

The Resources Agency
California Department of Fish
and Game
Nongame Wildlife Investigations

TEHAMA COUNTY S.C.S.L.E.M. STUDY

SCENT POST SURVEY

September 24-28, 1974

Bill Childs
Seasonal Aid

TEHAMA COUNTY S.C.S.L.E.M. STUDY
SCENT POST SURVEY

The State of California, Department of Food and Agriculture is conducting a program, in Tehama county, to determine the effectiveness of the SCSLEM (Sodium Cyanide Spring Loaded-Ejection Mechanism), with other established control methods, in the reduction of livestock losses.

The California Department of Fish and Game is conducting a census, in conjunction with this program, to determine the impact of the SCSLEM on the coyote and non-target animal populations. This census will be done in three different 14 day periods, in September, February, and May. Use of the SCSLEM will begin after the September census period and will continue through the May census.

The method used for this census is similar to that used by the Fish and Wildlife Service, with a few necessary modifications. A three foot circle of sifted earth is formed, in the center of which is placed a two inch square wool pad containing an attractent. Scent posts were established at most favorable sites rather than by the random sample used by U. S. Fish and Wildlife Service. These scent stations are located strategically on or near animal trails and other areas of frequent wildlife use. Past experience of the local county trappers was utilized in deciding these locations. There were 15 scent post locations allotted to each of the four study areas, and the attractent used was the same for each area. Each station was checked for five consecutive days and the visits of the night before recorded. No tracks, found outside of the circle of sifted earth, were used as data, and except where the tracks were definitely known to be that of two animals (adult and pup), the tracks of each species was recorded as one visit for that night. All of the other data, (tracks outside circle, scats, live sightings) was recorded as field notes and included herein as only supplementary data.

TEHAMA COUNTY S.C.S.L.E.M. STUDY CENSUS
SCENT POST SUMMARY
September 24-28, 1974

AREA "A"

TOTAL SCENT NIGHTS = 75^{1/}
TOTAL ANIMAL VISITS = 35^{2/}
SCENT NIGHTS PER ANIMAL VISIT = 2.14^{3/}

SPECIES	TOTAL VISITS	SCENT NIGHTS PER VISIT
COYOTE	4	18.75
BOBCAT	2	37.50
GREY FOX	1	75.00
RACCOON	0	00.00
DEER	4	18.75
RABBIT	2	37.50
OTHER	22	3.40

OTHER INCLUDES:

1 - BIRD
1 - SKUNK
1 - BURRO
12 - COWS
2 - FERAL CAT
3 - KANGAROO RAT
1 - GROUND SQUIRREL
1 - SNAKE

^{1/} Fifteen stations times 5 scent post observations
^{2/} Animal visits over 5 nights
^{3/} Total scent nights dividing by animal visits

TEHAMA COUNTY S.C.L.E.M. STUDY CENSUS
SCENT POST SUMMARY

AREA "B"

TOTAL SCENT NIGHTS = 75
TOTAL SCENT VISITS = 46
SCENT NIGHTS PER ANIMAL VISIT = 1.63

SPECIES	TOTAL VISITS	SCENT NIGHTS PER VISIT
COYOTE	2	37.50
BOBCAT	2	37.50
GREY FOX	2	37.50
RACCOON	2	37.50
DEER	8	9.37
RABBIT	13	5.76
OTHER	17	4.41

OTHER INCLUDES:

2 - GROUND SQUIRREL
5 - BIRD
11 - KANGAROO RAT

TEHAMA COUNTY S.C.S.L.E.M. STUDY CENSUS
SCENT POST SUMMARY

AREA "C"

TOTAL SCENT NIGHTS = 75
TOTAL SCENT VISITS = 34
SCENT NIGHTS PER ANIMAL VISIT = 2.20

SPECIES	TOTAL VISITS	SCENT NIGHTS PER VISIT
COYOTE	8	0.00
BOBCAT	6	12.50
GREY FOX	0	0.00
RACCOON	9	8.33
DEER	7	10.70
RABBIT	3	25.00
OTHER	9	8.33

OTHER INCLUDES:

3 - GROUND SQUIRREL
2 - BIRD
1 - SNAKE
2 - FERAL CAT
1 - PORCUPINE
2 - KANGAROO RAT

TEHAMA COUNTY S.C.S.L.E.M. STUDY CENSUS
SCENT POST STUDY

AREA "D"

TOTAL SCENT NIGHTS = 75
TOTAL SCENT VISITS = 60
SCENT NIGHTS PER ANIMAL VISIT = 1.25

SPECIES	TOTAL VISITS	SCENT NIGHTS PER VISIT
COYOTE	15	5.00
BOBCAT	0	0.00
GREY FOX	0	0.00
RACCOON	1	75.00
DEER	1	75.00
RABBIT	9	8.33
OTHER	34	2.20

OTHER INCLUDES:

1 - BURRO
1 - COW
20 - KANGAROO RAT
2 - BIRD
5 - SKUNK
2 - FERAL CAT
2 - LIZARD

TERAMA COUNTY S.C.S.L.E.M. STUDY CENSUS

STUDY AREA MILEAGE

AREA " A "		AREA " B "		AREA " C "		AREA " D "	
STATION	MILEAGE	STATION	MILEAGE	STATION	MILEAGE	STATION	MILEAGE
1	1.0	16	1.9	31	1.0	46	1.1
2	.6	17	.4	32	.4	47	.9
3	.1	18	.8	33	.2	48	.5
4	.3	19	.6	34	.6	49	.7
5	2.1	20	.5	35	.7	50	.4
6	2.0	21	.2	36	.9	51	.5
7	.2	22	.1	37	.1	52	1.0
8	.1	23	.3	38	.5	53	.3
9	.9	24	.2	39	.3	54	.2
10	.1	25	.7	40	1.4	55	.9
11	1.3	26	.4	41	.3	56	.3
12	.8	27	.4	42	2.7	57	1.7
13	.2	28	.5	43	.6	58	2.5
14	.1	29	.2	44	1.0	59	.1
15	.1	30	.2	45	.9	60	.5
FINISH	1.8	FINISH	1.5	FINISH	1.6	FINISH	2.9
TOTAL	11.7	TOTAL	8.9	TOTAL	12.4	TOTAL	15.6

PERIOD : SEPT. 24 - 25, 1974 AREA: ANCHOR DOGUY NORTH # " A "

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
25	1							
26								1 BIRD
27		1						
28								
TOTALS		1	0	0	0	0	0	1
24	2							
25				1				1 SKUNK
26								
27								
28								
TOTALS		0	0	1	0	0	0	1
24	3							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	4							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0

REMARKS:

PERIOD : SEPT. 24-28, 1974 AREA: ANCHORDOGUY NORTH # "A"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	5						1	
25								
26								
27								
28								1 BURRO
TOTALS		0	0	0	0	0	1	1
24	6		1					
25								1 COWS
26								1 COWS
27								1 COWS
28								1 COWS
TOTALS		0	1	0	0	0	0	4
24	7							
25								1 COWS
26								1 COWS
27								1 COWS
28								1 COWS
TOTALS		0	0	0	0	0	0	4
24	8							
25								1 COWS
26								1 COWS
27								1 COWS
28								1 COWS!
TOTALS		0	0	0	0	0	0	4

REMARKS:

NOTE : STATIONS 6,7,8 WERE COMPLETELY OBLITERATED BY CATTLE TRACKS DURING THE LAST FOUR DAYS OF THE CENSUS PERIOD.

PERIOD : SEPT. 24-28, 1974 AREA: ANCHORDOGUY NORTH # "A"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
9								1 FERAL CAT
25								1 K'RAT
26								
27								
28		1						
TOTALS		1	0	0	0	0	0	2
24	10							
25								
26								
27								
28		1						
TOTALS		1	0	0	0	0	0	0
24	11							1 FERAL CAT, 1 K'RAT
25								
26								
27								
28								1 K'RAT
TOTALS		0	0	0	0	0	0	3
24	12					1		
25						1		
26								
27						1		
28						1		
TOTALS		0	0	0	0	4	0	0

REMARKS:

PERIOD : SEPT. 24-28, 1974 AREA: ANCHORDOGUY NORTH # "A"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT	OTHER
24	13							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	14							
25		1						
26								
27								
28								
TOTALS		1	0	0	0	0	0	0
	15							Squirrel, 1 Snake
25							1	
26								
27								
28								
TOTALS		0	0	0	0	0	1	2
TOTALS								

REMARKS:

PERIOD : SEPT. 24-28, 1974 AREA: ANCHOR DOGUY SOUTH # "B"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	31						1	
25						1	1	
26							1	
27								
28		1						
TOTALS		1	0	0	0	1	3	
24	32					1		
25							1	
26						1		
27						1		
28		1						1 K'RAT
TOTALS		1	0	0	0	3	1	1
24	33						1	
25								2 Birds
26			1		1			
27								
28								
TOTALS		0	1	0	1	0	1	1
24	34		1	1				
25								
26					1			
27								
28								
TOTALS		0	1	1	1	0	0	0

REMARKS:

TEHAMA COUNTY S.C.S.I.E.N. STUDY CENSUS

PERIOD : SEPT. 24- 28, 1974 AREA: ACHORDOGUY SOUTH

"B"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	35			1		1	1	
25						1	1	
26								
27								
28								
TOTALS		0	0	1	0	2	2	0
24	36						1	
25								1 K'RAT
26								1 K'RAT
27								1 K'RAT
28								
TOTALS		0	0	0	0	0	1	3
24	37							1 Ground Squirrel
25							1	
26							1	
27							1	
28								
TOTALS		0	0	0	0	0	3	1
24	38							1 K'RAT, 1 BIRD
25								1 K'RAT
26								1 BIRD
27								
28								
TOTALS		0	0	0	0	0	0	4

REMARKS:

PERIOD : SEPT. 24-28, 1974

AREA: ANCHORDUGUY SOUTH

"B"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	39							1 SQUIRREL
25								1 BIRD
26								1 K' RAT
27								
28								
TOTALS		0	0	0	0	0	0	3
24	40					1		
25						1	1	
26								
27								
28								
TOTALS		0	0	0	0	2	1	0
24	41							
25								1 K' RAT
26								
27								
28								1 K' RAT
TOTALS		0	0	0	0	0	0	2
24	42							
25								1 K' RAT
26								
27								1 K' RAT
28		0	0	0	0	0	0	2
TOTALS		0	0	0	0	0	0	2

REMARKS:

PERIOD : SEPT. 24-28, 1974 AREA: ANCHOR DOGUY SOUTH # "B"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	43							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	44							
25								
26								
27							1	
28								
TOTALS		0	0	0	0	0	1	0
24	45							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
TOTALS								
TOTALS								
TOTALS								
TOTALS								
TOTALS								
TOTALS								

REMARKS:

