	4713.1	8400.4
52	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	12.0	48.0	30.0	12324.9	5103.8	9052.6	12518.1	5109.2	9089.3
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	120.0	144.0	132.0	36.6	2.8	10.7	36.6	2.8	10.7

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: BERYL LONG TERM POP 12834.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	51.0	137.0	94.0	11406.0	5478.9	8596.6	18651.1	7086.2	12360.8
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	18.0	62.0	40.0	11244.2	2672.8	6679.5	11380.9	2674.1	6695.6
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	68.0	126.0	97.0	8006.6	2539.8	4913.5	9256.6	2689.0	5381.4
7	1.0	FISH SPR	198.0	245.0	221.5	0.0	0.0	0.0	108.0	154.0	131.0	109.8	0.8	11.7	109.8	0.8	11.7
8	1.0	DUGWAY	220.0	252.0	236.0	0.0	0.0	0.0	126.0	162.0	144.0	19.7	0.3	2.7	19.7	0.3	2.7
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	135.0	174.0	154.5	1998.5	584.3	1123.4	2067.5	598.1	1155.0
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	72.0	166.0	119.0	10145.2	3678.1	6752.2	14384.5	4371.3	8639.2
46A	1.0	SEV LAKE	154.0	195.0	174.5	1.0	0.0	0.1	54.0	105.0	79.5	3903.6	142.6	972.8	3904.6	142.6	972.8
50	1.0	MILFORD	117.0	159.0	138.0	59.8	0.5	4.7	28.0	71.0	49.5	9319.4	1639.8	4720.9	9379.2	1640.3	4727.6
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	0.0	20.0	10.0	12834.0	12603.3	12775.9	25036.4	21003.9	23105.1
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	26.0	71.0	48.5	9739.4	1639.8	4913.5	9772.6	1640.1	4917.3
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	169.0	212.0	190.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1558.8	238.2	632.9	166.0	195.0	180.5	771.3	265.0	461.9	2330.0	503.2	1114.8
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	171.0	194.0	182.5	0.1	0.0	0.0	33.3	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	149.0	174.0	161.5	1.5	0.1	0.3	96.9	0.9	11.4
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	158.0	182.0	170.0	0.5	0.0	0.1	0.6	0.0	0.1
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	135.0	165.0	150.0	7.5	0.2	1.3	61.9	0.2	2.4
156	2.0	HOT CRK	105.0	163.0	134.0	5183.7	1061.2	2555.6	137.0	157.0	147.0	1890.6	1037.6	1415.0	7074.3	2098.8	3970.5
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	102.0	132.0	117.0	4429.2	2168.7	3174.9	14814.2	8526.0	11484.9
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	98.0	149.0	123.5	254.6	1.5	25.4	1214.2	1.6	47.5
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	129.0	182.0	155.5	2349.1	437.0	1088.4	5047.3	475.6	1530.2
183	2.0	LAKE	100.0	138.0	119.0	3755.3	2287.0	3764.2	43.0	83.0	64.0	10438.1	6334.3	8449.8	16193.4	8641.4	12213.9
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	49.0	131.0	100.0	10043.2	1252.9	4426.0	14484.7	1378.0	5418.5
196	2.0	HARLIN	91.0	145.0	118.0	6858.7	1868.5	3856.3	11.0	75.0	43.0	12676.5	7229.1	10627.3	19535.3	9097.6	14483.6
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	35.0	60.0	47.5	11326.0	8888.4	10194.7	20319.8	14296.9	17310.1
1378	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	63.8	228.5	192.0	222.0	207.0	298.3	84.0	162.0	975.2	149.8	390.5
150	1.0	LIT FISH L	154.0	182.0	168.0	1.0	0.0	0.2	160.0	176.0	168.0	0.4	0.0	0.1	1.4	0.1	0.3
93	1.0	PINE(N)	224.0	278.0	251.0	0.0	0.0	0.0	196.0	238.0	217.0	0.0	0.0	0.0	0.0	0.0	0.0
94	1.0	CRESCENT	250.0	280.0	265.0	0.0	0.0	0.0	224.0	248.0	236.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	176.0	228.0	202.0	3149.6	1214.8	2016.9	4790.1	1585.9	2834.3
186	1.0	ANTELOPE	234.0	262.0	248.0	0.0	0.0	0.0	152.0	188.0	170.0	1.0	0.0	0.1	1.0	0.0	0.1
187	1.0	GOSHUTE	242.0	288.0	265.0	0.0	0.0	0.0	174.0	208.0	191.0	0.1	0.0	0.0	0.1	0.0	0.0
3	2.0	DEEP CRK	210.0	244.0	227.0	177.4	36.7	83.1	132.0	164.0	148.0	2168.7	885.0	1373.0	2346.1	861.7	1456.1
49	2.0	PAROWAN	130.0	168.0	149.0	2846.3	896.3	1687.2	42.0	72.0	57.0	10719.9	7561.9	9212.6	13566.2	8438.2	10869.7
51	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	28.0	52.0	40.0	9319.4	4256.4	6679.5	9482.1	4258.0	6699.4
52	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	8.0	40.0	24.0	12503.1	6679.5	10145.2	12696.3	6684.8	10181.9
185	1.0	TIPPETT	204.0	232.0	218.0	0.0	0.0	0.0	132.0	158.0	145.0	10.5	0.5	2.4	10.5	0.5	2.4

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 2
BASE A COYOTE LONG TERM POP 15767.0
BASE B DELTA LONG TERM POP 13679.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	35.0	77.0	56.0	12939.8	10453.9	11869.6	20184.8	12061.3	15629.7
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	48.0	91.0	69.5	5341.2	465.7	1904.7	5477.9	467.0	1920.8
6	2.0	WHITE	158.0	214.0	186.0	1250.0	149.2	467.8	22.0	48.0	35.0	13019.8	10813.1	12071.7	14269.9	10962.3	12539.5
7	1.0	FISH SPR	198.0	245.0	221.5	0.0	0.0	0.0	22.0	63.0	42.5	11226.9	2707.1	6944.4	11226.9	2707.1	6944.4
8	1.0	DUGWAY	220.0	292.0	256.0	0.0	0.0	0.0	32.0	66.0	49.0	9006.1	2311.5	5133.9	9006.1	2311.5	5133.9
9	2.0	GOVT CRK	231.0	263.0	247.0	68.9	13.7	31.6	35.0	77.0	56.0	12071.7	7467.8	9933.0	12140.6	7483.5	9964.6
46	3.0	SEV DES	171.0	263.0	217.0	4239.3	693.2	1887.0	0.0	66.0	33.0	12679.0	11226.9	13019.8	17918.3	11920.1	14906.8
46A	1.0	SEV LAKE	154.0	195.0	174.5	1.0	0.0	0.1	2.0	48.0	25.0	13656.7	5341.2	10399.0	13657.7	5341.2	10399.1
50	1.0	MILFORD	117.0	139.0	128.0	59.8	0.5	6.7	35.0	129.0	82.0	8296.7	15.4	879.3	8356.5	15.9	886.0
53	3.0	BERYL-ENT	77.0	119.0	98.0	12202.4	8400.6	10329.1	72.0	166.0	119.0	10813.1	3920.3	7196.8	23015.5	12320.8	17526.0
54	1.0	WAH WAH	123.0	163.0	143.0	33.2	0.3	3.8	35.0	74.0	54.5	8296.7	1463.4	4069.5	8330.0	1463.7	4073.3
139	1.0	KOBEH	189.0	226.0	207.5	0.0	0.0	0.0	168.0	205.0	186.5	0.1	0.0	0.0	0.1	0.0	0.0
140	2.0	MONITOR	151.0	203.0	177.0	1358.8	238.2	652.9	183.0	217.0	200.0	448.7	112.0	230.9	2007.5	350.3	883.8
141	1.0	RALSTON	123.0	168.0	145.5	33.2	0.2	2.8	208.0	246.0	227.0	0.0	0.0	0.0	33.2	0.2	2.8
149	1.0	STONE CBN	112.0	155.0	133.5	95.4	0.9	11.1	194.0	232.0	213.0	0.0	0.0	0.0	95.4	0.9	11.1
151	1.0	ANTELOPE	169.0	197.0	183.0	0.1	0.0	0.0	163.0	186.0	174.5	0.3	0.0	0.1	0.4	0.0	0.1
155	1.0	LITTLE SMO	118.0	188.0	153.0	54.3	0.0	1.1	148.0	180.0	164.0	1.8	0.0	0.2	56.1	0.0	1.4
156	2.0	HOT CRK	105.0	163.0	134.0	5183.7	1061.2	2555.6	169.0	206.0	187.5	741.9	180.1	378.5	5925.6	1241.3	2934.1
170	2.0	PENOYER	65.0	95.0	80.0	10375.0	6357.3	8310.0	166.0	205.0	185.5	822.0	187.8	408.4	11197.1	6545.1	8718.5
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	126.0	209.0	167.5	21.0	0.0	0.1	980.5	0.1	22.2
179	2.0	STEPTOE	132.0	243.0	187.5	2698.1	38.6	441.8	86.0	126.0	106.0	6431.2	2707.1	4346.3	9129.4	2745.6	4788.1
183	2.0	LAKE	100.0	138.0	119.0	5755.3	2287.0	3764.2	92.0	111.0	101.5	5767.2	3890.8	4780.8	11522.5	6177.8	8545.0
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	65.0	98.0	81.5	8888.3	5133.9	6945.4	13327.8	5259.0	7937.9
196	2.0	HAMLIN	91.0	145.0	118.0	6858.7	1868.5	3836.3	66.0	105.0	85.5	8770.3	4440.9	6487.8	15629.1	6309.4	10344.1
202	2.0	PATTERSON	75.0	103.0	89.0	8993.9	5408.5	7115.4	102.0	126.0	114.0	4731.4	2707.1	3631.8	13725.3	8115.6	10747.2
1378	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	218.0	256.0	237.0	107.1	17.1	44.3	784.0	82.8	272.9
150	1.0	LIT FISH L	154.0	182.0	168.0	1.0	0.0	0.2	194.0	216.0	205.0	0.0	0.0	0.0	1.0	0.0	0.2
53	1.0	PINE(N)	224.0	278.0	251.0	3.0	0.0	0.0	186.0	216.0	201.0	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	250.0	280.0	265.0	0.0	0.0	0.0	206.0	236.0	221.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	224.0	288.0	256.0	1640.4	371.2	817.4	146.0	170.0	158.0	5202.6	3688.4	4409.3	6843.0	4059.6	5226.7
186	1.0	ANTELOPE	234.0	262.0	248.0	0.0	0.0	0.0	96.0	124.0	110.0	318.0	25.7	98.0	318.0	25.7	98.0
187	1.0	GOSHUTE	242.0	288.0	265.0	0.0	0.0	0.0	118.0	152.0	135.0	46.5	1.1	8.0	46.5	1.1	8.0
3	2.0	DEEP CRK	210.0	244.0	227.0	177.4	36.7	83.1	74.0	100.0	87.0	7823.1	4930.6	6318.7	8000.5	4967.3	6401.8
49	2.0	PARCHAN	130.0	168.0	149.0	2946.3	896.3	1657.2	82.0	116.0	99.0	6887.7	3465.3	5031.7	9734.1	4361.6	6688.9
91	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	86.0	128.0	107.0	668.4	17.1	127.8	831.1	18.7	147.7
92	1.0	LUND DIST	104.0	140.0	122.0	193.2	5.4	36.7	94.0	128.0	106.0	767.9	17.1	139.4	961.0	22.4	176.1
185	1.0	TIPPETT	204.0	232.0	218.0	3.0	0.0	0.0	84.0	104.0	94.0	767.9	165.5	371.3	767.9	165.5	371.3

