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Reptiles and Amphibians in Deep Canyons: The Big Jacks and Little Jacks Creek Drainages of Owyhee County, Idaho

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INTRODUCTION

Many of the reptiles and amphibians that live in southern Idaho can be found in the canyons of Owyhee county. However, of the few studies on reptiles and amphibians that have been conducted in Owyhee county (Diller 1981, Munger et al.1993, 1994, Beck 1994) none have been conducted in the deep canyon areas, such as Big Jacks and Little Jacks Creeks. These canyons, which can reach a depth of 400 meters, contain habitat suitable for many native reptiles and amphibians. However, it is presently unknown whether canyons represent a hot spot of herpetological diversity, and therefore are worthy of protection, or whether they are relatively depauperate, or are somewhere in between. This study will examine the diversity and abundance of reptiles and amphibians in deep canyons of Owyhee County, and should therefore provide a model for other similar areas in Southern Idaho. For the purposes of this report, all areas within the Big Jacks and Little Jacks Creeks drainages will be referred to as the "study area". The term "herp" is used in this report to collectively refer to reptiles and amphibians.

Of the species potentially found in the study area the Spotted Frog is listed by the U.S. Fish and Wildlife Service (USFWS) as a candidate species, the Idaho Department of Fish and Game (IDF&G) as a species of special concern A (priority species), and by the Bureau of Land Management (BLM) as a sensitive species. The Northern Leopard Frog and the Mojave Black-collared Lizard are listed by the BLM as sensitive, and by IDF&G as a species of special concern A. The Western Toad is listed as an IDF&G species of special concern C (undetermined status) and by the BLM as sensitive. The Western Ground Snake, and the Longnose Snake are listed by IDF&G as species of special concern B (peripheral species).

This study was designed primarily as a survey to determine presence or absence of reptiles and amphibians of the deep canyons of the Big Jacks and Little Jacks creek drainages, and to provide baseline data for future studies. In addition, we collected data to determine movement patterns of snakes in the vicinity of Parker Trail on Big Jacks Creek.

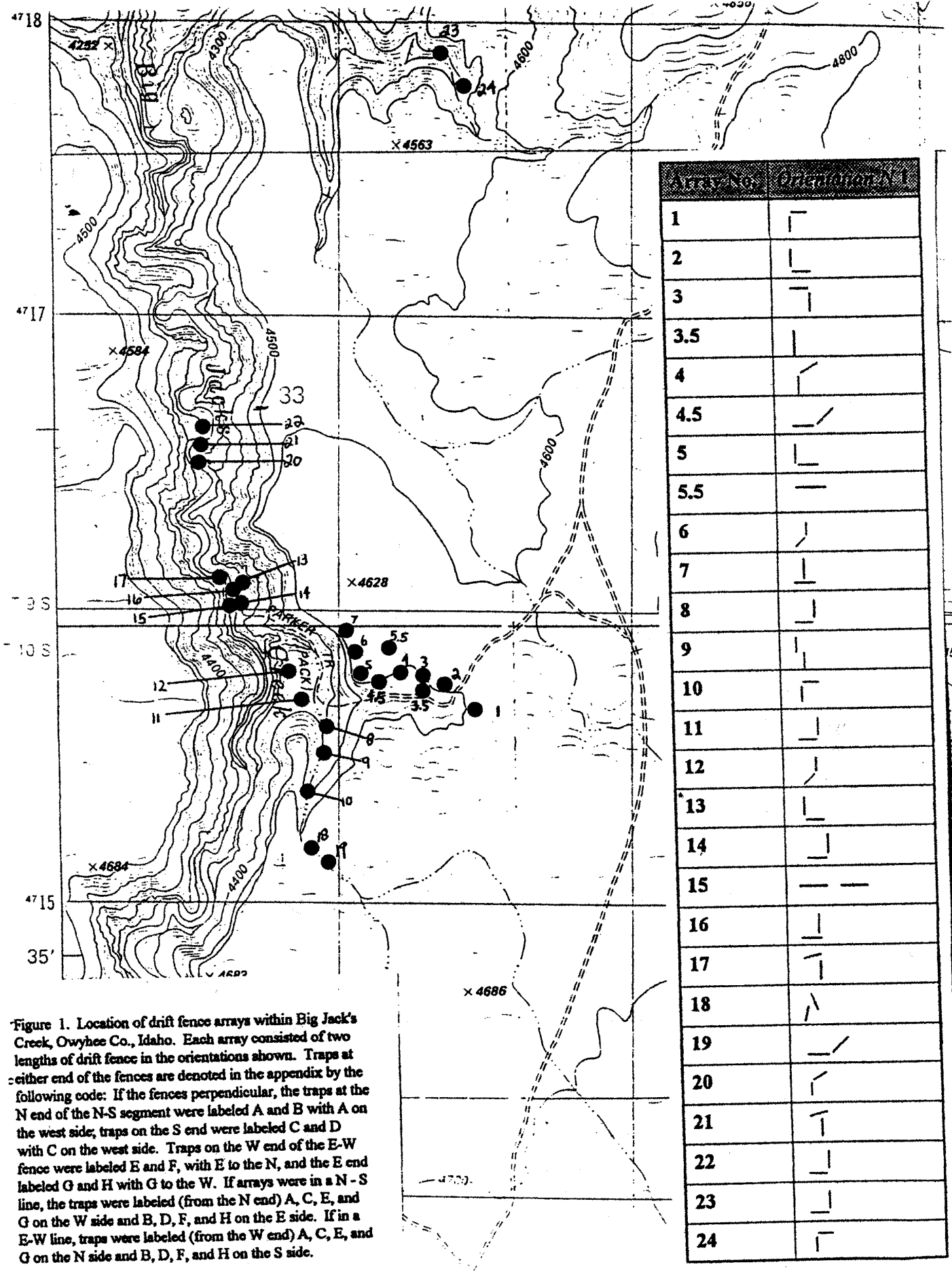
METHODS AND MATERIALS

Two methods of determining presence of herps were utilized; drift fences in conjunction with funnel traps, and visual encounter searches. These two methods were employed in four regimes: upland, rim, midslope/ draws, and canyon bottom. The upland regime was not actively surveyed. Reptiles found in this regime were, therefore, incidental to the study, and included road sightings (both dead and alive) and reptiles that were seen while traveling within the study site. Rim sightings included animals encountered within 100 m of the rim, including those captured in drift fence arrays. Mid-slope sightings were characterized by draws, talus benches, and other suitable habitat that was below the cliff that defined the rim regime, but did not include talus that actually emerged onto the canyon bottom. Some areas of extremely steep canyon walls did not have a mid-slope regime. The canyon bottom was defined to include all sand bars, and talus or dirt that actually emerged onto the floor of the canyon.

Drift Fence installation and construction: Twenty seven drift fence arrays were placed in and near Big Jack's Creek Canyon, as shown in Fig. 1. Drift fences were constructed of two sections of material, either construction grade silt fence or strips of sheet metal flashing. Forty-three sections were constructed of steel flashing, each section used a piece 21" wide by 25' long. The edge of each section was buried a minimum of six inches underground. On plateaus and windy slopes the bottom four inches was bent over before burying to keep the fence from blowing out of the ground. Steel fencing was installed in a trench that was no deeper than six inches and only wide enough to fit the steel in with the bottom four inches bent at a right angle to the fence (Fig. 2). Eight sections were constructed of silt fence, each section was twenty-five feet long by three feet wide with a two by two wooden post at each end and two spaced evenly between the end posts. The posts were driven into the ground at angles so they only contacted the fence at the top. Three foot long strip lathe was used to brace cloth that sagged due to uneven ground. Twenty-seven arrays were erected, 25 of which were comprised of 2 sections and the remainder of one twenty-five foot section of steel fence each. Of the twenty-seven arrays, eight were comprised of one section of steel fence and one section of silt fence, with the objective of determining whether or not there was a difference in effectiveness of each type of fence.

Funnel Traps: Funnel traps were constructed of aluminum window screen. A piece of screen was cut 24" on one side and 20" on the other. This piece was rolled into a cylinder 24" long and stapled together with household staples. One end of the cylinder was flattened, folded over, and clipped with clothespins. To make the funnel, a half circle was cut from the same material as the body and rolled into a funnel with a diameter of 22cm at the widest point. The point end of the funnel was cut off to make a hole that was about 3cm across. This funnel was inserted into the open end of the cylinder and stapled in place with the small hole inside the trap (Fig. 3). On each section of drift fence were placed four funnel traps, two on either side of each end of the fence. Each funnel trap was placed tightly against and parallel to the fence with the opening facing the center of the section of drift fence as in Fig. 3. A dirt ramp was constructed into the opening of the funnel trap to keep reptiles from passing underneath the trap and to help guide them into the trap. To give reptiles a place of refuge from the sun, a piece of cardboard was placed inside each trap and a shade of wood, cardboard, or branches was placed over the top.

Site Selection: Arrays were placed, when possible, at the junction of habitat types within each regime because of the greater likelihood of finding reptiles there that were moving between habitat types to forage. Arrays were placed in the regime defined for rim, mid-slope, and bottom of the canyon. Placement of the drift fence arrays was decided on site and on a per-array basis. Positioning of the arrays was based on practical placement with regards ease of installation, and presence of appropriate habitat.



Array No.	Orientation A-1
1	⌜
2	⌞
3	⌝
3.5	|
4	⌜
4.5	⌟
5	⌞
5.5	—
6	⌜
7	⌞
8	⌟
9	⌝
10	⌜
11	⌟
12	⌜
13	⌞
14	⌟
15	— —
16	⌟
17	⌝
18	/
19	⌟
20	⌜
21	⌝
22	⌟
23	⌟
24	⌜

Figure 1. Location of drift fence arrays within Big Jack's Creek, Owyhee Co., Idaho. Each array consisted of two lengths of drift fence in the orientations shown. Traps at either end of the fences are denoted in the appendix by the following code: If the fences perpendicular, the traps at the N end of the N-S segment were labeled A and B with A on the west side; traps on the S end were labeled C and D with C on the west side. Traps on the W end of the E-W fence were labeled E and F, with E to the N, and the E end labeled G and H with G to the W. If arrays were in a N - S line, the traps were labeled (from the N end) A, C, E, and G on the W side and B, D, F, and H on the E side. If in a E-W line, traps were labeled (from the W end) A, C, E, and G on the N side and B, D, F, and H on the S side.

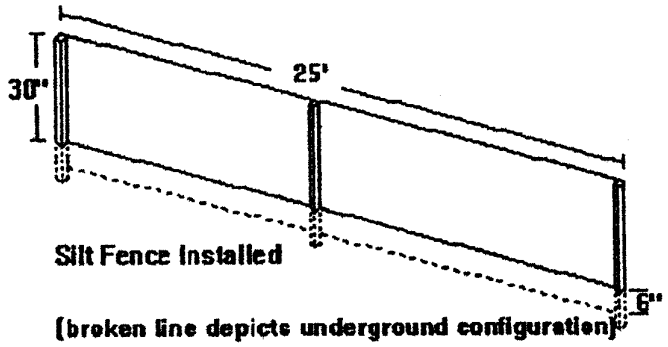


Figure 2a. Configuration of silt fence installation.

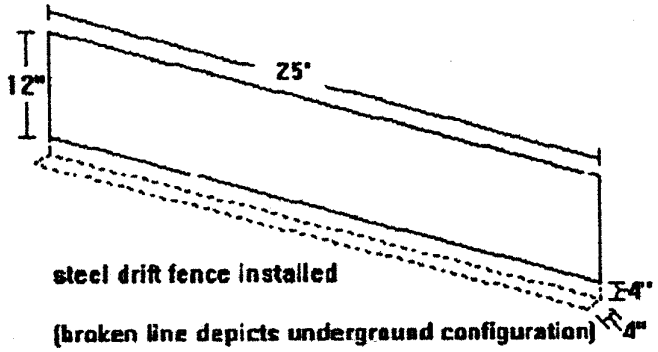


Figure 2b. Steel drift fence installation configuration.

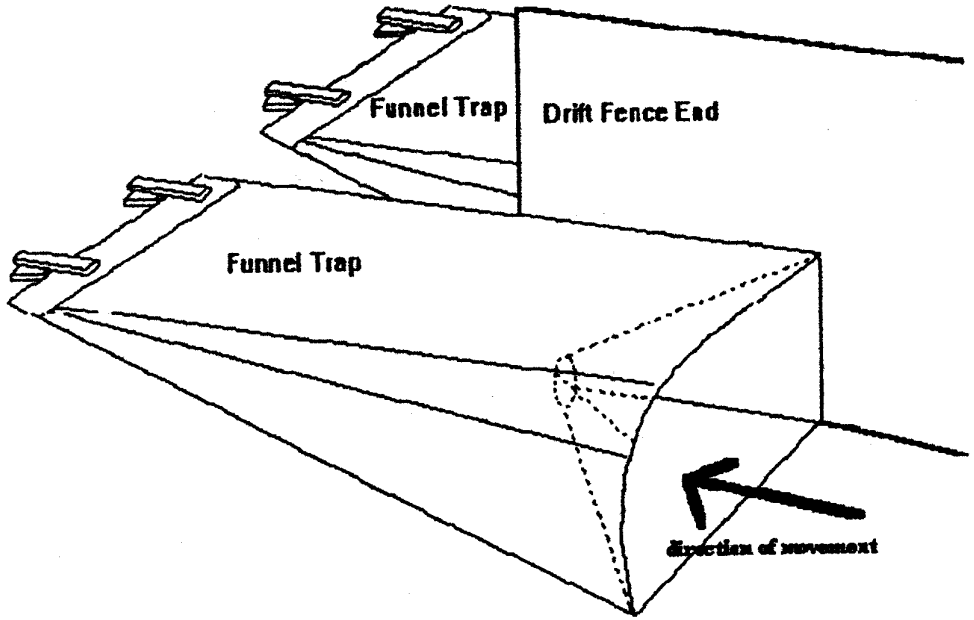


Figure 3. Position of traps on the drift fence end.

Monitoring: The arrays were checked on a three day rotating basis to avoid casualties. Each trap was removed and thoroughly examined for the presence of animals. If a snake was caught in the trap, it was removed and sex:, length, and species were recorded. Each snake within as km radius of Parker Trail was marked with a unique number so it could be identified if recaptured. The marks were made on the ventral scales in the rear third of the snakes body. Scales were clipped to flank the number of unclipped scales for each digit of the marked number. For example, three clipped scales with three unclipped scales between the first two clipped scales and four between the second and third clipped scales would constitute number thirty-four. Lizards that were caught in traps were not marked, but all other data was recorded as for snakes. Animals other than reptiles or amphibians (e.g., birds and mammals) were released and no data was taken other than noting their presence in the trap.