PERIOD : SEPT. 24-28, 1974

AREA: LABZABAL

"C"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	16		1					1 SQUIRREL
25								
26								
27								
28								
TOTALS		0	1	0	0	0	0	1
24	17							1 SQUIRREL
25					1			
26					1			
27								
28								
TOTALS		0	0	0	2	0	0	1
24	18							1 SQUIRREL
25								
26								
27								
28								
TOTALS		0	0	0	2	0	0	1
24	19				1			
25								
26								1 BIRD
27							1	
28							1	
TOTALS		0	0	0	1	0	2	1

REMARKS:

PERIOD : SEPT. 24-28, 1974 AREA: LARZABAL

"C"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	20							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	21							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
	22							
25								1 BIRD
26								
27								
28								
TOTALS		0	0	0	0	0	0	1
24	23		1			1		
25			1		1	1		
26						1		
27			1		1			
28			1		1			
TOTALS		0	4	0	3	3	0	0

REMARKS:

TEHAMA COUNTY S.C.S.L.E.M. STUDY CENSUS

PERIOD : SEPT. 24-28, 1974 AREA: LARZADAL

"C"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	24						1	
25			1		1			
26						1		
27								
28						1		
TOTALS		0	1	0	1	2	1	0
24	25							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	26							
25								
26								
27						1		
28								
TOTALS		0	0	0	0	1	0	0
24	27							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0

REMARKS:

PERIOD : SEPT. 27-28, 1974 AREA: LARZADAL

"C"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
24	28							
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	0
24	29							1 SNAKE
25								
26								
27								
28								
TOTALS		0	0	0	0	0	0	1
24	30							1 FERAL CAT
25								1 PORCUPINE
26								
27						1		1 Feral Cat, 1 K'RAT
28								1 K'RAT
TOTALS		0	0	0	0	1	0	3
TOTALS								

REMARKS:

PERIOD : SEPT. 28-29, 1974

AREA: OWENS

"D"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
25	46							1 BURRO
26		1					1	
27								
28								
29								1 COW
TOTALS		1	0	0	0	0	1	2
25	47						1	1 K'RAT
26							1	1 K'RAT
27		1						1 K'RAT, 1 BIRD
28								
29								1 K'RAT
TOTALS		1	0	0	0	0	2	5
25	48							1 K'RAT
26								1 SKUNK
27						1		1 Feral Cat, 1 lizard
28								
29								1 SKUNK
TOTALS		0	0	0	0	1	0	5
25	49							1-feral cat, 1 lizard, 1 skunk
26							1	1 K'RAT
27							1	
28								1 K'RAT
29								
TOTALS		0	0	0	0	0	2	4

REMARKS:

PERIOD : SEPT. 25-28, 1974 AREA: OWENS

"D"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
25	50							1 squirrel, 1 skunk
26					1			1 skunk
27								
28								
29							1	1 rabbit
TOTALS		0	0	0	1	0	1	4
25	51							1 K'RAT
26								
27		1						
28								
29								
TOTALS		1	0	0	0	0	0	1
25	52							
26		2						1 K'RAT
27								
28								
29		1						
TOTALS		3	0	0	0	0	0	1
25	53	2						
26								
27		1						
28		1						
29		1						
TOTALS		5	0	0	0	0	0	0

REMARKS:

NOTE : STATION #52 ON SEPT. 26, AND STATION # 53 ON SEPT. 25
HAD A VISIT BY BOTH AN ADULT AND A PUP COYOTE.

PERIOD : SEPT. 25-29, 1974 AREA: OWENS

"D"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
25	54							
26		2					1	
27								
28		1						
29		1						
TOTALS		4	0	0	0	0	1	0
25	55						1	
26								1 K' RAT
27								
28								
29							1	
TOTALS	0	0	0	0	0	0	2	1
25	56							
26								
27								1 K' RAT
28								
29								
TOTALS		0	0	0	0	0	0	1
25	57							1 K' RAT
26								
27								1 K' RAT
28								
29								1 K' RAT
TOTALS		0	0	0	0	0	0	3

REMARKS:

STATION #54 ON SEPT. 26 WAS VISITED BY AN ADULT & A PUP

PERIOD : SEPT. 25-29, 1974 AREA: OWENS

"D"

DATE	STATION	COYOTE	BOBCAT	GREY FOX	RACCOON	DEER	RABBIT*	OTHER
25	58							1 K'RAT
26								
27								1 K'RAT
28								
29								
TOTALS		0	0	0	0	0	0	2
25	59							1 BIRD
26								
27								1 K'RAT
28								
29								1 K'RAT
TOTALS		0	0	0	0	0	0	3
26								1 K'RAT
27								1 K'RAT
28								
29								
TOTALS		0	0	0	0	0	0	2
TOTALS								

REMARKS:

