

FINAL REPORT
SECTION 6
ENDANGERED SPECIES ACT



FEDERAL AID PROJECT E-16

PRAIRIE MOLE CRICKET IN OKLAHOMA

APRIL 26, 1991 - APRIL 25, 1992

FINAL REPORT

STATE: Oklahoma

PROJECT NO: E-16-1

PROJECT TITLE: Prairie mole cricket in Oklahoma.

JOB NUMBER: 1

JOB TITLE: Distribution and land use history of prairie mole cricket lek sites in Oklahoma.

PERIOD COVERED: 26 April 1991 - 25 April 1992

I. JOB OBJECTIVE:

To determine land use practices, vegetation composition, and soil characteristics among historical and active Oklahoma prairie mole cricket sites, and to describe the prairie mole cricket preferred habitat in Oklahoma.

II. INTRODUCTION

Gryllotalpa major, the prairie mole cricket, was historically known from the southern tall grass prairie region of North America, occurring in Kansas, Missouri, Illinois, Kentucky, Tennessee, Mississippi, Arkansas and Oklahoma. The cricket has experienced a substantial decline throughout its distribution and is no longer believed to be extant in Illinois, Kentucky, Tennessee and Mississippi (Figg and Calvert 1987). The prairie mole cricket was proposed for federal listing as a threatened species (FR 55, 25 April 1990) in 1990.

The habitat of the prairie mole cricket was believed to be high quality tall grass or mixed grass (tall grass with some components of short grass) prairie with a history of light or no grazing (Figg and Calvert, 1987). It was thought that one factor contributing to the decline of this species was its apparent intolerance for land with a history of cattle grazing (Figg and Calvert 1987). However, volunteer survey work in Oklahoma in 1989 and 1990 indicated that these crickets in some cases occurred on sites that had a history of grazing and/or other forms of land disturbance. Little is known regarding the crickets ability to withstand various disturbances, including grazing.

Outright loss of prairie and the fragmented nature of remaining prairie grasslands are the most significant factors contributing to the decline of the prairie mole cricket. Figg and Calvert (1987) recently found prairie mole cricket populations to be small, isolated, and, as a result, highly vulnerable to extinction. The largest extant populations appear to be associated with remaining clusters of prairie fragments. Fragments in close proximity probably reinforce the overall vigor of the species by distributing mole crickets among the range of habitat and management influences. Nevertheless, mole cricket subpopulations inhabiting individual fragments remain vulnerable to extinction, and, as habitat

fragmentation continues and these subpopulations continue to be lost, the whole species becomes threatened (Figg and Calvert, 1987).

In January 1992 the Fish and Wildlife Service withdrew the proposed rule to list the prairie mole cricket as a threatened species (FR 57, 21 January 1992). This decision was based on (1) additional field surveys in Kansas and Oklahoma during the spring of 1991 that revealed that the species was more abundant and widespread than previously thought and (2) the observation that the species sometimes occurred in types of native grass cover that are not under immediate threat of destruction or modification.

III. METHODS

Surveys for prairie mole crickets were performed by volunteers from 1989 through 1991. Surveys were conducted by walking and driving predetermined routes and listening for calling males. Calling male prairie mole crickets can be heard for a quarter of a mile. The call of the prairie mole cricket is quite distinctive (Walker and Figg 1990). It can be distinguished from tree frogs by its pulsed, rhythmic chirp and from the more common northern mole cricket by a chirp rate which is at least one third greater (Walker and Figg 1990). Surveyors listened to audio tapes of the prairie mole cricket call immediately before surveying. A county map showing locations of positive and negative prairie mole cricket sites is included as Appendix 3.

We evaluated the vegetative composition and land-use history of 55 mole cricket survey sites using the procedures described below.

1. We created two computer databases for selected fields from Prairie Mole Cricket Survey Reports received from volunteers from 1989 through 1991. These reports have been filled out by volunteers surveying for mole crickets. A sample survey form is included as Appendix 1. The first database, called SITENAME, recorded site name, a code for the site, locality information about the site and surroundings, and ownership as could be determined from the original survey form. The second database, called SURVEY, recorded visits to the site named in the first database by date, including hours surveyed, weather observed, whether crickets were calling, and general comments. Total records for SURVEY = 157, total records for SITENAME = 120.

2. We chose 30 prairie mole cricket 'positive' sites (crickets were heard or found there), and 30 prairie mole cricket 'negative' sites (no crickets were found or heard) from the SITENAME database. Both sites considered to be native grassland as well as "marginal" habitat were included. Landowner permission was obtained by phone or in person to visit 55 sites.

3. At each site, vegetation was sampled in 30, 0.5 m² plots, using rectangular, metal quadrat frames. Samples were spaced approximately 10 paces (= approx. 17 meters or 50 ft.) apart, generally within the middle of the site as described, but not in rigidly defined transects. A subjective effort was made to encompass by sampling as much diverse vegetation within the available area as possible. Every 6th sample, a soil core was drawn

(a column ca. 2 cm diameter x 26 cm long). Plant material was collected for unknowns, and observations on land use and species composition were recorded on data sheets for most sites. Sites were sampled throughout the growing season of 1991. For each plant species, cover in the plot was estimated in cover classes. Species with less than 1% cover were assigned to class 1, 1-5% cover was class 2, 5-25% cover was class 3, 25-50% was class 4, 50-75% was class 5, 75-95% was class 6, and species with over 95% cover were assigned to class 7.

4. The five soil samples from each site were mixed together and analyzed for the percentage of sand, clay, silt, and organic matter using standard techniques.

5. All plant species recorded were assigned a unique species code number. The raw data from each site were entered into a species by quadrat matrix using a data entry program written in Turbo Pascal 3. Cover classes were converted to the midpoint of the cover range. For example, cover class 1 was converted to 0.5%, and cover class 2 was converted to 3%. All subsequent analyses were performed on the cover values. At each site, the average cover and frequency (number of quadrats in which it occurred) of each species was calculated. Relative cover of a species was calculated as its proportion of the total cover all species. Average cover was used to calculate total site diversity, which is an index that reflects the number and relative distribution of species at the site. For example, sites with few species, or in which one or two species dominate have low values of diversity. Diversity (H) was calculated as the sum of the relative cover values of each species scaled by the logarithm of their relative cover values ($-p_i \ln p_i$). Cover in each quadrat, average cover, frequency, relative cover, and diversity for each site is shown in Appendix 2.

In tallgrass prairie species frequency is significantly correlated with average cover ($r^2=0.66$, $P<0.001$; Collins and Glenn, 1990), therefore we analyzed cover because it is the quantitative variable. Average cover of each species in a site was used to create a species by site matrix for analysis. All analyses were done using PC-SAS. The species by site matrix was transposed to a site by species matrix for analysis. Species cover, soil variables, and diversity were used as dependent variables, and the presence/absence of prairie mole crickets and time of sampling were used as independent variables.

Soil characteristics were compared at positive versus negative sites using t-tests. Plant diversity and individual plant species relative abundances were compared at positive versus negative sites using two factor ANOVAs with mole cricket presence/absence and time (spring versus fall) as the treatment variables. Land-use history (grazing and haying) were compared at positive versus negative sites using chi square tests.

IV. RESULTS

Mole cricket positive sites contained a significantly higher percentage of silt than did mole cricket negative sites (Table 1, Figure 1). Percentages of sand, clay and organic matter did not vary significantly between positive and negative sites.

Table 1. Results of t-tests for differences in soil characteristics between sites where prairie mole crickets occurred versus sites where they did not occur.

Soil Parameter (%)	t	df	P
Sand	1.09	35.7	0.28
Clay	-0.16	36.5	0.88
Silt	-2.38	30.8	0.02
Organics	-1.28	47.8	0.21

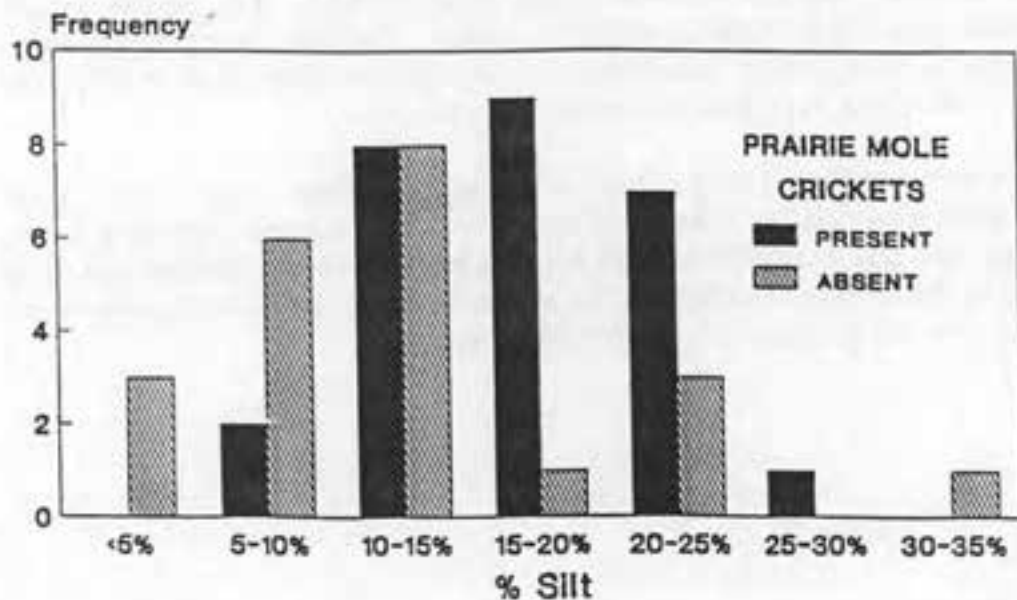


Figure 1. Percent silt at sites where prairie mole crickets were present versus sites where prairie mole crickets did not occur.

Three hundred and three species of plants were found. Of these, 124 only occurred at one site. Plant species diversity was significantly higher on mole cricket positive sites ($F = 5.95$, $df = 1$, $P < 0.02$)(Figure 2). There were no significant time or interaction effects. Average cover of nine plant species varied significantly between positive and negative sites (Table 2).

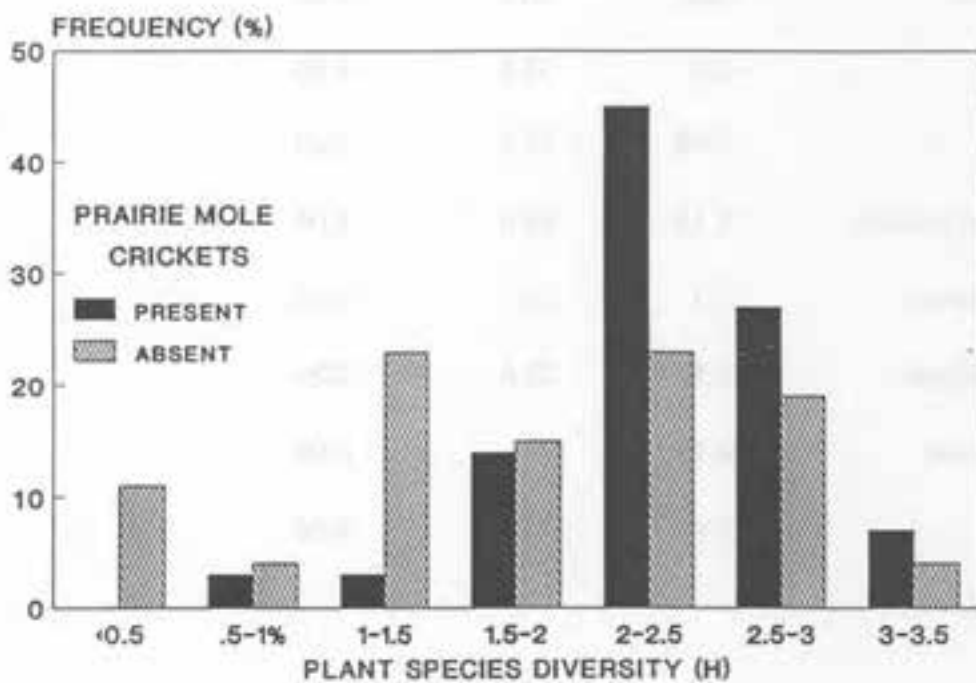


Figure 2. Plant species diversity at sites where prairie mole crickets were present versus sites where prairie mole crickets did not occur.

Table 2. Results of t-tests for differences in average cover of nine plant species between sites where prairie mole crickets occurred versus sites where they did not occur.

Species	t	df	P
<i>Ratibida columnifera</i>	-2.3	28	0.03
<i>Elymus canadensis</i>	-2.65	30.1	0.01
<i>Carex</i> sp.	-2.2	35.6	0.03
<i>Ruellia humilis</i>	-2.38	45.5	0.02
<i>Andropogon sacchariodes</i>	2.18	28.6	0.04
<i>Paspalum floridanum</i>	-2.7	28	0.01
<i>Andropogon virginicus</i>	-2.17	28.6	0.04
Unknown Lilliaceae	-2.16	28	0.04
Clover	-2.2	28.3	0.04

Very few sites, either positive or negative, contained high frequencies of "typical" (Diamond and Smeins 1988) prairie grasses (Figure 3).

Chi square tests revealed no significant differences between the occurrence of *G. major* and recent grazing ($X^2 = 0.38, P < 0.5$) or haying ($X^2 = 0.38, P < 0.5$) activities. Other types of land use that were observed at prairie mole cricket positive sites (but for which there was not enough data to analyze statistically) included roads, a frisbee golf course, oil drilling activity, dumping, a nearby power station, and a cattle pond.