Visual Searches: Visual searches consisted of selecting a section of canyon within the Big Jacks and Little Jacks Creeks drainages that was reasonably accessible, and hiking that section looking for reptiles. While performing visual searches, rocks and other surface debris were turned. All reptiles that were captured were sexed and sized, but not marked unless they were within 5 km of the drift fence arrays. Survey areas outside the trapping area were only surveyed once. All habitat that was disturbed when performing a visual search was replaced as close to its original condition as possible. When we encountered a skin from a reptile, it was identified to species, and recorded as a capture but note was made that it was a skin. We also noted the cloud cover, temperature in Celsius, time, location, and any distinguishing features of the reptiles encountered.

Visual searches of Big Jacks Creek consisted of areas south of the Cottonwood/Big Jacks Creek confluence three miles and north of the Cottonwood/Big Jacks Creek confluence to the Wickahoney Creek confluence. We also conducted visual encounter searches for 1/4 mi north and south ofwhere Big Jacks Creek crosses Battle Creek road. We surveyed Cottonwood Creek from Cottonwood Springs to the Big Jacks Creek confluence. We surveyed a one mile section of Big Jacks Creek, five miles south of the Big Jacks/Little Jacks Creek confluence.

The confluence of Big Jacks/Little Jacks Creek was surveyed extensively as well as tributaries in the vicinity and surrounding hills. This area was visited on three occasions because of the frequency that we passed through on our way to other sections of the creeks. The bench above the confluence was searched as well as Rattlesnake Creek which drains the bench into Little Jacks Creek.

Little Jacks Creek was surveyed in fewer places because of limited access points. We surveyed a one mile section of the creek near OX Reservoir and approximately two miles south of the confluence with Big Jacks Creek. We also surveyed approximately one mile of Little Jacks Creek on either side of the Rattlesnake Creek confluence, and a one mile section beginning approximately two miles south of the Rattlesnake Creek confluence.

In addition to the main creeks we conducted visual encounter surveys in other areas that contained apparently good habitat for herps. Most of these areas fell along roads that travelled parallel to the main creeks. The areas that we visited on these occasions were: Hole in Rock, Big Horse Basin Gap, Rattlesnake Gulch, Wickahoney, Whites Reservoir, Mud Flat Road and Shootly Cutoff Road.

RESULTS

A total of 623 reptiles were encountered during the course of the study. Two hundred eighty-five reptiles were caught in the rim regime, 53 were caught mid-slope, and 116 were caught on the canyon bottom. The remaining 169 reptiles were incidental to the study.

Snakes:

Six species of snakes were found in the canyons of the study area: Gopher Snakes, Western Whipsnakes, Western Rattlesnakes, Night Snakes, Western Terrestrial Gartersnakes, and Western Racers. An additional two species that were found incidental to the study: Western Ground Snakes, and Longnose Snakes. Snakes were found in approximately the same numbers on the rim as in the canyon bottoms. Only a small percent of the snakes found were found mid-slope (Fig. 4). Snakes amounted to about one third of all reptiles caught on the rim, as did snakes caught mid-slope. Snakes accounted for about 80% of all reptiles caught on the canyon bottom. Eighty-nine snakes were marked within 5km of Parker Trail. A total recapture count of each species appears in Fig. 5.

Lizards:

Seven species of lizards were found in the canyons surveyed; Side-blotched lizards, Western Fence lizards, Desert Horned lizards, Short Horned lizards, Longnose Leopard lizards, Western Whiptails, and Western Skinks. One additional species was found incidental to the study, the Mojave Black-collared lizard. Lizards comprised about 70% of the reptiles found on the rim, and two-thirds of those reptiles found mid-slope. Lizards accounted for only about 20% of the reptiles found on the canyon bottom; lizards were found almost strictly on the rim (Fig. 6).

Amphibians:

There was only one species of amphibian found in the study area, Pacific Tree Frog, which was identified by Jim Munger, by call. All others were incidental to the study. This frog accounted for one percent of all herps found on the canyon bottom.

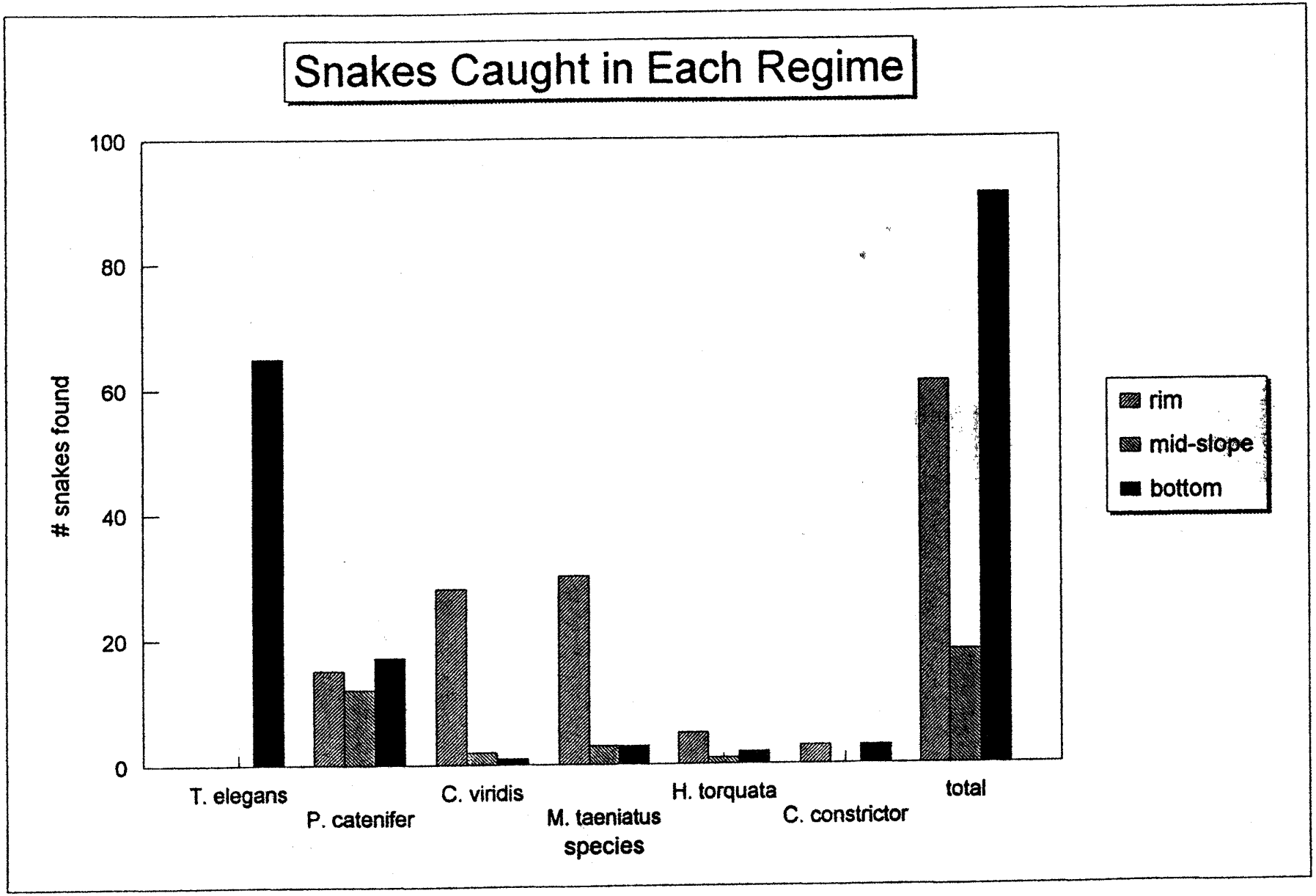

Snakes Caught in Each Regime
100
80
60
40
20
0
snakes found
T. elegans
P. catenifer
C. viridis
M. taeniatus
H. torquata
C. constrictor
total
species
rim
mid-slope
bottom

Figure 4.

Herp Survey Data 1995

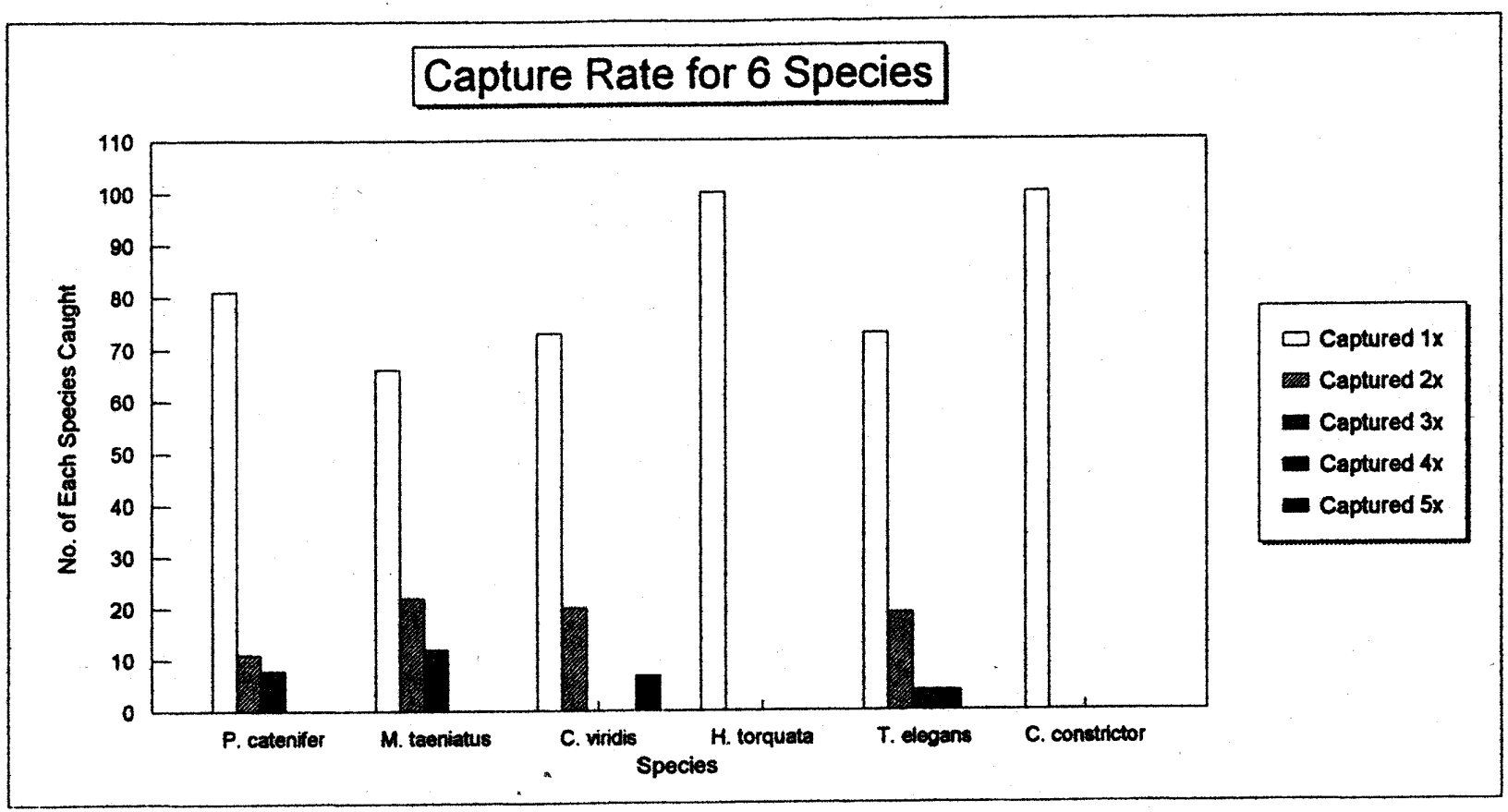


Figure 5.

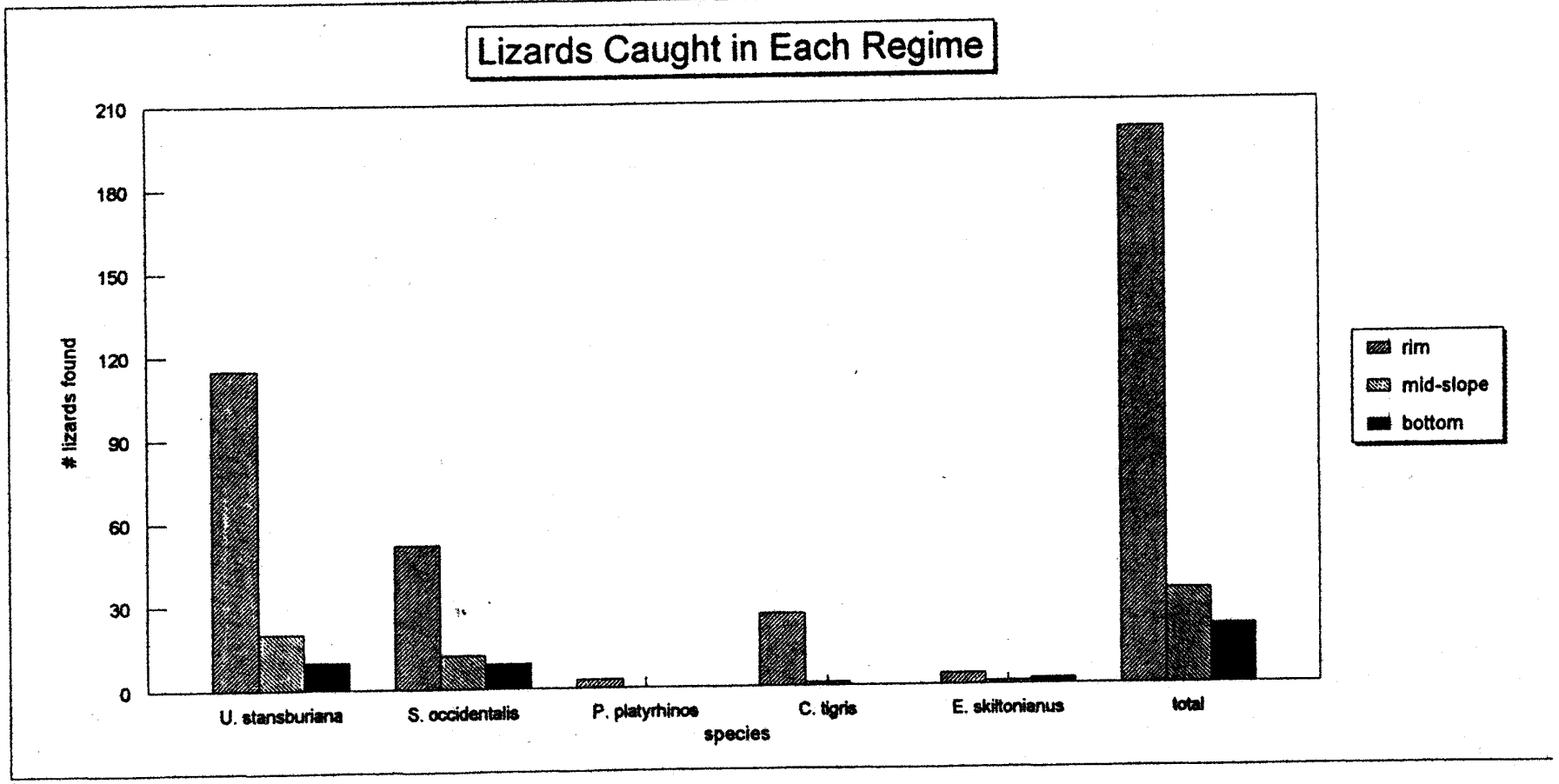

Lizards Caught in Each Regime
lizards found
210
180
150
120
90
60
30
0
U. stansburiana
S. occidentalis
P. platyrhinos
C. tigris
E. skiltonianus
total
species
rim
mid-slope
bottom

Figure 6

Visual Encounter Searches:

In addition to the data obtained from trapping, we found some notable herps during our visual encounter searches. On July 3, we stopped at Big Horse Basin Gap to survey primarily for *Crotaphytus bicinctores.* We found only one *C. bicinctores*, but in the wash that emerges from the gap, we found an unusually high number of *Sonora semiannulata* skins and living specimens. We also found one *Hypsiglena torquata*. All herps except the *C. bicinctores* were found by turning rocks. We returned to this site on Sept. 9, and found two *C. bincinctores* juveniles and no fresh *S. semiannulata* skins nor live specimens. We found *C. bicinctores* on hot sunny days in rocky areas north of the main bench. We found a *C. bicinctores* population at Big Jacks Creek where the pipeline and the creek meet. We found them consistently for about .5 mi to the east of Big Jacks Creek and for about 1.5 mi to the west. We found a population on the Oreana-Triangle Road just before climbing the bench.