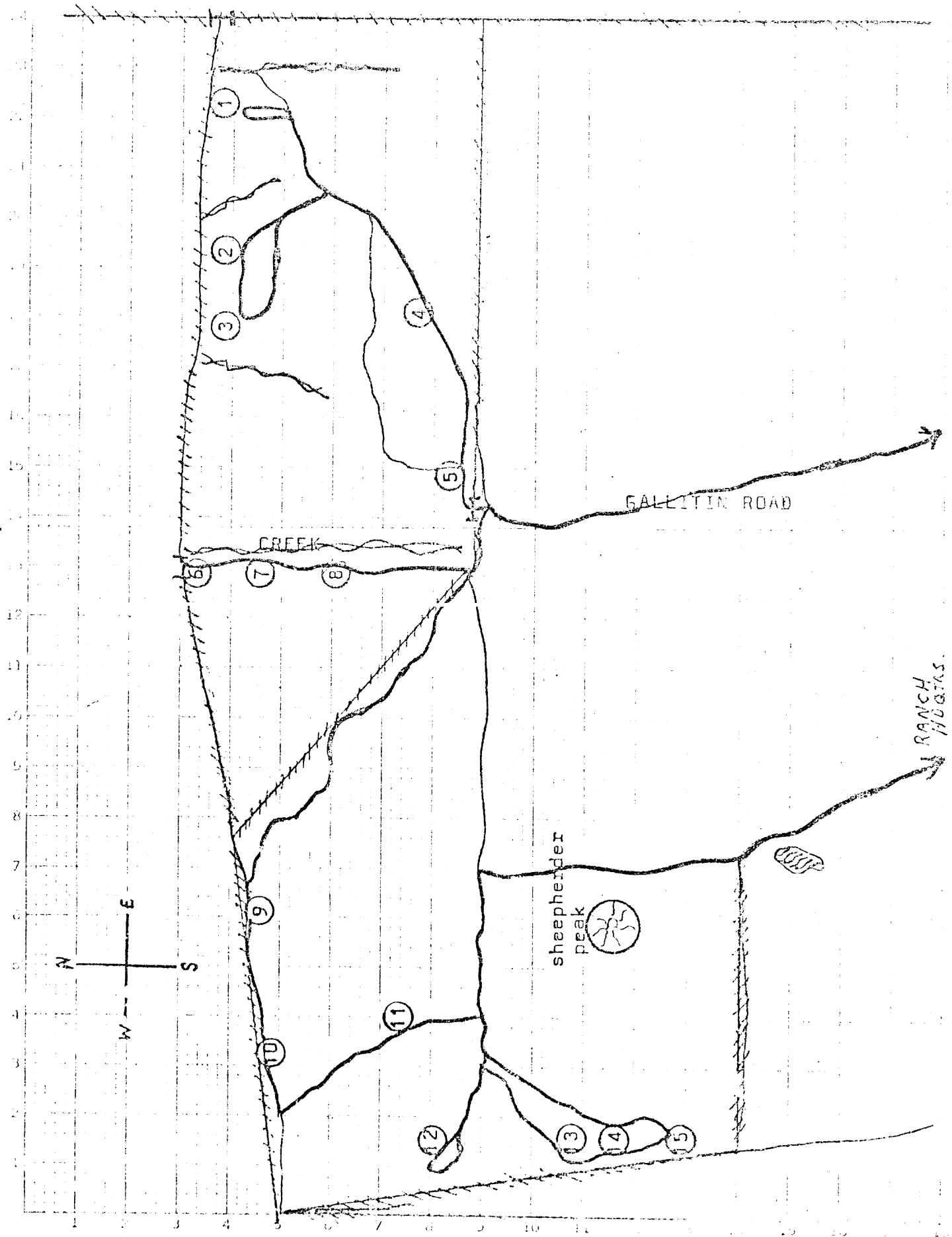


FIG. 1-A SCENT POST LOCATIONS

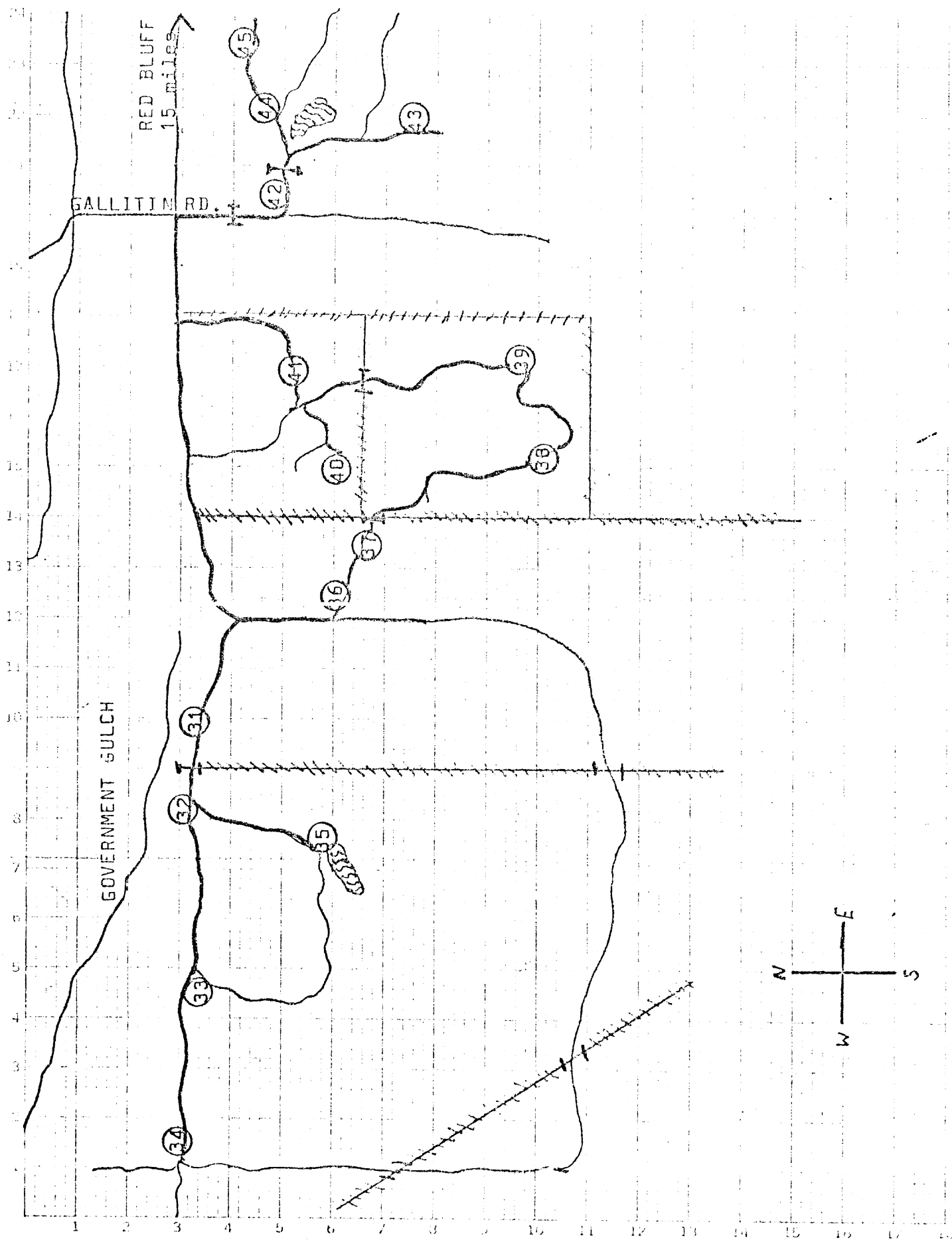


FIG. 1-B SCENT POST LOCATIONS

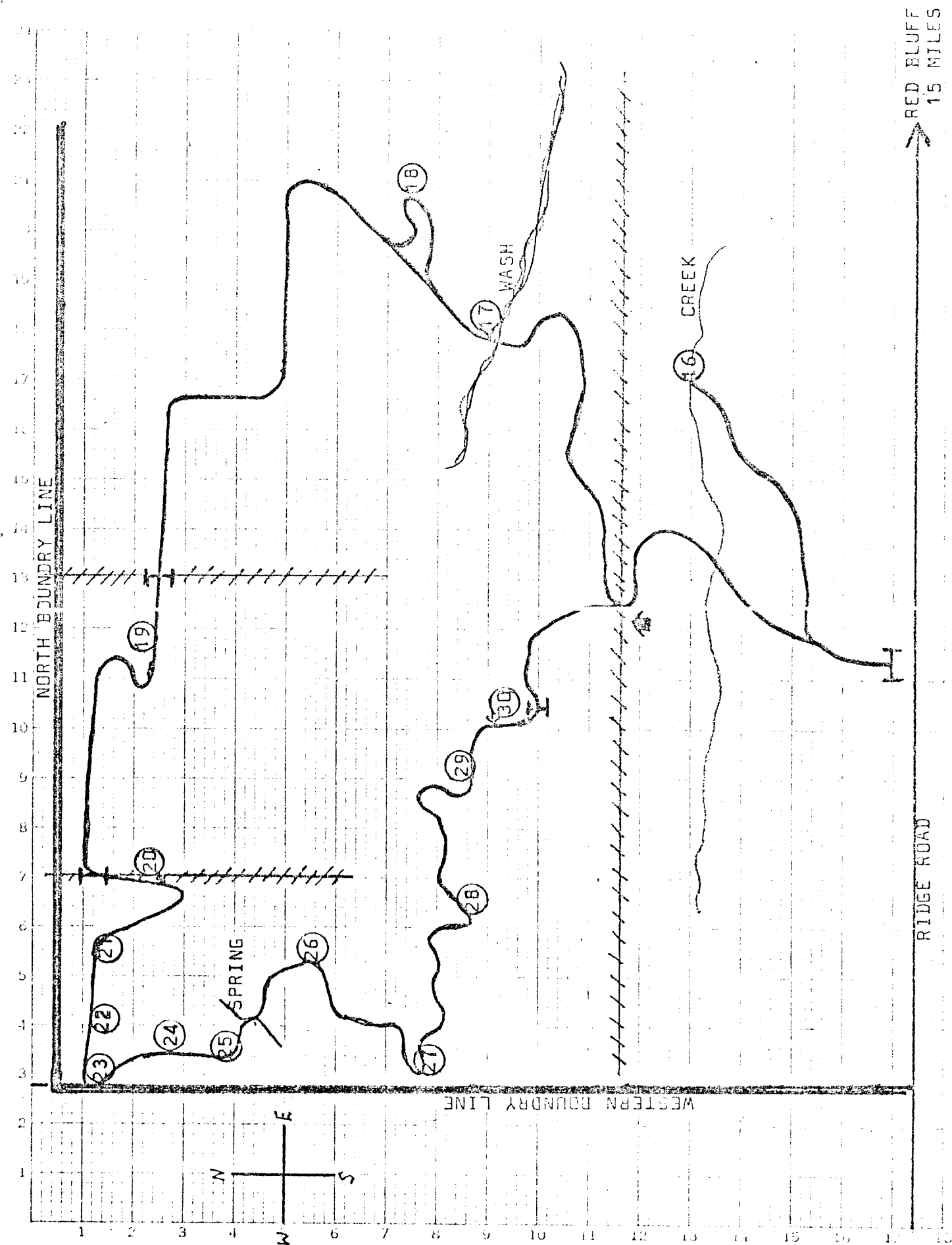


FIG. 1-C SCENT POST LOCATIONS