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP 16743.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION			MILES TO A			EFFECT INDEX OF BASE A			MILES TO B			EFFECT INDEX OF BASE B			COMBINED EFFECTS		
NO	APPL	NAME	N	F	AVE	MAX	MIN	AVE	N	F	AVE	MAX	MIN	AVE	MAX	MIN	AVE
4	3.0	SNAKE	51.0	137.0	94.0	15057.8	7233.0	11349.0	25.0	89.0	57.0	13946.0	10017.3	12381.4	29003.8	17250.3	23750.4
5	1.0	PINE	18.0	62.0	40.0	14844.2	3328.5	8818.0	58.0	94.0	76.0	3634.5	389.5	1359.0	18478.7	3918.0	10176.0
6	2.0	WHITE	68.0	126.0	97.0	10370.0	3353.0	6486.7	60.0	85.0	72.5	9936.3	6864.0	8391.2	20306.3	10217.0	14877.9
7	1.0	FISH SPR	108.0	154.0	131.0	145.0	1.1	15.4	85.0	108.0	96.5	751.7	122.8	320.7	896.7	123.8	336.0
8	1.0	DUGWAY	126.0	162.0	144.0	26.0	0.4	3.6	100.0	122.0	111.0	242.2	33.0	93.9	268.2	33.4	97.5
9	2.0	GOVT CRK	135.0	174.0	154.5	2638.4	771.4	1483.1	114.0	142.0	128.0	3809.2	1833.1	2695.8	6447.6	2604.5	4178.9
46	3.0	SEV DES	72.0	166.0	119.0	13393.3	4855.7	8914.1	82.0	155.0	118.5	10576.1	4825.8	7589.0	23969.4	9681.5	16503.1
46A	1.0	SEV LAKE	54.0	105.0	79.5	5153.4	188.2	1284.2	75.0	103.0	89.0	1444.3	188.9	365.8	6397.7	377.1	1650.0
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	91.0	169.0	130.0	488.5	0.1	14.5	12791.6	2164.9	6246.8
53	3.0	BERYL-ENT	0.0	20.0	10.0	16943.0	16638.4	16866.3	83.0	180.0	131.5	10497.3	3300.9	6349.0	27440.3	19939.2	23415.3
54	1.0	WAH WAH	26.0	71.0	48.5	12857.6	2164.7	6486.7	69.0	100.0	84.5	2053.0	242.2	778.1	14912.6	2406.9	7264.8
139	1.0	KOBEH	169.0	212.0	190.5	0.1	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	506.9	1729.3	112.4	506.9
140	2.0	MONITOR	166.0	195.0	180.5	1018.2	349.9	609.8	85.0	118.0	101.5	6844.0	3465.0	5014.3	7882.2	3814.9	5624.1
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	112.0	157.0	134.5	85.7	0.6	8.9	85.8	0.6	8.9
149	1.0	STONE CBN	149.0	174.0	161.5	2.0	0.1	0.4	98.0	145.0	121.5	284.7	2.7	34.7	286.6	2.8	35.1
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	68.0	89.0	78.5	2173.2	563.8	1159.9	2173.8	563.8	1160.0
155	1.0	LITTLE SMO	135.0	165.0	150.0	10.0	0.3	1.7	49.0	88.0	68.5	5384.6	608.2	2113.5	5394.6	608.4	2115.2
156	2.0	HOT CRK	137.0	157.0	147.0	2495.9	1369.8	1868.0	71.0	120.0	95.5	8577.6	3300.8	5657.1	11073.5	4670.5	7525.0
170	2.0	PENOYER	102.0	132.0	117.0	9840.4	2863.1	4191.3	88.0	129.0	108.5	6310.0	2626.0	4315.8	12370.4	5489.1	8507.2
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	29.0	126.0	77.5	10178.5	22.0	1236.2	10514.6	24.0	1269.7
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	576.9	1436.9	0.0	85.0	42.5	14347.0	6864.0	11932.1	17448.2	7440.9	13369.0
183	2.0	LAKE	45.0	83.0	64.0	13780.1	8388.8	11155.1	25.0	68.0	46.5	13460.6	8950.5	11506.6	27240.6	17339.2	22661.5
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1634.0	6107.1	9.0	64.0	36.5	14228.9	9445.9	12523.4	27490.3	11100.0	18630.4
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9943.6	14029.8	34.0	95.0	64.5	12750.6	5712.3	9384.2	29483.7	15255.9	23413.9
202	2.0	PATTERSON	35.0	60.0	47.5	14952.1	11724.2	13458.7	98.0	91.0	74.5	10178.5	6162.9	8143.2	23130.6	17897.1	21601.9
1378	2.0	BIG SMOKY	192.0	222.0	207.0	393.9	110.9	213.8	108.0	142.0	125.0	4363.8	1833.1	2912.9	4757.6	1944.0	3126.8
150	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	80.0	104.0	92.0	1092.6	173.6	433.3	1093.1	173.6	433.5
53	1.0	PINE(N)	196.0	238.0	217.0	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESCENT	224.0	248.0	236.0	0.0	0.0	0.0	116.0	142.0	129.0	39.1	3.8	16.1	39.1	3.8	16.1
176	3.0	RUBY	176.0	228.0	202.0	4138.1	1603.7	2662.7	66.0	124.0	95.0	11779.1	7143.6	9528.1	13933.2	8747.3	12190.8
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.1	68.0	100.0	84.0	2173.2	242.2	805.4	2174.5	242.2	805.5
187	1.0	GOSHUTE	174.0	208.0	191.0	0.1	0.0	0.0	78.0	128.0	103.0	1197.5	17.9	188.9	1197.6	17.9	188.9
3	2.0	DEEP CRK	132.0	164.0	148.0	2862.1	1089.1	1812.6	60.0	90.0	75.0	9936.3	6277.7	8081.4	12799.4	7366.3	9894.0
49	2.0	PARCHAN	42.0	72.0	57.0	14152.0	9982.9	12162.1	136.0	136.0	146.0	2173.2	1197.5	1629.8	16325.2	11180.5	13791.9
91	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	3619.2	8818.0	128.0	136.0	142.0	17.9	0.7	3.8	12321.0	3619.9	8821.8
92	1.0	LUND DIST	3.0	40.0	24.0	16306.1	8818.0	13393.3	94.0	140.0	117.0	389.5	4.8	53.7	16895.6	8822.8	13447.0
185	1.0	TIPPETT	132.0	158.0	145.0	13.8	0.6	3.2	46.0	74.0	60.0	6048.8	1534.9	3300.9	6062.7	1535.5	3303.9