DISCUSSION

Based on their geographic ranges (Nussbaum et al. 1985 and Stebbins 1986) the following reptiles and amphibians potentially occur in the study area; those marked with an asterisk were found during the course of this study.

Snakes:
*Western Rattlesnake (*Crotalus viridis*)
*Great Basin Gopher Snake (*Pituophis catenifer*)
*Western Yellow-bellied Racer (*Coluber constrictor*)
*Western Striped Whip snake (*Masticophis taeniatus*)
*Western Ground Snake (*Sonora semiannulata*)
*Night Snake (*Hypsiglena torquata*)
*Western Longnose Snake (*Rhinocheilus lecontei*)
*Western Terrestrial Garter Snake (*Thamnophis elegans*)
Common Garter Snake (*Thamnophis sirtalis*)
Rubber Boa (*Charina bottae*)

Lizards:
*Longnose Leopard Lizard (*Gambelia wislizenii*)
*Western Whiptail (*Cnemidophorus tigris*)
*Desert Horned Lizard (*Phrynosoma platyrhinos*)
*Short Horned Lizard (*Phrynosoma douglassi*)
*Side-blotched Lizard (*Uta stansburiana*)
*Western Fence Lizard (*Sceloporus occidentalis*)
*Sagebrush Lizard (*Sceloporus graciosus*)
*Mojave Black-collared Lizard (*Crotaphytus bicinctores*)
*Western Skink (*Eumeces skiltonianus*)

Amphibians:
*Pacific Treefrog *(Pseudacris regilla*)
Spotted Frog (*Rana pretiosa*)
Northern Leopard Frog (*Rana pipiens*)
Western Toad (*Bufo boreas*)
Woodhouse's Toad (*Bufo woodhousei*)
Great Basin Spadefoot Toad (*Spea intermontanus*)

Reptiles and amphibians potentially found in the study area represent 69% of the total species of reptiles and amphibians in Idaho. Additionally, Long-toed Salamanders (*Ambystoma macrodactylum*) could possibly be found in the study area because the salamander's range borders the study area, and habitat within the study area is similar to the preferred habitat of the salamander. As marked by an asterisk above, we found 17 of 19 potential reptile species during the course of the study.

We found reptiles in all three of the regimes that we surveyed: canyon bottom, mid-slope, and rim. The rim and canyon bottom regimes contained the most reptiles; relatively few were seen in the mid-slope regime, especially during the hottest part of the summer (Fig. 7).

Big Jacks Creek was surveyed using mainly standard drift fence arrays. The drift fence arrays were of two types, steel flashing and silt fence. Silt fence was set up to determine its effectiveness. Insufficient data was obtained to determine to what extent silt fence is effective. Lizards were seen climbing on the silt fence itself. Snakes have been observed using the upright posts to climb over the fence if the posts are placed too close to the fence (M. Gerber pers. obs.). We angled the uprights to eliminate the latter problem. Movement by reptiles in the trapping area was negligible, with very few being recaptured more than 50m from the original site of capture. We did capture an unusually high number of rattlesnakes in one array on the rim in the spring, but by mid summer we could only find one. This could be the result of a den in the vicinity of the array.

Visual searches did not appear to be effective during this study. We found a limited number of species of reptiles using this method. The areas that were surveyed were very rocky, and although rocks were turned, there were many deep talus runs that enabled snakes to retreat far below the surface, thus limiting the habitat that was practical to survey using this method. Except for one Western Groundsnake population, all reptiles that were seen were active foraging, diurnal species such as Gopher snakes, Racers, Whipsnakes, and Western Terrestrial Garter snakes. We occasionally encountered Western Rattlesnakes, which are usually crepuscular but were found frequently during mid morning hours. Representatives of all nine species of lizards found in this study were found during visual searches. Most of the lizards were found on the canyon rim while lizards on the canyon bottom were second in abundance. Mojave Black-collared lizards and Longnose Leopard lizard were recorded as incidentals.

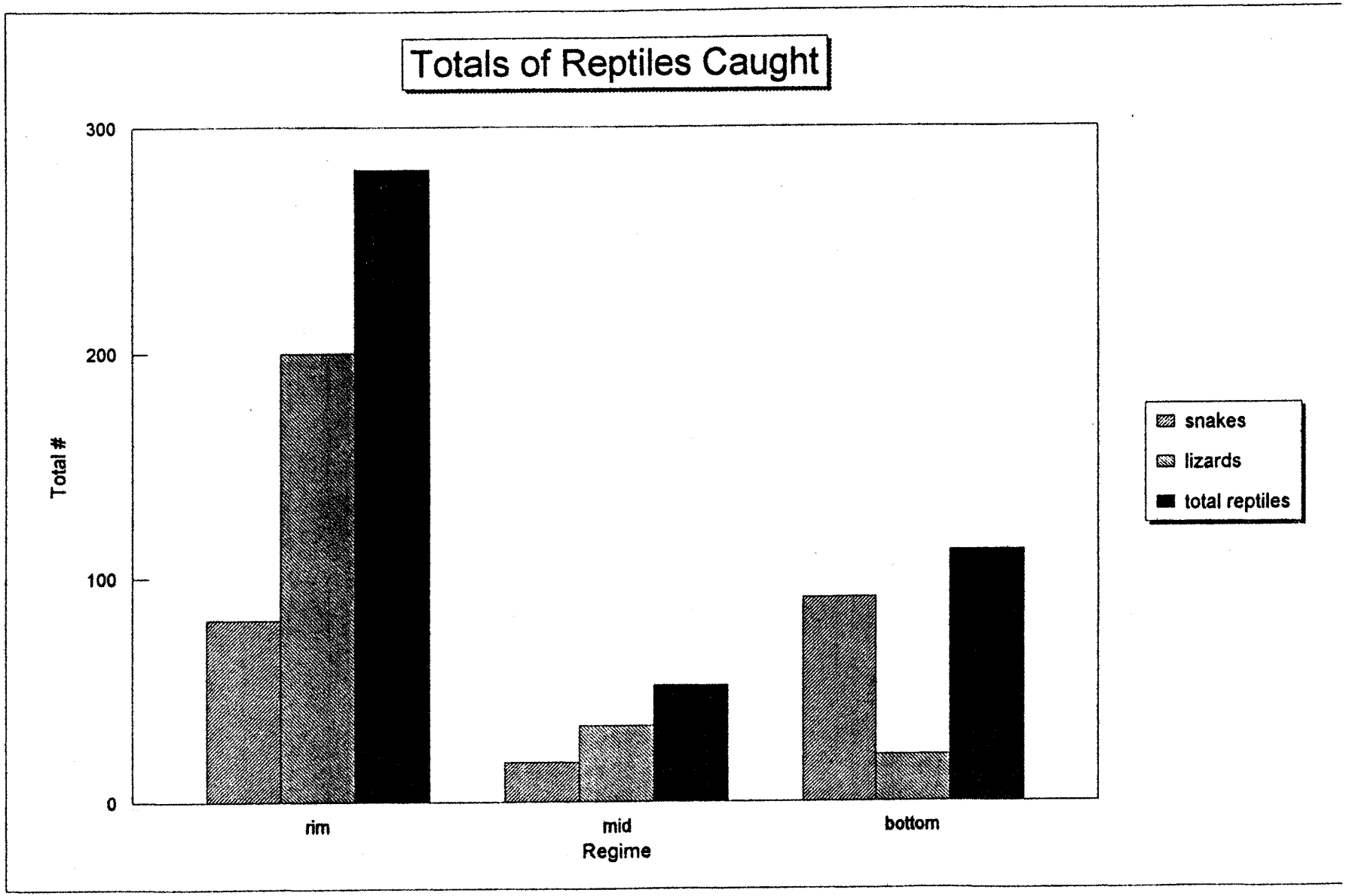

Totals of Reptiles Caught
300
200
100
0
Total #
rim
mid
bottom
Regime
snakes
lizards
total reptiles

Figure 7

SUMMARY

Sixteen species of reptiles and amphibians were found in this study, of which 13 were associated with the deep canyons. Canyon rims and canyon bottoms were utilized by reptiles the most. Western Terrestrial Garter Snakes were found strictly on the bottoms, and Western Rattlesnakes were found primarily on the rim. Gopher Snakes, Racers, and Striped Whipsnakes were found to be relatively abundant in all three regimes surveyed. There appeared to be little or no vertical movement of reptiles between regimes. These deep canyons are important areas in the desert for reptiles because they provide apparently suitable cover and forage for most of Idaho's reptiles. Most of the waterways in these deep canyons are perennial and provide apparently good habitat for reptile and amphibian species.

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Appendix: Capture information for summer of 1995. "Micro" refers to the trap array (see figure).
Regimes: bottom = bottom of canyon; m = midslope; r = rim of canyon; i = incidental (away from canyon).
UTM's and Elevations were taken from USGS 7.5' topographic maps.