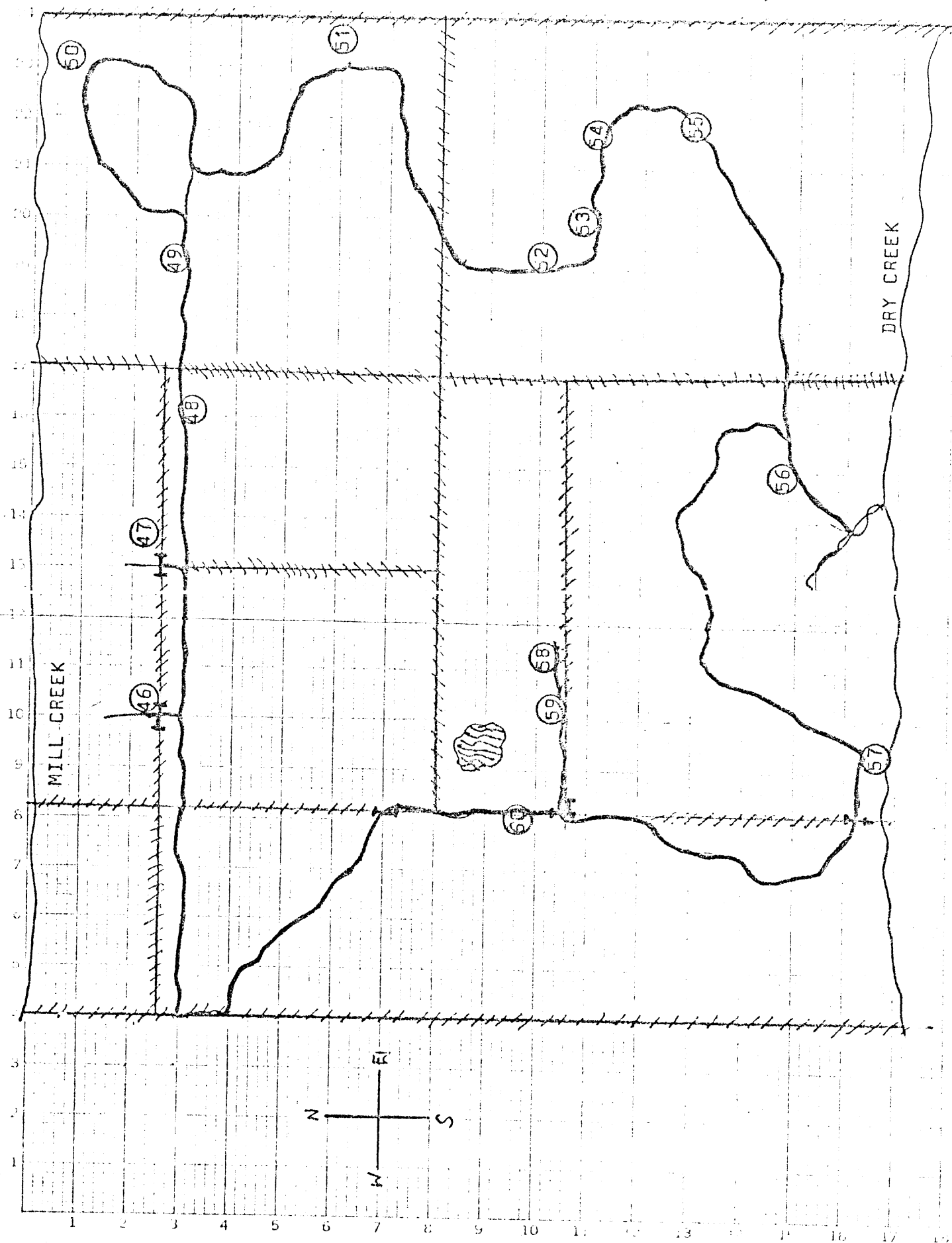


FIG. 1-D SCENT POST LOCATIONS

DEER ●
 COYOTE ■
 RABBIT ●
 GOLDEN EAGLE X

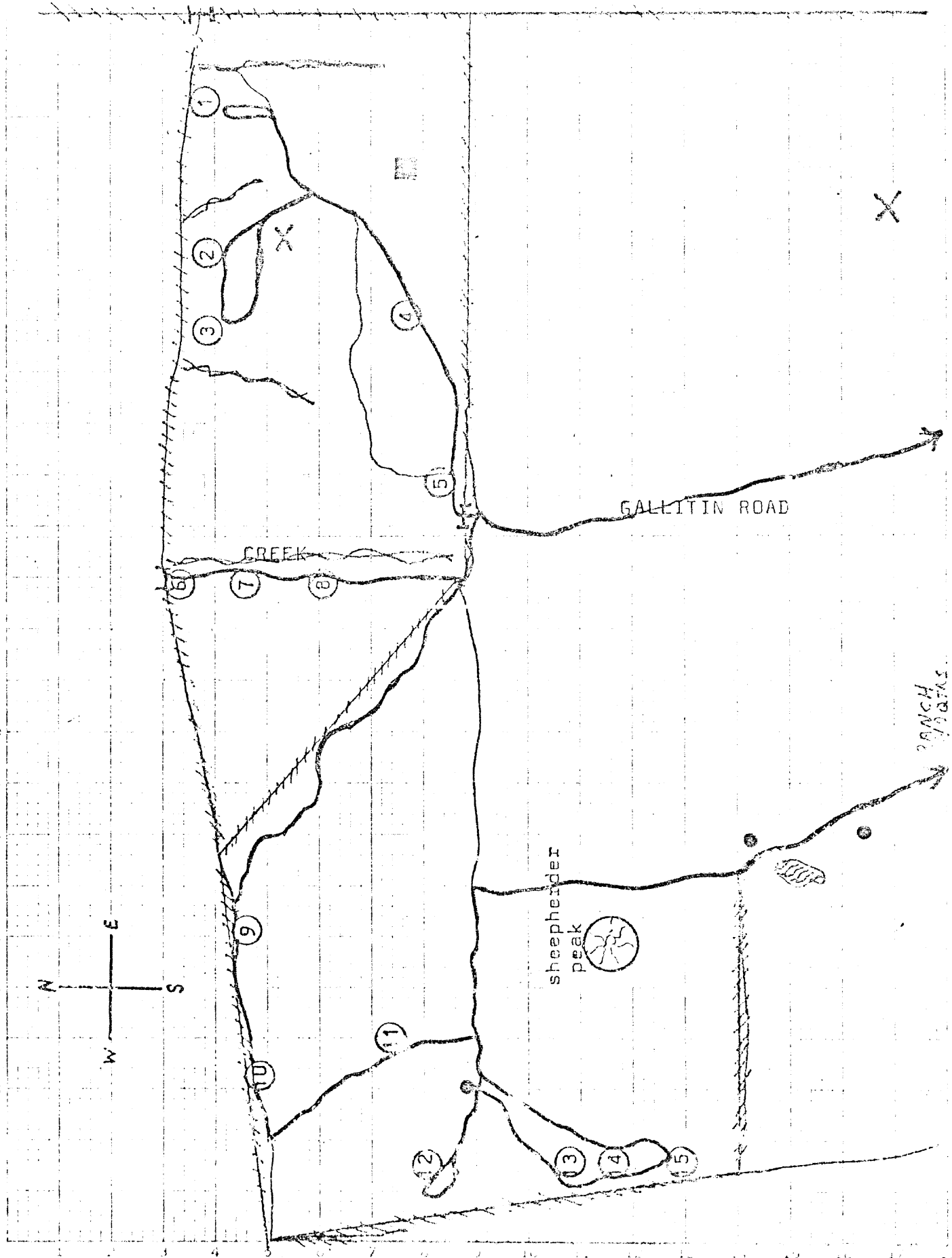
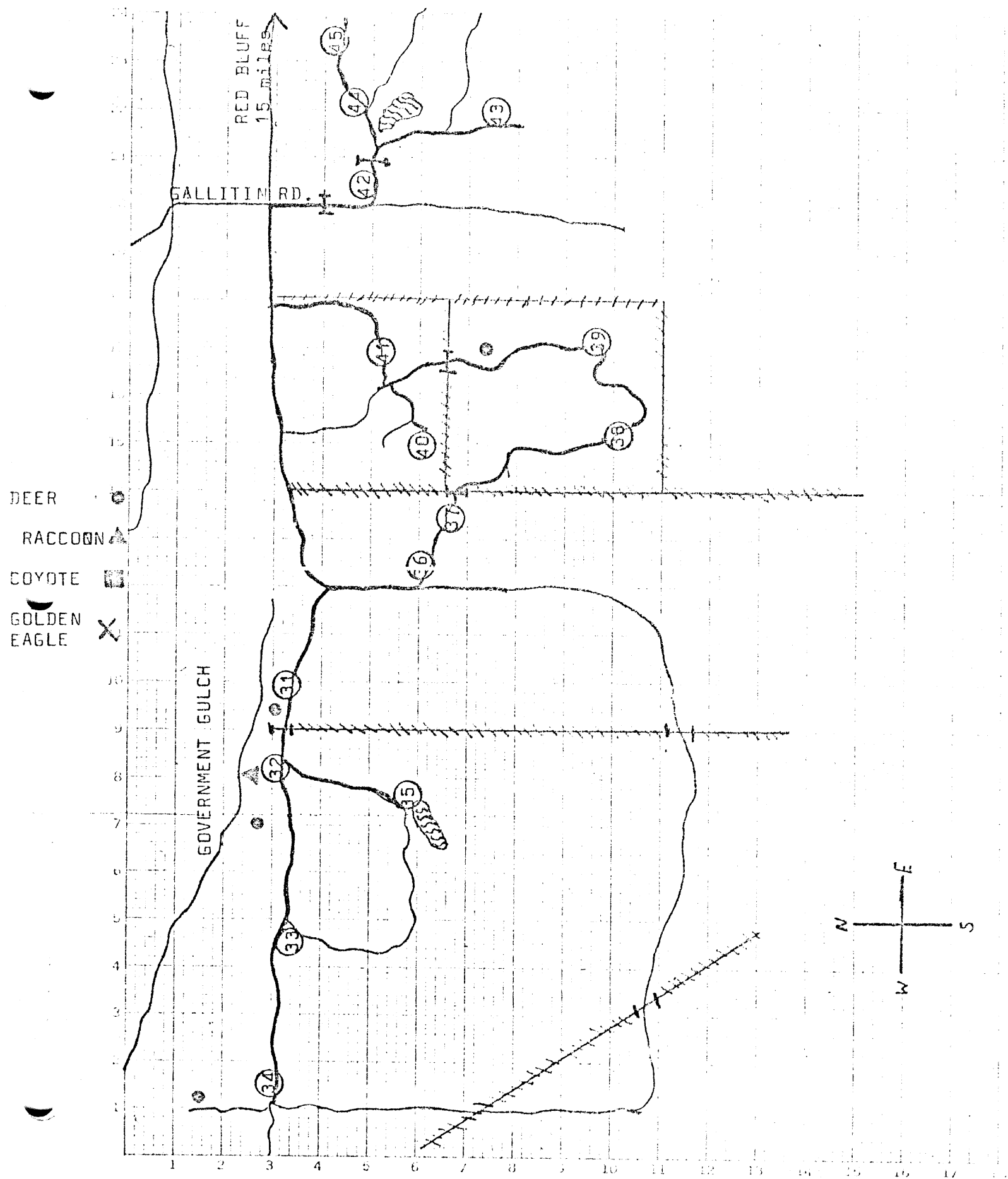