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	51.0	137.0	94.0	15097.8	7233.0	11349.0	132.0	225.0	178.5	9533.5	1227.7	2874.9	20591.3	8460.7	14223.9
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	108.0	152.0	130.0	104.4	1.0	12.3	14948.6	3529.5	8830.3
6	2.0	WHITE	68.0	126.0	97.0	10570.0	3353.0	6486.7	158.0	214.0	186.0	954.7	113.9	337.3	11524.7	3466.9	6844.0
7	1.0	FISH SPR	108.0	154.0	131.0	145.0	1.1	13.4	198.0	245.0	221.5	0.0	0.0	0.0	145.0	1.1	13.4
8	1.0	DUGWAY	126.0	162.0	144.0	26.0	0.4	3.6	220.0	252.0	236.0	0.0	0.0	0.0	26.0	0.4	3.6
9	2.0	GOVT CRK	135.0	174.0	154.5	2638.4	771.4	1483.1	231.0	263.0	247.0	52.7	10.5	24.1	2691.0	781.9	1507.2
46	3.0	SEV DES	72.0	166.0	119.0	13393.3	4855.7	8914.1	171.0	263.0	217.0	3237.8	329.5	1441.2	16631.1	5185.1	10355.3
46A	1.0	SEV LAKE	54.0	105.0	79.5	5153.4	188.2	1284.2	194.0	195.0	174.5	0.8	0.0	0.0	5154.1	188.2	1284.3
50	1.0	MILFORD	28.0	71.0	49.5	12303.1	2164.7	6232.3	117.0	159.0	138.0	45.7	0.4	5.1	12348.8	2165.2	6237.5
53	3.0	BERYL-ENT	0.0	20.0	10.0	16943.0	16638.4	16866.3	77.0	119.0	98.0	9319.8	6416.1	7889.0	26262.8	23054.5	24755.3
54	1.0	WAH WAH	26.0	71.0	48.5	12857.6	2164.7	6486.7	123.0	163.0	143.0	25.4	0.2	2.9	12883.0	2165.0	6489.6
139	1.0	KOBEH	169.0	212.0	190.5	0.1	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.2	0.0	0.0
140	2.0	MONITOR	166.0	195.0	180.5	1018.2	349.9	609.8	191.0	203.0	177.0	1190.5	182.0	498.7	2208.7	531.8	1108.4
141	1.0	RALSTON	171.0	194.0	182.5	0.1	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.5	0.1	2.2
149	1.0	STONE CSN	149.0	174.0	161.5	2.0	0.1	0.4	112.0	155.0	133.5	72.9	0.7	8.5	74.8	0.7	8.9
151	1.0	ANTELOPE	158.0	182.0	170.0	0.6	0.0	0.1	169.0	197.0	183.0	0.1	0.0	0.0	0.7	0.0	0.1
155	1.0	LITTLE SMO	135.0	165.0	150.0	10.0	0.3	1.7	118.0	188.0	153.0	41.5	0.0	0.9	51.5	0.3	2.6
156	2.0	HOT CRK	137.0	157.0	147.0	2495.9	1369.8	1868.0	105.0	163.0	134.0	3959.1	810.5	1951.9	6455.0	2180.3	3819.8
170	2.0	PENOYER	102.0	132.0	117.0	5860.4	2863.1	4191.3	65.0	95.0	80.0	7924.1	4855.5	6346.9	13784.5	7718.6	10538.2
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	83.0	171.0	127.0	732.9	0.1	16.9	1069.0	2.0	50.4
179	2.0	STEPTOE	129.0	182.0	155.5	3101.2	576.9	1436.9	132.0	243.0	187.5	2060.7	29.5	337.4	5162.0	606.3	1774.3
183	2.0	LAKE	45.0	83.0	64.0	13780.1	8388.8	11155.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	18175.7	10135.5	14030.0
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1634.0	6107.1	112.0	218.0	165.0	3390.7	95.5	738.0	16652.0	1749.6	6845.1
196	2.0	HAMLIN	11.0	75.0	43.0	16735.1	9543.6	14029.8	91.0	145.0	118.0	5238.5	1427.1	2945.3	21973.5	10970.7	16975.1
202	2.0	PATTERSON	35.0	60.0	47.5	14952.1	11734.2	13458.7	75.0	103.0	89.0	6869.2	4130.8	5434.5	21821.3	15865.0	18893.2
1378	2.0	BIG SMOKY	192.0	222.0	207.0	393.9	110.9	213.8	176.0	232.0	204.0	517.0	50.2	174.6	910.8	161.1	388.4
150	1.0	LIT FISH L	160.0	176.0	168.0	0.5	0.1	0.2	154.0	182.0	168.0	0.8	0.0	0.1	1.3	0.1	0.3
53	1.0	PINE(N)	196.0	238.0	217.0	0.0	0.0	0.0	224.0	278.0	251.0	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	224.0	248.0	236.0	0.0	0.0	0.0	250.0	280.0	265.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	176.0	228.0	202.0	4138.1	1403.7	2662.7	224.0	288.0	256.0	1292.9	283.5	624.3	5411.0	1887.2	3287.0
186	1.0	ANTELOPE	152.0	188.0	170.0	1.4	0.0	0.1	234.0	262.0	248.0	0.0	0.0	0.0	1.4	0.0	0.1
187	1.0	GOSHUTE	174.0	208.0	191.0	0.1	0.0	0.0	242.0	288.0	265.0	0.0	0.0	0.0	0.1	0.0	0.0
3	2.0	DEEP CRK	132.0	164.0	148.0	2863.1	1089.1	1812.6	210.0	244.0	227.0	135.5	28.0	63.5	2998.5	1117.2	1876.1
49	2.0	PAROWAN	42.0	72.0	57.0	14152.0	9982.9	12162.1	130.0	168.0	149.0	2173.9	684.6	1265.7	16325.9	10667.5	13427.8
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	5619.2	8818.0	106.0	150.0	128.0	124.3	1.3	15.2	12427.4	5620.4	8833.2
52	1.0	LUND DIST	8.0	40.0	24.0	16506.1	8818.0	13393.3	104.0	140.0	122.0	147.5	4.1	28.0	16653.7	8822.1	13421.3
185	1.0	TIPPETT	132.0	158.0	145.0	13.8	0.6	3.2	204.0	232.0	218.0	0.0	0.0	0.0	13.8	0.6	3.2

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	25.0	89.0	57.0	13946.0	10017.3	12381.4	29781.9	19767.0	25496.1
5	1.0	PINE	25.0	51.0	38.0	13343.5	5956.6	9551.9	58.0	94.0	76.0	3634.5	389.5	1358.0	16978.0	6346.0	10909.9
6	2.0	WHITE	40.0	103.0	71.5	14626.9	5833.3	10221.3	60.0	85.0	72.5	9936.3	6864.0	8391.2	24563.2	12697.3	18612.5
7	1.0	FISH SPR	82.0	129.0	105.5	1107.0	19.3	183.3	85.0	108.0	96.5	751.7	122.8	320.7	1858.7	142.1	503.9
8	1.0	DUGWAY	98.0	132.0	115.0	341.7	14.0	77.9	100.0	122.0	111.0	242.2	33.0	93.9	583.9	47.0	171.8
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2137.2	3677.9	114.0	142.0	128.0	3809.2	1833.1	2695.8	9642.5	3970.3	6373.8
46	3.0	SEV DES	35.0	129.0	82.0	16290.4	8096.5	12694.7	82.0	155.0	118.5	10576.1	4825.8	7589.0	26866.5	12922.3	20283.8
46A	1.0	SEV LAKE	23.0	77.0	50.0	13876.7	1531.3	6207.3	75.0	103.0	89.0	1444.3	188.9	365.8	15321.0	1720.2	6573.1
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16532.3	91.0	169.0	130.0	488.5	0.1	14.5	17709.5	14627.1	16546.7
53	3.0	BERYL-ENT	23.0	80.0	51.5	16812.8	12882.6	15269.3	83.0	180.0	131.5	10497.3	3300.8	6349.0	27310.0	16183.4	21618.3
54	1.0	WAH WAH	9.0	49.0	29.0	16661.0	6463.2	12217.4	49.0	100.0	84.5	2055.0	242.2	778.1	18716.0	6705.4	12995.6
139	1.0	KOBEH	178.0	215.0	196.5	0.0	0.0	0.0	72.0	109.0	90.5	1729.1	112.4	906.9	1729.2	112.4	906.9
140	2.0	MONITOR	186.0	209.0	197.5	504.6	199.7	321.7	85.0	118.0	101.5	6864.0	3465.0	5014.3	7368.6	3664.7	5336.0
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	112.0	137.0	134.5	85.7	0.6	8.9	85.7	0.6	8.9
149	1.0	STONE CSN	177.0	206.0	191.5	0.0	0.0	0.0	98.0	145.0	121.5	284.7	2.7	34.7	284.7	2.7	34.7
151	1.0	ANTELOPE	172.0	194.0	183.0	0.1	0.0	0.0	68.0	89.0	78.5	2173.2	363.8	1159.9	2173.3	363.8	1159.9
155	1.0	LITTLE SMO	148.0	175.0	161.5	2.3	0.1	0.4	49.0	88.0	68.5	5384.6	608.2	2113.5	5386.8	608.2	2113.9
156	2.0	HOT CRK	160.0	186.0	173.0	1263.5	304.6	812.3	71.0	120.0	95.5	8977.6	3300.8	3697.1	9841.1	3605.3	6469.4
170	2.0	PENOYER	134.0	168.0	151.0	2756.3	966.7	1681.2	88.0	129.0	108.5	6510.0	2626.0	4315.8	9266.3	3592.7	5997.0
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	29.0	126.0	77.5	10178.5	22.0	1236.2	10237.1	22.0	1238.4
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	0.0	85.0	42.5	14347.0	6864.0	11932.1	21607.6	7735.4	14881.5
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9320.1	25.0	68.0	46.5	13460.6	8950.5	11306.4	24946.6	16211.0	20626.5
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	9.0	64.0	36.5	14228.9	9445.9	12523.4	25862.4	11646.2	18480.0
196	2.0	HAMLIN	37.0	75.0	56.0	14975.8	9700.2	12505.0	34.0	95.0	64.5	12750.6	5712.3	9384.2	27726.4	15412.5	21889.2
202	2.0	PATTERSON	62.0	85.0	73.5	11633.5	8229.0	9923.2	58.0	91.0	74.5	10178.5	6162.9	8143.2	21811.9	14401.9	18066.5
1378	2.0	BIG SMOKY	212.0	238.0	225.0	175.5	53.2	98.3	108.0	142.0	125.0	4363.8	1833.1	2912.9	4539.3	1886.3	3011.2
150	1.0	LIT FISH L	180.0	196.0	188.0	0.0	0.0	0.0	80.0	104.0	92.0	1092.6	173.6	493.3	1092.7	173.6	493.3
53	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	88.0	128.0	108.0	608.2	17.9	122.8	608.2	17.9	122.8
54	1.0	CRESCENT	228.0	236.0	232.0	0.0	0.0	0.0	116.0	142.0	129.0	59.1	3.8	16.1	59.1	3.8	16.1
176	2.0	RUBY	176.0	216.0	196.0	4226.3	2075.5	3015.9	66.0	124.0	95.0	11775.1	7143.6	9328.1	16001.4	9219.1	12344.0
186	1.0	ANTELOPE	142.0	172.0	157.0	4.6	0.1	0.7	68.0	100.0	84.0	2173.2	242.2	805.4	2177.8	242.3	806.1
187	1.0	GOSHUTE	162.0	204.0	183.0	0.4	0.0	0.0	78.0	128.0	103.0	1197.5	17.9	188.9	1197.9	17.9	188.9
3	2.0	DEEP CRK	118.0	150.0	134.0	4159.2	1733.6	2794.3	60.0	90.0	75.0	9936.3	6277.7	8081.4	14095.5	8011.4	10837.7
49	2.0	PAROWAN	24.0	44.0	34.0	16238.0	14133.9	15304.9	136.0	156.0	146.0	2173.2	1197.9	1689.8	18411.2	15331.5	16934.6
51	1.0	CEDAR CITY	16.0	50.0	33.0	15912.4	6207.3	11041.3	128.0	156.0	142.0	17.9	0.7	3.8	15930.3	6208.0	11045.1
52	1.0	LUND DIST	12.0	48.0	30.0	16238.0	6724.3	11926.7	94.0	140.0	117.0	389.5	4.8	53.7	16627.5	6729.1	11980.5
185	1.0	TIPPETT	120.0	144.0	132.0	48.2	3.6	14.0	46.0	74.0	60.0	6048.8	1534.9	3300.8	6097.1	1538.5	3314.8