Date	Time	Genus	Species	regime	Mark #	Micro	Temp C	Sun/Cloud	Wind	ER R	Legal	UTM N	UTM E	Elevation
Amphibians														
05/18/95	900	Pseudacris	regilla	i	no		10	clear	breezy		T11S R2E SEC 4			
05/19/95	1440	Pseudacris	regilla	b	no		26	clear	breezy		T9S R4E SEC 26	4714310	582310	4160
06/19/95	1557	Pseudacris	regilla	i	no		20	p/c	breezy		T11S R3E SEC9 SE SW SE			
06/19/95	1557	Pseudacris	regilla	i	no		20	p/c	breezy		T11S R3E SEC9 SE SW SE			
05/18/95	1003	Pseudacris	regilla	i	no		17	clear	breezy		T10S R2E SEC 20	4706425	564580	5620
Lizards														
07/03/95	1744	Cnemidophoris	tigris	r	no		21	P/C	windy	7	T10S R4E SEC 4 NW NE NE	4715740	583180	4800
07/03/95	1437	Cnemidophoris	tigris	i	no		22	P/C	windy	7	T7S R4E SEC 22 NE SE SE	4738660	586620	2660
07/03/95	1731	Cnemidophoris	tigris	r	no	2:F	21	P/C	windy	7	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/03/95	1202	Cnemidophoris	tigris	i	no		21	M/C	breezy	8.5	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1156	Cnemidophoris	tigris	i	no		21	M/C	breezy	6	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1030	Cnemidophoris	tigris	i	no		23	P/C	breezy	8	T7S R4E SEC 22 NE SE SE	4738420	585160	2820
07/05/95	2027	Cnemidophoris	tigris	r	no	3:5:A	27	P/C	breezy	8.5	T10S R4E SEC 4 NW NE NE	4715730	583260	4580
07/08/95	929	Cnemidophoris	tigris	i	no		23	P/C	breezy	60	T7S R5E SEC 19 SW NE NW	4741240	590080	2660
07/08/95	1056	Cnemidophoris	tigris	r	no		27	M/C	breezy	6	T10S R4E SEC 4 NW NE NE	4715730	583240	4590
07/06/95	1052	Cnemidophoris	tigris	r	no	2:C	27	M/C	breezy	7	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/12/95	1318	Cnemidophoris	tigris	r	no	3:D	15	cloudy	windy	7	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/12/95	1315	Cnemidophoris	tigris	r	no	2:E	15	cloudy	windy	7	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/23/95	1050	Cnemidophoris	tigris	i	no		21	clear	breezy	9	T2S R2W SEC 27 NE NE SE	4785100	536310	2760
07/29/95	632	Cnemidophoris	tigris	r	no	4:B	20	cloudy	windy	8	T10S R4E SEC 4 NE NW NE	4715770	583180	4600
07/29/95	638	Cnemidophoris	tigris	r	no	4.5:F	21	cloudy	windy	6	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
08/29/95	811	Cnemidophoris	tigris	r	no	2:D	14	clear	windy	8.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/25/95	1304	Cnemidophorus	tigris	r	no		22	p/c	breezy	7	T10S R4E SEC 4 NW SW NE	4715690	583080	4500
05/25/95	1337	Cnemidophorus	tigris	m	no		23	p/c	breezy	10	T10S R4E SEC 4 NW SW NE	4715680	582970	4400
05/27/95	1159	Cnemidophorus	tigris	r	no		20	clear	breezy	12	T10S R4E SEC 4 SW NW NE	4715710	583000	4400
05/29/95	1718	Cnemidophorus	tigris	i	no		25	clear	breezy	8	4E 7S S28 SW NE	4737080	588480	2750
05/30/95	1157	Cnemidophorus	tigris	r	no		27	clear	breezy	8	T10S R4E SEC 4 NE NW NE	4715690	582080	4400
06/12/95	1300	Cnemidophorus	tigris	i	no		30	clear	none	8	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/12/95	1305	Cnemidophorus	tigris	i	no		30	clear	none	9	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/12/95	1155	Cnemidophorus	tigris	i	no		25	clear	breezy	9	T11S R5E SEC 18 NW NE NE	4741240	590080	2660
06/12/95	1257	Cnemidophorus	tigris	i	no		30	clear	none	8	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/26/95	1242	Cnemidophorus	tigris	r	no	2:C	32	clear	breezy	11	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/26/95	928	Cnemidophorus	tigris	i	no		22	clear	none	7	T7S R5E SEC 7 SE NE SE	4739160	589140	2700
06/26/95	1222	Cnemidophorus	tigris	r	no	1:E	32	clear	breezy	9.5	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/26/95	1242	Cnemidophorus	tigris	r	no	4:E	32	clear	breezy	10	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
06/26/95	1222	Cnemidophorus	tigris	r	no	1:E	32	clear	breezy	9.5	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/26/95	1221	Cnemidophorus	tigris	r	no	1:D	32	clear	breezy	10	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/28/95	1312	Cnemidophorus	tigris	r	no	4.5:G	29	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
06/28/95	1157	Cnemidophorus	tigris	r	no	5:D	22	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
06/29/95	936	Cnemidophorus	tigris	i	no		17	clear	breezy	9	T8S R5E SEC8 NW NE NW	4733720	587020	3020
06/29/95	1221	Cnemidophorus	tigris	i	no		25	clear	breezy	9	T7S R4E SEC 29 SW SW SE	4733880	581910	2780
06/29/95	1221	Cnemidophorus	tigris	i	no		25	clear	breezy	9	T7S R4E SEC 32 NE NW NW	4733780	581910	2780
07/01/95	1845	Cnemidophorus	tigris	r	no	2:C	25	P/C	breezy	8	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/01/95	1829	Cnemidophorus	tigris	r	no	1:G	26	P/C	breezy	8	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
07/15/95	1330	Cnemidophorus	tigris	r	no		33	clear	breezy	8	T10S R4E SEC 4 NW NE NE	4715790	583220	4600
07/15/95	1305	Cnemidophorus	tigris	r	no	4.5:F	33	clear	calm	9.5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/18/95	1140	Cnemidophorus	tigris	r	no	4.5:E	31	clear	breezy	8	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/18/95	1150	Cnemidophorus	tigris	r	no	2:C	31	clear	breezy	9.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/12/95	1448	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 NW SE NW	4734250	581330	2960
06/12/95	1520	Crotaphytus	bicinctores	i	no		30	clear	breezy	10	T8S R4E SEC 5 NW NW NW	4734250	581330	2960
06/12/95	1520	Crotaphytus	bicinctores	i	no		30	clear	breezy	11	T8S R4E SEC 5 NW NW NW	4734250	581330	2960
06/12/95	1520	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 NW NW NW	4734250	581330	2960
06/12/95	1257	Crotaphytus	bicinctores	i	no		30	clear	none	10	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/12/95	1257	Crotaphytus	bicinctores	i	no		30	clear	none	8	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/12/95	1300	Crotaphytus	bicinctores	i	no		30	clear	none	11	T8S R4E SEC 5 SW SE SE	4733220	581910	2780
06/12/95	1511	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 SE SE NW	4734250	581330	2960
06/12/95	1511	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 SE SE NW	4734250	581330	2960
06/12/95	1511	Crotaphytus	bicinctores	i	no		30	clear	breezy	10	T8S R4E SEC 5 SE SE NW	4734250	581330	2960
06/12/95	1514	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 SE SE NW	4734250	581330	2960
06/12/95	1511	Crotaphytus	bicinctores	i	no		30	clear	breezy	10	T8S R4E SEC 5 SE SE NW	4734250	581330	2960
06/12/95	1520	Crotaphytus	bicinctores	i	no		30	clear	breezy	10	T8S R4E SEC 5 NW NW NW	4734250	581330	2960
06/12/95	1448	Crotaphytus	bicinctores	i	no		30	clear	breezy	9	T8S R4E SEC 5 NW SE NW	4734250	581330	2960
06/29/95	1210	Crotaphytus	bicinctores	i	no		25	clear	breezy	12	T8S R4E SEC 5 SW SW NW	4733340	581930	2780
06/29/95	1213	Crotaphytus	bicinctores	i	no		25	clear	breezy	10	T8S R4E SEC 5 SW SW NW	473350	581940	2780
06/29/95	1147	Crotaphytus	bicinctores	i	no		24	clear	breezy	12	T8S R4E SEC 8 NW NW NE	4733220	581910	2780
06/29/95	1147	Crotaphytus	bicinctores	i	no		24	clear	breezy	12	T8S R4E SEC 8 NW NW NE	4733220	581910	2780
06/29/95	1215	Crotaphytus	bicinctores	i	no		25	clear	breezy	11	T7S R4E SEC31 SE NE NE	4733690	581910	2780
07/03/95	1149	Crotaphytus	bicinctores	i	no		21	M/C	breezy	10	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/22/95	1435	Crotaphytus	bicinctores	i	no		27	P/C	breezy	12	T5S R1W SEC 1 NE NE NE			
09/09/95	1330	Crotaphytus	bicinctores	i	no		23	clear	breezy	12	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
09/09/95	1330	Crotaphytus	bicinctores	i	no		27	clear	breezy	11	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
05/20/95	1930	Eumeces	skiltonianus	r	no		28	P/C	breezy	8	T10S R4E SEC 4 NW NE NE	4715740	583350	4600
05/30/95	816	Eumeces	skiltonianus	r	no	4:E	20	clear	calm	4	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
06/01/95	2041	Eumeces	skiltonianus	b	no	13:A	19	cloudy	breezy	6	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/11/95	1053	Eumeces	skiltonianus	b	no	13:D	23	clear	none	8	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/28/95	1620	Eumeces	skiltonianus	m	no	9:G	32	clear	breezy	7	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
07/01/95	1909	Eumeces	skiltonianus	r	no	4.5:D	25	P/C	breezy	4	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/15/95	1305	Eumeces	skiltonianus	r	no	4.5:E	32	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
06/06/95	1717	Gambelia	wislizenii	i	no		15	cloudy	breezy	9	T7S R5E SEC 31 SW NW NW	4741840	570260	3170
06/06/95	1707	Gambelia	wislizenii	i	no		15	m/c	breezy	15	T7S R5E SEC 30 SW SW SW	4742740	571740	3079
06/12/95	1232	Gambelia	wislizenii	i	no		30	clear	breezy	8	T8S R4E SEC 2 SE NE NE	4733360	586620	3120
06/29/95	954	Gambelia	wislizenii	i	no		20	clear	windy	9	T8S R4E SEC 2 SE SE NE	4733360	586620	3120
07/03/95	1033	Gambelia	wislizenii	r	no		24	P/C	breezy	8	T7S R4E SEC 22 NE SE SE	4736320	585150	2820
07/18/95	1207	Gambelia	wislizenii	i	no		32	clear	breezy	10	T10S R4E SEC 9 SW SW SW	4711150	589950	4780
07/18/95	920	Gambelia	wislizenii	m	no	6:B	25	p/c	breezy	8.5	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
07/22/95	1400	Gambelia	wislizenii	i	no		27	P/C	breezy	11	T5S R1E SEC 31 SW NW NW			
07/24/95	1917	Phrynosoma	douglassi	i	no		25	clear	breezy	7	T3N R4W S15 SE SW NE	4711150	589860	4780
06/18/95	1443	Phrynosoma	douglassi	r	no		17	cloudy	breezy	4	T10S R4E SEC 4 NE NW NE	4715700	583350	4620

05/18/95	1552	Phrynosoma	platyrhinos	i	no		25	clear	breezy	7	T6S R3E SEC 27	4747410	574870	2740
05/29/95	1713	Phrynosoma	platyrhinos	i	no		25	clear	breezy	6	R4E T7S S25 NW SE	4737340	588220	2750
05/29/95	1728	Phrynosoma	platyrhinos	i	no		25	clear	breezy	5	R4E T7S S25 NW SE	4736880	588680	2750
05/29/95	1648	Phrynosoma	platyrhinos	i	no		27	clear	none	7	R4E T7S S25 NW SE	4737360	588165	2750
05/29/95	1713	Phrynosoma	platyrhinos	i	no		25	clear	breezy	7	R4E T7S S25 NW SE	4737320	588265	2750
06/01/95	1624	Phrynosoma	platyrhinos	r	no	3:D	20	m/c	breezy	7	T10S R4E SEC 4 NW NE NE	4715790	583280	4600
06/01/95	1745	Phrynosoma	platyrhinos	r	no		17	m/c	windy	5	T 10S R4E SEC 4 NE NE NE	4716560	583350	4600
06/12/95	1232	Phrynosoma	platyrhinos	i	no		30	clear	breezy	6	T8S R4E SEC 2 SE NE NE	4733360	586620	3120
06/29/95	1023	Phrynosoma	platyrhinos	i	no		21	clear	breezy	6	T8S R4E SEC 2 SE SE NE	4732880	586200	3180
06/29/95	1227	Phrynosoma	platyrhinos	i	no		25	clear	breezy	6	T7S R4E SEC 29 SW SW SE	4739880	589380	2662
06/29/95	1227	Phrynosoma	platyrhinos	i	no		25	clear	breezy	7	T7S R4E SEC 29 SW SW SE	4739880	589380	2662
07/03/95	1143	Phrynosoma	platyrhinos	i	no		21	cloudy	breezy	5	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1045	Phrynosoma	platyrhinos	i	no		25	P/C	breezy	8	T7S R4E SEC 22 SE SW SW	4738220	585140	2620
09/16/95	830	Phrynosoma	platyrhinos	r	no	2:C	21	P/C	breezy	7	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/09/95	1337	Sceloporus	graciosus	i	no		29	M/C	breezy	5	T10S R3W SEC7 NW SE NW			
05/17/95	1455	Sceloporus	occidentalis	r	no		21	clear	breezy	8	T10S R4E SEC 18	4712600	578960	4340
05/17/95	1455	Sceloporus	occidentalis	r	no		21	clear	breezy	10	T10S R4E SEC 18	4712600	578960	4340
05/19/95	1600	Sceloporus	occidentalis	r	no		27	clear	breezy	8	T10S R4E SEC 18	4711160	580080	4600
05/19/95	1630	Sceloporus	occidentalis	r	no		27	clear	breezy	7	T10S R4E SEC 18	4712760	578820	4460
05/19/95	1304	Sceloporus	occidentalis	b	no		26	clear	breezy	7	T10S R4E SEC4	4715980	582670	4200
05/19/95	1330	Sceloporus	occidentalis	r	no		26	clear	breezy	8	T10S R4E SEC4	4715690	583080	4500
05/19/95	1433	Sceloporus	occidentalis	r	no		26	clear	breezy	8	T9S R4E SEC 28	4714440	582460	4640
05/19/95	1040	Sceloporus	occidentalis	r	no		19	clear	breezy	7	T10S R4E SEC4	4714310	582460	4640
05/20/95	1102	Sceloporus	occidentalis	m	no		25	clear	breezy	8	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
05/21/95	1854	Sceloporus	occidentalis	r	no		20	p/c	none	7	T10S R4E SEC 4 NW NE NE	4715680	583130	4520
05/22/95	1115	Sceloporus	occidentalis	r	no		19	p/c	breezy	6	T10S R4E SEC 4 NW SW NE	4715690	583100	4500
05/22/95	1739	Sceloporus	occidentalis	r	no	3:B	19	P/C	Breezy	8	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/28/95	835	Sceloporus	occidentalis	r	no		18	clear	breezy	8	T10S R4E SEC 4 NE NW NE	4715770	583150	4600
05/28/95	850	Sceloporus	occidentalis	r	no	6:A	18	clear	breezy	7	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
05/30/95	833	Sceloporus	occidentalis	r	no		22	clear	breezy	9	T10S R4E SEC 4 NE NW NE	4715820	583070	4600
05/30/95	833	Sceloporus	occidentalis	r	no		22	clear	breezy	9	T10S R4E SEC 4 NE NW NE	4715820	583070	4600
06/01/95	1619	Sceloporus	occidentalis	r	no	3:B	22	m/c	breezy	7	T10S R4E SEC 4 NW NE NE	4715790	583280	4600
06/01/95	1937	Sceloporus	occidentalis	m	no	10:D	20	m/c	breezy	10	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
06/06/95	955	Sceloporus	occidentalis	r	no		19	cloudy	breezy	7.5	T10S R4E SEC 4 SW NW NE	4715690	583080	4480
06/08/95	1213	Sceloporus	occidentalis	b	no		17	cloudy	breezy	7	T9S R4E SEC 33 SE SE SW	4716070	582710	4160
06/08/95	950	Sceloporus	occidentalis	m	no		17	cloudy	breezy	6.5	T10S R4E SEC 4 SW NW NE	4715520	582950	4420
06/11/95	1151	Sceloporus	occidentalis	r	no		26	clear	breezy	6	T10S R4E SEC 4 NW NE NE	4715760	583320	4600
06/11/95	1615	Sceloporus	occidentalis	m	no		29	clear	breezy	7.5	T11S R3E SEC 2 NW SE NE	4705820	576950	5000
06/14/95	1021	Sceloporus	occidentalis	r	no		21	cloudy	breezy	8	T9S R4E SEC33 NW NE SE	4716630	583260	4580
06/14/95	1712	Sceloporus	occidentalis	r	no		21	cloudy	breezy	7	T10S R4E SEC 4 SE NW NE	4715690	583080	4500
06/14/95	1238	Sceloporus	occidentalis	r	no		23	cloudy	breezy	7	T9S R4E SEC 33 SW NW NE	4717170	582920	4500
06/14/95	1113	Sceloporus	occidentalis	r	no		21	cloudy	breezy	4.5	T9S R4E SEC 33 SE SW NE	4717090	583050	4570
06/14/95	1712	Sceloporus	occidentalis	r	no		21	cloudy	breezy	7	T10S R4E SEC 4 SE NW NE	4715690	583080	4500
06/14/95	1217	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 NE SW NE	4717380	582990	4500
06/14/95	1113	Sceloporus	occidentalis	r	no		21	cloudy	breezy	4.5	T9S R4E SEC 33 SE SW NE	4717090	583050	4570
06/14/95	1217	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 NE SW NE	4717400	582990	4500
06/14/95	1148	Sceloporus	occidentalis	r	no		21	cloudy	breezy	8	T9S R4E SEC 33 SE SW NE	4717220	582980	4560
06/14/95	1148	Sceloporus	occidentalis	r	no		21	cloudy	breezy	5	T9S R4E SEC 33 SE SW NE	4717300	582980	4560
06/14/95	1217	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 NE SW NE	4717380	582990	4500
06/14/95	1217	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 NE SW NE	4717400	582990	4500
06/14/95	1211	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 SE SW NE	4717400	582990	4500
06/14/95	1238	Sceloporus	occidentalis	r	no		23	cloudy	breezy	8	T9S R4E SEC 33 SW NW NE	4717190	582920	4560
06/14/95	1910	Sceloporus	occidentalis	r	no		22	cloudy	windy	6.5	T10S R4E SEC 4 NE NW NE	4715770	583050	4600
06/14/95	1238	Sceloporus	occidentalis	r	no		23	cloudy	breezy	7.5	T9S R4E SEC 33 SW NW NE	4717210	582920	4560
06/14/95	1217	Sceloporus	occidentalis	r	no		23	cloudy	windy	8	T9S R4E SEC 33 NE SW NE	4717400	582990	4500
06/15/95	840	Sceloporus	occidentalis	m	no	12:H	17	cloudy	breezy	8	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/17/95	1903	Sceloporus	occidentalis	r	no		20	cloudy	windy	8	T10S R4E SEC 4 SW NE NE	4715680	583160	4520
06/20/95	2115	Sceloporus	occidentalis	r	no		15	p/c	breezy	8	T10S R4E SEC 4 SW NE NE	4715730	583350	4580
06/20/95	1451	Sceloporus	occidentalis	b	no		17	p/c	breezy	8	T14S R2W SEC 1 NW SE NW			
06/20/95	1451	Sceloporus	occidentalis	b	no		17	p/c	breezy	8	T14S R2W SEC 1 NW SE NW			
06/24/95	1117	Sceloporus	occidentalis	m	no	9:D	30	clear	none	8.5	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
06/24/95	1104	Sceloporus	occidentalis	m	no	12:G	29	clear	none	7.5	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/24/95	1133	Sceloporus	occidentalis	r	no		30	clear	calm	8	T10S R4E SEC 4 SW SW NE	4715140	582990	4620
06/26/95	1242	Sceloporus	occidentalis	r	no	2:c	32	clear	breezy	8	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/26/95	1827	Sceloporus	occidentalis	m	no		26	m/c	none	7.5	T10S R4E SEC 4 SW NW NE	4715685	582855	4380
06/26/95	1827	Sceloporus	occidentalis	m	no		28	m/c	none	7.5	T10S R4E SEC 4 SW NW NE	4715685	582855	4380
06/26/95	1812	Sceloporus	occidentalis	m	no		28	m/c	none	7	T10S R4E SEC 4 NE NW SE	4715365	582900	4440
06/27/95	1323	Sceloporus	occidentalis	b	no		23	clear	none	7.5	T9S R4E SEC 33 NW NE SW	4716500	582560	4090
06/27/95	1039	Sceloporus	occidentalis	r	no		17	clear	calm	8	T9S R4E SEC 34 SE SE NW	4716700	583680	4580
06/27/95	1830	Sceloporus	occidentalis	r	no		28	p/c	breezy	7.5	T10S R4E SEC 4 NE NW NE	4716045	583040	4600
06/27/95	907	Sceloporus	occidentalis	r	no		16	p/c	breezy	7	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
06/27/95	955	Sceloporus	occidentalis	r	no		17	clear	calm	7.5	T10S R4E SEC 4 NE NW NE	4715675	583075	4480
06/28/95	1207	Sceloporus	occidentalis	r	no		23	clear	breezy	7	T10S R4E SEC 4 NE NW NE	4715908	583038	4600
06/28/95	1106	Sceloporus	occidentalis	r	no	2:B	21	clear	breezy	8	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/29/95	1030	Sceloporus	occidentalis	i	no		23	clear	breezy	8	T8S R4E SEC 26 SE SW NW	4732540	585220	3240
06/29/95	1030	Sceloporus	occidentalis	i	no		23	clear	breezy	9	T8S R4E SEC 26 SE SW NW	4732000	584180	3260
06/29/95	1030	Sceloporus	occidentalis	i	no		23	clear	breezy	7	T8S R4E SEC 26 SE SW NW	4732540	585220	3240
06/29/95	1210	Sceloporus	occidentalis	i	no		25	clear	breezy	7	T8S R4E SEC 5 SW SW NW	4733320	581920	2780
07/01/95	2045	Sceloporus	occidentalis	r	no		23	P/C	breezy	7.5	T10S R4E SEC 4 NE SW NE	4715620	582990	4400
07/02/95	1453	Sceloporus	occidentalis	b	no		30	clear	breezy	8	T10S R4E SEC4 NW NW NE	4716060	582710	4160
07/02/95	1303	Sceloporus	occidentalis	b	no		30	M/C	windy	7	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
07/02/95	945	Sceloporus	occidentalis	r	no		21	M/S	windy	7.5	T9S R4E SEC 33 SW SW SE	4716110	583040	4600
07/03/95	1821	Sceloporus	occidentalis	r	no		23	P/C	windy	8	T10S R4E SEC 4 NE NW NE	4715960	583040	4600
07/03/95	1208	Sceloporus	occidentalis	i	no		20	M/C	breezy	7	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/04/95	824	Sceloporus	occidentalis	r	no	18:G	15	clear	breezy	8	T10S R4E SEC 4 SW SW NE	4715170	582920	4620
07/06/95	817	Sceloporus	occidentalis	r	no	16:H	23	clear	none	7.5	T10S R4E SEC 4 SW SW NE	4715170	582920	4620
07/08/95	1117	Sceloporus	occidentalis	r	no	6:G	27	M/C	breezy	7.5	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
07/12/95	1040	Sceloporus	occidentalis	m	no	9:E	21	clear	windy	6	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
07/15/95	1105	Sceloporus	occidentalis	b	no		23	clear	none	7	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
08/29/95	852	Sceloporus	occidentalis	m	no		19	clear	breezy	7	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
09/05/95	1652	Sceloporus	occidentalis	b	no	17:D	25	clear	breezy	2.5	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
09/09/95	849	Sceloporus	occidentalis	r	no		16	clear	breezy	3	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
09/19/95	810	Sceloporus	occidentalis	r	no	2:A	16	clear	breezy	7.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/17/95	1542	Uta	stansburiana	r	no		21	clear	breezy	4	T10S R4E SEC 7	4712560	578900	4400

