

Mr. Phillip Escue is a graduate student in the Department of Biology of Pan American University. He is working on food habits of the coyote on Padre Island and Laguna Atascosa Wildlife Refuge. These are tables that he has worked up on these identifying items. He will be finishing up his thesis and said that he would send us a copy.

R.G. Whistler May 3, 1978

~~Food Habits of the Coyotes~~
~~on Padre Island Laguna~~
~~Atascosa Wildlife Ref.~~

TABLE 4.--MATRIX OF COEFFICIENTS OF DIETARY OVERLAP BETWEEN HABITATS
(FOR ONE YEAR) OF Canis latrans.

	SANTA ANA	LAGUNA ATASCOSA	S. PADRE ISLAND
SANTA ANA	1.00	0.85	0.03
LAGUNA ATASCOSA		1.00	0.09
S. PADRE ISLAND			1.00

TABLE 3.--SEASONAL AND YEARLY DIETS OF Canis latrans EXPRESSED IN PERCENT FREQUENCY, FROM SOUTH PADRE ISLAND.

FOOD ITEMS	FALL N=15	WINTER N=21	SPRING N=34	SUMMER N=20	YEAR N=90
MAMMALS					
<u>SPERMOPHILUS SP.</u>	33	24	18	15	21
<u>DIPodomys ordii</u>		14	9	15	6
<u>LEPUS CALIFORNICUS</u>			3	15	3
FISHS	60	62	76	100	76
BIRDS					
UNKNOWN				5	1
LARIDAE	7			5	3
CAPRIMULGIDAE	7				2
PLANTS					
UNKNOWN	40	5	12	5	16
GRASS	7	5	12	15	10
SEEDS	7				2
CRABS					
UNKNOWN	20	9	26	25	20
<u>GECARCINUS LATERALIS</u>		5			1
INSECTS					
UNKNOWN	7			15	6
CURCULIONIDAE		5			1
SCARABAEIDAE			26		6
ARIDIDAE	20	5	26		13
CICADIDAE			3	5	2
ROCK		5			1
AL.			3		1
PAPER			3		1

TABLE 2.--SEASONAL AND YEARLY DIETS OF Canis latrans EXPRESSED IN PERCENT FREQUENCY, FROM LAGUNA ATASCOSA NATIONAL WILDLIFE REFUGE.

FOOD ITEMS	FALL N=57	WINTER N=36	SPRING N=46	SUMMER N=66	YEAR N=205
MAMMALS					
<u>SYLVILAGUS SP.</u>	30	39	67	32	42
<u>NEOTOMA MICROPUS</u>		25	15		10
<u>SIGMODON HISPIDUS</u>	16	28	33	16	23
<u>GEOMYS PERSONATUS</u>		1			>.5
<u>PEROMYSCUS LEUCOPUS</u>				1	.5
<u>ODOCOILEUS VIRGINIANA</u>		2			.5
BIRDS					
UNKNOWN	2	1	1	2	2
PLANTS					
UNKOWN		6	1	12	5
<u>DIOSPYROS TEXANA</u>	1				>.5
GRASS	8	3	5	6	5
<u>KARWINSKIA HUMBOLDTIANA</u>	3			9	2
WATERMELON				12	3
<u>YUCA SP.</u>				1	>.5
SORGHUM (GRAIN)	17			5	5
<u>PROSOPIS GRANDULOSA</u>	29			18	10
INSECTS					
ACRIDIDAE	2			1	1
ROCK		2			.5

TABLE 1.--SEASONAL AND YEARLY DIETS OF Canis latrans EXPRESSED IN PERCENT FREQUENCY, FROM SANTA ANA NATIONAL WILDLIFE REFUGE.

FOOD ITEMS	FALL N=31	WINTER N=42	SPRING N=38	SUMMER N=41	YEAR N=152
MAMMALS					
<u>SYLVILAGUS SP.</u>	58	38	34	78	52
<u>NEOTOMA MICROFUS</u>	29	88	26	5	38
<u>SIGMODON HISPIDUS</u>		26	26	7	16
<u>PEROGNATHUS SP.</u>	3	2			1
<u>PEROMYSCUS LEUCOPUS</u>		2	3		1
BIRDS					
UNKNOWN		2			.5
PLANTS					
UNKNOWN		9	8	2	6
GRASS	13	5	5	7	7
<u>PROSOPIS GLANDULOSA</u>	6			22	11
<u>SORGHUM (GRAIN)</u>	10		16	19	11
SUGAR CANE		2			.5
INSECTS					
ACRIDIDAE			3	2	1
ROCK		5			1