EFFECT INDEX OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP 12193.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	132.0	225.0	178.5	5533.5	1227.7	2874.9	21369.3	10977.4	15989.7
5	1.0	PINE	25.0	51.0	38.0	13343.5	5956.6	9551.9	108.0	152.0	130.0	104.4	1.0	12.3	13447.8	5957.6	9564.2
6	2.0	WHITE	40.0	103.0	71.5	14626.9	5833.3	10221.3	158.0	214.0	186.0	954.7	113.9	357.3	15501.7	5947.2	10578.6
7	1.0	FISH SPR	82.0	129.0	105.5	1107.0	19.3	183.3	198.0	245.0	221.5	0.0	0.0	0.0	1107.0	19.3	183.3
8	1.0	DUGWAY	98.0	132.0	115.0	341.7	14.0	77.9	220.0	252.0	236.0	0.0	0.0	0.0	341.7	14.0	77.9
9	2.0	GOVT CRK	103.0	143.0	123.0	5833.3	2137.2	3477.9	231.0	263.0	247.0	32.7	10.5	24.1	5885.9	2147.7	3702.1
46	3.0	SEV DES	35.0	129.0	82.0	16290.4	8096.5	12674.7	171.0	263.0	217.0	3237.8	529.5	1441.2	19528.2	8626.0	14135.9
46A	1.0	SEV LAKE	23.0	77.0	50.0	13876.7	1531.3	6207.3	194.0	195.0	174.5	0.8	0.0	0.0	13877.5	1531.3	6207.3
50	1.0	MILFORD	0.0	20.0	10.0	17221.0	14626.9	16532.3	117.0	159.0	138.0	45.7	0.4	5.1	17266.7	14627.3	16537.4
53	3.0	BERYL-ENT	23.0	80.0	51.5	16812.8	12882.6	15269.3	77.0	119.0	98.0	9319.8	6416.1	7889.0	26132.5	19298.7	23158.3
54	1.0	WAH WAH	9.0	49.0	29.0	16661.0	6463.2	12217.4	123.0	163.0	143.0	25.4	0.2	2.9	16686.3	6463.5	12220.3
139	1.0	KOBEH	178.0	215.0	196.5	0.0	0.0	0.0	189.0	226.0	207.5	0.0	0.0	0.0	0.0	0.0	0.0
140	2.0	MONITOR	186.0	209.0	197.5	504.6	199.7	321.7	151.0	203.0	177.0	1190.5	182.0	498.7	1695.1	381.6	820.4
141	1.0	RALSTON	194.0	222.0	208.0	0.0	0.0	0.0	123.0	168.0	145.5	25.4	0.1	2.2	25.4	0.1	2.2
149	1.0	STONE CBN	177.0	206.0	191.5	0.0	0.0	0.0	112.0	155.0	133.5	72.9	0.7	8.5	72.9	0.7	8.5
151	1.0	ANTELOPE	172.0	194.0	183.0	0.1	0.0	0.0	169.0	197.0	183.0	0.1	0.0	0.0	0.2	0.0	0.0
155	1.0	LITTLE SMO	148.0	175.0	161.5	2.3	0.1	0.4	118.0	188.0	153.0	41.5	0.0	0.9	43.7	0.1	1.3
156	2.0	HOT CRK	160.0	186.0	173.0	1263.5	504.6	812.3	103.0	163.0	134.0	3999.1	810.5	1991.9	5222.6	1315.1	2764.2
170	2.0	PENOYER	134.0	168.0	151.0	2736.3	966.7	1681.2	65.0	95.0	80.0	7924.1	4855.5	6346.9	10680.3	5822.2	8028.1
173	1.0	RAILROAD	118.0	178.0	148.0	38.6	0.0	2.3	83.0	171.0	127.0	732.9	0.1	16.9	791.4	0.1	19.1
179	2.0	STEPTOE	92.0	171.0	131.5	7260.6	871.4	2949.4	132.0	243.0	187.5	2060.7	29.5	337.4	9321.3	900.9	3286.9
183	2.0	LAKE	63.0	92.0	77.5	11486.0	7260.6	9330.1	100.0	138.0	119.0	4395.7	1746.8	2874.9	15881.7	9007.3	12205.0
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	112.0	218.0	165.0	3390.7	93.5	758.0	15024.1	2295.8	6714.6
196	2.0	MARLIN	37.0	75.0	56.0	14973.8	9700.2	12505.0	91.0	145.0	118.0	5238.5	1427.1	2945.3	20214.3	11127.3	15450.3
202	2.0	PATTERSON	62.0	85.0	73.5	11633.5	8229.0	9923.2	75.0	103.0	89.0	6869.2	4130.8	5434.5	18502.6	12369.9	15357.7
137B	2.0	BIG SMOKY	212.0	238.0	225.0	179.5	53.2	98.3	176.0	232.0	204.0	517.0	50.2	174.6	692.5	103.4	272.9
130	1.0	LIT FISH L	180.0	196.0	188.0	0.0	0.0	0.0	154.0	182.0	168.0	0.8	0.0	0.1	0.8	0.0	0.1
53	1.0	PINE(N)	200.0	236.0	218.0	0.0	0.0	0.0	224.0	278.0	251.0	0.0	0.0	0.0	0.0	0.0	0.0
54	1.0	CRESCENT	228.0	236.0	232.0	0.0	0.0	0.0	250.0	280.0	265.0	0.0	0.0	0.0	0.0	0.0	0.0
176	3.0	RUBY	176.0	216.0	196.0	4226.3	2075.5	3015.9	224.0	288.0	256.0	1292.9	283.5	624.3	5479.2	2359.0	3640.2
186	1.0	ANTELOPE	142.0	172.0	157.0	4.6	0.1	0.7	234.0	262.0	248.0	0.0	0.0	0.0	4.6	0.1	0.7
187	1.0	GOSHUTE	162.0	204.0	183.0	0.4	0.0	0.0	243.0	288.0	265.0	0.0	0.0	0.0	0.4	0.0	0.0
3	2.0	DEEP CRK	118.0	150.0	134.0	4159.2	1733.6	2756.3	210.0	244.0	227.0	135.5	28.0	63.5	4294.6	1761.7	2819.8
49	2.0	PARDWAN	24.0	44.0	34.0	16238.0	14133.9	15304.9	130.0	168.0	149.0	2173.9	684.6	1265.7	18411.9	14818.5	16370.5
51	1.0	CEDAR CITY	16.0	50.0	33.0	15912.4	6207.3	11041.3	106.0	130.0	128.0	124.3	1.3	15.2	15636.7	6208.5	11056.5
52	1.0	LUND DIST	12.0	48.0	30.0	16238.0	6724.3	11926.7	104.0	140.0	122.0	147.5	4.1	28.0	16385.5	6728.3	11954.8
185	1.0	TIPPETT	120.0	144.0	132.0	48.2	3.6	14.0	204.0	232.0	218.0	0.0	0.0	0.0	48.2	3.6	14.0

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON PRONGHORN KEY HABITAT

LOCATION NO	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
4	SNAKE	3.0	13718.4	12360.8	13629.7	23730.4	14223.9	23496.1	15989.7
5	PINE	1.0	7266.2	6695.6	1920.8	10176.0	8830.3	10909.9	9564.2
6	WHITE	2.0	8225.9	5381.4	12539.5	14877.9	6844.0	18612.5	10578.6
7	FISH SPR	1.0	139.1	11.7	6544.4	336.0	15.4	503.9	183.3
8	DUGWAY	1.0	59.2	2.7	3133.9	97.5	3.6	171.8	77.9
9	GOVT CRK	2.0	2823.2	1155.0	9964.6	4178.9	1507.2	6373.8	3702.1
46	SEV DES	3.0	11322.4	8639.2	14906.8	16503.1	10355.3	20283.8	14135.9
46A	SEV LAKE	1.0	4711.5	972.8	10599.1	1850.0	1284.3	6773.1	6207.3
50	MILFORD	1.0	12555.0	4727.6	886.0	6246.8	6237.5	16546.7	16537.4
53	BERYL-ENT	3.0	21918.3	23105.1	17526.0	23415.3	24755.3	21818.3	23158.3
54	WAH WAH	1.0	9277.0	4917.3	4073.3	7244.8	6489.6	12995.6	12220.3
139	KOBEH	1.0	0.0	0.0	0.0	506.9	0.0	506.9	0.0
140	MONITOR	2.0	897.1	1114.8	883.8	3624.1	1108.4	5334.0	820.4
141	RALSTON	1.0	2.8	2.8	2.8	8.9	2.2	8.9	2.2
149	STONE CBN	1.0	11.1	11.4	11.1	35.1	8.9	34.7	8.5
151	ANTELOPE	1.0	0.0	0.1	0.1	1160.0	0.1	1139.9	0.0
155	LITTLE SMO	1.0	1.4	2.4	1.4	2113.2	2.6	2113.9	1.3
156	HOT CRK	2.0	3172.1	3970.5	2934.1	7525.0	3819.8	6469.4	2764.2
170	PENOYER	2.0	9386.1	11484.9	8718.5	9507.2	10938.2	5997.0	8028.1
173	RAILROAD	1.0	23.8	47.3	22.2	1269.7	30.4	1238.4	19.1
179	STEPTOE	2.0	2680.3	1530.2	4788.1	13369.0	1774.3	14881.5	3286.9
183	LAKE	2.0	10845.9	12213.9	8545.0	22661.5	14030.0	20836.5	12205.0
184	SPRING	2.0	5513.6	5618.5	7937.9	18630.4	6869.1	18480.0	6714.6
196	MARLIN	2.0	13347.8	14483.6	10344.1	23413.9	16975.1	21889.2	15450.3
202	PATTERSON	2.0	14647.3	17310.1	10747.2	21601.9	18893.2	18066.5	15357.7
137B	BIG SMOKY	2.0	303.2	390.5	272.9	3126.8	388.4	3011.2	272.9
130	LIT FISH L	1.0	0.2	0.3	0.2	453.5	0.3	453.3	0.1
53	PINE(N)	1.0	0.0	0.0	0.0	122.8	0.0	122.8	0.0
54	CRESCENT	1.0	0.0	0.0	0.0	16.1	0.0	16.1	0.0
176	RUBY	3.0	3106.5	2834.3	5226.7	12190.8	3287.0	12544.0	3640.2
186	ANTELOPE	1.0	0.6	0.1	98.0	805.5	0.1	806.1	0.7
187	GOSHUTE	1.0	0.0	0.0	8.0	188.9	0.0	188.9	0.0
3	DEEP CRK	2.0	2179.2	1456.1	6401.8	9894.0	1876.1	10837.7	2819.8
49	PARDWAN	2.0	13273.8	10869.7	6688.9	13791.9	13427.8	16934.6	16370.5
51	CEDAR CITY	1.0	8400.4	6699.4	147.7	8821.8	8833.2	11049.1	11056.5
52	LUND DIST	1.0	9089.3	10181.9	176.1	13447.0	13421.3	11980.5	11954.8
185	TIPPETT	1.0	10.7	2.4	371.3	3303.9	3.2	3314.8	14.0