05/17/95	1517	Uta	stansburiana	r	no		21	clear	breezy	4	T10S R4E SEC 7	4712760	578820	4460
05/17/95	1547	Uta	stansburiana	r	no		21	clear	breezy	4	T10S R4E SEC 7	4712580	578900	4400
05/17/95	1517	Uta	stansburiana	r	no		21	clear	breezy	6	T10S R4E SEC 7	4712760	578820	4460
05/17/95	1550	Uta	stansburiana	r	no		21	clear	none	4	T10S R4E SEC 7	4712760	578820	4460
05/18/95	1316	Uta	stansburiana	r	no		17	clear	breezy	4	T9S R2E SEC 16	4720610	564200	5600
05/18/95	1825	Uta	stansburiana	r	no		27	clear	breezy	4.5	T10S R4E SEC 4	4714310	582460	4640
05/18/95	1316	Uta	stansburiana	r	no		17	clear	breezy	4	T9S R2E SEC 16	4720610	564200	5600
05/19/95	1433	Uta	stansburiana	r	no		26	clear	breezy	4	T9S R4E SEC 28	4714420	582460	4640
05/19/95	1050	Uta	stansburiana	r	no		19	clear	breezy	4.5	T10S R4E SEC4	4714310	582460	4640
05/19/95	1440	Uta	stansburiana	r	no		26	clear	breezy	4.5	T9S R4E SEC 28	4714440	582460	4640
05/19/95	1302	Uta	stansburiana	b	no		25	clear	breezy	5	T10S R4E SEC4	4715980	582670	4200
05/19/95	1302	Uta	stansburiana	b	no		25	clear	breezy	5	T10S R4E SEC4	4715980	582670	4200
05/19/95	1454	Uta	stansburiana	r	no		26	clear	breezy	4	T9S R4E SEC 28	4714310	582540	4640
05/19/95	1040	Uta	stansburiana	r	no		19	clear	breezy	4.5	T10S R4E SEC4	4714310	582460	4640
05/19/95	1302	Uta	stansburiana	b	no		25	clear	breezy	5	T10S R4E SEC4	4715980	582670	4200
05/19/95	1205	Uta	stansburiana	b	no		22	clear	breezy	5	T10S R4E SEC 9	4715980	582670	4200
05/19/95	1050	Uta	stansburiana	r	no		19	clear	breezy	4.5	T10S R4E SEC4	4714310	582460	4640
05/20/95	946	Uta	stansburiana	r	no		17	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
05/20/95	1015	Uta	stansburiana	r	no		18	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
05/20/95	951	Uta	stansburiana	r	no		17	clear	breezy	5	T10S R4E SEC 4 SE NE NE	4715680	583130	4520
05/20/95	1015	Uta	stansburiana	r	no		19	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
05/20/95	938	Uta	stansburiana	r	no		17	clear	breezy	4	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
05/20/95	1111	Uta	stansburiana	m	no		25	clear	breezy	4	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
05/20/95	1051	Uta	stansburiana	r	no		18	clear	breezy	4	T10S R4E SEC 4 NW SW NE	4715690	583080	4500
05/20/95	1015	Uta	stansburiana	r	no		19	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
05/20/95	931	Uta	stansburiana	r	no		18	clear	breezy	4	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
05/21/95	905	Uta	stansburiana	r	no		21	p/c	none	4	T9S R4E SEC 4 SW NE NE	4715680	583130	4520
05/21/95	931	Uta	stansburiana	r	no		22	p/c	breezy	5	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/21/95	918	Uta	stansburiana	r	no		22	p/c	calm	5	T10S R4E SEC 4 NE NW NE	4715730	583130	4520
05/21/95	1420	Uta	stansburiana	r	no		23	p/c	breezy	4	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
05/21/95	1425	Uta	stansburiana	r	no	3:B	22	P/C	Breezy	4	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/21/95	1420	Uta	stansburiana	r	no		23	p/c	breezy	4	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
05/22/95	1754	Uta	stansburiana	r	no	2:D	22	p/c	Breezy	4.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/22/95	1120	Uta	stansburiana	r	no		16	p/c	breezy	4.5	T10S R4E SEC 9	4715690	583010	4420
05/22/95	1120	Uta	stansburiana	r	no		16	p/c	breezy	5	T10S R4E SEC 9	4715690	583010	4420
05/25/95	1255	Uta	stansburiana	r	no		19	p/c	breezy	4	T10S R4E SEC 4 NE NW NE	4715860	583040	4600
05/25/95	1320	Uta	stansburiana	m	no	10:C	23	p/c	breezy	4.5	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
05/25/95	1224	Uta	stansburiana	r	no	3:A	19	p/c	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715790	583280	4600
05/27/95	1231	Uta	stansburiana	m	no	10:F	20	clear	breezy	5	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
05/27/95	1200	Uta	stansburiana	r	no		24	clear	breezy	4	T10S R4E SEC 4 SW NW NE	4715680	583130	4520
05/28/95	830	Uta	stansburiana	r	no	4:C	18	clear	none	4.5	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/28/95	838	Uta	stansburiana	r	no	5:G	19	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
05/28/95	901	Uta	stansburiana	r	no		20	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715600	583070	4600
05/28/95	822	Uta	stansburiana	r	no	3:B	15	clear	none	4.5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/28/95	1841	Uta	stansburiana	i	no		25	clear	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715760	583260	4600
05/28/95	855	Uta	stansburiana	r	no	7:G	20	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
05/28/95	848	Uta	stansburiana	r	no	6:C	19	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
05/28/95	838	Uta	stansburiana	r	no	5:F	19	clear	breezy	4	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
05/28/95	826	Uta	stansburiana	r	no	3:D	15	clear	none	4.5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/29/95	1744	Uta	stansburiana	i	no		30	clear	breezy	4.5	R4E T7S S25 NW SE	4736760	588610	2750
05/30/95	756	Uta	stansburiana	r	no	3:G	20	clear	breezy	5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/30/95	802	Uta	stansburiana	r	no	4:D	20	clear	calm	5	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/30/95	742	Uta	stansburiana	r	no	1:C	15	clear	breezy	4.5	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
05/30/95	816	Uta	stansburiana	r	no	4:F	20	clear	calm	4.5	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/30/95	1139	Uta	stansburiana	m	no	11:B	25	clear	breezy	5	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
05/30/95	1138	Uta	stansburiana	m	no	11:E	25	clear	breezy	4.5	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/01/95	1819	Uta	stansburiana	r	no	3:B	22	m/c	breezy	5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
06/01/95	1949	Uta	stansburiana	m	no	12:B	17	cloudy	breezy	5	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/01/95	1800	Uta	stansburiana	r	no		22	m/c	breezy	5	T10S R4E SEC 4 SE NE NE	4715740	583440	4610
06/01/95	1813	Uta	stansburiana	r	no		22	m/c	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715740	583460	4610
06/01/95	1836	Uta	stansburiana	r	no	4:H	21	m/c	breezy	5.5	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
06/01/95	1852	Uta	stansburiana	r	no	5:B	20	m/c	breezy	5	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
06/05/95	1814	Uta	stansburiana	r	no	1:E	9	cloudy	windy	4	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/06/95	1038	Uta	stansburiana	i	no		15	m/c	windy	4.5	T7S R4E SEC 28 NW SW SW	4737025	581960	2900
06/06/95	1417	Uta	stansburiana	i	no		10	m/c	windy	5	4E 8S s29 SE SE NW	4730460	576300	3656
06/06/95	1907	Uta	stansburiana	i	no		12	cloudy	windy	4	T10S R5E SEC 5 SW SW SW	4734920	588430	2800
06/06/95	1433	Uta	stansburiana	i	no		16	m/c	breezy	4	4E 8S s29 SE SE NW	4730460	576300	3656
06/06/95	1417	Uta	stansburiana	i	no		10	m/c	windy	5	4E 8S s29 SE SE NW	4730460	576300	3656
06/06/95	1907	Uta	stansburiana	i	no		12	cloudy	windy	4	T10S R5E SEC 5 SW SW SW	4734920	588430	2800
06/06/95	1351	Uta	stansburiana	i	no		12	cloudy	breezy	5	T7S R4E SEC 28 NW SW SW	4736660	582380	2840
06/06/95	1417	Uta	stansburiana	i	no		10	m/c	windy	5	4E 8S s29 SE SE NW	4730460	576300	3656
06/06/95	1323	Uta	stansburiana	i	no		12	cloudy	breezy	4.5	T7S R4E SEC 28 NW SW SW	4737040	582380	2860
06/06/95	1208	Uta	stansburiana	i	no		12	cloudy	breezy	4	T7S R4E SEC 28 NW SW SW	4737080	582250	2880
06/06/95	1202	Uta	stansburiana	i	no		12	cloudy	breezy	4.5	T7S R4E SEC 28 NW SW SW	4737030	582080	2880
06/06/95	1310	Uta	stansburiana	i	no		12	cloudy	breezy	4.5	T7S R4E SEC 28 NW SW SW	4737080	582320	2860
06/08/95	1150	Uta	stansburiana	m	no	11:C	17	cloudy	breezy	4.5	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/08/95	950	Uta	stansburiana	r	no	5:H	12	cloudy	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
06/11/95	1151	Uta	stansburiana	r	no		26	clear	breezy	5	T10S R4E SEC 4 NW NE NE	4715760	583320	4600
06/11/95	2002	Uta	stansburiana	r	no	1:A	27	clear	breezy	4.5	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/13/95	1130	Uta	stansburiana	m	no	11:C	22	clear	breezy	4.5	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/13/95	1130	Uta	stansburiana	m	no	11:A	22	clear	breezy	4.5	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/14/95	1642	Uta	stansburiana	r	no	18:E	21	cloudy	breezy	5	T10S R4E SEC 4 SW SW NE	4715170	582920	4620
06/14/95	1238	Uta	stansburiana	r	no		23	cloudy	breezy	4	T9S R4E SEC 33 NE SW NE	4717240	582920	4560
06/14/95	1217	Uta	stansburiana	r	no		23	cloudy	windy	4	T9S R4E SEC 33 NE SW NE	4717400	582990	4500
06/14/95	1048	Uta	stansburiana	r	no		21	cloudy	breezy	5	T9S R4E SEC 33 NE NW SE	4717080	583060	4570
06/14/95	1103	Uta	stansburiana	r	no		21	cloudy	breezy	4	T9S R4E SEC 33 SE SW NE	4717090	583050	4570
06/14/95	1026	Uta	stansburiana	r	no		21	cloudy	breezy	5	T9S R4E SEC33 NW NE SE	4716700	583720	4580
06/14/95	1048	Uta	stansburiana	r	no		21	cloudy	breezy	5	T9S R4E SEC 33 SE SW NE	4717080	583060	4570
06/14/95	1026	Uta	stansburiana	r	no		21	cloudy	breezy	4.5	T9S R4E SEC33 NW NE SE	4716700	583720	4580
06/14/95	1146	Uta	stansburiana	r	no		21	cloudy	breezy	4.5	T9S R4E SEC 33 SE SW NE	4717240	582980	4560
06/14/95	1211	Uta	stansburiana	r	no		23	cloudy	windy	4	T9S R4E SEC 33 SE SW NE	4717400	582990	4500
06/17/95	1851	Uta	stansburiana	r	no		20	cloudy	windy	5	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
06/18/95	1012	Uta	stansburiana	m	no	12:B	17	cloudy	breezy	5	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/18/95	1015	Uta	stansburiana	m	no		17	cloudy	breezy	4	T10S R4E SEC 4 NW NW NE	4715830	582830	4340