FIG. 2-A ANIMAL OBSERVATIONS IN STUDY AREA



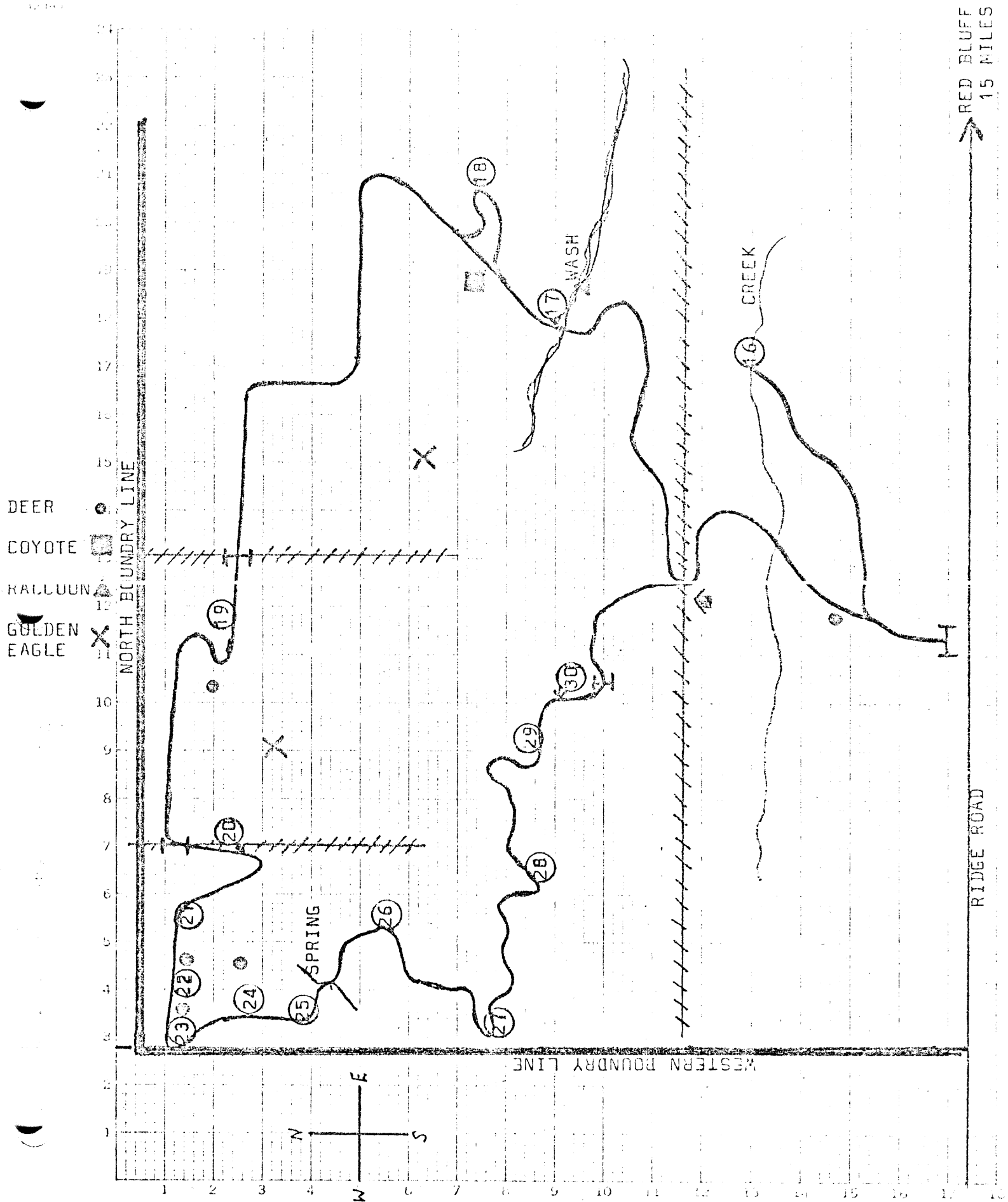


FIG. 2-C ANIMAL OBSERVATIONS IN STUDY AREA

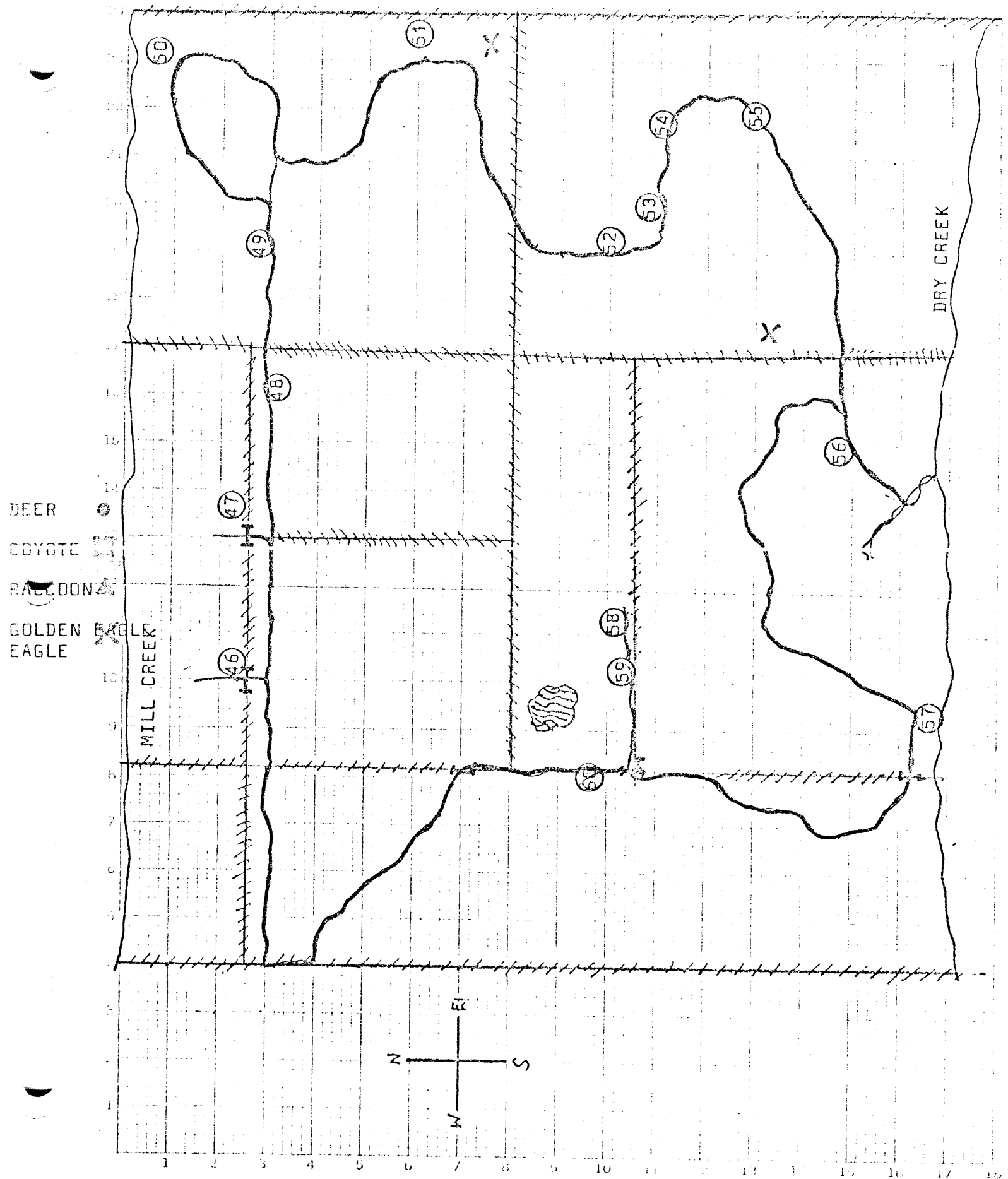


FIG. 2-D ANIMAL OBSERVATIONS IN STUDY AREA

(Squares to the Centimeter)

RACCOON 
 COYOTE 
 BEAR 
 FOX 

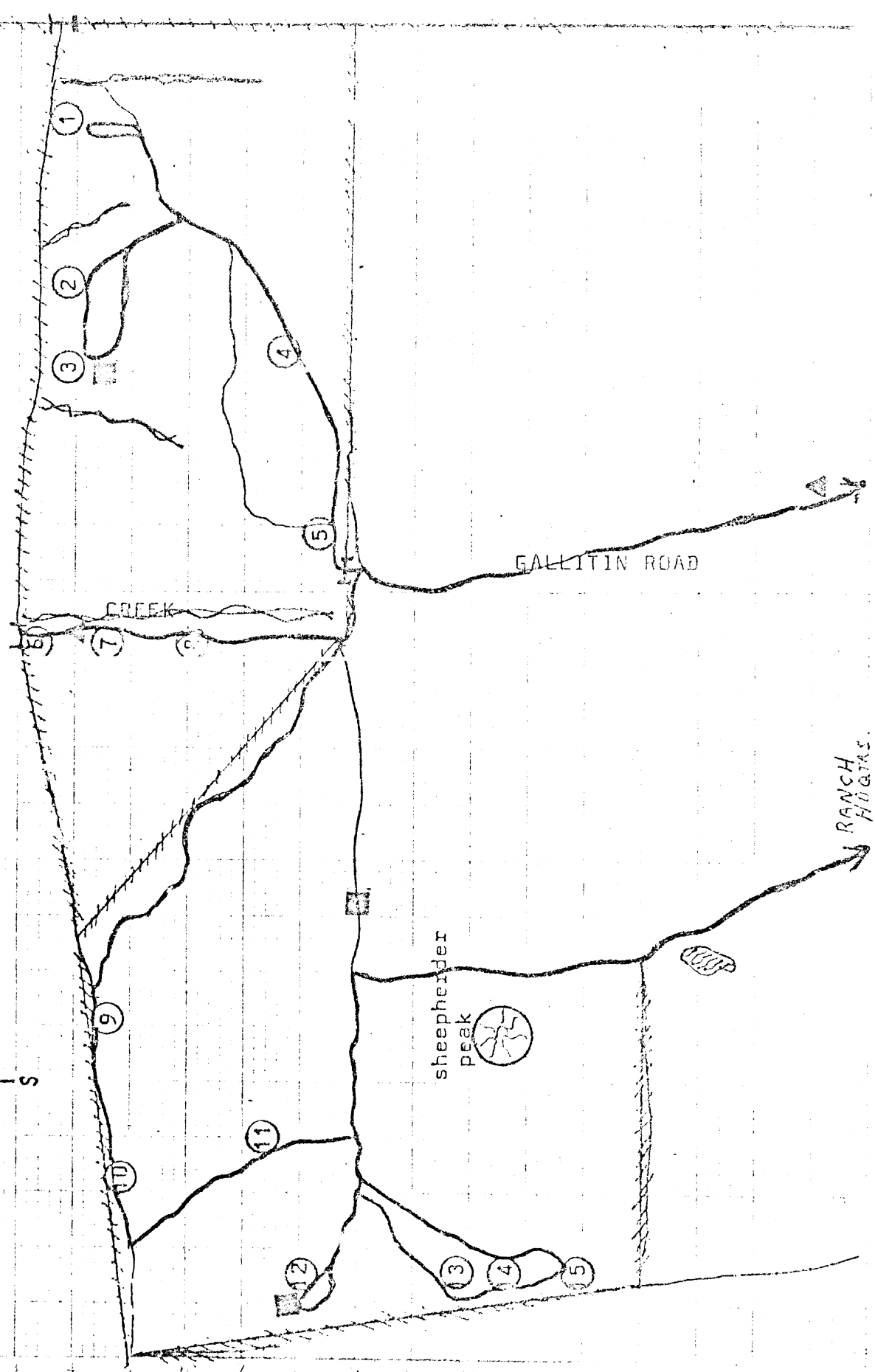
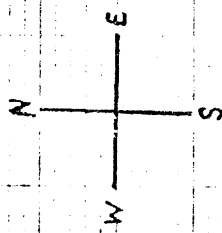