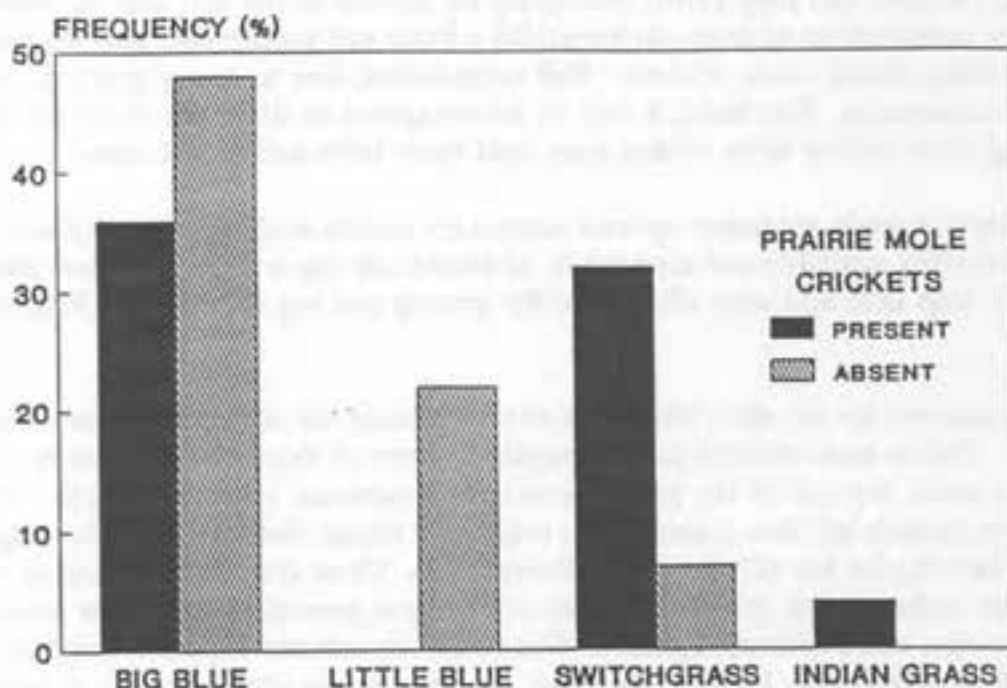


Figure 3. Frequency of four prairie grasses at sites where prairie mole crickets were present versus sites where prairie mole crickets did not occur.

V. DISCUSSION

Our results indicate that calling prairie mole crickets are associated with sites that have higher silt content and higher plant diversity.

Observations by Figg and Calvert (1987) indicated that most prairie mole cricket populations occur on silty to sandy loam dry-mesic prairies that are well drained. Adult prairie mole crickets become active in the soil surface twice during the year, most notably during the spring for courtship and reproduction (Figg and Calvert 1987). Males construct a specially designed burrow system several inches below the soil surface that contains a bulb-like resonant chamber that increases the acoustical output when males calls to attract females during courtship (Walker and Figg 1990). Adequate silt content of the soil may be critical to proper burrow construction because silt maintains a loose soil texture that may be more pliable to burrowing prairie mole crickets. Soil compaction, due to heavy grazing, may inhibit burrow construction. Therefore, it may be advantageous to eliminate heavy grazing and flash grazing from prairie mole cricket sites until more information is known.

This soil type may not really represent optimal habitat for prairie mole crickets, but simply habitat that is presently available and acceptable, as historically these areas were less likely to be plowed for crop land and were often used for grazing and hay production (Figg and Calvert 1987).

These survey results are for lek sites, which are not necessarily the sites crickets are living on all year long. Prairie mole crickets may aggregate in areas of shorter vegetation to call, but live in other areas the rest of the year (Dennis Figg, personal communication). The shorter vegetation in such lek sites is probably a result of a recent disturbance such as light grazing, fire, or mowing for hay (Collins and Gibson 1990). These disturbances reduce the dominance of the major prairie grasses, such as *Andropogon gerardii*, *Sorghastrum nutans*, *Andropogon scoparius*, and *Panicum virgatum*. This results in increased species diversity in these sites (Collins and Glenn 1988). Therefore, prairie hay meadows are often highly diverse examples of tallgrass prairie. Many of the positive prairie mole cricket sites sampled were hay meadows. The chronic nutrient loss by haying may have resulted in more *Andropogon virginicus* on the prairie mole cricket sites. *A. virginicus* is able to spread through nutrient poor areas and actually inhibits the growth of micro-organisms that are responsible for increasing soil nutrient content (Rice 1972).

VI. RECOMMENDATIONS

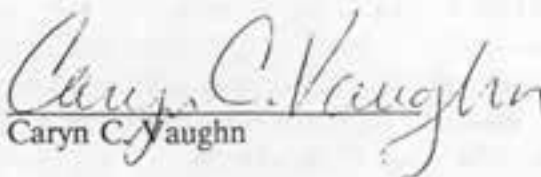
The prairie mole cricket sites tended to have a looser soil with significantly more silt than found on the negative sites. Prairie mole crickets may require such a soil type for burrow construction. Any activity that might change this soil structure should be avoided. Heavy grazing or flash grazing may result in soil compaction and would make burrowing more difficult. Driving, horse or hiking trails, water tanks or any other activity or structure that may compact the soil should be located away from prairie mole cricket sites. The correlation of positive prairie mole cricket sites with plant species diversity may be a result of previous land management as opposed to a factor controlling prairie mole cricket

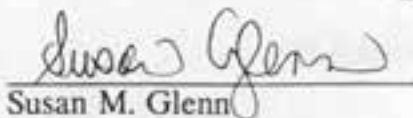
distribution. Prairie mole crickets, however, may be dependent on a highly diverse plant community. In that case, land use practices that decrease plant species diversity should be avoided. Land use practices that may reduce plant species diversity in grasslands include heavy grazing, frequent (annual) fires, infrequent (20 years or longer intervals), plowing, herbicides, and heavy use of fertilizers.

VII. ACKNOWLEDGEMENTS

We thank the numerous cooperative landowners for permission to sample on their property. Vegetation sampling was done by Ian Butler and Ernie Steinhauer. We thank Carter Miller for landowner contact, soil analysis, and data entry, and Tambra Browning for data entry. Forest Johnson assisted with plant identification.

VIII. PREPARED BY:


Caryn C. Vaughn


Susan M. Glenn


Ian H. Butler

Oklahoma Natural Heritage Inventory
Oklahoma Biological Survey
2001 Priestly Ave., Bldg. 605


DATE:

Revised, 21 June 1992

APPROVED:

Oklahoma Department of Wildlife Conservation

BY:


Harold Namminga
Federal Aid/Research Coordinator

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The first of the year was a very successful one for the school. The students showed a marked improvement in their work and the teachers were very pleased with the results.

The second of the year was also a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The third of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The fourth of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

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The eighth of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The ninth of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The tenth of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The eleventh of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

The twelfth of the year was a very successful one. The students continued to show improvement and the teachers were very pleased with the results.

Appendix 1. Prairie Mole Cricket Survey Form

PROBABILITY DISTRIBUTION

The probability distribution of a discrete random variable X is a function that gives the probability of each possible value of X . It is denoted by $P(X = x)$ or $P(x)$.

Let X be a discrete random variable with possible values x_1, x_2, \dots, x_n . The probability distribution of X is given by the following table:

Value of X	Probability $P(X = x_i)$
x_1	p_1
x_2	p_2
\vdots	\vdots
x_n	p_n

The probabilities p_1, p_2, \dots, p_n must satisfy the following conditions:

- $p_i \geq 0$ for all i .
- $p_1 + p_2 + \dots + p_n = 1$.

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Value of X	Probability $P(X = x_i)$
x_1	p_1
x_2	p_2
\vdots	\vdots
x_n	p_n

The probabilities p_1, p_2, \dots, p_n must satisfy the following conditions:

- $p_i \geq 0$ for all i .
- $p_1 + p_2 + \dots + p_n = 1$.

Example: Let X be a discrete random variable with possible values $1, 2, 3, 4, 5$. The probability distribution of X is given by the following table:

Value of X	Probability $P(X = x_i)$
1	$\frac{1}{5}$
2	$\frac{2}{5}$
3	$\frac{1}{5}$
4	$\frac{1}{5}$
5	$\frac{1}{5}$

PRAIRIE MOLE CRICKET SURVEY REPORT FORM
(instructions on back)

PLEASE RETURN BY JUNE 1, 1991
Oklahoma Natural Heritage Inventory
Oklahoma Biological Survey
2001 Priestly Ave., Bldg. 605
Norman, Oklahoma 73019

Cooperator: _____

(1) Sitename: _____ County: _____

(2) Date of Survey: _____ Time: _____

(3) Approximate size of prairie in acres: < 5 6-20 21-40 41-160 161-320 >320
other _____

(4) Directions to site (**attach a map**). Give township, range and section if possible.

(5) Characterize habitat: Tallgrass prairie____ Mixed grass prairie____
Pasture____ Crosstimbers____ Cemetery prairie____ Railroad prairie____
Roadside prairie____ Hay meadow____ Other____
Comments:

Describe surrounding area: Urban____ Agricultural____ Pasture____
Mining____ Oil drilling____ Forested____ Undisturbed____ Other____
Comments:

(6) Weather conditions during your visit:

(7) **MOLE CRICKETS WERE CALLING:** YES NO (Circle one)

(8) Characterize population. If you counted crickets and/or the number of burrows list the numbers in the comment field below.

- a. very few
 - b. seems to be in all available habitat
- comments:

(9) Did you collect a voucher specimen? _____ Where will it be deposited?

10) Additional comments on life history, habitat, observations, or other information:

INSTRUCTIONS

1. Clearly print name of site and county name.
2. Date and time of visit.
3. Size in acres. If known, simply fill in the blank at the end of the line with the number of acres. If unknown, circle the category that represents your best estimate of the acreage.
4. Give directions to site using established landmarks. An easier solution is to attach a good map and leave directions blank. 7.5 minute topographic map scale is best, but use what is available. If a map is used, be sure a town or established landmark is shown.
5. Characterize the habitat, i.e. Mesic Prairie, Oak Savannah, Wet Prairie dominated by Spartina, Dry Loess Hill Prairie, Glade with dolomite substrate, etc. Various programs and people describe plant and natural communities very differently. Provide enough information that to facilitate grouping similar habitats together. List dominant plants if possible. Also comment on management, both current and past (if known), i.e. hay meadows prairie, open range, heavily grazed prairie but now a city park, etc. Past management at sites that do not have mole cricket populations is also important. Add management information whether or not crickets are reported from a site.
6. Briefly describe temperature and moisture, i.e. cloudy, in the high 50's, rain within the last 24 hours but not at present. Again, describe weather conditions even if you report no crickets.
7. Yes or No. Circle correct answer.
8. Characterize population. Your best guesstimate about the number of calling males on the available habitat. Our experience has shown that if present, they are usually everywhere. Occasionally the population is only a few individuals in a localized area. Do describe them as everywhere or only on ridges, or only in low places, or common but spottedly distributed. This information, combined with the acreages, will prove helpful when combined with density measurements being collected in Missouri.
9. Do collect a voucher specimen if the population seems to be good. Either send the specimen to me, or deposit in an entomology museum in your state. Do not collect a voucher specimen if population appears to be low or if the prairie remnant is very small (<10 acres). Specimens can be pinned or preserved in alcohol.
10. Additional comments.

FIELD SURVEY: Survey on warm evenings when nighttime air temperatures are above 65°F. Take the cassette of the male call to the site. Listen to it several times, then slowly walk around the site listening for a similar call. Survey from about 10 minutes before the sun goes down until it is completely dark (about 45 min). You should be able to hear a mole cricket calling within 20 yds. When you hear a call, try to locate the burrow entrance from which the male calls. Entrances are about $\frac{1}{2}$ in. diameter and well hidden under prairie grasses.

Appendix 2. Summary of Vegetation Data by Site.

The file name is the site name. The first three letters of each file name refer to a county in Oklahoma.