06/18/95	954	Uta	stansburiana	m	no	10:D	18	cloudy	breezy	5	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
06/21/95	1635	Uta	stansburiana	r	no	4.5:C	20	clo	windy	4.5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
06/21/95	2012	Uta	stansburiana	r	no	19:G	15	p/c	breezy	4.5	T10S R4E SEC 4 SW SW NE	4715130	582990	4620
06/24/95	1143	Uta	stansburiana	r	no		30	clear	calm	4.5	T10S R4E SEC 4 SW NE NE	4715630	583350	4580
06/24/95	1147	Uta	stansburiana	r	no	1:E	30	clear	breezy	4	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/24/95	1214	Uta	stansburiana	r	no		30	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715760	583070	4600
06/24/95	1104	Uta	stansburiana	m	no	12:G	29	clear	none	4.5	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/26/95	1838	Uta	stansburiana	m	no	12:C	28	m/c	breezy	4.5	T10S R4E SEC 4 NW NW NE	4715770	582830	4340
06/26/95	1920	Uta	stansburiana	m	no		27	clo	breezy	4	T10S R4E SEC 4 NW NW NE	4715680	583080	4480
06/26/95	1235	Uta	stansburiana	r	no	2:F	32	clear	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/26/95	1823	Uta	stansburiana	m	no	10:E	28	m/c	none	4.5	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
06/26/95	1221	Uta	stansburiana	r	no	1:A	32	clear	breezy	4	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
06/26/95	1235	Uta	stansburiana	r	no	2:H	32	clear	breezy	5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/26/95	1235	Uta	stansburiana	r	no	2:E	32	clear	breezy	4	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/27/95	1900	Uta	stansburiana	r	no	6:A	27	clear	breezy	4	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
06/28/95	1026	Uta	stansburiana	r	no		22	clear	breezy	4.5	T10S R4E SEC 4 SW SW NE	4715180	582920	4620
06/28/95	1654	Uta	stansburiana	m	no	10:G	30	clear	breezy	4	T10S R4E SEC 4 NW SW NE	4715440	582900	4440
06/28/95	1115	Uta	stansburiana	r	no	3:C	22	clear	breezy	5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
06/28/95	1058	Uta	stansburiana	r	no	2:G	20	clear	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/28/95	1032	Uta	stansburiana	r	no		20	clear	breezy	4.5	T10S R4E SEC 4 SW SW NE	4715210	582920	4620
06/28/95	1032	Uta	stansburiana	r	no		20	clear	breezy	4.5	T10S R4E SEC 4 SW SW NE	4715210	582920	4620
06/28/95	1323	Uta	stansburiana	r	no	4.5:G	29	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
06/29/95	1148	Uta	stansburiana	b	no		24	clear	breezy	4.5	T8S R4E SEC 8 NW NW NE	4733220	581910	2780
06/29/95	948	Uta	stansburiana	j	no		17	clear	windy	4	T7S R4E SEC 36 SE SW NE	4733500	586700	3100
06/29/95	1148	Uta	stansburiana	i	no		24	clear	breezy	4.5	T8S R4E SEC 8 NW NW NE	4733220	581910	2780
07/01/95	1837	Uta	stansburiana	r	no		26	P/C	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715750	583455	4610
07/01/95	1956	Uta	stansburiana	r	no	5.5:A	24	P/C	breezy	5	T10S R4E SEC 4 NE NW NE	4715850	583190	4600
07/01/95	2001	Uta	stansburiana	r	no		25	P/C	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715820	583260	4600
07/01/95	1900	Uta	stansburiana	r	no	3.5:D	25	P/C	none	5	T10S R4E SEC 4 NW NE NE	4715730	583260	4590
07/01/95	1900	Uta	stansburiana	r	no	3.5:D	25	P/C	none	5	T10S R4E SEC 4 NW NE NE	4715730	583260	4590
07/02/95	1515	Uta	stansburiana	m	no	8:A	28	cloudy	windy	4.5	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
07/02/95	945	Uta	stansburiana	r	no		21	M/S	windy	4.5	T9S R4E SEC 33 SW SW SE	4716110	583040	4600
07/05/95	2021	Uta	stansburiana	r	no	3:D	28	P/C	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/05/95	2023	Uta	stansburiana	r	no	3:H	28	P/C	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/08/95	1111	Uta	stansburiana	r	no		27	M/C	breezy	5	T10S R4E SEC 4 NE NW NE	4715870	583070	4600
07/08/95	1111	Uta	stansburiana	r	no		27	M/C	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715870	583070	4600
07/08/95	1111	Uta	stansburiana	r	no		27	M/C	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715870	583070	4600
07/12/95	1318	Uta	stansburiana	r	no	3:D	15	cloudy	windy	4	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/15/95	1147	Uta	stansburiana	r	no		25	clear	breezy	4.5	T9S R4E SEC 33 NW NE SW	4716340	583025	4600
07/15/95	1157	Uta	stansburiana	b	no		25	clear	none	4.5	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	1155	Uta	stansburiana	b	no		25	clear	none	4.5	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	1157	Uta	stansburiana	b	no		25	clear	none	4.5	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	1245	Uta	stansburiana	r	no	5:G	31	clear	breezy	5	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
07/15/95	1200	Uta	stansburiana	b	no		25	clear	none	4.5	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	1124	Uta	stansburiana	b	no		29	clear	none	4.5	T9S R4E SEC 33 NW NE SW	4717780	583470	4460
07/15/95	1320	Uta	stansburiana	r	no	3:C	33	clear	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/15/95	826	Uta	stansburiana	r	no		21	clear	breezy	4	T10S R4E SEC 4 SW SW NE	4715130	583010	4620
07/15/95	1217	Uta	stansburiana	r	no		28	clear	calm	4	T9S R4E SEC 33 NW NE SW	4715840	583080	4600
07/18/95	1130	Uta	stansburiana	r	no		28	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715780	583080	4600
07/18/95	1135	Uta	stansburiana	r	no	4.5:C	31	clear	breezy	4.5	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/18/95	1107	Uta	stansburiana	r	no		26	clear	breezy	4.7	T10S R4E SEC 4 NE NW NE	4716870	582740	4460
07/18/95	1110	Uta	stansburiana	r	no		31	clear	breezy	4	T10S R4E SEC 4 NE NW NE	4716885	582740	4460
07/25/95	1036	Uta	stansburiana	m	no	8:D	20	clear	breezy	4.5	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
07/29/95	644	Uta	stansburiana	r	no	5.5:C	21	cloudy	windy	4	T10S R4E SEC 4 NE NW NE	4715850	583190	4600
07/29/95	643	Uta	stansburiana	r	no	5.5:B	21	cloudy	windy	5	T10S R4E SEC 4 NE NW NE	4715850	583190	4600
09/02/95	914	Uta	stansburiana	m	no	11:E	24	cloudy	none	2	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
09/02/95	830	Uta	stansburiana	r	no		23	cloudy	none	3.5	T10S R4E SEC 4 NW NE NE	4715760	583390	4600
09/05/95	1612	Uta	stansburiana	r	no	4:E	27	clear	breezy	3	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
09/12/95	815	Uta	stansburiana	r	no	4.5:E	16	clear	breezy	3	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
09/16/95	848	Uta	stansburiana	r	no	4.5:B	21	P/C	breezy	25	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
09/19/95	809	Uta	stansburiana	r	no	2:A	16	clear	breezy	2.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
09/23/95	1744	Uta	stansburiana	r	no	2:F	22	M/C	windy	3	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/28/95	2000	Uta	stansburiana	r	no	2:E	23	clear	breezy	4.5	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/03/95	1850	Uta	stansburiana	r	no		22	P/C	windy	5	T9S R4E SEC 33 SW NW SE	4716340	583020	4600
07/03/95	1848	Uta	stansburiana	r	no		22	P/C	windy	4.5	T9S R4E SEC33 SW NW SE	4716340	583020	4600
07/03/95	1829	Uta	stansburiana	r	no		22	P/C	windy	6	T10S R4E SEC 4 NE NW NE	4715950	583030	4600
Snakes														
05/18/95	1442	Coluber	constrictor	i	no		25	clear	breezy	55	T8S R1E SEC 11	4735540	560540	4160
06/10/95	1811	Coluber	constrictor	i	no		22	clear	breezy	45	T5S R4E SEC 22 SE SE NE	*		
06/12/95	1737	Coluber	constrictor	i	no		22	clear	breezy	90	T8S R1E SEC 20 NW NE NE	4374100	557420	4540
06/12/95	1737	Coluber	constrictor	i	no		22	clear	breezy	60	T8S R1E SEC 20 NW NE NE	4374140	557460	4540
06/20/95	1410	Coluber	constrictor	r	no		16	p/c	breezy	50	T14S R2W SEC 1 NW SE NW			
06/20/95	1647	Coluber	constrictor	b	no		14	m/c	breezy	75	T14S R2W SEC 1 NW SE NW			
06/20/95	1753	Coluber	constrictor	b	no		15	p/c	breezy		T14S R2W SEC 1 NW SE NW			
06/26/95	914	Coluber	constrictor	i	no		22	clear	none	60	T7S R5E SEC 19 SW NE NW	4735480	589260	2860
07/03/95	1812	Coluber	constrictor	r	68	6:A	23	P/C	windy	35	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
07/08/95	1103	Coluber	constrictor	r	no	4.5:C	27	M/C	breezy	30	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/08/95	1528	Coluber	constrictor	i	no		33	P/C	breezy	50	T8S R1E SEC 11 NE NW NW	4735540	560540	4160
07/09/95	1522	Coluber	constrictor	i	no		29	M/C	breezy	55	T9S R6W SEC12 NW NE NW			
07/12/95	1138	Coluber	constrictor	b	no	23:E	21	clear	windy	60	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
07/23/95	1132	Coluber	constrictor	i	no		22	clear	breezy	70	T5S R1W SEC 1 NE NE NE			
09/12/95	952	Coluber	constrictor	i	no		23	clear	breezy	40	T10S R5E SEC 18 SE SW SW	4711150	589860	4780
05/18/95	1644	Crotalus	viridis	i	no		25	clear	breezy	40	T6S R4E SEC 13	4750520	588080	2620
05/18/95	1721	Crotalus	viridis	i	no		25	clear	breezy	50	T6S R5E SEC 7	4723620	589745	3900
05/20/95	1000	Crotalus	viridis	r	no		15	clear	breezy		T10S R4E SEC 4 NE NW NE	4715680	583130	4520
05/21/95	914	Crotalus	viridis	r	no		22	p/c	breezy	75	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/22/95	1808	Crotalus	viridis	r	5	2:F	23	m/c	breezy	50	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/22/95	1107	Crotalus	viridis	r	4		15	P/C	windy	60	T10S R4E SEC 4 SW NE NE	4715680	583130	4520
05/28/95	1959	Crotalus	viridis	r	13	2:H	23	clear	breezy	50	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/30/95	1154	Crotalus	viridis	m	no		27	clear	breezy	50	T10S R4E SEC 4 SW NW NE	4715620	583020	4400
05/30/95	1225	Crotalus	viridis	r	no		27	clear	breezy	45	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
05/30/95	1203	Crotalus	viridis	r	no		27	clear	breezy	30	T10S R4E SEC 4 NE NW NE	4715730	583130	4520
06/08/95	1030	Crotalus	viridis	r	no		19	cloudy	breezy	36	T10S R4E SEC 4 NE NW NE	4715710	583090	4590
06/13/95	956	Crotalus	viridis	r	32		25	clear	breezy	105	T10S R4E SEC 4 NE NW NE	4715680	583080	4480