FIG. 3-A SCATS FOUND IN STUDY AREA

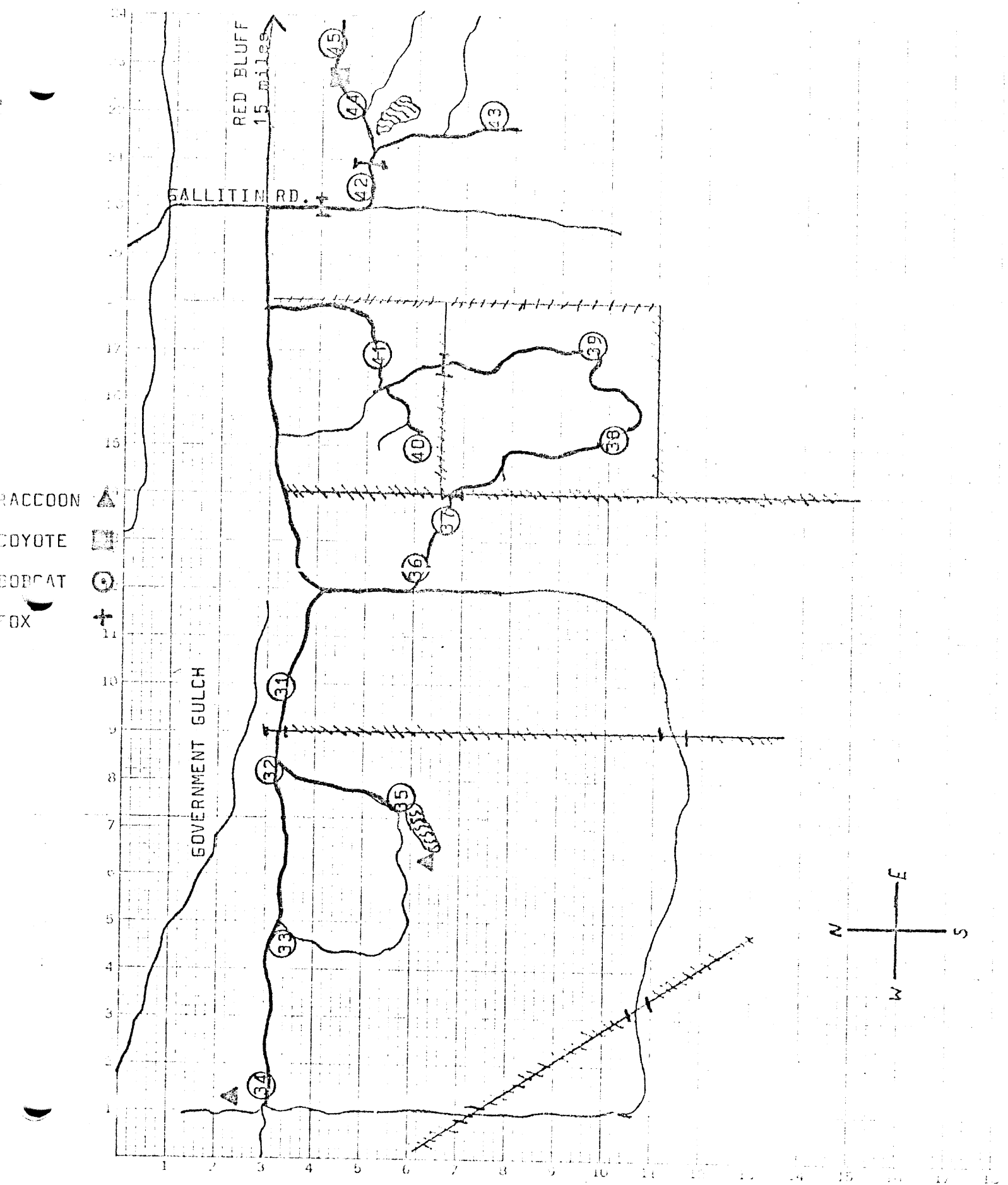


FIG. 3-B SCATS FOUND IN STUDY AREA

5 Squares to the Centimeter

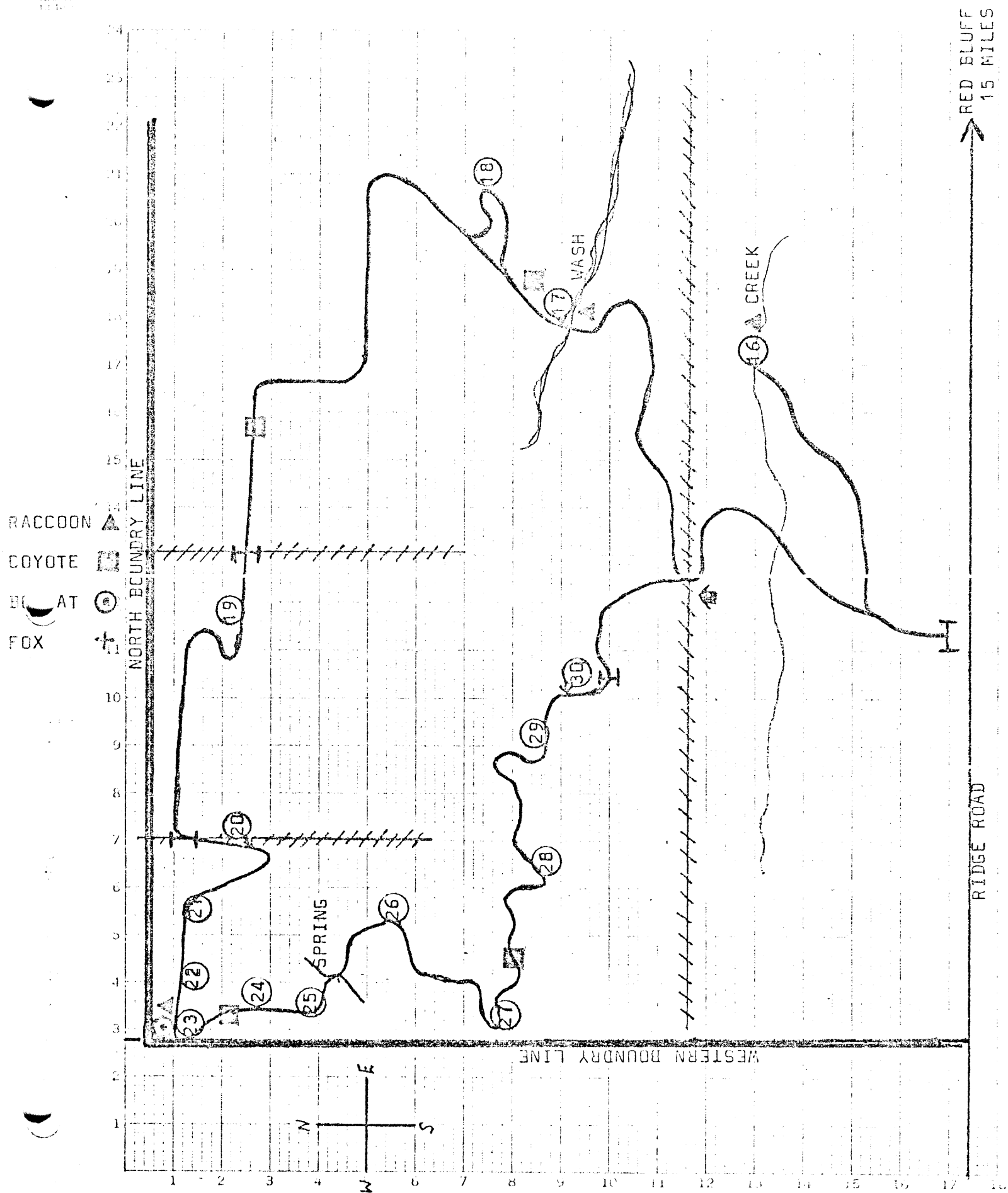


FIG. 3-C SCATS FOUND IN STUDY AREA

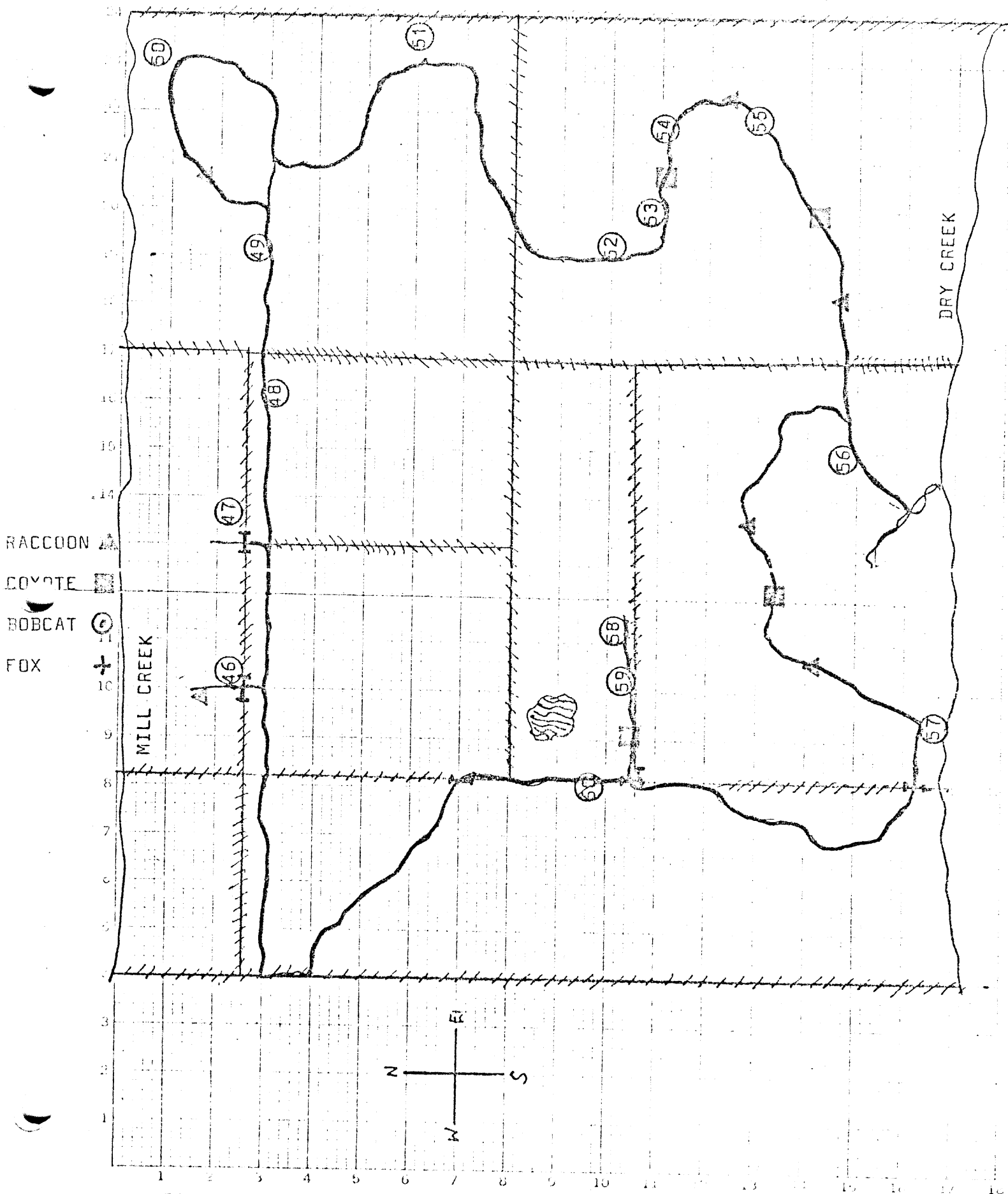


FIG. 3-D SCATS FOUND IN STUDY AREA

RACCOON ▲
COYOTE ■
SHEEPDOG AT ⊙
G. FOX +

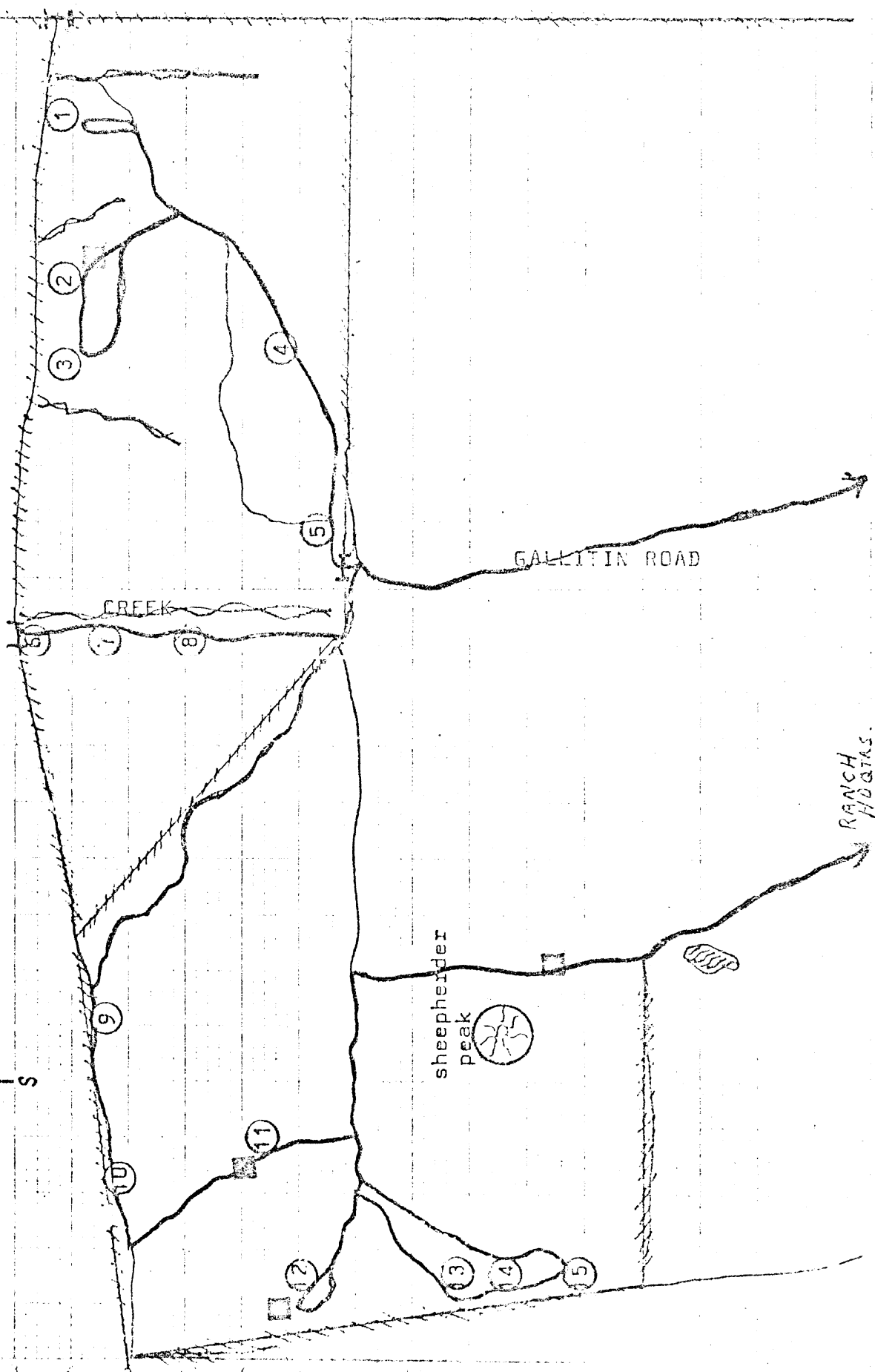
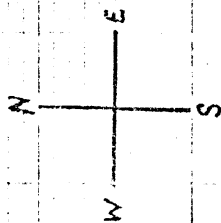