PRONGHORN KEY HABITAT RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
BERYL-ENT	21918.8	BERYL-ENT	23105.1	BERYL-ENT	17526.0	SNAKE	23730.4	BERYL-ENT	24755.3	SNAKE	23496.1	BERYL-ENT	23158.3
PATTERSON	14647.3	PATTERSON	17310.1	SNAKE	13629.7	BERYL-ENT	23415.3	PATTERSON	18893.2	MARLIN	21889.2	PARDWAN	16370.5
SNAKE	13718.4	MARLIN	14483.6	SEV DES	14906.8	MARLIN	23413.9	MARLIN	16975.1	BERYL-ENT	21818.3	MILFORD	16537.4
MARLIN	13347.8	SNAKE	12360.8	WHITE	12539.5	LAKE	22661.5	SNAKE	14223.9	LAKE	20836.5	SNAKE	15989.7
PARDWAN	13273.8	LAKE	12213.9	PATTERSON	10747.2	SEV DES	21601.9	LAKE	14030.0	SEV DES	20283.8	MARLIN	15450.3
MILFORD	12555.0	PENOYER	11484.9	SEV LAKE	10599.1	SPRING	18630.4	SEV DES	13427.8	WHITE	18612.5	PATTERSON	15357.7
SEV DES	11322.4	PARDWAN	10869.7	MARLIN	10344.1	WHITE	16503.1	LUND DIST	13421.3	SPRING	18480.0	SEV DES	14135.9
LAKE	10845.9	LUND DIST	10181.9			LAKE	14877.9	PENOYER	10938.2	PATTERSON	18066.5	WAH WAH	12220.3
						PARDWAN	13791.9	SEV DES	10355.3	PARDWAN	16934.6	LAKE	12205.0
						LUND DIST	13447.0			MILFORD	16546.7	LUND DIST	11954.8
						STEPTOE	13369.0			STEPTOE	14881.5	CEDAR CITY	11056.5
						RUBY	12190.8			WAH WAH	12995.6	WHITE	10578.6
						PINE	10176.0			RUBY	12544.0		
										LUND DIST	11980.5		
										CEDAR CITY	11049.1		
										PINE	10909.9		
										DEEP CRK	10837.7		

Ranking of alternatives by mean combined effect index, standard deviation and standard error for pronghorn key habitat.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	1	Coyote Beryl	4,546	5,864	964	2
2	2	Coyote Delta	4,704	5,255	864	1
3	0	Coyote Milford	5,116	5,825	958	3
4	4	Beryl Coyote	5,293	6,598	1,085	3
5	6	Milford Coyote	6,036	6,740	1,108	5
6	3	Beryl Ely	8,142	8,007	1,316	6
7	5	Milford Ely	8,885	8,124	1,336	7

3958

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO 0
BASE A COYOTE LONG TERM POP 15967.0
BASE B: MILFORD LONG TERM POP. 13071.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	43.0	112.0	77.5	12019.6	7400.2	9954.3	19264.7	9007.6	13718.4
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	211.0	258.0	234.5	139.1	14.7	47.8	1796.3	357.7	841.8
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	118.0	178.0	148.0	44.5	0.0	1.7	1004.0	0.1	23.8
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	62.0	142.0	102.0	8830.0	1670.0	4521.1	13269.4	1795.1	5513.6
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	108.0	138.0	123.0	111.9	5.5	27.2	13216.6	2703.6	7272.3
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	123.0	180.0	151.5	27.2	0.0	1.1	15994.2	10786.3	14476.7
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	88.0	140.0	114.0	5931.0	1769.0	3470.4	21794.1	12281.5	17459.5
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	102.0	128.0	115.0	187.1	16.3	59.2	14569.9	6250.9	10571.7
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	88.0	112.0	100.0	554.1	78.1	220.6	10515.2	4517.5	7207.2
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	68.0	142.0	105.0	8154.4	1670.0	4143.5	22893.8	10526.4	16360.5
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	136.0	150.0	143.0	6.9	1.3	3.1	15562.2	14384.2	15059.7
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13969.1	14902.7	152.0	170.0	161.0	1237.2	684.8	928.1	16792.5	14673.9	15830.8
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	152.0	164.0	158.0	1237.2	840.2	1023.3	16792.5	15579.6	16220.9
218	2.0	CALIF WASH	14.0	40.0	27.0	15650.8	13561.8	14822.4	140.0	166.0	153.0	1769.0	785.5	1199.3	17419.8	14247.3	16021.6
215	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	142.0	180.0	161.0	5237.9	3007.2	4024.3	20293.5	16569.0	18417.1
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	128.0	164.0	146.0	6217.4	3859.8	4971.3	21066.9	16806.2	18960.4
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	160.0	200.0	180.0	0.4	0.0	0.0	13562.2	3673.5	8310.1
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	160.0	198.0	179.0	0.4	0.0	0.0	13562.2	3673.5	8310.1
169B	1.0	TIKABOO S	8.0	42.0	25.0	15555.3	7772.0	12371.8	138.0	158.0	148.0	5.5	0.5	1.7	15560.8	7772.5	12373.5
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	160.0	204.0	182.0	0.4	0.0	0.0	8856.7	2698.1	5295.5
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	212.0	238.0	225.0	133.2	40.4	74.6	810.1	106.1	303.2
5a	2.0	UPPER REES	194.0	256.0	225.0	343.0	19.9	91.1	232.0	254.0	243.0	53.8	18.1	31.6	396.9	38.0	122.7

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: BERYL LONG TERM POP 12834.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	31.0	137.0	94.0	11406.0	5478.9	8596.6	18651.1	7086.2	12360.8
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	192.0	229.0	210.5	298.3	60.9	139.5	1955.5	403.9	933.5
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	98.0	149.0	123.5	254.6	1.5	25.4	1214.2	1.6	47.5
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	49.0	151.0	100.0	10045.2	1252.9	4626.0	14484.7	1378.0	5618.5
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	74.0	100.0	87.0	1373.0	216.6	584.3	14477.7	2914.8	7829.4
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	71.0	114.0	92.5	1639.8	63.8	390.5	17606.8	10850.1	14866.1
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	50.0	104.0	77.0	9944.3	4256.4	7008.5	25807.3	14768.9	20997.4
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	64.0	92.0	78.0	2411.5	405.5	1071.3	16794.3	6640.1	11583.8
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	50.0	76.0	63.0	4626.0	1214.8	2539.8	14587.1	5654.2	9526.4
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	32.0	108.0	70.0	11560.7	3903.6	7784.2	26300.1	12759.9	19901.2
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	18.0	112.0	65.0	11244.2	76.7	2287.8	26799.5	14459.5	17343.4
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13969.1	14902.7	116.0	134.0	125.0	3251.2	2054.1	2605.7	18806.5	16043.2	17508.5
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	114.0	128.0	121.0	3407.5	2411.9	2880.9	18962.8	17150.9	18078.5
218	2.0	CALIF WASH	14.0	40.0	27.0	15650.8	13561.8	14822.4	104.0	132.0	118.0	4256.4	2168.7	3099.6	19907.2	15730.5	17922.0
215	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	108.0	144.0	126.0	7561.9	5011.3	6247.0	22617.4	18573.1	20629.6
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	96.0	132.0	114.0	8449.8	5823.5	7118.6	23299.2	18769.9	21107.[illegible]
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	122.0	164.0	143.0	29.5	0.2	3.0	13591.3	3673.7	8313.1
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	122.0	160.0	141.0	29.5	0.4	3.8	13591.3	3673.8	8313.9
169B	1.0	TIKABOO S	8.0	42.0	25.0	15555.3	7772.0	12371.8	100.0	120.0	110.0	216.6	36.0	91.9	15771.9	7807.9	12463.8
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	124.0	166.0	145.0	26.1	0.2	2.4	8880.5	2698.3	5297.9
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	192.0	222.0	207.0	298.3	84.0	162.0	975.2	149.8	390.5
5a	2.0	UPPER REES	194.0	256.0	225.0	343.0	19.9	91.1	212.0	244.0	228.0	130.8	29.5	63.8	473.9	49.4	154.9