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CHAPTER I

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Plant Species at Positive Prairie Mole Cricket Sites

Acalypha virginica
Achillea millefolium subsp. lanulosa
Ambrosia artemisiifolia(a. elatior)
Ambrosia psilotachya
Amorpha canescens
Andropogon gerardii
Andropogon saccharoides
Andropogon ternarium
Andropogon virginicus
Anemone caroliniana
silver annual, Unknown voucher af01
Antennaria neglecta var. neglecta (A. campestris)
Antennaria species
long ligule gr aristida, Unknown voucher pg04
Aristida oligantha
Aristida purpurea var. purpurea
Aristida species
Aristida sp., Unknown voucher pg02
arrowhead leaf
Artemisia ludoviciana(no var.)
Asclepias species
Asclepias viridiflora
Aster ericoides
frilly opp leaved aster, Unknown voucher pa13
hairy margin aster, Unknown voucher pa01
Aster sp. Unknown voucher pa02
Aster rosette, Unknown voucher pf07
Aster species
tall aster, Unknown voucher pf19
wavy-leaf aster
Baptisia bracteata var. glabrescens (b. leucophaea)
Bouteloua curtipendula
Bouteloua species
bright green grass, Unknown voucher pg09
Bromus inermis subsp. inermis
Bromus japonicus
Bromus species
Buchloe dactyloides
Callirhoe involucrata
Carex spp.
frilly, small, umbelliferae carrot
Ceanothus herbaceus var. pubescens
Cirsium undulatum
clasp leaf cone flower
clover, Unknown voucher al02
coarse aster
coneseed pod forb, Unknown voucher pf18
Conyza canadensis var. canadensis (erigeron canadensis)
Croton monanthogynus
Croton species
Croton texensis
Cuscuta glomerata
Cynodon dactylon
Dalea purpurea var. purpurea (petalostemon purpureum)
Daucus pucillie
Dichanthelium oligosanthos var. scribnerianum (panicum o.)
dicot seedling
Diodia teres
Echinacea angustifolia (e. pallida var. angustifolia)
Echinesia sp, Unknown voucher pa04
Elymus canadensis
Eragrostis species
Eragrostis spectabilis

Erigeron spp.
Erigeron strigosus var. strigosus
Euphorbia corollata
Euphorbia maculata = e. nutans
Euphorbia species
Evolvulus nuttallianus
Festuca elatior
stiff stemmed cone-flower, Unknown voucher pa16
Fragaria virginiana
grey-blue legume
large hairy green grass, Unknown voucher pg08
hairy rosette, Unknown voucher pf13
Happlopappus species
Hedyotis nigricans (houstonia nigricans)
Helianthus rigida
Helianthus species
Hymenoxys species (tall)
Juncus species
Juniperus virginiana
Lactuca ludoviciana
lance-leafforb saw margin
leaftop forb, Unknown voucher pf17
small legume, Unknown voucher al05
legume sp
unknown legume
Leptoloma cognatum
Lespedeza cuneata
big ligule lespedeza (pea), Unknown voucher pl06
Lespedeza species
Lespedeza stipulacea
Lespedeza unknown, Unknown voucher pl05
viney lespedeza, Unknown voucher pl05
Liatris punctata
Linum sulcatum
Lithospermum incisum
little red bark
long ligule forb
Lygodesmia texana
Manisuris cylindrica
Melilotus alba
Mentzelia species (orange)
Monarda citriodora
Monarda fistulosa var. fistulosa
Neptunia lytea
Northescordum bivalve
Oenothera linnifolia
Oenothera speciosa
Opuntia species
orange stem forb
Oxalis species
Oxalis stricta
Oxalis violacea
Panicum species
Panicum virgatum
Paspalum floridanum
Paspalum setaceum var. muhlenbergii
Paspallum sp, Unknown voucher pg07
Paspalum species
Penstemon cobaea var. cobaea
Penstemon species
Persimmon seedling
Unknown voucher pf01, possible mint
Physalis pumila
Physalis virginiana (no variety)
pinkstem forb

Plantago patagonica var. patagonica(p. purshii)
Poa pratensis
Polygala incarnata
Polygala verticillata
Prunus americana
Prunus sp.
Psoralea species
Psoralea tenuiflora var. floribunda
Pyovanthemum tenuifolium
Quercus stellata
Ranunculus species
Ratibida columnifera
Aster rosette, red and purple, pf16
Rhus glabra
Rhus species
Roak
Rosa species
forb rosettes
rough aster
rough rosette
rubbery forb, Unknown voucher pf06
Rubus ostryifolia
Rubus species
Rudbeckia hirta
Ruellia humilis
Ruellia sp.
Rumex altissimus
Rumex crispus
Sabatia campestris
Salvia azurea
Schedonnardus paniculatus
Schizachyrium scoparium
Schrunkia nuttallii
Schrunkia species
Scirpus species
Scutellaria parvula var. leonardii
Setaria geniculata
Setaria glauca (s. lutescens)
Setaria sp
Silphium laciniatum
silvery rosette
Sisyrinchium campestre
slender purple flower, Unknown voucher af05
Solanum carolinense
Solanum torreyi
lance leaf forb solidago
Solidago missouriensis fasciculata
red stemmed solidago, Unknown voucher pa14
Solidago species
Sorghastrum nutans (s. avenaceum)
Spiranthes vernalis
Sporobolus asper var. asper
Sporobolus cryptandrus
Sporobolus heterolepis
Sporobolus species
sticky sporobolus, Unknown voucher pg01
star ligule, hairy bunch lt. gr., ped ligule grass, pg06
wing stemmed susan, Unknown voucher pa17
Symphoricarpos orbiculatus
Toxicodendron radicans subsp. negundo (rhus radicans)
Tradescantia bracteata
Tragia-like tooth-leaf forb
Tragopogon dubius
Tridens flavus (triodia flava)
Tridens stricta

Triodanis perfoliata (specularia perfoliata)
Ulmus americana
Ulmus species
tall umbelliferae, Unknown voucher pa15
unknown voucher bla02
unknown small grass
unknown lilliaceae
unknown pink flower
Urtica chamaedryoides
Vernonia baldwinii var. interior
viney clover
Viola pratincola (v. missouriensis)
Viola species

001	agropy	smith	agropyron smithii	.
002	androp	gerar	andropogon gerardii	.
003	androp	scopa	andropogon scoparius	.
004	boutel	curti	bouteloua curtispindula	.
005	boutel	graci	bouteloua gracilis	.
006	boutel	hirsu	bouteloua hirsuta	.
007	buchlo	dacty	buchloe dactyloides	.
008	chlori	verti	chloris verticillata	.
009	elymus	canad	elymus canadensis	.
010	elymus	virgi	elymus virginicus	.
011	eragro	spect	eragrostis spectabilis	.
012	koeler	pyram	koeleria pyramidata (k. cristata)	.
013	muhlen	cuspi	muhlenbergia cuspidata	.
014	dichan	oligo scri	dichanthelium oligosanthos var scribnerianum (panicum o.)	.
015	panicu	virga	panicum virgatum	.
016	dichan	acumi	dichanthelium acuminatum (panicum praecocius)	.
017	poa	prate	poa pratensis	.
018	sorgha	nutan	sorghastrum nutans (s. avenaceum)	.
019	sparti	pecti	spartina pectinata	.
020	spheno	obtus obtu	sphenopholis obtusata var. obtusata	.
021	sporob	asper aspe	sporobolus asper var. asper	.
022	sporob	crypt	sporobolus cryptandrus	.
023	sporob	heter	sporobolus heterolepis	.
024	aristi	oliga	aristida oligantha	.
025	bromus	japon	bromus japonicus	.
026	bromus	tecto	bromus tectorum	.
027	festuc	octof	festuca octoflora	.
028	hordeu	pusil	hordeum pusillum	.
029	panicu	capil	panicum capillare	.
030	schedo	panic	schedonnardus paniculatus	.
031	carex	brevi	carex brevior	.
032	carex	gravi lune	carex grvida var. lunelliana	.
033	carex	helio	carex heliophila	.
034	carex	meadi	carex meadii	.
035	carex	bland	carex blanda	.
036	cyperu	lupul lupu	cyperus lupulinus subsp. lupulinus (C. filiculmis)	.
037	cyperu	schwe	cyperus schweinitzii	.
038	eleoch	compr	eleocharis compressa	.
039	eleoch	eryth	eleocharis erythropoda	.
040	amorph	canes	amorpha canescens	.
041	ceanot	herba pube	ceanothus herbaceus var. pubescens	.
042	rosa	arkan	rosa arkansana (r. suffulta)	.
043	sympho	orbic	symphoricarpos orbiculatus	.
044	achill	mille lanu	achillea millefolium subsp. lanulosa	.
045	allium	canad	allium canadense	.
046	ambros	psilo	ambrosia psilotachya	.
047	andros	occid	androsace occidentalis	.
048	anemon	carol	anemone caroliniana	.
049	antenn	negle negl	antennaria neglecta var. neglecta (A. campestris)	.
050	apocyn	canna	apocynum cannabinum (including a. sibiricum)	.
051	argemo	polya	argemone polyanthemus	.
052	artemi	ludov ludo	artemisia ludoviciana var. ludoviciana	.
053	asclep	lanug	asclepias lanuginosa (probably a. viridiflora)	.
054	asclep	steno	asclepias stenophylla	.
055	asclep	verti	asclepias verticillata	.
056	asclep	virids	asclepias viridis	.
057	asclep	tuber inte	asclepias tuberosa subsp. interior	.
058	aster	erico	aster ericoides	.
059	aster	oblon	aster oblongifolius	.
060	aster	seric	aster sericeus	.
061	astrag	cras cras	astragalus crassicaucus var. crassicaucus	.
062	astrag	lotif	astragalus lotiflorus	.
063	astrag	platt	astragalus plattensis	.
064	astrag	canad	astragalus canadensis	.

065	baptis	austr	mino	baptisia	australis	var. minor	.
066	baptis	bract	glab	baptisia	bracteata	var. glabrescens (b. leucophaea)	.
067	cacali	plant		cacalia	plantaginea	(c. tuberosa)	.
068	callir	alcae		callirhoe	alcaeoides		.
069	callir	invol		callirhoe	involucrata		.
070	cirsiu	undul		cirsium	undulatum		.
071	conyza	canad	cana	conyza	canadensis	var. canadensis (erigeron canadensis)	.
072	croton	monan		croton	monanthogynus		.
073	delphi	carol	vire	delphinium	carolinianum	subsp. virescens (d. virescens)	.
074	descur	pinna	brac	descurainia	pinnata	var. brachycarpa	.
075	draba	repta		draba	reptans		.
076	echina	angus		echinacea	angustifolia	(e. pallida var. angustifolia)	.
077	eriger	strig	stri	erigeron	strigosus	var. strigosus	.
078	euphor	margi		euphorbia	marginata		.
079	euphor	spath		euphorbia	spathulata		.
080	euphor	glypt		euphorbia	glyptosperma		.
081	gerani	carol		geranium	carolinianum		.
082	hedecom	hispi		hedecoma	hispidia		.
083	hierac	longi		hieracium	longipilum		.
084	hybant	verti		hybanthus	verticillatus		.
085	hymeno	scabi	cory	hymenopappus	scabiosaeus	var. corymbosus	.
086	kuhnia	eupat	cory	kuhnia	eupatoroides	var. corymbulosa	.
087	lactuc	serri		lactuca	serriola		.
088	lathyr	polym	poly	lathyrus	polymorphus	var. polymorphus	.
089	lepidi	densi		lepidium	densiflorum		.
090	lesped	capit		lespedeza	capitata		.
091	liatri	punct		liatris	punctata		.
092	linum	sulca		linum	sulcatum		.
093	lithos	incis		lithospermum	incisum		.
094	lomati	foeni		lomatum	foeniculaceum		.
095	micros	cuspi		microseris	cuspidata		.
096	coryph	misso	miss	coryphantha	missouriensis	var. missouriensis (Mamillaria mi.	.
097	oenoth	macro	macr	oenothera	macrocarpa	subsp. macrocarpa (o. missouriensis)	.
098	artems	ludov		artemisia	ludoviciana	(no var.) see also 52 and 267	.
099	oenoth	speci		oenothera	speciosa		.
100	oenoth	bienn		oenothera	biennis		.
101	opunti	macro	macr	opuntia	macrorrhiza	var. macrorrhiza	.
102	oxalis	stric		oxalis	stricta		.
103	oxalis	viola		oxalis	violacea		.
104	penste	cobae	coba	penstemon	cobaea	var. cobaea	.
105	penste	grand		penstemon	grandiflorus		.
106	dalea	candi	cand	dalea	candida	var. candida (petalostemon candidum)	.
107	dalea	multi		dalea	multiflora	(petalostemon multiflorum)	.
108	dalea	candi	olig	dalea	candida	var. oligophylla (petalostemon occidentale)	.
109	dalea	purpu	purp	dalea	purpurea	var. purpurea (petalostemon purpureum)	.
110	lactuc	salig		lactuca	saligna		.
111	physal	pumil		physalis	pumila		.
112	physal	virgi		physalis	virginiana	(no variety) (see 171/207/and 345)	.
113	cratae	molli		crataegus	mollis	(formerly c. coccinoides)	.
114	planta	rhodo		plantago	rhodosperma		.
115	polyga	verti		polygala	verticillata		.
116	psoral	escul		psoralea	esculenta		.
117	psoral	tenui	flor	psoralea	tenuiflora	var. floribunda	.
118	ratibi	colum		ratibida	columnifera		.
119	rudbec	hirta		rudbeckia	hirta		.
120	ruelli	humil		ruellia	humilis		.
121	salvia	pitch		salvia	pitcheri	(s. azurea var. grandiflora)	.
122	schran	nutta		schrankia	nuttallii		.
123	seneci	platt		senecio	plattensis		.
124	silene	antir		silene	antirrhina		.
125	sisyri	campe		sisyrinchium	campestre		.
126	solanu	carol		solanum	carolinense		.
127	solida	canad	scab	solidago	canadensis	var. scabra	.
128	solida	misso	fasc	solidago	missouriensis	fasciculata	.