06/14/95	1800	Crotalus	viridis	r	40		23	cloudy	windy	85	T10S R4E SEC 4 NE NW NE	4715840	583060	4600
06/14/95	1236	Crotalus	viridis	r	no		23	cloudy	breezy	40	T9S R4E SEC 33 SW NW NE	4717190	582920	4560
06/14/95	1729	Crotalus	viridis	r	39	6:C	21	cloudy	windy	61	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
06/14/95	1910	Crotalus	viridis	r	43		22	cloudy	wndy	50	T10S R4E SEC 4 NE NW NE	4715770	583050	4600
06/14/95	1103	Crotalus	viridis	r	38		21	cloudy	breezy	60	T9S R4E SEC 33 SE SW NE	4717090	583050	4570
06/14/95	1810	Crotalus	viridis	r	41		21	cloudy	windy	50	T10S R4E SEC 4 NE NW NE	4715790	583060	4600
06/15/95	1111	Crotalus	viridis	i	no		23	cloudy	breezy	60	3/4 mile S. of Rattlesnake Gulch Hwy 51	4756940	600800	2580
06/19/95	1145	Crotalus	viridis	r	no		22	clear	none	55	T10S R4E SEC 4 NE NW NE	4715770	583180	4600
06/20/95	1711	Crotalus	viridis	r	no		18	m/c	breezy	75	T14S R2W SEC 1 NW SE NW			
06/21/95	1630	Crotalus	viridis	r	40		22	clo	windy	85	T10S R4E SEC 4 NE NW NE	4715880	583050	4600
06/24/95	2100	Crotalus	viridis	i	no		28	clear	breezy	60	T9S R5E SEC 30 NW NE NE	4716480	589420	4800
06/24/95	958	Crotalus	viridis	m	50		27	clear	none	45	T10S R4E SEC 4 NW NW NE	4715720	582970	4400
06/27/95	940	Crotalus	viridis	r	52		17	clear	calm	45	T10S R4E SEC 4 NE NW NE	4715680	583080	4480
06/27/95	1822	Crotalus	viridis	r	53		26	p/c	breezy	80	T10S R4E SEC 4 NE NW NE	4716060	583040	4600
06/28/95	1255	Crotalus	viridis	r	55		26	clear	breezy	50	T10S R4E SEC 4 NE NW NE	4715680	583080	4480
06/29/95	1030	Crotalus	viridis	i	no		23	clear	breezy		T8S R4E SEC 26 SE SW NW	4732040	583540	3280
07/01/95	1950	Crotalus	viridis	r	40		26	P/C	breezy	65	T10S R4E SEC 4 NE NW NE	4715940	583040	4600
07/02/95	934	Crotalus	viridis	r	53		21	M/S	windy	80	T10S R4E SEC 4 NE NW NE	4715985	583040	4600
07/03/95	1345	Crotalus	viridis	i	no		22	P/C	windy	45	T8S R3E SEC 14 SE NW SW	4739470	587140	2700
07/05/95	2211	Crotalus	viridis	r	40		20	Clear	breezy	85	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
07/05/95	2039	Crotalus	viridis	r	41	4,5:E	26	P/C	breezy	50	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/08/95	1112	Crotalus	viridis	r	40	5:B	27	M/C	breezy	85	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
07/12/95	853	Crotalus	viridis	i	no		18	clear	windy	45	T6S R6E SEC 18 NE NW NE	4750620	598960	2880
07/15/95	1205	Crotalus	viridis	r	39		28	clear	breezy	61	T9S R4E SEC 33 NW NE SW	4715840	583050	4600
07/15/95	1320	Crotalus	viridis	r	86	3:B	33	clear	breezy	55	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/18/95	1000	Crotalus	viridis	b	89	14:B	28	p/c	breezy	57	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
09/09/95	1200	Crotalus	viridis	r	no		17	clear	breezy	35	T9S R4E SEC 33 SW SW NE	4716700	583720	4580
05/21/95	820	Hypsiglena	torquata	r	6	4:A	18	P/C	None	35	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/27/95	1121	Hypsiglena	torquata	r	8	4:A	18	clear	breezy	30	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
06/01/95	2046	Hypsiglena	torquata	b	no	13:C	26	clear	breezy		T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/01/95	1658	Hypsiglena	torquata	r	17	5:F	22	m/c	breezy	60	T10S R4E SEC 4 NE NW NE	4715770	583070	4600
07/03/95	1147	Hypsiglena	torquata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Hypsiglena	torquata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
06/15/95	830	Hypsiglena	torquata	m	45	11:E	16	cloudy	breezy	30	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/27/95	1250	Hypsiglena	torquata	b	no	17:F	29	clear	breezy	30	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/03/95	1319	Hypsiglena	torquata	i	no		22	P/C	windy	20	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
09/23/95	1842	Hypsiglena	torquata	r	no	4.5:D	22	M/C	none	35	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
09/26/95	900	Hypsiglena	torquata	r	no	4.5:A	20	cloudy	none	25	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
05/18/95	1558	Masticophis	taeniatus	i	no		25	clear	breezy	45	T6S R3E SEC 15	4749630	575450	2690
05/19/95	1030	Masticophis	taeniatus	r	no		19	clear	breezy	120	T10S R4E SEC4	4714310	582480	4640
05/21/95	1923	Masticophis	taeniatus	r	3	4:C	20	P/C	breezy	135	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
05/27/95	1209	Masticophis	taeniatus	m	9	8:F	19	clear	breezy	90	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
05/27/95	1242	Masticophis	taeniatus	m	12	11:F	20	clear	breezy	45	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
06/01/95	1712	Masticophis	taeniatus	i	no		17	m/c	breezy	90	T9S R5E SEC 1 NW NW NW	4719540	589680	4340
06/05/95	1847	Masticophis	taeniatus	r	23	7:E	8	cloudy	breezy	120	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
06/06/95	1356	Masticophis	taeniatus	i	no		13	cloudy	breezy	105	3E 8S s23 NE NW NW	4730460	576300	3656
06/10/95	2133	Masticophis	taeniatus	r	28	18:G	14	clear	windy	90	T10S R4E SEC 4 SW SW NE	4715170	582920	4620
06/13/95	938	Masticophis	taeniatus	r	3	6:B	23	clear	breezy	135	T10S R4E SEC 4 NE NW NE	4715840	583060	4600
06/14/95	1728	Masticophis	taeniatus	r	3	6:C	21	cloudy	windy	135	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
06/18/95	1004	Masticophis	taeniatus	r	no		15	cloudy	breezy	90	T10S R4E SEC 4 NE NW NE	4715940	583040	4600
06/24/95	1230	Masticophis	taeniatus	r	no		31	clear	breezy	135	T10S R4E SEC 4 SE NE NE	4715670	583120	4520
06/26/95	935	Masticophis	taeniatus	i	no		22	clear	none	50	T7S R5E SEC 31 NW NW NW	4722010	590120	4040
06/26/95	936	Masticophis	taeniatus	i	no		22	clear	none	55	T7S R5E SEC 31 NW NW NW	4722010	590120	4040
06/26/95	1242	Masticophis	taeniatus	r	51	4:A	34	clear	breezy	75	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
06/27/95	1852	Masticophis	taeniatus	r	54	7:E	25	clear	breezy	70	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
06/28/95	1226	Masticophis	taeniatus	r	54	7:B	21	clear	breezy	70	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
07/01/95	1839	Masticophis	taeniatus	r	60	2:F	25	P/C	breezy	60	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/01/95	1912	Masticophis	taeniatus	r	63	4.5:E	25	P/C	none	90	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
07/02/95	1303	Masticophis	taeniatus	b	no		30	M/C	windy	90	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
07/02/95	1025	Masticophis	taeniatus	b	no	23:H	26	P/C	breezy	85	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
07/03/95	1147	Masticophis	taeniatus	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1750	Masticophis	taeniatus	r	67	4:D	20	P/C	windy	80	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
07/03/95	1735	Masticophis	taeniatus	r	60	2:H	21	P/C	windy	60	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/03/95	1441	Masticophis	taeniatus	i	no		22	P/C	windy	60	T7S R4E SEC 22 NE SE SE	4739620	587240	2700
07/08/95	1046	Masticophis	taeniatus	r	72	2:E	27	M/C	breezy	90	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/08/95	1302	Masticophis	taeniatus	r	28	19:D	32	clear	none	90	T10S R4E SEC 4 SW SW NE	4715130	582990	4620
07/08/95	1026	Masticophis	taeniatus	r	no	20:D	27	P/C	breezy	45	T10S R4E SEC 4 NE SW SE	4716630	582550	4090
07/12/95	1156	Masticophis	taeniatus	b	no	22:A	23	clear	windy	75	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	830	Masticophis	taeniatus	r	28	19:A	21	clear	breezy	90	T10S R4E SEC 4 SW SW NE	4715130	582990	4620
07/15/95	1320	Masticophis	taeniatus	r	85	3:D	33	clear	breezy	50	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/18/95	1120	Masticophis	taeniatus	r	91	7:A	29	clear	breezy	69	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
07/18/95	1145	Masticophis	taeniatus	r	92	2:D	31	clear	breezy	45	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
07/21/95	1712	Masticophis	taeniatus	r	25	1:G	17	cloudy	breezy	100	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
07/23/95	1051	Masticophis	taeniatus	i	no		22	clear	breezy	75	T3S R1W SEC18 NE SW SW	4778360	540000	3280
07/23/95	1041	Masticophis	taeniatus	i	no		20	clear	breezy	60	T1S R2W SEC34 SE SW SW			
07/25/95	820	Masticophis	taeniatus	r	25	1:A	18	clear	none	100	T10S R4E SEC 4 SE NE NE	4715740	583460	4610
09/05/95	1605	Masticophis	taeniatus	r	101	2:C	27	clear	none	135	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
09/12/95	815	Masticophis	taeniatus	r	104	4.5:E	18	clear	breezy	30	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
09/16/95	900	Masticophis	taeniatus	r	63	7:B	22	P/C	windy	90	T10S R4E SEC 4 NE NW NE	4715910	583040	4600
09/19/95	845	Masticophis	taeniatus	m	no	11:A	18	clear	breezy	30	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
09/19/95	809	Masticophis	taeniatus	r	no		16	clear	breezy		T10S R4E SEC 4 SE NE NE	4715735	583460	4610
09/23/95	1815	Masticophis	taeniatus	r	55		22	M/C	none	50	T10S R4E SEC 4 NE NW NE	4715750	583120	4590
09/23/95	1755	Masticophis	taeniatus	r	no	4:B	22	M/C	windy	60	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
09/23/95	1842	Masticophis	taeniatus	r	no		20	M/C	none	120	T10S R4E SEC 4 NE NW NE	4715750	583120	4590
05/18/95	1600	Pituophis	catenifer	i	no		25	clear	breezy	120	T6S R3E SEC 10	4752750	575450	2580
05/18/95	1522	Pituophis	catenifer	i	no		25	clear	breezy	70	T8S R1E SEC 2	4374120	557440	4540
05/18/95	1607	Pituophis	catenifer	i	no		25	clear	breezy	150	T6S R3E SEC 3	4754620	575450	2540
05/18/95	1609	Pituophis	catenifer	i	no		25	clear	breezy	120	T5S R3E SEC 34	4756330	575450	2480
05/18/95	1524	Pituophis	catenifer	i	no		25	clear	breezy		T8S R1E SEC 2	4735560	560540	4160
05/18/95	1535	Pituophis	catenifer	i	no		25	clear	breezy	60	T2E R7S SEC 21	4738500	563130	3780
05/18/95	1600	Pituophis	catenifer	i	no		25	clear	breezy	120	T6S R3E SEC 10	4751290	575450	2605
05/18/95	1605	Pituophis	catenifer	i	no		25	clear	breezy	140	T6S R3E SEC 3	4754620	575450	2540
05/18/95	1645	Pituophis	catenifer	i	no		25	clear	breezy	60	T6S R5E SEC18	4750140	588880	2620