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: DELTA LONG TERM POP. 13679.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	132.0	225.0	178.5	7245.1	1607.4	3764.2	35.0	77.0	56.0	12939.8	10453.9	11865.6	20184.8	12061.3	15629.7
137A	2.0	BIG SMOKY	149.0	194.0	171.5	1657.2	343.0	794.0	222.0	278.0	250.0	89.5	5.1	23.2	1746.7	348.2	817.2
173	1.0	RAILROAD	83.0	171.0	127.0	959.5	0.1	22.1	126.0	209.0	167.5	21.0	0.0	0.1	980.5	0.1	22.2
184	2.0	SPRING	112.0	218.0	165.0	4439.4	125.1	992.5	65.0	98.0	81.5	8888.3	5133.9	6945.4	13327.8	5259.0	7937.9
209	1.0	PAHRANAGAT	22.0	66.0	44.0	13104.7	2698.1	7245.1	151.0	189.0	170.0	1.2	0.0	0.1	13106.0	2698.2	7245.2
210	1.0	COYOTE	0.0	31.0	15.5	15967.0	10786.3	14475.6	171.0	263.0	217.0	0.1	0.0	0.0	15967.1	10786.3	14475.6
205	2.0	MEADOW V	8.0	64.0	36.0	15863.1	10512.5	13989.1	156.0	214.0	185.0	1141.8	127.8	416.2	17004.9	10640.3	14405.4
206	1.0	KANE SPR	16.0	48.0	32.0	14382.8	6234.6	10512.5	172.0	200.0	186.0	0.1	0.0	0.0	14382.9	6234.6	10512.5
221	1.0	TULE DES	34.0	56.0	45.0	9961.1	4439.4	6986.6	162.0	186.0	174.0	0.3	0.0	0.1	9961.4	4439.4	6986.7
222	2.0	VIRGIN R	28.0	76.0	52.0	14739.4	8856.4	12117.0	140.0	220.0	180.0	1851.3	98.0	301.4	16590.7	8954.4	12418.4
219	1.0	MUDDY R	8.0	16.0	12.0	15555.3	14382.8	15055.6	208.0	224.0	216.0	0.0	0.0	0.0	15555.3	14382.8	15055.6
216	2.0	GARNET	16.0	36.0	26.0	15555.3	13969.1	14902.7	226.0	244.0	235.0	74.6	31.5	48.8	15629.9	14020.6	14951.6
217	2.0	HIDDEN V N	16.0	28.0	22.0	15555.3	14739.4	15197.6	226.0	238.0	232.0	74.6	42.3	56.3	15629.9	14781.6	15253.9
218	2.0	CALIF WASH	14.0	40.0	27.0	15650.8	13561.8	14822.4	214.0	242.0	228.0	127.8	34.7	68.0	15778.6	13596.6	14890.3
215	3.0	BLACK MTNS	36.0	60.0	48.0	15055.6	13561.8	14382.8	220.0	256.0	238.0	1523.3	700.3	1048.1	16578.8	14262.1	15430.9
223	3.0	GOLD BUTTE	40.0	68.0	54.0	14849.4	12946.4	13989.1	206.0	242.0	224.0	1996.4	960.7	1405.4	16845.8	13907.1	15394.5
212	1.0	LAS VEGAS	20.0	60.0	40.0	13561.8	3673.5	8310.0	232.0	272.0	252.0	0.0	0.0	0.0	13561.8	3673.5	8310.0
211	1.0	THREE LAK	20.0	60.0	40.0	13561.8	3673.5	8310.0	230.0	268.0	249.0	0.0	0.0	0.0	13561.8	3673.5	8310.0
169B	1.0	TIKABOO S	8.0	42.0	25.0	15555.3	7772.0	12371.8	204.0	228.0	216.0	0.0	0.0	0.0	15555.3	7772.0	12371.8
161	1.0	INDIAN SPR	38.0	66.0	52.0	8856.4	2698.1	5295.5	224.0	272.0	248.0	0.0	0.0	0.0	8856.4	2698.1	5295.5
137B	2.0	BIG SMOKY	176.0	232.0	204.0	676.9	65.8	228.5	218.0	256.0	237.0	107.1	17.1	44.3	784.0	82.8	272.9
5a	2.0	UPPER REES	194.0	256.0	225.0	343.0	19.9	91.1	232.0	266.0	249.0	56.3	10.0	24.5	399.4	29.9	115.6

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	91.0	137.0	94.0	19057.8	7233.0	11349.0	25.0	89.0	57.0	13946.0	10017.3	12381.4	29003.8	17250.3	23730.4
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	123.0	183.0	153.0	3064.1	470.6	1316.4	3458.0	551.0	1500.6
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	29.0	126.0	77.5	10178.5	22.0	1236.2	10514.6	24.0	1269.7
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1654.0	6107.1	9.0	64.0	36.5	14228.9	9445.9	12523.4	27490.3	11100.0	18630.4
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	97.0	138.0	117.5	308.2	6.0	51.2	2120.8	292.0	822.6
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	515.6	132.0	243.0	187.5	11.7	0.0	0.0	2176.4	84.2	515.6
205	2.0	MEADOW V	50.0	104.0	77.0	13128.1	9619.2	9252.1	110.0	178.0	144.0	4173.9	565.8	1729.1	17302.0	6185.0	10981.3
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.2	124.0	152.0	138.0	27.0	1.2	6.0	3210.6	536.5	1420.3
221	1.0	TULE DES	50.0	76.0	63.0	6107.1	1603.7	3353.0	134.0	158.0	146.0	9.4	0.5	2.4	6116.5	1604.2	3355.4
222	2.0	VIRGIN R	32.0	108.0	70.0	15262.0	5153.4	10276.4	120.0	192.0	156.0	3300.8	333.5	1197.5	18562.7	5486.9	11474.0
219	1.0	MUDDY R	18.0	112.0	65.0	14844.2	101.3	3020.3	166.0	178.0	172.0	0.2	0.0	0.1	14844.4	101.3	3020.4
216	2.0	GARNET	116.0	134.0	125.0	4292.2	2711.8	3440.0	182.0	202.0	192.0	488.5	223.1	333.5	4780.7	2934.9	3773.5
217	2.0	HIDDEN V N	114.0	128.0	121.0	4498.4	3183.6	3803.3	182.0	192.0	187.0	488.5	333.5	404.7	4986.9	3517.1	4208.0
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	2863.1	4092.0	176.0	204.0	190.0	608.2	205.4	360.5	6227.3	3068.4	4452.6
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.0	190.0	210.0	200.0	2790.9	1941.7	2338.4	12773.8	8557.4	10585.5
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7687.9	9397.7	186.0	218.0	202.0	2987.9	1662.4	2254.7	14143.0	9350.3	11652.4
212	1.0	LAS VEGAS	122.0	164.0	143.0	39.0	0.3	4.0	180.0	216.0	198.0	0.0	0.0	0.0	39.0	0.3	4.0
211	1.0	THREE LAK	122.0	160.0	141.0	39.0	0.5	5.1	174.0	206.0	190.0	0.1	0.0	0.0	39.0	0.5	5.1
169B	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	136.0	176.0	156.0	7.6	0.0	0.7	293.5	47.5	122.1
161	1.0	INDIAN SPR	124.0	146.0	145.0	31.9	0.2	3.2	154.0	206.0	180.0	0.9	0.0	0.0	32.8	0.2	3.2
137B	2.0	BIG SMOKY	192.0	222.0	207.0	393.9	110.9	213.8	108.0	142.0	125.0	4363.8	1833.1	2912.9	4757.6	1944.0	3126.8
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	126.0	152.0	139.0	2839.3	1358.0	1997.7	3011.9	1396.9	2081.9

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: COYOTE LONG TERM POP. 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	91.0	137.0	94.0	15057.8	7233.0	11349.0	132.0	225.0	178.5	5533.5	1227.7	2874.9	20591.3	8460.7	14227.[illegible]
137A	2.0	BIG SMOKY	192.0	229.0	210.5	393.9	80.4	184.2	149.0	194.0	171.5	1265.7	262.0	606.4	1659.5	342.4	790.[illegible]
173	1.0	RAILROAD	98.0	149.0	123.5	336.2	2.0	33.5	83.0	171.0	127.0	732.9	0.1	16.9	1069.0	2.0	50.[illegible]
184	2.0	SPRING	49.0	151.0	100.0	13261.4	1654.0	6107.1	112.0	218.0	165.0	3390.7	93.5	758.0	16652.0	1749.6	6865.1
209	1.0	PAHRANAGAT	74.0	100.0	87.0	1812.6	286.0	771.4	22.0	66.0	44.0	10008.9	2060.7	5533.5	11821.5	2346.7	6304.9
210	1.0	COYOTE	71.0	114.0	92.5	2164.7	84.2	515.6	0.0	31.0	15.5	12195.0	8238.2	11055.9	14359.7	8322.4	11571.5
205	2.0	MEADOW V	50.0	104.0	77.0	13128.1	9619.2	9252.1	8.0	64.0	36.0	12119.6	8029.1	10684.4	25243.7	13648.2	19936.5
206	1.0	KANE SPR	64.0	92.0	78.0	3183.6	535.3	1414.2	16.0	48.0	32.0	10985.1	4761.8	8029.1	14168.7	5297.1	9443.3
221	1.0	TULE DES	50.0	76.0	63.0	6107.1	1603.7	3353.0	34.0	56.0	45.0	7607.9	3390.7	5336.1	13715.0	4994.5	8689.1
222	2.0	VIRGIN R	32.0	108.0	70.0	15262.0	5153.4	10276.4	28.0	76.0	52.0	11257.4	6764.2	9254.5	26519.4	11917.5	19530.9
219	1.0	MUDDY R	18.0	112.0	65.0	14844.2	101.3	3020.3	8.0	16.0	12.0	11880.6	10989.1	11498.9	26724.8	11086.3	14519.2
216	2.0	GARNET	116.0	134.0	125.0	4292.2	2711.8	3440.0	16.0	36.0	26.0	11880.6	10684.4	11382.2	16172.7	13396.2	14822.1
217	2.0	HIDDEN V N	114.0	128.0	121.0	4498.4	3183.6	3803.3	16.0	28.0	22.0	11880.6	11257.4	11607.3	16379.0	14441.0	15410.7
218	2.0	CALIF WASH	104.0	132.0	118.0	5619.2	2863.1	4092.0	14.0	40.0	27.0	11953.5	10358.0	11320.8	17572.7	13221.1	15412.8
215	3.0	BLACK MTNS	108.0	144.0	126.0	9982.9	6615.7	8247.0	36.0	60.0	48.0	11498.9	10358.0	10985.1	21481.8	16973.7	19232.1
223	3.0	GOLD BUTTE	96.0	132.0	114.0	11155.1	7687.9	9397.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	22496.5	17575.9	20082.1
212	1.0	LAS VEGAS	122.0	164.0	143.0	39.0	0.3	4.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10397.0	2805.9	6350.9
211	1.0	THREE LAK	122.0	160.0	141.0	39.0	0.5	5.1	20.0	60.0	40.0	10358.0	2805.7	6346.9	10397.0	2806.1	6352.0
169B	1.0	TIKABOO S	100.0	120.0	110.0	286.0	47.5	121.4	8.0	42.0	25.0	11880.6	5935.9	9449.1	12166.6	5983.4	9570.5
161	1.0	INDIAN SPR	124.0	146.0	145.0	31.9	0.2	3.2	38.0	66.0	52.0	6764.2	2060.7	4044.5	6796.0	2061.0	4047.7
137B	2.0	BIG SMOKY	192.0	222.0	207.0	393.9	110.9	213.8	176.0	232.0	204.0	517.0	50.2	174.6	910.8	161.1	388.4
56	2.0	UPPER REES	212.0	244.0	228.0	172.7	39.0	84.2	194.0	256.0	225.0	262.0	15.2	69.6	434.7	54.2	153.8