129	solida	molli		solidago mollis	.
130	solida	rigid	humi	solidago rigida var. humilis	.
131	solida	speci	rigi	solidago speciosa var. rigiduscula	.
132	spermo	inerm		spermolepis inermis	.
133	trades	bract		tradescantia bracteata	.
134	tragia	beton		tragia betonicifolia (t. urticifolia)	.
135	tragop	dubiu		tragopogon dubius	.
136	trioda	lepto		triodanis leptocarpa (specularia leptocarpa)	.
137	trioda	perfo		triodanis perfoliata (specularia perfoliata)	.
138	verben	bipin		verbena bipinnatifida (glandularia bipinnatifida)	.
139	verben	stric		verbena stricta	.
140	vernon	baldw	inte	vernonia baldwinii var. interior	.
141	viola	rafin		viola rafinesquii	.
142	galium	apari		galium aparine	.
143	lesped	viola		lespedeza violacea	.
144	psoral	argop		psoralea argophylla	.
145	desmod	illin		desmodium illinoense	.
146	juncus	inter		juncus interior	.
147	viola	pedat		viola pedatifida	.
148	prunus	ameri		prunus americana	.
149	scutel	parvu	leon	scutellaria parvula var. leonardii	.
150	agrost	hyema		agrostis hyemalis	.
151	lesped	stipu		lespedeza stipulacea	.
152	asclep	viridf		asclepias viridiflora	.
153	eupato	rugos		eupatorium rugosum	.
154	comand	umbel	pall	comandra umbellata subsp. pallida	.
155	agalin	asper		agalinis aspera (gerardia aspera)	.
156	acalyp	virgi		acalypha virginica	.
157	myosot	verna		myosotis verna	.
158	ulmus	ameri		ulmus americana	.
159	pariet	pensy		parietaria pensylvanica	.
160	ambros	trifi		ambrosia trifida	.
161	asclep	syria		asclepias syriaca	.
162	taraxa	offic		taraxacum officinale	.
163	medica	lupul		medicago lupulina	.
164	cornus	drumm		cornus drummondii	.
165	cyperu	spp		cyperus spp.	.
166	chenop	album		chenopodium album	.
167	panicu	perlo		panicum perlongum	.
168	leptol	cogna		leptoloma cognatum	.
169	capsel	bursa		capsella bursa-pastoris	.
170	stroph	leios		strophostyles leiosperma	.
171	physal	virgi	sono	physalis virginiana var. sonorae	.
172	euphor	corol		euphorbia corollata	.
173	aster	sp		aster species	.
174	gaura	parvi		gaura parviflora	.
175	zigade	nutta		zigadenus nuttallii	.
176	onosmo	molle	occi	onosmodium molle var. occidentale	.
177	rumex	crisp		rumex crispus	.
178	bromus	inerm	iner	bromus inermis subsp. inermis	.
179	prunel	vulga		prunella vulgaris	.
180	teucri	canad	virg	teucrium canadense var. virginicum	.
181	equise	laevi		equisetum laevigatum	.
182	lotus	corni		lotus corniculatus	.
183	grinde	squar	squa	grindelia squarrosa var. squarrosa	.
184	rumex	altis		rumex altissimus	.
185	calyst	macou		calystegia macounii (convolvulus sepium)	.
186	melilo	offic		mellilotus officinalis	.
187	verbas	blatt		verbascum blattaria	.
188	silphi	integ	laev	silphium integrifolium var. laeve (s. speciosum)	.
189	tripsa	dacty		tripsacum dactyloides	.
190	setari	glauc		setaria glauca (s. lutescens)	.
191	lycopu	ameri		lycopus americanus	.
192	cynanc	laeve		cynanchum laeve	.

193	euphor	denta		euphorbia dentata	.
194	physal	heter		physalis heterophylla	.
195	digita	sangu		digitaria sanguinalis	.
196	heliop	helia	scab	heliopsis helianthoides var. scabra	.
197	carduu	nutan		carduus nutans	.
198	nepeta	catar		nepeta cataria	.
199	gledit	triac		gleditsia triacanthos	.
200	celtis	occid		celtis occidentalis	.
201	silphi	integ	inte	silphium integrifolium var. integrifolium	.
202	mirabi	nycta		mirabilis nyctaginea	.
203	cyperu	odora		cyperus odoratus (c. ferruginescens)	.
204	acalyp	ostru		acalypha ostryaefolia	.
205	polygo	ramos		polygonum ramosissimum	.
206	viola	prati		viola pratensis (v. missouriensis)	.
207	physal	virgi	virg	physalis virginiana var. virginiana(see 112,171,345)	.
208	solanu	rostr		solanum rostratum	.
209	setari	virid		setaria viridis	.
210	carex	spp.		carex spp.	.
211	ambros	artem		ambrosia artemisiifolia(a. elatior)	.
212	amaran	rudis		amaranthus rudis(acnida tamariscina)	.
213	amaran	retro		amaranthus retroflexus	.
214	cucurb	foeti		cucurbita foetidissima	.
215	amaran	graec		amaranthus graecizans	.
216	euphor	serpe		euphorbia serpens	.
217	helian	annuu		helianthus annuus	.
218	triden	flavu		tridens flavus (triodia flava)	.
219	parthe	quinq		parthenocissus quinquefolia	.
220	polygo	scand		(polygonum scandens)	.
221	sporob	negle		sporobolus neglectus (s. vaginiflorus var. neglectus)	.
222	rosa	bland		rosa blanda	.
223	hedyot	nigri		hedyotis nigricans (houstonia nigricans)	.
224	verben	canad		verbena canadensis (glandularia canadensis)	.
225	mentze	oligo		mentzelia oligosperma	.
226	euphor	stict		euphorbia stictospora	.
227	vicia	ameri	mino	vicia americana var. minor	.
228	mirabi	albid		mirabilis albida	.
229	dicant	obtus		dicantherium obtusum (panicum obtusum)	.
230	sambuc	canad		sambucus canadensis	.
231	toxico	radic	negu	toxicodendron radicans subsp. negundo (rhus radicans)	.
232	menisp	canad		menispermum canadense	.
233	planta	virgi		plantago virginica	.
234	rhus	glabr		rhus glabra	.
235	roripp	sinua		rorippa sinuata	.
236	hordeu	jubat		hordeum jubatum	.
237	carex	annec	xant	carex annectens var. xanthocarpa	.
238	juncus	dudle		juncus dudleyi	.
239	scirpu	linea		scirpus lineatus(now included in s. pendulus,297)	.
240	amorph	fruti		amorpha fruticosa	.
241	morus	rubra		morus rubra	.
242	juncus	torre		juncus torreyi	.
243	eriger	spp.		erigeron spp.	.
244	scripu	atrov		scirpus atrovirens	.
245	allium	sp		allium species	.
246	chenop	berla	zsch	chenopodium berlandieri var. zschackei	.
247	lythru	alatu	alat	lythrum alatum var. alatum	.
248	euphor	corol		euphorbia corollata(duplicate of 172)	.
249	melilo	alba		melilotus alba	.
250	euphor	pubis		euphorbia pubiserrate(??)	.
251	dicant	acumi	vill	dicantherium acuminatum var.villosum(panicum villosissimu.	.
252	lesped	viola		lespedeza violacea(duplicate of 143)	.
253	mirabi	linea		mirabilis linearis	.
254	lythru	sp		lythrum species	.
255	monard	fistu	fist	monarda fistulosa var. fistulosa	.
256	tricho	brach		trichostema brachiatum(isanthus brachiatus)	.

257	acalyp	monoc	acalypha monococca	
258	probos	louis	proboscidea louisianica	
259	monard	citri	monarda citriodora	
260	zizia	aurea	zizia aurea	
261	torili	arven	torilis arvensis	
262	rhus	aroma arom	rhus aromatica var. aromatica	
263	rhus	aroma sero	rhus aromatica var. serotina	
264	arisa	draco	arisaema dracontium	
265	asclep	sulli	asclepias sullivantii	
266	krigia	oppos	krigia oppositifolia	
267	artemi	ludov mexi	artemisia ludoviciana var. mexicana (see also 98 and 52)	
268	sonchu	asper	sonchus asper	
269	xanthi	strum cana	xanthium strumarium var. canadense	
270	aster	simpl ramo	aster simplex var. ramosissimus	
271	helian	petio peti	helianthus petiolaris var. petiolaris	
272	dyssod	pappo	dyssodia papposa	
273	lactuc	canad	(lactuca canadensis)	
274	conyza	ramos	conyza ramosissima	
275	silphi	lacin	silphium laciniatum	
276	cynogl	offic	cynoglossum officinale	
277	hackel	virgi	hackelia virginiana	
278	nastur	offic	nasturtium officinale	
279	erysim	repan	erysimum repandum	
280	roripp	palus	rorippa palustris	
281	lobeli	cardi	lobelia cardinalis	
282	campan	ameri	campanula americana	
282	cannab	sativ sati	cannabis sativa subsp. sativa	
284	triost	perfo perf	triosteum perfoliatum var. perfoliatum	
285	silene	stell	silene stellata	
286	euonym	atrop	euonymus atropurpureus	
287	chenop	gigan	chenopodium gigantospermum	
288	chenop	palle	chenopodium pallescens	
289	kochia	scopa	kochia scoparia	
290	commel	erect angu	commelina erecta var. angustifolia	
291	convol	arven	convolvulus arvensis	
292	pentho	sedoi	penthorum sedoides	
293	junipe	virgi	juniperus virginiana	
294	lepidi	sp	lepidium species	
295	carex	hyste	carex hystericina	
296	scirpu	valid	scirpus validus	
297	scirpu	pendu	scirpus pendulus	
298	cyperu	acumi	cyperus acuminatus	
299	euphor	prost	euphorbia prostrata	
300	euphor	nutan	euphorbia nutans	
301	euphor	missu	euphorbia missurica	
302	euphor	cyath	euphorbia cyathophora	
303	croton	capit	croton capitatus	
304	quercu	muehl	quercus muehlenbergii	
305	quercu	macro	quercus macrocarpa	
306	hyperic	perfo	hypericum perforatum	
307	aescul	glabr argu	aesculus glabra var. arguta	
308	sisyri	angus	(sisyrinchium angustifolium)	
309	carya	cordi	carya cordiformis	
310	juglan	nigra	juglans nigra	
311	agasta	nepet	agastache nepetoides	
312	mentha	arven	mentha arvensis	
313	salvia	refle	salvia reflexa	
314	stachy	palus	(stachys palustris)	
315	leonur	cardi	leonurus cardiaca	
316	yucca	glauc	yucca glauca	
317	gymnoc	dioic	gymnocladus dioica	
318	crotal	sagit	crotalaria sagittalis	
319	glycyr	lepid	glycyrrhiza lepidota	
320	desmod	gluti	desmodium glutinosum	

321	desman	illin		desmanthus illinoensis	.
322	cassia	maril		cassia marilandica	.
323	cassia	chama		cassia chamaecrista (c. fasciculata)	.
324	cercis	canad		cercis canadensis	.
325	abutil	theop		abutilon theophrasti	.
326	hibisc	trion		hibiscus trionum	.
327	malvas	hispi		malvastrum hispidum (sphaeralcea angusta)	.
328	morus	alba		morus alba	.
329	fraxin	penns	subi	fraxinus pennsylvanica var. subintegerrima	.
330	calylo	serru		calylophus serrulatus (oenothera serrulata)	.
331	oenoth	villo	vill	oenothera villosa subsp. villosa(o. strigosa)	.
332	spiran	verna		spiranthes vernalis	.
333	descui	sp		descuirainia species	.
334	phryma	lepto		phryma leptostachya	.
335	phytol	ameri		phytolacca americana	.
336	planta	rugel		plantago rugelii	.
337	planta	arist		plantago aristata	.
338	planta	patag	pata	plantago patagonica var. patagonica(p. purshii)	.
339	platan	occid		platanus occidentalis	.
340	muhlen	racem		muhlenbergia racemosa	.
341	muhlen	frond		muhlenbergia frondosa	.
342	panicu	lanug	fasc	panicum lanuginosum var.fasciculatum(p. villosissimum)	.
343	aristi	purpu	purp	aristida purpurea var. purpurea	.
344	cenchr	longi		cenchrus longispinus	.
345	physal	virgi	hisp	physalis virginiana var. hispida	.
346	mimulu	glabr	frem	mimulus glabratus var. fremontii	.
347	leucos	multi		leucospora multifida (conobea multifida)	.
348	bacopa	rotun		bacopa rotundifolia	.
349	ribes	misso		ribes missouriense	.
350	comman	umbel	umbe	(commandra umbellata subsp. umbellata)(misidentified)	.
351	salix	exigu	inte	salix exigua subsp. interior	.
352	salix	nigra		salix nigra	.
353	salix	amygd		salix amygdaloides	.
354	populu	deltu	moni	populus deltoides subsp. monilifera	.
355	zantho	ameri		zanthoxylum americanum	.
356	galium	circa		galium circaezans	.
357	geum	canad		geum canadense	.
358	fragar	virgi		fragaria virginiana	.
359	prunus	angus		prunus angustifolia	.
360	prunus	besse		(prunus besseyi - misidentified)	.
361	rubus	ostr		rubus ostryifolia	.
362	smilax	hispi		smilax hispida	.
363	clemat	pitch		clematis pitcheri	.
364	thalic	dasyc		thalictrum dasycarpum	.
365	nothol	dealb		notholaena dealbata	.
366	pellae	glabe	glab	pellaea glabella var. glabella	.
367	woods	obtus		woodsia obtusa	.
368	polygo	achor		polygonum achoreum	.
369	polygo	lapat		polygonum lapathifolium	.
370	polygo	pensy		polygonum pensylvanicum	.
371	polygo	persi		polygonum persicaria	.
372	polygo	punct		polygonum punctatum	.
373	stipa	spart		stipa spartea	.
374	sitani	hystr	brev	sitanion hystrix var. brevifolium	.
375	glycer	stria		glyceria striata	.
376	leersi	oryzo		leersia oryzoides	.
377	hystri	patul		hystrix patula	.
378	paspal	setac	muhl	paspalum setaceum var. muhlenbergii	.
379	echino	crusg		echinochloa crusgalli	.
380	verben	bract		verbena bracteata	.
381	verben	urtic		verbena urticifolia	.
382	tilia	ameri		tilia americana	.
383	typha	latif		typha latifolia	.
384	solanu	ameri		solanum americanum (s. nigrum)	.