05/19/95	1156	Pituophis	catenifer	m	1		19	clear	none	90	T10S R4E SEC 9	4715670	582970	4400
05/20/95	1252	Pituophis	catenifer	i	no		25	clear	breezy	40	T9S R5E SEC 19 NW SW SW	4717960	589380	4500
05/25/95	1208	Pituophis	catenifer	r	7	2:F	19	p/c	breezy	120	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
05/25/95	1130	Pituophis	catenifer	i	no		19	p/c	breezy	40	T5S R6E SEC 4 NW SE NW	4753920	601920	2500
05/25/95	1145	Pituophis	catenifer	i	no		19	p/c	breezy	100	T7S R5E SEC 5 SW SW NE	4711380	587780	4900
05/27/95	950	Pituophis	catenifer	i	no		15	clear	none	60	T5S R6E SEC 4 NW SE NW	4753920	601920	2500
05/27/95	1238	Pituophis	catenifer	m	11	11:E	20	clear	breezy	90	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
05/27/95	950	Pituophis	catenifer	i	no		15	clear	none	75	T5S R6E SEC 4 NW SE NW	4753920	601920	2500
05/27/95	1221	Pituophis	catenifer	m	10	9:C	19	clear	breezy	85	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
06/01/95	2051	Pituophis	catenifer	b	24	13:F	19	cloudy	breezy	60	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/01/95	1905	Pituophis	catenifer	r	no	6:G	20	m/c	breezy	30	T10S R4E SEC 4 NE NW NE	4715840	583050	4600
06/01/95	2053	Pituophis	catenifer	b	no	13:H	19	cloudy	breezy	90	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/01/95	1808	Pituophis	catenifer	r	15	2:G	22	m/c	breezy	90	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/01/95	2010	Pituophis	catenifer	b	19	14:F	21	cloudy	breezy	90	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
06/01/95	2101	Pituophis	catenifer	b	no	17:G	19	cloudy	breezy	60	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
06/01/95	1824	Pituophis	catenifer	r	16	3.5:D	20	m/c	breezy	75	T10S R4E SEC 4 NW NE NE	4715730	583260	4590
06/01/95	2023	Pituophis	catenifer	b	no	16:F	20	cloudy	breezy	75	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/01/95	2010	Pituophis	catenifer	b	18		21	cloudy	breezy	75	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
06/05/95	1620	Pituophis	catenifer	i	no		12	cloudy	windy	135	T7S R5E SEC 5 NW NE NE	4739880	589380	2662
06/06/95	905	Pituophis	catenifer	i	no		12	m/c	windy	45	T9S R4E SEC 8 SE NE SE	4724720	589830	3680
06/06/95	1743	Pituophis	catenifer	i	no		15	cloudy	breezy	35	T8S R5E SEC 19 SE SW NE	4739880	589380	2662
06/06/95	1743	Pituophis	catenifer	i	no		15	cloudy	breezy	120	T8S R5E SEC 19 SE SW NE	4739880	589380	2662
06/10/95	1820	Pituophis	catenifer	i	no		20	clear	breezy	45	T5S R3E SEC 28 SE SE SE	4759910	574230	2365
06/10/95	2117	Pituophis	catenifer	r	27	2:F	15	clear	windy	105	T10S R4E SEC 4 NW NE NE	4715760	583350	4600
06/10/95	1940	Pituophis	catenifer	i	no		17	clear	breezy	90	T7S R3E SEC12 NE NE NE	4724130	589660	3800
06/10/95	1910	Pituophis	catenifer	i	no		17	clear	windy	75	T6S R3E SEC 34 SW SE SW	4744560	574310	2887
06/10/95	1832	Pituophis	catenifer	i	no		20	clear	breezy	60	T5S R3E SEC 34 SE SE SE			
06/10/95	1943	Pituophis	catenifer	i	no		17	clear	breezy	75	T7S R3E SEC12 NE NE NE	4723620	589745	3900
06/10/95	1850	Pituophis	catenifer	i	no		20	clear	breezy	35	T5S R3E SEC 34 SE SE SE	4758360	574960	2420
06/11/95	1037	Pituophis	catenifer	b	15	16:B	25	clear	none	90	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/11/95	1130	Pituophis	catenifer	m	31		25	clear	none	75	T10S R4E SEC 9	4715770	582970	4400
06/14/95	1835	Pituophis	catenifer	r	42		23	m/c	breezy	33	T10S R4E SEC 4 NE NW NE	4715680	583130	4520
06/14/95	1038	Pituophis	catenifer	r	37		21	cloudy	breezy	60	T9S R4E SEC 33 NE NW SE	4716700	583680	4580
06/15/95	853	Pituophis	catenifer	b	15	16:D	17	cloudy	breezy	90	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/15/95	817	Pituophis	catenifer	m	44	9:F	17	cloudy	none	90	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
06/18/95	1915	Pituophis	catenifer	i	no		12	cloudy	breezy	25	T10S R5E SEC 19 SE NW NW	4711150	589060	4780
06/19/95	1408	Pituophis	catenifer	i	no		20	p/c	breezy	45	T7S R5E SEC 30 NE NW NW	4739160	589130	2700
06/20/95	1936	Pituophis	catenifer	i	no		16	cloudy	breezy	120	T14S R2E SEC 8 NE SE NE	4711150	589660	4780
06/24/95	2045	Pituophis	catenifer	i	no		27	clear	breezy	90	T9S R5E SEC 6 NE NE SE	4724720	589380	3680
06/24/95	2030	Pituophis	catenifer	i	no		31	clear	breezy	90	T8S R5E SEC 27 SW SW SW	4747020	594280	2730
06/26/95	828	Pituophis	catenifer	i	no		18	clear	none	45	11 mile S. of I-84 on Simco Rd.			
06/28/95	1827	Pituophis	catenifer	b	56	14:C	22	clear	breezy	45	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
06/29/95	908	Pituophis	catenifer	i	no		17	clear	breezy	65	T10S R5E SEC 19 SE NW NW	4711150	589240	4780
07/01/95	1648	Pituophis	catenifer	i	no		26	M/C	breezy	75	T9S R5E SEC 1 SW SW SW	4711080	590550	4750
07/01/95	1848	Pituophis	catenifer	r	61	3:B	25	P/C	breezy	80	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
07/01/95	1903	Pituophis	catenifer	r	62	4:H	25	P/C	none	75	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
07/01/95	1637	Pituophis	catenifer	i	no		26	M/C	breezy	75	T9S R5E SEC 6 NE NE NE	4724720	589830	3680
07/02/95	1022	Pituophis	catenifer	b	no	22:D	26	P/C	windy	70	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/02/95	1050	Pituophis	catenifer	b	64		25	M/C	breezy	65	T9S R4E SEC 33 SW NE SW	4717890	583360	4460
07/03/95	1739	Pituophis	catenifer	r	66	2:C	21	P/C	windy	65	T10S R4E SEC 4 NW NE NE	4715780	583350	4600
07/03/95	1624	Pituophis	catenifer	i	no		21	P/C	windy	40	T7S R4E SEC 22 NE SE SE	4711700	587030	4860
07/05/95	2030	Pituophis	catenifer	r	62		27	P/C	breezy	75	T10S R4E SEC 4 NW NE NE	4715730	583260	4590
07/06/95	907	Pituophis	catenifer	i	no		25	clear	none	55	T10S R4E SEC 16 SE NW SE	4711720	586880	4960
07/08/95	1241	Pituophis	catenifer	m	no	11:E	32	clear	breezy	50	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
07/08/95	917	Pituophis	catenifer	i	no		23	P/C	breezy	45	T6S R6E SEC 18 NE NW NE	4752720	600380	2600
07/12/95	1144	Pituophis	catenifer	b	75		22	clear	windy	95	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	910	Pituophis	catenifer	m	80	9:D	24	clear	none	40	T10S R4E SEC 4 SW NW NE	4715520	582970	4420
07/15/95	1010	Pituophis	catenifer	b	83	17:B	25	clear	none	98	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/15/95	1035	Pituophis	catenifer	b	84	23:G	27	clear	none	76	T9S R4E SEC 33 SW NE SW	4717780	583380	4460
07/18/95	800	Pituophis	catenifer	i	no		18	p/c	breezy	72	T10S R5E SEC 18 SW SW SE	4711150	589860	4780
07/18/95	745	Pituophis	catenifer	i	no		17	p/c	breezy	80	T9S R5E SEC 31 NE NW NE			
07/18/95	1015	Pituophis	catenifer	b	90	17:A	30	p/c	breezy	85	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/18/95	921	Pituophis	catenifer	m	80	8:E	25	p/c	breezy	40	T10S R4E SEC 4 SW NW NE	4715620	582970	4400
07/21/95	1951	Pituophis	catenifer	m	no	11:F	20	cloudy	breezy	30	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
07/23/95	1954	Pituophis	catenifer	i	no		22	P/C	breezy	105	T9S R6W SEC36 NE SW NE			
07/23/95	2005	Pituophis	catenifer	i	no		22	P/C	breezy	90	T10S R5W SEC18 NW NW NW	4738960	564280	3660
07/25/95	1008	Pituophis	catenifer	b	19	15:B	27	clear	none	90	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/29/95	810	Pituophis	catenifer	m	no	11:B	25	cloudy	none	75	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
08/29/95	714	Pituophis	catenifer	i	no		14	clear	none	60	T6S R6E SEC 18 NE NW NE	4747940	595160	2490
08/29/95	1000	Pituophis	catenifer	i	no		21	clear	breezy	75	T10S R4E SEC 15 SE SE NW	4711200	588130	4870
09/02/95	840	Pituophis	catenifer	r	103	4:A	24	cloudy	none	90	T10S R4E SEC 4 NW NE NE	4715770	583180	4600
09/09/95	853	Pituophis	catenifer	r	no	4.5:B	17	clear	breezy	45	T10S R4E SEC 4 NE NW NE	4715740	583120	4590
09/12/95	849	Pituophis	catenifer	m	11	11:D	17	clear	none	90	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
09/16/95	1003	Pituophis	catenifer	b	no	16:B	23	cloudy	breezy	70	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
09/23/95	1918	Pituophis	catenifer	m	19	11:D	18	M/C	none	90	T10S R4E SEC 4 SW NW NE	4715700	582870	4380
09/23/95	1749	Pituophis	catenifer	r	no	3:G	22	M/C	windy	25	T10S R4E SEC 4 NW NE NE	4715790	583260	4600
05/21/95	1817	Pituophis	catenifer	r	2		23	P/C	Breezy	75	T10S R4E SEC 4 NW NE NE	4715680	583350	4580
06/18/95	1851	Rhinocheilus	lecontei	i	no		12	cloudy	windy	45	T8S R5E SEC 18 NW NW NE	4724720	590830	3680
07/03/95	1311	Sonora	semiannulata	i	no		22	P/C	windy	30	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1300	Sonora	semiannulata	i	no		22	P/C	windy	15	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1252	Sonora	semiannulata	i	no		23	M/C	breezy	15	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1218	Sonora	semiannulata	i	no		23	M/C	breezy	25	T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656
07/03/95	1147	Sonora	semiannulata	i	no		21	cloudy	breezy		T8S R3E SEC 14 SE NW SW	4730460	576300	3656

05/17/95	1423	Thamnophis	elegans	b	no		25	clear	breezy	50	T10S R4E SEC 18	4712610	578990	4200
06/30/95	1048	Thamnophis	elegans	b	14	16:C	25	clear	breezy	40	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/01/95	2036	Thamnophis	elegans	b	22	16:D	20	cloudy	breezy	60	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/01/95	2015	Thamnophis	elegans	b	no	15:G	20	cloudy	none	75	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/01/95	2026	Thamnophis	elegans	b	20	16:C	20	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/01/95	2031	Thamnophis	elegans	b	21	16:H	20	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/08/95	1209	Thamnophis	elegans	b	no		17	cloudy	breezy	40	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/08/95	1200	Thamnophis	elegans	b	no		19	cloudy	breezy	20	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/11/95	1033	Thamnophis	elegans	b	29	15:G	26	clear	none	45	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/11/95	1051	Thamnophis	elegans	b	30		23	clear	none	45	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/13/95	1048	Thamnophis	elegans	b	35	17:C	25	clear	breezy	45	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
06/13/95	1048	Thamnophis	elegans	b	no	17:C	25	clear	breezy	25	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
06/13/95	1041	Thamnophis	elegans	b	29	16:B	26	clear	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/13/95	1039	Thamnophis	elegans	b	34	16:G	26	clear	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/13/95	1033	Thamnophis	elegans	b	33	15:B	26	clear	breezy	45	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/15/95	920	Thamnophis	elegans	b	46	13:F	17	cloudy	breezy	51	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/15/95	920	Thamnophis	elegans	b	47	13:B	17	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
06/18/95	1030	Thamnophis	elegans	b	no	15:A	17	cloudy	breezy	24	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/18/95	1037	Thamnophis	elegans	b	29	16:D	26	clear	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/20/95	1024	Thamnophis	elegans	i	no		16	m/c	breezy	25	T14S R3E SEC 16 SW SW SE			
06/20/95	1500	Thamnophis	elegans	b	no		16	p/c	breezy	45	T14S R2W SEC 1 NW SE NW			
06/24/95	1047	Thamnophis	elegans	b	49	15:F	28	clear	breezy	35	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/24/95	1030	Thamnophis	elegans	b	22	14:D	28	clear	none	60	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
06/24/95	1026	Thamnophis	elegans	b	48	16:H	28	clear	none	35	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
06/26/95	1851	Thamnophis	elegans	b	no	15:C	28	clo	breezy	25	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
06/28/95	1849	Thamnophis	elegans	b	57	16:B	24	clear	breezy	55	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/02/95	1342	Thamnophis	elegans	b	no		29	M/C	breezy	40	T9S R4E SEC 33 NW NE NW	4716540	582620	4100
07/02/95	1438	Thamnophis	elegans	b	no	16:E	30	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/02/95	1437	Thamnophis	elegans	b	no	16:B	30	clear	breezy	30	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/02/95	1446	Thamnophis	elegans	b	65	15:D	29	cloudy	breezy	40	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/04/95	918	Thamnophis	elegans	b	71	17:B	16	clear	breezy	40	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/04/95	911	Thamnophis	elegans	b	70	16:A	16	clear	breezy	50	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/04/95	904	Thamnophis	elegans	b	69	14:H	15	clear	breezy	60	T9S R4E SEC 33 SE SE SW	4716040	582680	4100
07/05/95	1424	Thamnophis	elegans	b	no		26	Clear	breezy	45	T11SR1E SEC 15 NE NE SW	4702400	655530	5700
07/05/95	2130	Thamnophis	elegans	b	no	16:C	23	Clear	breezy	35	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/05/95	1254	Thamnophis	elegans	b	no		27	Clear	breezy	30	T11S R1E SEC 15 NE NE NW	4702520	655480	5700
07/05/95	1241	Thamnophis	elegans	b	no		26	Clear	breezy	30	T11S R1E SEC 15 NE NE NW	4702570	655560	5700
07/08/95	1545	Thamnophis	elegans	i	no		32	P/C	windy	30	T8S R1E SEC30 SW NE NE	4727010	590010	6040
07/08/95	1148	Thamnophis	elegans	b	no	23:C	30	clear	breezy	30	T9S R4E SEC 33 SW NE SW	4717780	583360	4460
07/08/95	1200	Thamnophis	elegans	b	no	22:D	31	clear	breezy	35	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/08/95	1200	Thamnophis	elegans	b	73	22:D	31	clear	breezy	50	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/08/95	1201	Thamnophis	elegans	b	74	24:A	32	clear	breezy	60	T9S R4E SEC 33 SW NE SW	4717890	583360	4460
07/08/95	1218	Thamnophis	elegans	b	no	17:C	32	clear	breezy	30	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/08/95	1205	Thamnophis	elegans	b	no	23:H	32	clear	breezy	40	T9S R4E SEC 33 SW NE SW	4717780	583360	4460
07/12/95	1154	Thamnophis	elegans	b	76	22:C	23	clear	breezy	50	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/15/95	1000	Thamnophis	elegans	b	82	16:A	22	clear	none	42	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/15/95	1005	Thamnophis	elegans	b	no	13:D	21	clear	none	35	T9S R4E SEC 33 SE SE SW	4716090	582710	4160
07/15/95	945	Thamnophis	elegans	b	81	15:A	26	clear	none	50	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/18/95	1010	Thamnophis	elegans	b	46	16:B	28	p/c	breezy	51	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/18/95	1030	Thamnophis	elegans	b	no	23:F	31	p/c	breezy	38	T9S R4E SEC 33 SW NE SW	4717780	583360	4460
07/18/95	945	Thamnophis	elegans	b	87	15:B	26	p/c	breezy	43	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/18/95	950	Thamnophis	elegans	b	88	15:D	26	p/c	breezy	39	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/18/95	945	Thamnophis	elegans	b	82	15:B	26	p/c	breezy	42	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/18/95	1030	Thamnophis	elegans	b	no	23:H	33	p/c	breezy	55	T9S R4E SEC 33 SW NE SW	4717780	583360	4460
07/15/95	1040	Thamnophis	elegans	b	no	22:C	27	clear	breezy	25	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/21/95	1858	Thamnophis	elegans	b	21	22:H	19	cloudy	none	45	T9S R4E SEC 33 NW NE SW	4716500	582550	4090
07/21/95	1924	Thamnophis	elegans	b	65	16:A	20	cloudy	none	40	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/21/95	1921	Thamnophis	elegans	b	46	16:C	19	cloudy	none	51	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/21/95	1849	Thamnophis	elegans	b	76	23:G	17	cloudy	none	50	T9S R4E SEC 33 SW NE SW	4717780	583360	4460
07/25/95	955	Thamnophis	elegans	b	no		27	clear	none	50	T9S R4E SEC 33 NW SE SW	4716450	582620	4100
07/29/95	740	Thamnophis	elegans	b	no	16:C	23	cloudy	breezy	25	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
07/29/95	748	Thamnophis	elegans	b	no	15:B	23	cloudy	breezy	55	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/29/95	730	Thamnophis	elegans	b	no	17:C	23	cloudy	breezy	40	T9S R4E SEC 33 SW SE SW	4716120	582620	4100
07/29/95	748	Thamnophis	elegans	b	29	15:B	23	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/29/95	748	Thamnophis	elegans	b	no	15:C	23	cloudy	breezy	30	T9S R4E SEC 33 SE SE SW	4716040	582675	4100
07/29/95	742	Thamnophis	elegans	b	no	16:H	23	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
09/05/95	1651	Thamnophis	elegans	b	102	16:C	25	clear	none	30	T9S R4E SEC 33 SE SE SW	4716110	582680	4100
09/16/95	1003	Thamnophis	elegans	b	no	16:C	23	cloudy	breezy	45	T9S R4E SEC 33 SE SE SW	4716110	582680	4100