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	25.0	89.0	57.0	13946.0	10017.3	12381.4	29781.9	19767.0	25496.1
137A	2.0	BIG SMOKY	211.0	258.0	234.5	183.3	19.3	63.0	123.0	183.0	153.0	3064.1	470.6	1316.4	3247.4	489.9	1379.3
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	29.0	126.0	77.5	10178.5	22.0	1236.2	10237.1	22.0	1238.4
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5936.6	9.0	64.0	36.5	14228.9	9445.9	12523.4	25862.4	11646.2	18480.0
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	97.0	138.0	117.5	308.2	6.0	51.2	455.6	13.3	87.0
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	132.0	243.0	187.5	11.7	0.0	0.0	47.5	0.0	1.5
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4972.3	110.0	178.0	144.0	4173.9	565.8	1729.1	11988.0	2896.4	6301.4
206	1.0	KANE SPR	102.0	128.0	115.0	246.5	21.5	77.9	124.0	152.0	138.0	27.0	1.2	6.0	273.5	22.6	84.0
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	134.0	158.0	146.0	9.4	0.5	2.4	739.4	103.5	293.1
222	2.0	VIRGIN R	68.0	142.0	105.0	10743.4	2200.3	5590.8	120.0	192.0	156.0	3300.8	333.5	1197.5	14044.2	2533.8	6788.4
219	1.0	MUDDY R	136.0	150.0	143.0	9.1	1.8	4.1	166.0	178.0	172.0	0.2	0.0	0.1	9.3	1.8	4.2
216	2.0	GARNET	152.0	170.0	161.0	1630.0	902.3	1222.8	182.0	202.0	192.0	488.5	223.1	333.5	2118.5	1125.4	1556.3
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	182.0	192.0	187.0	488.5	333.5	404.7	2118.5	1440.5	1752.9
218	2.0	CALIF WASH	140.0	166.0	153.0	2330.6	1034.9	1580.0	176.0	204.0	190.0	608.2	205.4	360.5	2938.8	1240.2	1940.6
215	3.0	BLACK MTNS	142.0	180.0	161.0	6901.0	3962.0	5315.2	190.0	210.0	200.0	2790.9	1941.7	2338.4	9691.8	5903.6	7653.7
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	5085.3	6549.7	186.0	218.0	202.0	2987.9	1662.4	2254.7	11179.3	6747.7	8804.4
212	1.0	LAS VEGAS	160.0	200.0	180.0	0.5	0.0	0.0	180.0	216.0	198.0	0.0	0.0	0.0	0.5	0.0	0.0
211	1.0	THREE LAK	160.0	198.0	179.0	0.5	0.0	0.0	174.0	206.0	190.0	0.1	0.0	0.0	0.6	0.0	0.0
169B	1.0	TIKABOO S	138.0	158.0	148.0	7.2	0.4	2.3	136.0	176.0	156.0	7.6	0.0	0.7	14.8	0.7	3.0
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	154.0	206.0	180.0	0.9	0.0	0.0	1.4	0.0	0.0
137B	2.0	BIG SMOKY	212.0	238.0	225.0	179.5	53.2	98.3	108.0	142.0	125.0	4363.8	1833.1	2912.9	4539.3	1886.3	3011.2
56	2.0	UPPER REES	232.0	254.0	243.0	70.9	23.8	41.6	126.0	152.0	139.0	2839.3	1358.0	1997.7	2910.2	1381.8	2039.3

EFFECT INDEX OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

ALTERNATIVE NO. 6
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B. COYOTE LONG TERM POP. 12195.0

LOCATION NO	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
4	3.0	SNAKE	43.0	112.0	77.5	15835.8	9749.7	13114.7	132.0	225.0	178.5	5533.5	1227.7	2874.9	21369.3	10977.4	15989.7
137A	2.0	BIG SMOKY	211.0	258.0	234.5	183.3	19.3	63.0	149.0	194.0	171.5	1265.7	262.0	606.4	1449.0	281.3	669.4
173	1.0	RAILROAD	118.0	178.0	148.0	58.6	0.0	2.3	83.0	171.0	127.0	732.9	0.1	16.9	791.4	0.1	19.1
184	2.0	SPRING	62.0	142.0	102.0	11633.5	2200.3	5956.6	112.0	218.0	165.0	3390.7	95.5	758.0	15024.1	2295.8	6714.6
209	1.0	PAHRANAGAT	108.0	138.0	123.0	147.4	7.2	35.8	22.0	66.0	44.0	10008.9	2060.7	5533.5	10156.3	2068.0	5569.3
210	1.0	COYOTE	123.0	180.0	151.5	35.8	0.0	1.5	0.0	31.0	15.5	12195.0	8238.2	11055.9	12230.8	8238.2	11057.4
205	2.0	MEADOW V	88.0	140.0	114.0	7814.1	2330.6	4572.3	8.0	64.0	36.0	12115.6	8029.1	10664.4	19929.7	10359.7	15256.6
206	1.0	KANE SPR	102.0	128.0	115.0	246.5	21.5	77.9	16.0	48.0	32.0	10985.1	4761.8	8029.1	11231.6	4783.2	8107.0
221	1.0	TULE DES	88.0	112.0	100.0	730.0	102.9	290.7	34.0	56.0	45.0	7607.9	3390.7	5336.1	8337.9	3493.6	5626.8
222	2.0	VIRGIN R	68.0	142.0	105.0	10743.4	2200.3	5590.8	28.0	76.0	52.0	11257.4	6764.2	9254.5	22000.8	8964.4	14845.3
219	1.0	MUDDY R	136.0	150.0	143.0	9.1	1.8	4.1	8.0	16.0	12.0	11880.6	10985.1	11498.9	11889.6	10986.8	11503.0
216	2.0	GARNET	152.0	170.0	161.0	1630.0	902.3	1222.8	16.0	36.0	26.0	11880.6	10684.4	11382.2	13510.6	11586.6	12604.9
217	2.0	HIDDEN V N	152.0	164.0	158.0	1630.0	1107.0	1348.2	16.0	28.0	22.0	11880.6	11257.4	11607.3	13510.6	12364.4	12955.6
218	2.0	CALIF WASH	140.0	166.0	153.0	2330.6	1034.9	1580.0	14.0	40.0	27.0	11953.3	10358.0	11320.8	14284.1	11392.9	12900.8
215	3.0	BLACK MTNS	142.0	180.0	161.0	6901.0	3962.0	5315.2	36.0	60.0	48.0	11498.9	10358.0	10985.1	18399.9	14320.0	16300.3
223	3.0	GOLD BUTTE	128.0	164.0	146.0	8191.5	5085.3	6549.7	40.0	68.0	54.0	11341.4	9888.0	10684.4	19532.9	14973.3	17234.1
212	1.0	LAS VEGAS	160.0	200.0	180.0	0.5	0.0	0.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10358.5	2805.7	6346.9
211	1.0	THREE LAK	160.0	198.0	179.0	0.5	0.0	0.0	20.0	60.0	40.0	10358.0	2805.7	6346.9	10358.5	2805.7	6346.9
1698	1.0	TIKABOO S	138.0	158.0	148.0	7.2	0.6	2.3	8.0	42.0	25.0	11890.6	5935.9	9449.1	11887.8	5936.6	9451.4
161	1.0	INDIAN SPR	160.0	204.0	182.0	0.5	0.0	0.0	38.0	66.0	52.0	6764.2	2060.7	4044.5	6764.7	2060.7	4044.5
137B	2.0	BIG SMOKY	212.0	238.0	225.0	175.5	53.2	98.3	176.0	232.0	204.0	517.0	50.2	174.6	692.5	103.4	272.9
56	2.0	UPPER REES	232.0	254.0	243.0	70.9	23.8	41.6	194.0	256.0	225.0	262.0	15.2	69.6	332.9	39.0	111.2

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON BIGHORN KEY HABITAT

LOCATION NO.	NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
4	SNAKE	3.0	13718.4	12360.8	15629.7	23730.4	14223.9	25496.1	15989.7
137A	BIG SMOKY	2.0	841.8	933.5	817.2	1500.6	790.6	1[illegible].3	669.4
173	RAILROAD	1.0	23.8	47.5	22.2	1269.7	50.4	1238.4	19.1
184	SPRING	2.0	5513.6	5618.5	7937.9	18630.4	4865.1	18480.0	6714.6
209	PAHRANAGAT	1.0	7272.3	7829.4	7245.2	822.6	6304.9	87.0	5569.3
210	COYOTE	1.0	14476.7	14866.1	14475.6	515.6	11571.5	1.5	11057.4
205	MEADOW V	2.0	17459.5	20997.4	14405.4	10981.3	19936.5	6301.4	15256.6
206	KANE SPR	1.0	10571.7	11583.8	10512.5	1420.3	9443.3	84.0	8107.0
221	TULE DES	1.0	7207.2	9526.4	6986.7	3355.4	8689.1	293.1	5626.8
222	VIRGIN R	2.0	16360.5	19901.2	12618.4	11474.0	19530.9	6788.4	14845.3
219	MUDDY R	1.0	15058.7	17343.4	15055.6	3020.4	14519.2	4.2	11503.0
216	GARNET	2.0	15830.8	17508.5	14951.6	3773.5	14822.1	1556.3	12604.9
217	HIDDEN V N	2.0	16220.9	18078.5	15253.9	4208.0	15410.7	1752.9	12955.6
218	CALIF WASH	2.0	16021.6	17922.0	14870.3	4452.6	15412.8	1940.6	12900.8
215	BLACK MTNS	3.0	18417.1	20629.8	15430.9	10585.5	19232.1	7653.7	16300.3
223	GOLD BUTTE	3.0	18960.4	21107.7	15394.5	11652.4	20082.1	8804.4	17234.1
212	LAS VEGAS	1.0	8310.1	8313.1	8310.0	4.0	6350.9	0.0	6346.9
211	THREE LAK	1.0	8310.1	8313.9	8310.0	5.1	6352.0	0.0	6346.9
1698	TIKABOO S	1.0	12373.5	12463.8	12371.8	122.1	9570.5	3.0	9451.4
161	INDIAN SPR	1.0	5295.5	5297.9	5295.5	3.2	4047.7	0.0	4044.5
137B	BIG SMOKY	2.0	303.2	390.5	272.9	3126.8	388.4	3011.2	272.9
56	UPPER REES	2.0	122.7	154.9	115.6	2081.9	153.8	2039.3	111.2