385	physal	pubes	miss	physalis	pubescens	var.	missouriensis	.
386	veroni	caten	cate	veronica	catenata	var.	catenata	.
387	verbas	thaps		verbascum	thapsus			.
388	scroph	lance		scrophularia	lanceolata			.
389	liatri	asper		liatris	aspera			.
390	tribul	terre		tribulus	terrestris			.
391	vitis	ripar		vitis	riparia			.
392	botryc	virgi		botrychium	virginianum			.
393	ruelli	strep		ruellia	strepens			.
394	acer	negun		acer	negundo			.
395	asimin	trilo		asimina	triloba			.
396	chaero	procu		chaerophyllum	procumbens			.
397	sanicu	canad		sanicula	canadensis			.
398	arctiu	minus		arctium	minus			.
399	aster	drumm		aster	drummondii			.
400	aster	laevi		aster	laevis			.
401	aster	subul	ligu	aster	subulatus	var.	ligulatus	.
402	bidens	bipin		bidens	bipinnata			.
403	bidens	cernu		bidens	cernua			.
404	bidens	frond		bidens	frondosa			.
405	bidens	polyl		bidens	polylepis			.
406	chryso	canes		chrysopsis	canescens			.
407	cirsiu	altis		cirsium	altissimum			.
408	cirsiu	vulga		cirsium	vulgare			.
409	eriger	phila		erigeron	philadelphicus			.
410	eupato	altis		eupatorium	altissimum			.
411	helian	tuber		helianthus	tuberosus			.
412	liatri	mucro		liatris	mucronata			.
413	verbes	alter		verbesina	alternifolia			.
414	ostrya	virgi		ostrya	virginiana			.
415	lithos	arven		lithospermum	arvense			.
416	lithos	canes		lithospermum	canescens			.
417	alliar	petio		alliaria	petiolata			.
418	cameli	micro		camelina	microcarpa			.
419	dentar	lacin		dentaria	laciniata			.
420	draba	cunei		draba	cuneifolia			.
421	hesper	matro		hesperis	matronalis			.
422	thlasp	arven		thlaspi	arvense			.
423	lobeli	siphi		lobelia	siphilitica			.
424	dianth	armer		dianthus	armeria			.
425	celast	scand		celastrus	scandens			.
426	chenop	stand		chenopodium	standleyanum	(c.	boscianum)	.
427	monole	nutta		monolepis	nuttalliana			.
428	evolvu	nutta		evolvulus	nuttallianus			.
429	ipomoe	heder		ipomoea	hederacea			.
430	sicyos	angul		sicyos	angulatus			.
431	cuscut	glome		cuscuta	glomerata			.
432	astrag	misso		astragalus	missouriensis			.
433	desmod	panic	dill	desmodium	paniculatum	var.	dillenii	.
434	desmod	sessi		desmodium	sessilifolium			.
435	coryda	micra		corydalis	micrantha			.
436	dicent	cucul		dicentra	cucullaria			.
437	ellisi	nycte		ellisia	nyctelea			.
438	ammann	cocci		ammannia	coccinea			.
439	sida	spino		sida	spinosa			.
440	maclur	pomif		maclura	pomifera			.
441	stemos	linif		stemosiphon	linifolius			.
442	phlox	divar	laph	phlox	divaricata	var.	laphamii	.
443	polygo	amphi	emer	polygonum	amphibium	var.	emersum (p. coccineum)	.
444	portul	olera		portulaca	oleracea			.
445	lysima	cilia		lysimachia	ciliata			.
446	ranunc	abort		ranunculus	abortivus			.
447	prunus	virgi		prunus	virginiana			.
448	penste	tubae	tuba	penstemon	tubaeiflorus	var.	tubaeiflorus	.

449	tomant densi		tomanthera densiflora (gerardia densiflora)	.
450	veroni pereg	xala	veronica peregrina var. xalapensis	.
451	urtica dioic	grac	urtica dioica subsp. gracilis	.
452	lippia lance		lippia lanceolata (phyla lanceolata)	.
453	verben hasta		verbena hastata	.
454	alisma subco		alisma subcordatum	.
455	sagitt latif		sagittaria latifolia	.
456	trades ohien		tradescantia ohiensis	.
457	allium stell		allium stellatum	.
458	aspara offic		asparagus officinalis	.
459	erythr albid		erythronium albidum	.
460	najas guada		najas guadalupensis	.
461	agrost stolo	majo	agrostis stolonifera var. major (a. alba)	.
462	androp ischa	song	andropogon ischaemum var. songaricus	.
463	erioch contr		eriochloa contracta	.
464	phleum prate		phleum pratense	.
465	potamo folio		potamogeton foliosus	.
466	potamo nodos		potamogeton nodosus	.
467	potamo pusil	pusi	potamogeton pusillus var. pusillus	.
468	veroni agres		veronica agrestis	.
469	stroph helvo		strophostyles helvola	.
470	lactuc ludov		lactuca ludoviciana	.
471	gailla pulch		gaillardia pulchella	.
472	psoral sp		psoralea species	.
473	indigo lepto		indigofera leptosepala	.
474	schran ucina		schrankia ucinata	.
475	physal sp		physalis species	.
476	asclep sp		asclepias species	.
477	croton texen		croton texensis	.
478	acacia hirta		acacia hirta	.
479	acalyp graci		acalypha gracilans	.
480	dithyr wisli		dithyrea wislizenic	.
481	theles filif		thelesperma filifolia	.
482	teucri sp		teucrium species	.
483	aphano sp		aphanostephus species	.
484	mimosa borea		mimosa borealis	.
485	solanu elaeq		solanum elaeagnifolium	.
486	penste fendl		penstemon fendleri	.
487	engelm pinna		engelmannia pinnatifida	.
488	chryop pilos		chryopsis pilosa	.
489	ephedr sp		ephedra species	.
490	lesque gordo		lesquerella gordonii	.
491	bromus uniol		bromus unioloides	.
492	ziziph sp		ziziphus species	.
493	unknow forb1		unknown forb 1 (B1R2 El Reno 6/89)	.
494	sphaer cocci		sphaeralcea coccinea	.
495	evax verna		evax verna	.
496	unknow forb2		unknown forb 2 (B1R5 El Reno 6/89)	.
497	dantho sp		danthomia species	.
498	cholla sp		cholla species	.
499	trioda sp		triodanus species	.
500	hymeno sp		hymenoxys species (tall)	.
501	unknow umbel		unknown umbel forb	.
502	astrag sp		astragalus species	.
503	lamium sp		lamium species	.
504	paronc sp		paronchia species	.
505	pyncnan sp		pyncnanthemum species	.
506	castil citri		castilleja citrina	.
507	planta sp		plantago species	.
508	muhlen sp		muhlenbergia species	.
509	prosop gland		prosopis glandulosa	.
510	amphia dracu		amphiachyris dracunculoides	.
511	chryso villo		chrysopsis villosa	.
512	solanu torre		solanum torreyi	.

513 helian sp	helianthus species
514 seneci ridde	senecio riddellii
515 liatri sp	liatris species
516 solida sp	solidago species
517 artilu sp	artiludo species
518 eriogo annuu	erionum annuum
519 quercu havar	quercus havardii
520 artemi filif	artemisia filifolia
521 nama steve	nama stevesii
522 erodiu texan	erodium texanum
523 lesped virgi	lespedeza virginica
524 zinnia grand	zinnia grandifolia
525 stylos biflo	stylosanthes biflora
526 chaema conio	chaemaesarcha conioides
527 ceanot ameri	ceanothus americanus
528 echino texen	echinocactus texensis
529 gailla suavi	gaillardia suavis
530 chaeto aster	chaetopappa asteroides
531 crypta minim	cryptantha minima
532 euphor sp	euphorbia species
533 eryngi leave	eryngium leavenworthii
534 boutel sp	bouteloua species
535 melamp sp	melampodium species
536 dalea ennea	dalea enneandra
537 xanthi texan	xanthisma texanum
538 gailla serot	gaillardia serotinum
539 unknow grass	unknown grass (yellow strap-like leaves)
540 castil cocci	castilleja coccinea
541 monard sp	monarda species
542 phacel integ	phacelia integrifolia
543 ambros biden	ambrosia bidentat
544 verben pumil	verbena pumila
545 linum rigid	linum rigidum
546 psilos villo	psilostrophe villosa
547 matele sp	matellea species
548 gutier sarot	gutierrezia sarothrae
549 linum lewis	linum lewisii
550 pyrrho sp	pyrrhopappus species
551 echino reich	echinocereus reichenbachii
552 arnogl plant	arnoglossum plantagineum
553 aster pilos	aster pilosus
554 kramer lance	krameria lenceolata
555 callir sp	callirhoe species
556 oxalis sp	oxalis species
557 baptis sp	baptisia species
558 aster praea	aster praealtus
559 silene sp	silene species
560 astran integ	astranthium integrifolium
561 trades sp	tradescantia species
562 primul sp	primulaceae species
563 cirsiu texan	cirsium texanum
564 coreop grand	coreopsis grandiflora
565 eupato serot	eupatorium serotinum
566 eutham gymno	euthamia gymnospermoides
567 cnidos texan	cnidosculus texanus
568 euphor supin	euphorbia supina
569 ent. benth	ent. benothera
570 heleni flexu	helenium flexuosum
571 rhus copal	rhus copallina
572 gaura sp	gaura species (velvety)
573 phylla sp	phyllanthus
574 asclep arena	asclepias arenaria
575 chenop sp	chenopodium species
576 prunus sp	prunus species

577 helian gross	helianthus grosseserratus
578 lygodi aphyll	lygodismia aphylla
579 lappul sp	lappula species
580 helian molli	helianthus mollis
581 polyga alba	polygala alba
582 centau ameri	centaurea americana
583 pseudo echin	pseudo echinacea
584 asclep engel	ascelpias engelmania
585 unknos funny	funny unknown plant
586 celtis retic	celtis reticulata
587 cactus penci	pencil cactus
588 mentze sp	mentzelia species (orange)
589 panicu biars	panicum biars
590 lindhe texan	lindheimera texana
591 mentze sp2	mentzelia species (white)
592 liatri pycno	liatris pycnostachya
593 linum sp	linum species (orange)
594 euphor sp	euphorbiaceae species
595 sedum sp	sedum species
596 rudbec grand	rudbeckia grandiflora
597 mamill sp	mamillaria species
598 dalea eupho	dalea euphorbia
599 solida altis	solidago altissima
600 vernon arkan	vernonia arkansana
601 amorph sp	amorpha species
602 cornus sp	cornus species
603 happlo sp	happlopappus species
604 oroban sp	orobanche species
605 androp virgi	andropogon virginicus
606 junipe sp	juniperus species
607 cyperu ovula	cyperus ovularis
608 bromus sp	bromus species
609 coelor cylin	coelorachis cylindrica
610 eragro inter	eragrostis intermedia
611 festuc prate	festuca pratensis
612 paspal flori	paspalum floridanum
613 paspal sp	paspalum species
614 setari genic	setaria geniculata
615 triden stric	tridens stricta
616 physos angus	physostegia angustifolia
617 pycnan tenui	pycnanthemum tenuifolium
618 salvia azure	salvia azurea
619 baptis lacte	baptisia lactea
620 neptun lytea	neptunia lytea
621 tephro virgi	tephrosia virginiana
622 gaura longi	gaura longifolium
623 phlox pilos	phlox pilosa
624 rubus sp	rubus species
625 cicuta macul	cicuta maculata
626 eryngi yucci	eryngium yuccifolium
627 ptilim nutta	ptilimnium nuttallii
628 zizia sp	zizia species
629 valer radia	valerinella radiata
630 unknow forb1	unknown forb (blr1 konza 6/89)
631 unknow forb2	unknown forb with white sap (blr7 knoza 9/89)
632 hetero pilos	heterotheca pilosa
633 gnapha obtus	gnaphalium obtusifolium
634 ratibi pinna	ratibida pinnata
635 scleri sp	scleria species
636 sabati campe	sabatia campestris
637 bothri sacch	bothriochloa saccharoides
638 allium bival	allium bivalve
639 spiran lacer	spiranthes lacera
640 diodia teres	diodia teres