FIG. 4-A TRACKS FOUND OUT OF SCENT POST ZONES

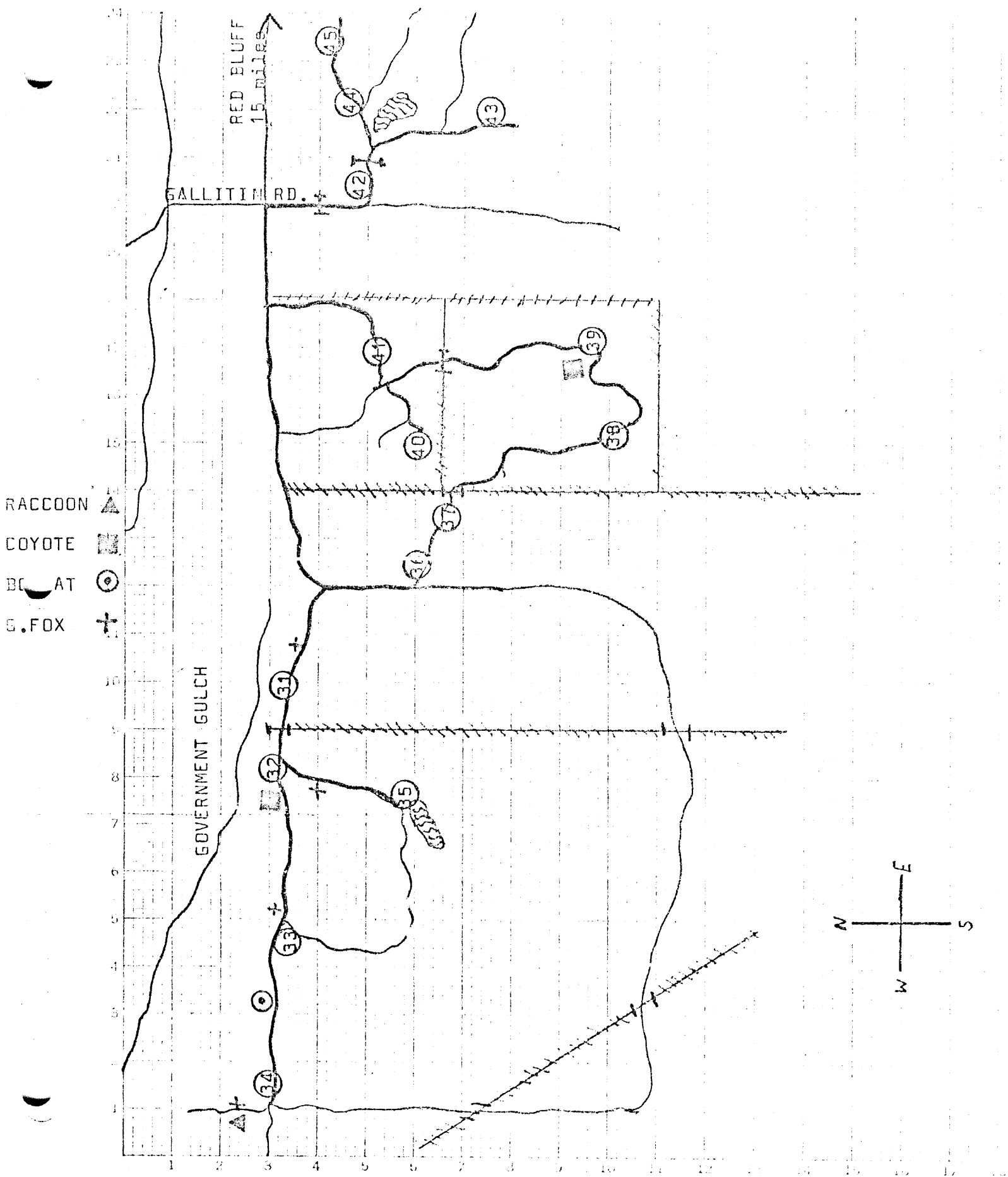


FIG. 4-B TRACKS FOUND OUT OF SCENT POST ZONES

RACCOON 
 COYOTE 
 BOBCAT 
 G.FOX 

RED BLUFF
15 MILES

RIDGE ROAD

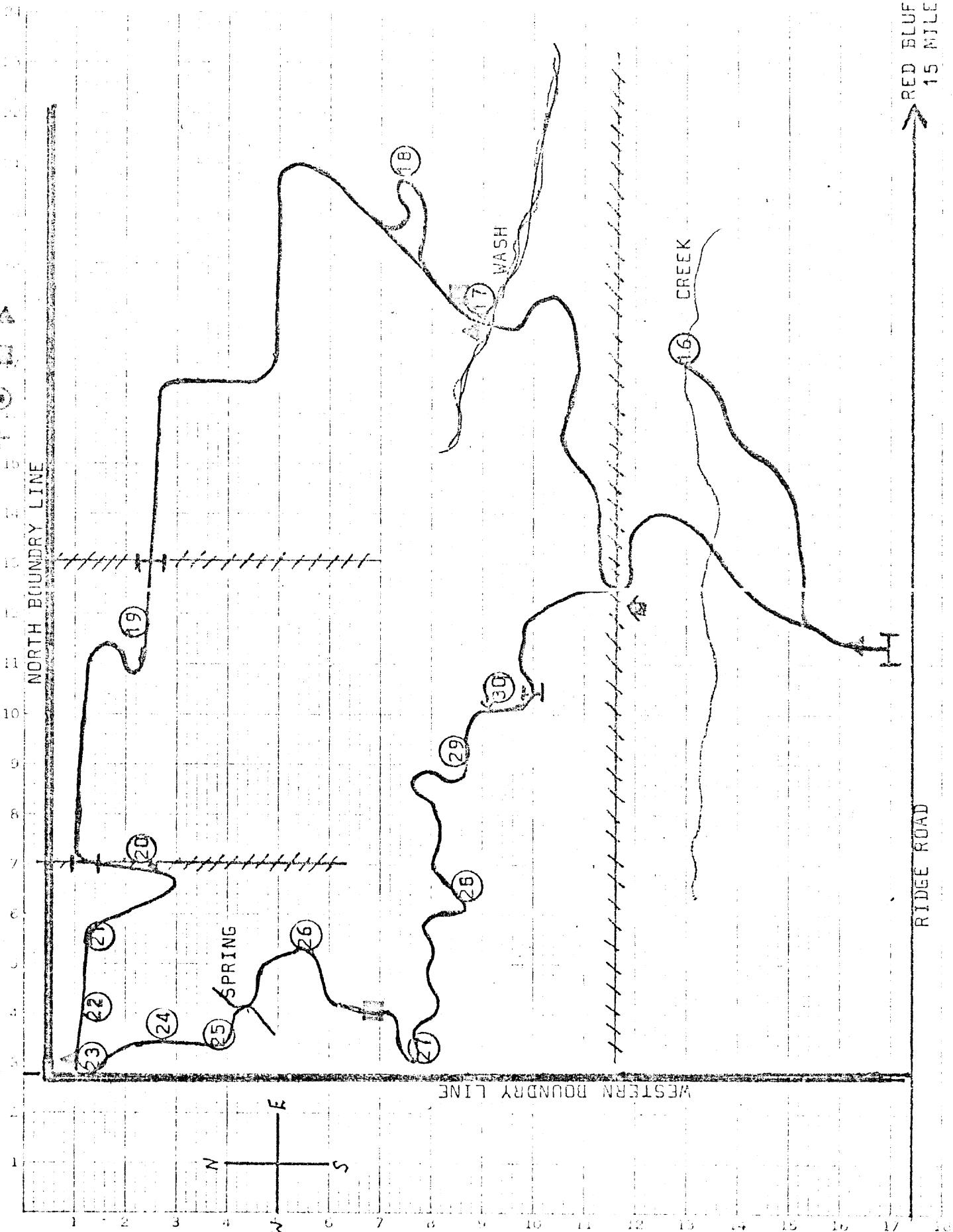


FIG. 4-C TRACKS FOUND OUT OF SCENT POST ZONES

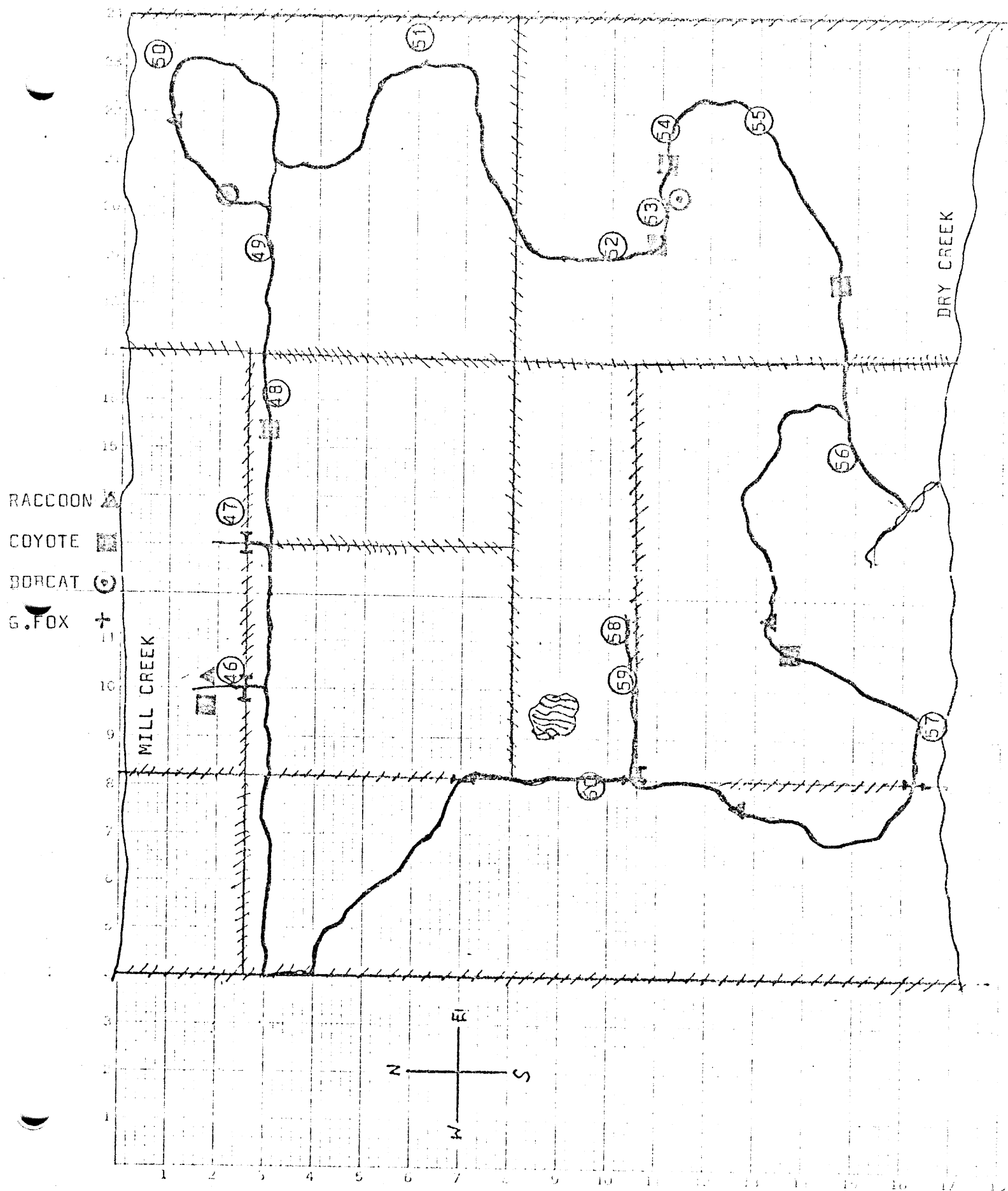
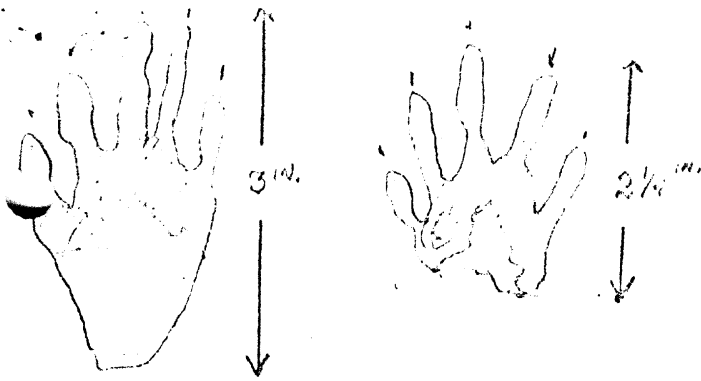
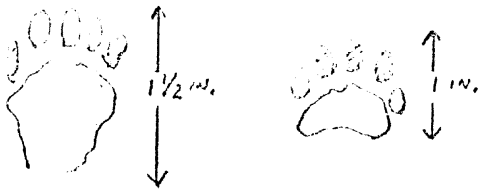


FIG. 4-D TRACKS FOUND OUT OF SCENT POST ZONE



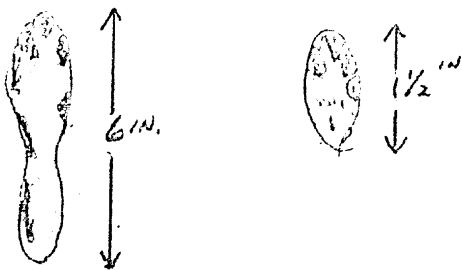
RACCOON (*Procyon lotor*)

TRACKS WERE EASILY DISCERNABLE
AND FOUND THROUGHOUT THE AREAS.



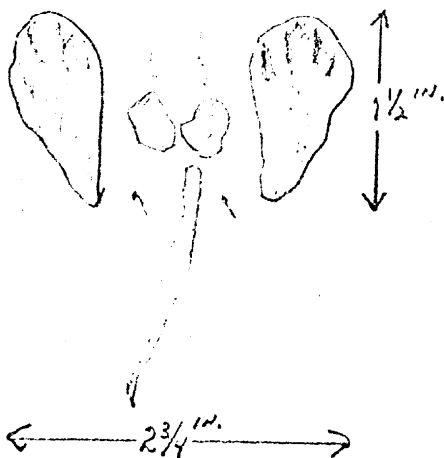
STRIPED SKUNK (*Mephitis mephitis*)

TRACKS WERE EASILY DISCERNABLE
AND FOUND THROUGHOUT THE AREAS.



BLACKTAILED JACKRABBIT
(*Lepus californiacus*)

TRACKS VARIED FROM CLEAR TO
JUST SMUDGES BUT BECAUSE OF
THE UNIQUE PATTERN, THEY WERE
ALWAYS EASILY RECOGNIZED.



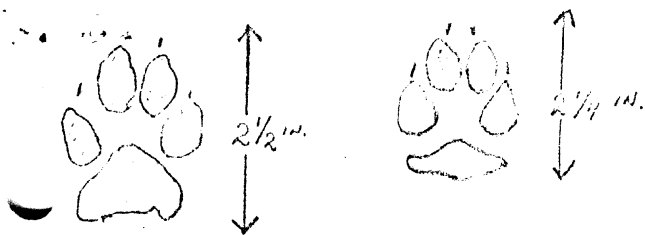
KANGAROO RAT (*Dipodomys*)

EXTREMELY COMMON THROUGHOUT
THE AREAS AND BECAUSE OF THE
TAIL DRAG, ALWAYS DISCERNABLE.



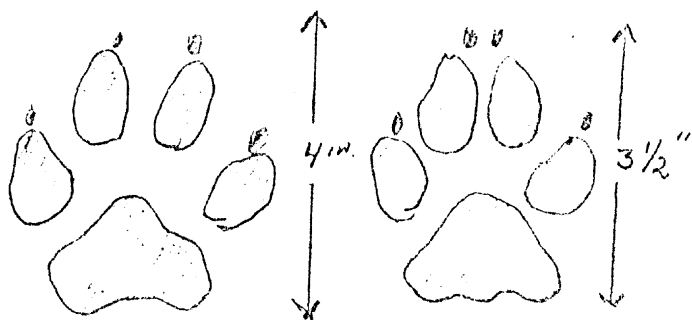