BIGHORN KEY HABITAT RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	INDEX	ALT 1 RESOURCE	INDEX	ALT 2 RESOURCE	INDEX	ALT 3 RESOURCE	INDEX	ALT 4 RESOURCE	INDEX	ALT 5 RESOURCE	INDEX	ALT 6 RESOURCE	INDEX
GOLD BUTTE	18960.4	GOLD BUTTE	21107.7	SNAKE	15629.7	SNAKE	23730.4	GOLD BUTTE	20082.1	SNAKE	25496.1	GOLD BUTTE	17234.1
BLACK MTNS	18417.1	MEADOW V	20997.4	BLACK MTNS	15430.9	SPRING	18630.4	MEADOW V	19936.5	SPRING	18480.0	BLACK MTNS	16300.3
MEADOW V	17459.5	BLACK MTNS	20629.8	GOLD BUTTE	15394.5	GOLD BUTTE	11652.4	VIRGIN R	19530.9			SNAKE	15989.7
VIRGIN R	16360.5	VIRGIN R	19901.2	HIDDEN V N	15253.9	VIRGIN R	11474.0	BLACK MTNS	19232.1			MEADOW V	15256.6
HIDDEN V N	16220.9	HIDDEN V N	18078.5	MUDDY R	15055.6	MEADOW V	10981.3	CALIF WASH	15412.8			VIRGIN R	14845.3
CALIF WASH	16021.6	CALIF WASH	17922.0	GARNET	14951.6	BLACK MTNS	10585.5	HIDDEN V N	15410.7			HIDDEN V N	12955.6
GARNET	15830.8	GARNET	17508.5	CALIF WASH	14870.3			GARNET	14822.1			CALIF WASH	12900.8
MUDDY R	15058.7	MUDDY R	17343.4	COYOTE	14475.6			MUDDY R	14519.2			GARNET	12604.9
COYOTE	14476.7	COYOTE	14866.1	MEADOW V	14405.4			SNAKE	14223.9			MUDDY R	11503.0
SNAKE	13718.4	TIKABOO S	12463.8	VIRGIN R	12618.4			COYOTE	11571.5			COYOTE	11057.4
TIKABOO S	12373.5	SNAKE	12360.8	TIKABOO S	12371.8								
KANE SPR	10571.7	KANE SPR	11583.8	KANE SPR	10512.5								

Ranking of alternatives by mean combined effect index, standard deviation and standard error for bighorn key habitat.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	5	Milford Ely	3,951	6,532	1,393	1
2	3	Beryl Ely	5,306	6,488	1,383	2
3	6	Milford Coyote	8,815	5,649	1,204	3
4	2	Coyote Delta	9,832	5,642	1,203	4
5	4	Beryl Coyote	10,170	6,759	1,441	6
6	0	Coyote Milford	10,394	6,386	1,362	5
7	1	Coyote Beryl	11,418	7,269	1,550	7

3957

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 0
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: MILFORD LONG TERM POP 13071.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	25.0	51.0	38.0	10127.9	4521.1	7250.0	10264.6	4522.4	7266.2
49	2.0	PAROWAN	130.0	168.0	149.0	2846.3	896.3	1657.2	24.0	44.0	34.0	12324.9	10727.9	11616.6	15171.2	11624.2	13273.8
51	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	16.0	50.0	33.0	11774.1	4711.4	8380.5	11936.9	4713.1	8400.4

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 1
BASE A: COYOTE LONG TERM POP. 15967.0
BASE B: BERYL LONG TERM POP. 12834.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	18.0	62.0	40.0	11244.2	2672.8	6679.5	11380.9	2674.1	6695.6
49	2.0	PAROWAN	130.0	168.0	149.0	2846.3	896.3	1657.2	42.0	72.0	57.0	10719.9	7561.9	9212.6	13566.2	8458.2	10869.7
51	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	28.0	52.0	40.0	9319.4	4256.4	6679.5	9482.1	4258.0	6699.4

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 2
BASE A: COYOTE LONG TERM POP 15967.0
BASE B: DELTA LONG TERM POP. 13679.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	108.0	152.0	130.0	136.7	1.3	16.1	48.0	91.0	69.5	5341.2	465.7	1904.7	5477.9	467.0	1920.6
49	2.0	PAROWAN	130.0	168.0	149.0	2846.3	896.3	1657.2	82.0	116.0	99.0	6887.7	3465.3	5031.7	9734.1	4361.6	6688.9
51	1.0	CEDAR CITY	106.0	150.0	128.0	162.7	1.6	19.9	86.0	128.0	107.0	668.4	17.1	127.8	831.1	18.7	147.7

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 3
BASE A: BERYL LONG TERM POP. 16943.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	58.0	94.0	76.0	3634.5	389.5	1358.0	18478.7	3918.0	10176.0
49	2.0	PAROWAN	42.0	72.0	57.0	14152.0	9982.9	12162.1	136.0	156.0	146.0	2173.2	1197.5	1629.8	16325.2	11160.5	13791.9
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	5619.2	8818.0	128.0	156.0	142.0	17.9	0.7	3.8	12321.0	5619.9	8821.8

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 4
BASE A: BERYL LONG TERM POP 16943.0
BASE B: COYOTE LONG TERM POP 12195.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	18.0	62.0	40.0	14844.2	3528.5	8818.0	108.0	152.0	130.0	104.4	1.0	12.3	14948.6	3529.5	8830.3
49	2.0	PAROWAN	42.0	72.0	57.0	14152.0	9982.9	12162.1	130.0	168.0	149.0	2173.9	684.6	1265.7	16325.9	10667.5	13427.8
51	1.0	CEDAR CITY	28.0	52.0	40.0	12303.1	5619.2	8818.0	106.0	150.0	128.0	124.3	1.3	15.2	12427.4	5620.4	8833.2

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO. 5
BASE A: MILFORD LONG TERM POP. 17221.0
BASE B: ELY LONG TERM POP. 14347.0

LOCATION NO.	APPL	NAME	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
5	1.0	PINE	25.0	51.0	38.0	13343.5	5956.6	9551.9	58.0	94.0	76.0	3634.5	389.5	1358.0	16978.0	6346.0	10909.9
49	2.0	PAROWAN	24.0	44.0	34.0	16238.0	14133.9	15304.9	136.0	156.0	146.0	2173.2	1197.5	1629.8	18411.2	15331.5	16934.6
51	1.0	CEDAR CITY	16.0	50.0	33.0	15312.4	6207.3	11041.3	128.0	156.0	142.0	17.9	0.7	3.8	15530.3	6208.0	11045.1

EFFECT INDEX OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

ALTERNATIVE NO 6
BASE A: MILFORD LONG TERM POP 17221.0
BASE B: COYOTE LONG TERM POP 12195.0

[illegible]	MILES TO A N	F	AVE	EFFECT INDEX OF BASE A MAX	MIN	AVE	MILES TO B N	F	AVE	EFFECT INDEX OF BASE B MAX	MIN	AVE	COMBINED EFFECTS MAX	MIN	AVE
[illegible]	29.0	51.0	38.0	13343.5	5956.6	9551.9	108.0	152.0	130.0	104.4	1.0	12.3	13447.8	5957.6	9564.2
[illegible]	24.0	44.0	34.0	16238.0	14133.9	15304.9	130.0	168.0	149.0	2173.9	684.6	1265.7	18411.9	14818.5	16570.5
[illegible]	16.0	50.0	33.0	15312.4	6207.3	11041.3	106.0	150.0	128.0	14.3	1.3	15.2	15636.7	6208.5	11056.5

COMBINED AVERAGE EFFECT INDEXES OF BASING ALTERNATIVES ON UTAH PRAIRIE DOG KEY HABITAT

NO	LOCATION NAME	APPEAL	AVERAGE EFFECT INDEX BY ALTERNATIVE 0	1	2	3	4	5	6
9	PINE	1 0	7266.2	6699.6	1920.8	10176.0	8830.3	10909.9	9564.2
49	PAROWAN	2 0	13273.8	10869.7	6600.9	13791.7	13427.8	16934.6	16570.5
51	CEDAR CITY	1 0	8400.4	6699.4	147.7	8821.8	8833.2	11045.1	11056.5

UTAH PRAIRIE DOG KEY HABITAT RANKED IN ORDER OF MEAN EFFECT INDEX GREATER THAN10000

ALT 0 RESOURCE	ALT 0 INDEX	ALT 1 RESOURCE	ALT 1 INDEX	ALT 2 RESOURCE	ALT 2 INDEX	ALT 3 RESOURCE	ALT 3 INDEX	ALT 4 RESOURCE	ALT 4 INDEX	ALT 5 RESOURCE	ALT 5 INDEX	ALT 6 RESOURCE	ALT 6 INDEX
PAROWAN	13273.8	PAROWAN	10869.7			PAROWAN	13791.9	PAROWAN	13427.8	PAROWAN	16934.6	PAROWAN	16570.5
						PINE	10176.0			CEDAR CITY	11045.1	CEDAR CITY	11056.5
										PINE	10909.9		

Ranking of alternatives by mean combined effect index, standard deviation and standard error for Utah prairie dog.

RANK BY MEAN	ALT. NO.	OB BASE PAIRS	MEAN COMBINED EFFECT INDEX[1]	STANDARD DEVIATION ABOUT MEAN	STANDARD ERROR ABOUT MEAN	SUBJECTIVE RANKING[2]
1	2	Coyote Delta	2,919	3,383	1,953	1
2	1	Coyote Beryl	8,088	2,409	1,391	2
3	0	Coyote Milford	9,647	3,192	1,843	3
4	4	Beryl Coyote	10,364	2,654	1,532	4
5	3	Beryl Ely	10,930	2,569	1,483	5
6	6	Milford Coyote	12,397	3,690	2,131	6
7	5	Milford Ely	12,963	3,440	1,986	7

3956

[1]Computed from columns of table.

[2]Using mean, standard deviation and standard error.

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8