641 buchne ameri	buchnera americana
642 polyta nutta	polytaenia nuttallii
643 aster paten	aster patens
644 heleni amaru	helenium amarum
645 vernon sp	vernonia species
646 aristi sp	aristida species
647 juncus sp	juncus species
648 diodia sp	diodia species
649 agalin sp	agalinis species
650 viola sagit	viola sagittata
651 ascelp hirte	ascelpias hirtella
652 lobeli spica	lobelia spicata
653 iva sp	iva species
654 krigia sp	krigia species
655 liatri squar	liatris squarrosa
656 diospy virgi	diospyros virginiana
657 trania sp	trania species
658 agrost sp	agrostis species
659 panicu ancep	panicum anceps
660 paspal laeve	paspalum laeve
661 sisyri sp	sisyrinchium species
662 psoral psora	psoralea psoralloides
663 trifol campe	trifolium campestre/dubium
664 oenoth linni	oenothera linnifolia
665 solanu sp	solanum species
666 spermo sp	spermolepis species
667 asclep latif	ascelpias latifolia
668 unknow forb3	unknown forb3 (blr0 El Reno 11/89)
669 unknow forb4	unknown forb seedlings (Bl El Reno 11/89)
670 eleoch sp	eleocharis species
671 sabati sp	sabatia species
672 elymus sp	elymus species
673 eragro sp	eragrostis species
674 setari sp	setaria sp
675 lesped cunea	lespedeza cuneata
676 orchid sp	unknown orchid
677 polyga incar	polygala incarnata
678 polyga sangu	polygala sanguinea
679 housto sp	houstonia species
680 penste sp	penstemon species
681 rhus sp	rhus species
682 apocyn sp	apocynum species
683 acalyp sp	acalypha species
684 tragia sp	tragia species
685 rosa sp	rosa species
686 chrysa leuca	chrysanthemum leucanthemum
687 gnapha sp	gnaphalium species
688 parthe integ	parthenium integrifolium
689 rhynch sp	rhynchospora species
690 poa sp	poa species
691 trifol prate	trifolium pratense
692 callir digit	callirhoe digitata
693 potent simpl	potentilla simplex
694 viola pedat	viola pedata
695 lobeli sp	lobelia species
696 echina palli	echinacea pallida
697 krigia dande	krigia dandelion
698 verbes helia	verbesina helianthoides
699 legume sp	unknown legume
700 platan lacer	platanthera lacera
701 dodeca meadi	dodecatheon meadia
702 galium obtus	galium obtusum
703 pedicu canad	pedicularis canadensis
704 aster palud	aster paludosus

705	fimbri sp	fimbristylis species
706	schiza scopa	schizachyrium scoparium -put as andropogon scoparium (#3)
707	lesped stria	lespedeza striata
708	camass scill	camassia scilloides
709	viola sp	viola species
710	cirsiu sp	cirsium species
711	pelian molli	pelianthus mollis
712	minuar sp	minuartia species
713	caryop sp	unknown caryophyllaceae
714	antenn sp	antennaria species
715	cirsiu enoel	cirsium enoelmannii
716	gailla sp	gaillardia species
717	lesque ovali	lesquerella ovalifolia
718	cypera sp	unknown cyperaceae
719	stilli sylva	stillingia sylvatica
720	quercu prino	quercus prinoides
721	quercu stell	quercus stellata
722	aristi purpu	aristida purpurascens
723	desmod sp	desmodium species
724	lesped sp	lespedeza species
725	ophiog enoel	ophioglossum enoelmannii
726	eriogo longi	erigonum longifolium
727	housto nigri	houstonia nigricans
728	ampelo sp	ampelopsis species
729	compos sp	unknown compositae
730	scleri sp	scleria species
731	carya sp	carya species
732	hyperi punct	hypericum punctatum
733	unknow sp	unknown species
734	potent recta	potentilla recta
735	helian rigid	helianthus rigida
736	euphor macul	euphorbia maculata = e. nutans (#300)
737	spiran cernu	spiranthes cernua
738	coreop tinct	coreopsis tinctoria
739	croton ellip	crotonopsis elliptica
740	dicant raven	dicantherium ravenelii
741	sassaf albid	sassafras albidum
742	ranunc fasci	ranunculus fascicularia
743	vernon fasci	vernonia fasciculata
744	baptis sphae	baptisia shaerocarpa
745	tephro onobr	tephrosia onobrychoides
746	ludwig alter	ludwigia alternifolia
747	lactuc sp	lactuca species
748	sorghu halap	sorghum halapense
749	lepidi virgi	lepidium virginicum
750	festuc sp	festuca species
751	calapo tuber	calapogon tuberosis
752	aster azure	aster azureus
753	castil purpu	castilleja purpurea
754	euphob commu	euphorbia commutata
755	sisyri albid	sisyrinchium albidum
756	bricke eupat	brickellia eupatorioides
757	androp terna	andropogon ternarium
758	leptoc dubia	leptochloa dubia
759	rosa setig	rosa setigera
760	rubus trivi	rubus trivialis
761	salix sp	salix species
762	celtis sp	celtis species
763	ulmus sp	ulmus species
764	schran sp	schrankia species
765	mirabi sp	mirabilis species
766	verben sp	verbena species
767	ambros sp	ambrosia species
768	dalea sp	dalea species

769	croton sp	croton species
770	eutham grami	euthamia graminifolia
771	melilo sp	melilotus species
772	guara sp	guara species
773	rosa caro	rosa carolina
774	androp sacch	andropogon saccharoides
775	panicu sp	panicum species
776	leptol sp	leptoloma species
777	helian ashii	helianthus ashii
778	ophiog sp	ophioglossum species
779	artemi sp	artemisia species
780	rhus radic	rhus radicans
781	opunti sp	opuntia species
782	muhlen capit	muhlenbergia capitata
783	manisu cylin	manisuris cylindrica
784	unknow forbe	unknown forbes 5 Rice p/a data
785	paspal dilat	paspalum dilatatum
786	muhlen cappi	muhlenbergia cappilaris
787	gutier draci	gutierrezia dracunculoides
788	echino palli	echinocea pallida
789	unknow basal	unknown basal rosette (butler sum90)
790	unknow forb1	unknown forb 1 (butler sum90)
791	unknow forb2	unknown forb 2 (butler sum90)
792	unknow forb3	unknown forb 3 (butler sum90)
793	unknow forb4	unknown forb 4 (butler sum90)
794	bumeli lanug	bumelia lanuginosa
795	carya illin	carya illinoensis
796	celtis laevi	celtis laevigata
797	opunti compr	opuntia compressa
798	robini pseud	robinia pseudoacacia
799	smilax bonan	smilax bona-nox
800	cynodo dacty	cynodon dactylon
801	festuc elati	festuca elatior
802	scirpu sp	scirpus species
803	sporob sp	sporobolus species
804	cassia fasci	cassia fasciculata
805	cissus incis	cissus incisa
806	dalea laxif	dalea laxifolia
807	daucus carot	daucus carota
808	eriger tenui	erigeron tenuis
809	eupato sp	eupatorium species
810	gaura suffu	gaura suffulta
811	helian maxim	helianthus maximilianii
812	kramer secun	krameria secundiflora
813	lactuc pulch	lactuca pulchella
814	legume sp	legume species
815	lepidi campe	lepidium campestris
816	lespede stuev	lespedeza stuevei
817	monard citri	monarda citriodora
818	oenoth serru	oenothera serrulata
819	pyrrho grand	pyrrhopappus grandiflorus (=P. scaposus)
820	rumex sp	rumex species
821	tragop major	tragopogon major
822	urtica sp	urtica species
823	trifol sp	trifolium species
824	?	
825	vitis sp	vitis spp.
826	veroni polit	veronica polita
827	bare litte	bare / litter
828	unknow grass	unknown grass small (butler sum90)
829	unknow forb5	unknown forb5 big, ugly (butler sum90)
830	heleni tenui	helenium tenuifolium
831	unknow forb	blr1 konza 7/91 white dissected forb
832	unknow grass	blr3 konza 7/90 large grass

833 unknow forb	blr5 konza 7/90 opposite serrate lvs forb
834 unknow forb	b2r6 konza 7/90 big hairy forb
835 ?	
836 ?	
837 ?	
838 axel forb	red seed axel flower forb,pfo4
839 leafle forb	3 leaflet forb,pf05
840 rubber forb	rubbery forb,pf06
841 aster rose	aster rosette,pf07
842 aster wavy	wavy-leaf aster
843 pinkst forb	pinkstem forb
844 lance forb	lance-leafforb saw margin
845 tragia like	tragia-like tooth-leaf forb
846 little red	little red bark
847 hairy rose	hairy rosette,pf13
850 prunus sp	prunus sp.
851 red aste	aster rosette, red and purple,pf16
852 leafto forb	leaftop forb,pf17
853 conese forb	coneseed pod forb,pf18
854 aster tall	tall aster,pf19
857 arrow forb	arrow leaf forb
858 rough rose	rough rosette
859 pf24	pf24
860 orange forb	orange stem forb
861 arrowh leaf	arrowhead leaf
862 aster pa01	hairy margin aster,pa01
863 aster pa02	aster sp. pa02
865 echine sp	echinesia sp, pa04
866 coarse aste	coarse aster
867 solida lanc	lance leaf forb solidago
868 clasp leaf	clasp leaf cone flower
871 pa09	pa09
872 rough aste	rough aster
873 helian sp	helianthes sp
874 aster fril	frilly opp leaved aster,pa13
875 solida red	red stemmed solidago,pa14
876 umbell tall	tall umbelliferae,pa15
877 flower cone	stiff stemmed cone-flower,pa16
878 susan wing	wing stemmed susan,pa17
879 sunflo	sunflower
880 ball-t aste	ball-top aster
886 annual silv	silver annual,af01
888 softle forb	soft leaf forb,af03
889 lemony mint	lemony mint,af04
890 slende flow	slender purple flower,af05
891 long ligu	long ligule forb
892 lesped unkn	lespedeza unknown,p105
893 clover	clover
894 little pea	little pea
895 grey-b legu	grey-blue legume
896 lesped vine	viney lespedeza,p105
897 lesped pea	big ligule lespedeza (pea),p106
898 sporob stic	sticky sporobulus,pg01
899 aristi sp.	aristida sp.,pg02
900 hairy gras	small hairy grass,pg03
901 aristi long	long ligule gr aristida, pg04
902 small gras	small grass,pg05
903 star gras	star ligule,hairy bunch lt. gr. ped ligule grass, pg06
904 paspal sp	paspallum sp,pg07
905 hairy gras	large hairy green grass,pg08
906 bright gras	bright green grass,pg09
907 lesped pink	lespedeza, big,pink-flower legume,a101
908 clover	clover,a102

909 legume sp	legume sp
910 viney clov	viney clover
911 legume smal	small legume, al05
912 carrot umbe	frilly, small, umbelliferae carrot
913 dicot seed	dicot seedling
914 salsol kali	salsola kalii
915 linari cana	linaria canadensis
917 triden albe	tridens albesens
918 paspal gemm	paspalum gemmatum
919 pf01	pf01, possible mint
920 silver rose	silvery rosette
921 roak	
923 smelly forb	smelly forb
925 lygode texa	lygodesmia texana
926 ranunc sp	
927 oak seed	oak seedling
929 ipomoe pand	ipomoea pandurata
931 povi	
932 unknow forb	bla02
935 unknow gras	bla02 unknown grass (hairy ligule)
936 rosett forb	forb rosettes
937 cenchr ince	cenchrus incerta
938 clover yell	yellow clover
939 bidens sp	bidens sp
940 gumwee	gumweed
941 Bothri isch	bothriochloa ischeamum
942 digita sp	digitaria sp/crabgrass
943 unknow gras	unknown small grass
944 unknow forb	unknown forb (comp.)
945 dancus puci	dancus pucillis
946 unknow pani	unknown panicum
948 unknow pink	unknown pink flower
949 pyovan tenu	pyovanthemum tenuifolium
950 persim seed	persimmon seedling
954 unknow lill	unknown lilliaceae
955 ruelli sp	ruellia sp.
956 urtica cham	urtica chamaedryoides
957 northe biva	northescordum bivalve
958 acacia sp	acacia species
960 commel virg	commelina virginica
962 acacia angu	acacia angustifolia
964 small mint	small mint
967 dalea laxi	dalea laxifolia

File: bla02.scs

Date: 92/04/22

Time: 17:03:11

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
787	gutier draci	0.183	1.97	0.37	10.78
004	boutel curti	5.150	55.48	0.87	25.49
223	hedyot nigri	0.133	1.44	0.10	2.94
706	schiza scopa	1.517	16.34	0.23	6.86
275	silphi lacin	0.083	0.90	0.17	4.90
058	aster erico	0.033	0.36	0.07	1.96
021	sporob asper aspe	0.100	1.08	0.20	5.88
098	artems ludov	0.200	2.15	0.23	6.86
046	ambros psilo	0.733	7.90	0.33	9.80
316	yucca glauc	0.017	0.18	0.03	0.98
321	desman illin	0.217	2.33	0.10	2.94
007	buchlo dacty	0.650	7.00	0.17	4.90
005	boutel graci	0.050	0.54	0.10	2.94
117	psoral tenui flor	0.017	0.18	0.03	0.98
932	unknow forb	0.050	0.54	0.10	2.94
774	androp sacch	0.017	0.18	0.03	0.98
532	euphor sp	0.017	0.18	0.03	0.98
471	gaila pulch	0.017	0.18	0.03	0.98
769	croton sp	0.017	0.18	0.03	0.98
014	dichan oligo scri	0.017	0.18	0.03	0.98
515	liatri sp	0.017	0.18	0.03	0.98
481	theles filif	0.017	0.18	0.03	0.98
967	dalea laxi	0.033	0.36	0.07	1.96

DIVERSITY 1.6084

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	5	5	5	2	2	2	3	3	3
TOTAL % COVER:	1.5	2.5	17.0	5.0	3.5	1.0	1.0	4.0	16.0	4.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	2	3	3	2	3	1	5	5	3	3
TOTAL % COVER:	38.0	6.5	18.5	15.5	4.0	15.0	2.5	2.5	4.0	16.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	2	3	2	3	6	4	3	4	6	6
TOTAL % COVER:	38.0	4.0	1.0	4.0	3.0	4.5	4.0	16.5	8.0	17.5