PORCUPINE (*Erethizon dorsatum*)
UNCOMMON IN AREA AND THE TRACKS
ARE VERY INDISCERNABLE.

FIG. 5-A ANIMAL TRACKS FOUND IN STUDY AREAS



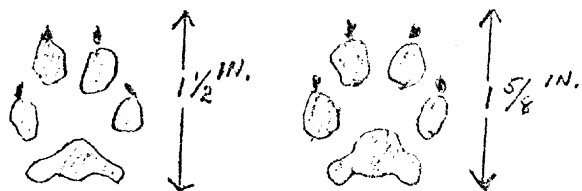
COYOTE (*Canis latrans*)

TRACKS ARE USUALLY CLEAR
AND DISTINCT



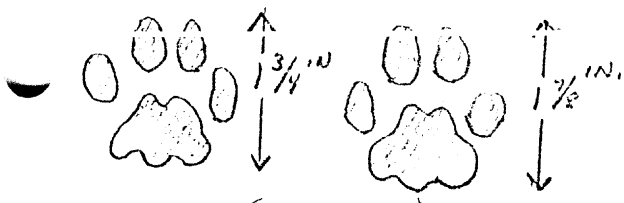
DOG

FOUND MAINLY ON ROADS, LARGER
AND MORE ROUNDED THAN COYOTE.



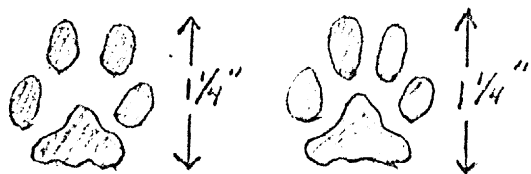
GREY FOX (*Urocyon cinereoargenteus*)

USUALLY VERY CLEAR, SMALLER
THAN COYOTE.



BOBCAT (*Lynx rufus*)

USUALLY FOUND SMUDGED, HARD
TO DISTINGUISH.



HOUSECAT (FERAL)

SMALLER THAN BOBCAT

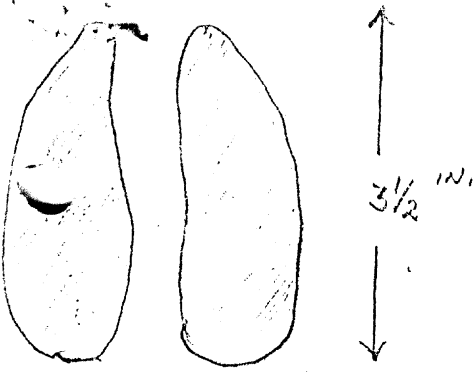


GROUND SQUIRREL

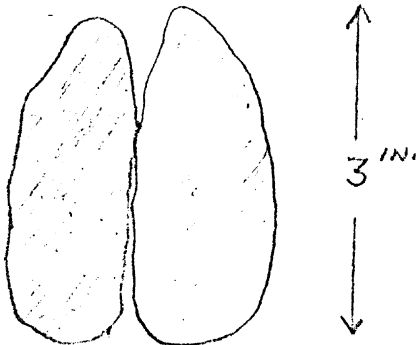
CLEAR TRACKS ARE RARE, ONLY
IDENTIFIED BY PATTERN & SIZE.

FIG. 5 - B ANIMAL TRACKS FOUND IN STUDY AREAS

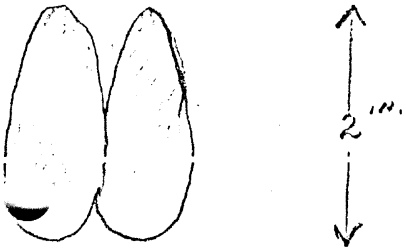
BLACKTAIL DEER (*Odocoileus columbianus*)



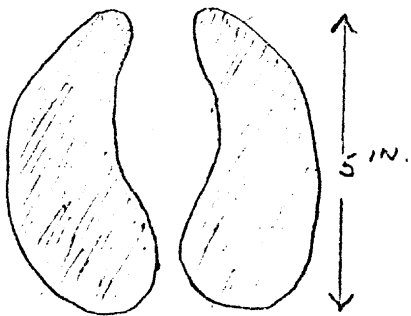
DOMESTIC ADULT SHEEP



DOMESTIC LAMB



DOMESTIC COW



DOMESTIC BURRO

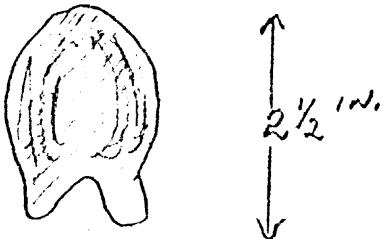


FIG. - 5 - C ANIMAL TRACKS FOUND IN STUDY AREAS