File: bla06.scs

Date: 92/04/22

Time: 16:57:45

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
471	gailla pulch	0.717	8.04	0.47	9.27
474	schran ucina	0.033	0.37	0.07	1.32
102	oxalis stric	0.150	1.68	0.30	5.96
613	paspal sp	0.450	5.05	0.40	7.95
823	trifol sp	0.117	1.31	0.23	4.64
640	diodia teres	0.150	1.68	0.30	5.96
803	sporob sp	3.100	34.77	0.77	15.23
119	rudbec hirta	0.017	0.19	0.03	0.66
008	chlori verti	1.317	14.77	0.50	9.93
960	commel virg	0.033	0.37	0.07	1.32
210	carex spp.	0.067	0.75	0.13	2.65
763	ulmus sp	0.083	0.93	0.17	3.31
802	scirpu sp	0.133	1.50	0.27	5.30
005	boutel graci	1.083	12.15	0.37	7.28
168	leptol cogna	0.033	0.37	0.07	1.32
935	unknow gras	0.017	0.19	0.03	0.66
173	aster sp	0.017	0.19	0.03	0.66
956	urtica cham	0.050	0.56	0.10	1.99
556	oxalis sp	0.050	0.56	0.10	1.99
937	cenchr ince	0.033	0.37	0.07	1.32
475	physal sp	0.017	0.19	0.03	0.66
007	buchlo dacty	0.500	5.61	0.03	0.66
006	boutel hirsu	0.100	1.12	0.03	0.66
004	boutel curti	0.017	0.19	0.03	0.66
008	chlori verti	0.333	3.74	0.17	3.31
646	aristi sp	0.283	3.18	0.23	4.64
275	silphi lacin	0.017	0.19	0.03	0.66

DIVERSITY

2.2530

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	7	4	4	5	6	4	4	4	6
TOTAL % COVER:	6.0	6.0	7.0	7.0	7.5	8.0	16.5	7.0	39.0	3.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	6	6	7	2	2	8	8	5	5
TOTAL % COVER:	4.0	10.5	3.0	6.0	15.5	15.5	4.0	6.5	7.5	7.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	2	4	9	6	6	3	2	7	5
TOTAL % COVER:	4.5	3.5	4.5	4.5	5.5	8.0	16.0	3.5	8.5	22.0

File: cad02.scs

Date: 92/04/22

Time: 17:02:49

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
706	schiza scopa	15.033	86.15	0.97	31.87
128	solida misso fasc	0.500	2.87	0.67	21.98
148	prunus ameri	0.067	0.38	0.13	4.40
862	aster pa01	0.067	0.38	0.13	4.40
620	neptun lytea	0.850	4.87	0.40	13.19
512	solanu torre	0.533	3.06	0.10	3.30
293	junipe virgi	0.117	0.67	0.07	2.20
098	artems ludov	0.083	0.48	0.17	5.49
021	sporob asper aspe	0.017	0.10	0.03	1.10
500	hymeno sp	0.017	0.10	0.03	1.10
158	ulmus ameri	0.017	0.10	0.03	1.10
603	happlo sp	0.017	0.10	0.03	1.10
112	physal virgi	0.017	0.10	0.03	1.10
109	dalea purpu purp	0.033	0.19	0.07	2.20
018	sorgha nutan	0.017	0.10	0.03	1.10
058	aster erico	0.017	0.10	0.03	1.10
920	silver rose	0.050	0.29	0.10	3.30

DIVERSITY

0.6608

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	1	2	4	2	2	2	3	3	3	4
TOTAL % COVER:	15.0	15.5	4.5	15.5	38.0	6.0	4.0	6.5	16.0	64.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	2	3	2	6	3	3	2	4	2
TOTAL % COVER:	6.5	38.0	38.5	38.0	8.0	16.0	16.0	6.0	16.5	3.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	3	5	4	5	1	2	4	4	3
TOTAL % COVER:	16.5	16.0	5.0	4.5	5.0	37.5	30.0	16.5	4.5	16.0

File: can01.scs

Date: 92/04/22

Time: 16:55:49

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
800	cynodo dacty	60.750	95.77	1.00	25.86
614	setari genic	0.217	0.34	0.27	6.90
936	rosett forb	0.400	0.63	0.47	12.07
102	oxalis stric	0.083	0.13	0.17	4.31
774	androp sacch	0.183	0.29	0.20	5.17
071	conyza canad cana	0.050	0.08	0.10	2.59
005	boutel graci	0.267	0.42	0.20	5.17
008	chlori verti	0.067	0.11	0.13	3.45
044	achill mille lanu	0.017	0.03	0.03	0.86
210	carex spp.	0.017	0.03	0.03	0.86
024	aristi oliga	0.217	0.34	0.10	2.59
613	paspal sp	0.050	0.08	0.10	2.59
007	buchlo dacty	0.033	0.05	0.07	1.72
011	eragro spect	0.033	0.05	0.07	1.72
046	ambros psilo	0.317	0.50	0.30	7.76
941	Bothri isch	0.017	0.03	0.03	0.86
608	bromus sp	0.600	0.95	0.37	9.48
078	euphor margi	0.017	0.03	0.03	0.86
942	digita sp	0.050	0.08	0.10	2.59
002	androp gerar	0.017	0.03	0.03	0.86
168	leptol cogna	0.017	0.03	0.03	0.86
555	callir sp	0.017	0.03	0.03	0.86

DIVERSITY

0.2785

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	2	6	3	6	2	4	8	5	5	6
TOTAL % COVER:	85.5	65.0	86.0	20.0	88.0	39.0	68.5	42.0	42.0	47.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	6	4	2	4	4	3	3	2	4	5
TOTAL % COVER:	40.0	39.0	63.0	69.0	66.5	86.0	86.0	85.5	86.5	42.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	3	4	1	3	4	4	5	2	1
TOTAL % COVER:	44.5	86.0	39.0	85.0	38.5	64.0	86.5	42.0	85.5	85.0

File: can02.scs

Date: 92/04/22

Time: 16:59:28

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
210	carex spp.	0.100	0.29	0.20	4.76
046	ambros psilo	7.133	20.81	0.60	14.29
800	cynodo dacty	20.717	60.43	0.93	22.22
218	triden flavu	0.050	0.15	0.10	2.38
588	mentze sp	0.150	0.44	0.13	3.17
936	rosett forb	0.117	0.34	0.23	5.56
801	festuc elati	4.133	12.06	0.37	8.73
820	rumex sp	0.733	2.14	0.17	3.97
787	gutier draci	0.050	0.15	0.10	2.38
811	helian maxim	0.333	0.97	0.17	3.97
098	artems ludov	0.017	0.05	0.03	0.79
321	desman illin	0.100	0.29	0.20	4.76
102	oxalis stric	0.067	0.19	0.13	3.17
938	clover yell	0.033	0.10	0.07	1.59
078	euphor margi	0.183	0.53	0.20	4.76
513	helian sp	0.033	0.10	0.07	1.59
612	paspal flori	0.017	0.05	0.03	0.79
614	setari genic	0.017	0.05	0.03	0.79
160	ambros trifi	0.100	0.29	0.03	0.79
940	gumwee	0.083	0.24	0.17	3.97
022	sporob crypt	0.017	0.05	0.03	0.79
941	Bothri isch	0.017	0.05	0.03	0.79
555	callir sp	0.017	0.05	0.03	0.79
024	aristi oliga	0.017	0.05	0.03	0.79
485	solanu elaeq	0.017	0.05	0.03	0.79
162	taraxa offic	0.017	0.05	0.03	0.79
809	eupato sp	0.017	0.05	0.03	0.79

DIVERSITY

1.2319

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	3	5	6	5	5	6	4	4	5
TOTAL % COVER:	67.0	16.0	42.0	22.5	19.5	5.0	22.5	4.5	7.0	22.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	5	5	3	4	3	1	4	7	4
TOTAL % COVER:	63.5	31.5	67.0	63.5	44.0	4.0	62.5	64.0	20.5	16.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	2	5	5	4	3	3	3	8	3	3
TOTAL % COVER:	30.0	5.0	31.5	39.0	91.0	38.5	16.0	21.0	38.5	53.0

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.050	0.24	0.10	2.26
706	schiza scopa	18.583	88.28	1.00	22.56
015	panicu virga	0.333	1.58	0.33	7.52
122	schran nutta	0.400	1.90	0.30	6.77
014	dichan oligo scri	0.700	3.33	0.90	20.30
025	bromus japon	0.117	0.55	0.23	5.26
004	boutel curti	0.317	1.50	0.63	14.29
902	small gras	0.017	0.08	0.03	0.75
905	hairy gras	0.017	0.08	0.03	0.75
168	leptol cogna	0.250	1.19	0.33	7.52
133	trades bract	0.100	0.48	0.20	4.51
210	carex spp.	0.067	0.32	0.13	3.01
021	sporob asper aspe	0.017	0.08	0.03	0.75
892	lesped unkn	0.017	0.08	0.03	0.75
102	oxalis stric	0.017	0.08	0.03	0.75
040	amorph canes	0.017	0.08	0.03	0.75
099	oenoth speci	0.017	0.08	0.03	0.75
919	pf01	0.017	0.08	0.03	0.75

DIVERSITY

0.6120

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	4	3	3	4	4	3	4	4	6
TOTAL % COVER:	17.5	16.5	38.5	16.0	39.0	39.0	16.0	16.5	7.0	8.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	5	5	5	6	4	6	5	3	4
TOTAL % COVER:	7.5	17.0	17.0	17.0	8.0	7.0	8.0	5.0	63.5	39.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	3	5	5	4	4	3	5	5	5
TOTAL % COVER:	42.0	16.0	17.0	39.5	7.0	7.0	4.0	17.0	39.5	39.5

OKLAHOMA

File: can04-1.scs

Date: 92/04/22

Time: 16:55:59

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
706	schiza scopa	13.650	29.20	0.83	15.24
945	dancus puci	0.433	0.93	0.70	12.80
747	lactuc sp	0.250	0.53	0.50	9.15
117	psoral tenui flor	0.267	0.57	0.20	3.66
126	solanu carol	0.033	0.07	0.07	1.22
069	callir invol	0.117	0.25	0.23	4.27
002	androp gerar	29.400	62.89	0.83	15.24
407	cirsiu altis	0.183	0.39	0.37	6.71
071	conyza canad cana	0.050	0.11	0.10	1.83
018	sorgha nutan	1.283	2.75	0.30	5.49
046	ambros psilo	0.017	0.04	0.03	0.61
943	unknow gras	0.117	0.25	0.07	1.22
014	dichan oligo scri	0.067	0.14	0.13	2.44
004	boutel curti	0.033	0.07	0.07	1.22
738	coreop tinct	0.017	0.04	0.03	0.61
044	achill mille lanu	0.067	0.14	0.13	2.44
021	sporob asper aspe	0.333	0.71	0.17	3.05
210	carex spp.	0.117	0.25	0.23	4.27
764	schran sp	0.033	0.07	0.07	1.22
944	unknow forb	0.033	0.07	0.07	1.22
098	artems ludov	0.050	0.11	0.10	1.83
102	oxalis stric	0.067	0.14	0.13	2.44
593	linum sp	0.017	0.04	0.03	0.61
218	triden flavu	0.117	0.25	0.07	1.22

DIVERSITY

1.0393

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	2	4	3	3	8	4	7	2	6
TOTAL % COVER:	64.0	85.5	66.5	66.0	86.0	23.5	86.5	8.5	85.5	40.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	6	8	8	6	6	4	6	5	9	5
TOTAL % COVER:	67.5	33.0	68.5	13.0	32.0	19.0	65.0	42.0	44.0	19.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	7	8	5	5	6	7	5	5	5
TOTAL % COVER:	19.5	43.0	33.0	42.0	54.0	32.0	43.0	31.5	19.5	69.5

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
140	vernon baldw inte	0.117	0.38	0.07	1.32
706	schiza scopa	1.100	3.58	0.23	4.61
071	conyza canad cana	0.217	0.71	0.43	8.55
002	androp gerar	17.050	55.54	0.90	17.76
046	ambros psilo	1.033	3.37	0.43	8.55
070	cirsiu undul	0.117	0.38	0.07	1.32
021	sporob asper aspe	5.600	18.24	0.73	14.47
098	artems ludov	0.383	1.25	0.43	8.55
944	unknow forb	0.017	0.05	0.03	0.66
004	boutel curti	0.117	0.38	0.07	1.32
025	bromus japon	0.017	0.05	0.03	0.66
014	dichan oligo scri	0.117	0.38	0.23	4.61
044	achill mille lanu	0.067	0.22	0.13	2.63
962	acacia angu	2.083	6.79	0.03	0.66
476	asclep sp	0.500	1.63	0.03	0.66
018	sorgha nutan	0.367	1.19	0.23	4.61
407	cirsiu altis	0.033	0.11	0.07	1.32
058	aster erico	0.067	0.22	0.13	2.63
738	coreop tinct	0.017	0.05	0.03	0.66
699	legume sp	0.083	0.27	0.17	3.29
210	carex spp.	0.033	0.11	0.07	1.32
556	oxalis sp	0.017	0.05	0.03	0.66
294	lepidi sp	0.017	0.05	0.03	0.66
588	mentze sp	0.017	0.05	0.03	0.66
015	panicu virga	0.100	0.33	0.03	0.66
117	psoral tenui flor	1.250	4.07	0.03	0.66
747	lactuc sp	0.017	0.05	0.03	0.66
945	dancus puci	0.117	0.38	0.23	4.61
516	solida sp	0.017	0.05	0.03	0.66
040	amorph canes	0.017	0.05	0.03	0.66

DIVERSITY

1.6117

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	5	3	5	7	5	5	4	4	6
TOTAL % COVER:	21.5	22.0	55.5	22.0	11.0	39.5	67.0	21.5	19.0	20.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	5	4	5	8	6	6	4	2	4
TOTAL % COVER:	17.0	31.5	19.0	54.0	9.0	20.0	79.5	19.0	38.0	66.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	4	6	5	6	8	6	6	4	5
TOTAL % COVER:	42.0	41.5	22.5	39.5	10.5	9.0	25.0	17.5	19.0	42.0

File: can04-3.scs

Date: 92/04/22

Time: 16:59:38

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
800	cynodo dacty	19.050	45.57	0.67	18.52
614	setari genic	3.883	9.29	0.60	16.67
946	unknow pani	17.483	41.83	0.90	25.00
024	aristi oliga	0.167	0.40	0.17	4.63
612	paspal flori	0.017	0.04	0.03	0.93
608	bromus sp	0.467	1.12	0.27	7.41
021	sporob asper aspe	0.117	0.28	0.23	6.48
126	solanu carol	0.100	0.24	0.03	0.93
210	carex spp.	0.050	0.12	0.10	2.78
936	rosett forb	0.117	0.28	0.23	6.48
015	panicu virga	0.017	0.04	0.03	0.93
820	rumex sp	0.033	0.08	0.07	1.85
008	chlori verti	0.017	0.04	0.03	0.93
218	triden flavu	0.117	0.28	0.07	1.85
014	dichan oligo scri	0.033	0.08	0.07	1.85
021	sporob asper aspe	0.033	0.08	0.07	1.85
002	androp gerar	0.100	0.24	0.03	0.93

DIVERSITY 1.1283

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	5	4	4	5	3	4	4	3	2
TOTAL % COVER:	41.0	42.0	16.5	41.5	22.0	66.0	66.5	19.0	63.5	30.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	5	2	5	5	1	3	4	4	3
TOTAL % COVER:	66.0	42.0	63.0	42.0	5.0	62.5	41.0	64.0	64.0	18.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	6	3	2	3	3	3	4	5	3
TOTAL % COVER:	21.5	13.0	63.5	40.5	33.0	38.5	38.5	44.0	19.5	66.0

File: cle04.scs

Date: 92/04/22

Time: 17:01:19

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
636	sabati campe	0.183	1.72	0.37	5.07
058	aster erico	0.500	4.68	0.67	9.22
091	liatri punct	0.250	2.34	0.33	4.61
044	achill mille lanu	0.050	0.47	0.10	1.38
014	dichan oligo scri	0.250	2.34	0.50	6.91
046	ambros psilo	0.217	2.03	0.43	5.99
913	dicot seed	0.300	2.81	0.60	8.29
431	cuscut glome	0.017	0.16	0.03	0.46
899	aristi sp.	0.117	1.09	0.23	3.23
004	boutel curti	0.467	4.37	0.43	5.99
863	aster pa02	0.100	0.94	0.20	2.76
774	androp sacch	0.017	0.16	0.03	0.46
620	neptun lytea	0.383	3.59	0.27	3.69
706	schiza scopu	4.100	38.38	0.70	9.68
021	sporob asper aspe	0.050	0.47	0.10	1.38
892	lesped unkn	0.017	0.16	0.03	0.46
128	solida misso fasc	0.250	2.34	0.17	2.30
102	oxalis stric	0.050	0.47	0.10	1.38
017	poa prate	0.017	0.16	0.03	0.46
865	echine sp	0.050	0.47	0.10	1.38
774	androp sacch	0.117	1.09	0.23	3.23
115	polyga verti	0.017	0.16	0.03	0.46
077	eriger strig stri	0.033	0.31	0.07	0.92
255	monard fistu fiet	0.017	0.16	0.03	0.46
210	carex spp.	0.217	2.03	0.27	3.69
864	?	0.183	1.72	0.20	2.76
109	dalea purpu purp	0.033	0.31	0.07	0.92
117	psoral tenui flor	0.100	0.94	0.20	2.76
125	sisyri campe	0.067	0.62	0.13	1.84
098	artems ludov	0.017	0.16	0.03	0.46
043	sympho orbic	0.017	0.16	0.03	0.46
898	sporob stic	0.017	0.16	0.03	0.46
223	hedyot nigri	0.017	0.16	0.03	0.46
338	planta patag pata	0.217	2.03	0.10	1.38
118	ratibi colum	0.033	0.31	0.07	0.92
781	opunti sp	0.017	0.16	0.03	0.46
664	oenoth linni	0.017	0.16	0.03	0.46
009	elymus canad	0.017	0.16	0.03	0.46
151	lesped stipu	0.017	0.16	0.03	0.46
071	conyza canad cana	0.017	0.16	0.03	0.46
886	annual silv	0.017	0.16	0.03	0.46
015	panicu virga	2.083	19.50	0.03	0.46
735	helian rigid	0.017	0.16	0.03	0.46

DIVERSITY

2.3700

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	12	6	6	9	6	9	7	9	6	6
TOTAL % COVER:	11.0	3.0	3.0	7.0	5.5	4.5	3.5	7.0	40.0	5.5
	11	12	13	14	15	16	17	18	19	20

TOT NO SPECIES:	7	4	10	6	7	6	6	10	8	11
TOTAL % COVER:	6.0	2.0	7.5	10.5	8.5	17.5	3.0	19.5	6.5	10.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	3	8	10	7	6	8	5	4	8	7
TOTAL % COVER:	1.5	11.5	7.5	8.5	17.5	4.0	2.5	64.0	4.0	18.0

File: cle06.scs

Date: 92/04/22

Time: 16:56:14

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
041	ceanot herba pube	0.517	5.76	0.53	6.45
040	amorph canes	0.867	9.67	0.27	3.23
058	aster erico	0.450	5.02	0.73	8.87
172	euphor corol	0.150	1.67	0.30	3.63
014	dichan oligo scri	1.817	20.26	0.70	8.47
122	schran nutta	0.083	0.93	0.17	2.02
168	leptol cogna	0.383	4.28	0.60	7.26
021	sporob asper aspe	0.150	1.67	0.30	3.63
018	sorgha nutan	0.283	3.16	0.40	4.84
210	carex spp.	0.167	1.86	0.33	4.03
706	schiza scopa	0.900	10.04	0.67	8.06
002	androp gerar	0.633	7.06	0.43	5.24
913	dicot seed	0.233	2.60	0.47	5.65
836	polygo sp	0.117	1.30	0.07	0.81
378	paspal setac muhl	0.117	1.30	0.23	2.82
783	manisu cylin	0.217	2.42	0.43	5.24
004	boutel curti	0.133	1.49	0.27	3.23
919	pf01	0.017	0.19	0.03	0.40
117	psoral tenui flor	0.033	0.37	0.07	0.81
015	panicu virga	0.350	3.90	0.20	2.42
862	aster pa01	0.017	0.19	0.03	0.40
069	callir invol	0.033	0.37	0.07	0.81
681	rhus sp	0.783	8.74	0.27	3.23
102	oxalis stric	0.083	0.93	0.17	2.02
151	lesped stipu	0.033	0.37	0.07	0.81
618	salvia azure	0.033	0.37	0.07	0.81
892	lesped unkn	0.117	1.30	0.07	0.81
512	solanu torre	0.100	1.12	0.03	0.40
049	antenn negle negl	0.017	0.19	0.03	0.40
111	physal pumil	0.017	0.19	0.03	0.40
677	polyga incar	0.017	0.19	0.03	0.40
128	solida misso fasc	0.033	0.37	0.07	0.81
046	ambros psilo	0.033	0.37	0.07	0.81
190	setari glauc	0.017	0.19	0.03	0.40
921	roak	0.017	0.19	0.03	0.40

DIVERSITY

2.8369

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	12	8	8	13	7	8	10	8	6	10
TOTAL % COVER:	11.0	6.5	4.0	6.5	18.0	6.5	7.5	6.5	5.5	19.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	6	9	9	8	6	12	11	7	8	5
TOTAL % COVER:	3.0	9.5	9.5	9.0	8.0	11.0	8.0	8.5	4.0	17.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	9	6	11	6	6	8	8	9	7
TOTAL % COVER:	6.0	7.0	10.5	8.0	8.0	5.5	18.5	18.5	4.5	3.5

File: cra02.scs

Date: 92/04/22

Time: 16:58:03

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	2.633	39.90	1.00	14.02
015	panicu virga	0.367	5.56	0.57	7.94
018	sorgha nutan	0.267	4.04	0.37	5.14
014	dichan oligo scri	0.233	3.54	0.47	6.54
210	carex spp.	0.333	5.05	0.50	7.01
913	dicot seed	0.167	2.53	0.33	4.67
856	?	0.017	0.25	0.03	0.47
206	viola prati	0.283	4.29	0.57	7.94
706	schiza scopa	0.883	13.38	0.63	8.88
058	aster erico	0.150	2.27	0.30	4.21
908	clover	0.050	0.76	0.10	1.40
231	toxico radic negu	0.050	0.76	0.10	1.40
102	oxalis stric	0.133	2.02	0.27	3.74
358	fragar virgi	0.167	2.53	0.33	4.67
855	?	0.033	0.51	0.07	0.93
122	schran nutta	0.167	2.53	0.17	2.34
172	euphor corol	0.017	0.25	0.03	0.47
841	aster rose	0.167	2.53	0.33	4.67
361	rubus ostry	0.017	0.25	0.03	0.47
151	lesped stipu	0.033	0.51	0.07	0.93
156	acalyp virgi	0.117	1.77	0.23	3.27
675	lesped cunea	0.017	0.25	0.03	0.47
044	achill mille lanu	0.033	0.51	0.07	0.93
128	solida misso fasc	0.033	0.51	0.07	0.93
048	anemon carol	0.033	0.51	0.07	0.93
897	lesped pea	0.033	0.51	0.07	0.93
890	slende flow	0.067	1.01	0.13	1.87
149	scutel parvu leon	0.017	0.25	0.03	0.47
378	paspal setac muhl	0.017	0.25	0.03	0.47
614	setari genic	0.033	0.51	0.07	0.93
618	salvia azure	0.017	0.25	0.03	0.47
922	?	0.017	0.25	0.03	0.47

DIVERSITY

2.3661

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	8	7	5	6	5	6	8	7	4
TOTAL % COVER:	6.0	6.5	6.0	17.0	8.0	5.0	20.0	6.5	3.5	16.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	9	10	8	7	7	6	7	8	9	8
TOTAL % COVER:	7.0	5.0	6.5	3.5	3.5	5.5	6.0	4.0	4.5	4.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	7	7	4	9	5	8	9	7	9
TOTAL % COVER:	8.5	6.0	6.0	2.0	4.5	5.0	6.5	4.5	6.0	4.5

File: cra04.scs

Date: 92/04/22

Time: 16:59:46

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	1.667	31.45	0.87	12.15
706	schiza scopa	0.617	11.64	0.73	10.28
015	panicu virga	0.250	4.72	0.33	4.67
210	carex spp.	0.350	6.60	0.70	9.81
122	schran nutta	0.133	2.52	0.10	1.40
014	dichan oligo scri	0.367	6.92	0.73	10.28
588	mentze sp	0.283	5.35	0.57	7.94
018	sorgha nutan	0.067	1.26	0.13	1.87
875	solida red	0.067	1.26	0.13	1.87
049	antenn negle negl	0.033	0.63	0.07	0.93
117	psoral tenui flor	0.067	1.26	0.13	1.87
058	aster erico	0.317	5.97	0.47	6.54
874	aster fril	0.133	2.52	0.27	3.74
636	sabati campe	0.033	0.63	0.07	0.93
890	slende flow	0.117	2.20	0.23	3.27
044	achill mille lanu	0.117	2.20	0.23	3.27
102	oxalis stric	0.033	0.63	0.07	0.93
046	ambros psilo	0.100	1.89	0.20	2.80
071	conyza canad cana	0.033	0.63	0.07	0.93
913	dicot seed	0.083	1.57	0.17	2.34
908	clover	0.050	0.94	0.10	1.40
897	lesped pea	0.017	0.31	0.03	0.47
841	aster rose	0.017	0.31	0.03	0.47
378	paspal setac muhl	0.083	1.57	0.17	2.34
896	lesped vine	0.033	0.63	0.07	0.93
905	hairy gras	0.017	0.31	0.03	0.47
077	eriger strig stri	0.033	0.63	0.07	0.93
072	croton monan	0.083	1.57	0.17	2.34
152	asclep virdf	0.033	0.63	0.07	0.93
912	carrot umbe	0.050	0.94	0.10	1.40
119	rudbec hirta	0.017	0.31	0.03	0.47

DIVERSITY 2.6201

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	7	3	4	9	6	4	9	9	5
TOTAL % COVER:	3.5	3.5	4.0	4.5	4.5	3.0	2.0	7.0	4.5	5.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	8	10	8	6	7	7	7	8	9	7
TOTAL % COVER:	4.0	7.5	4.0	5.5	6.0	6.0	6.0	6.5	4.5	6.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	9	4	7	9	10	8	6	9	8	4
TOTAL % COVER:	4.5	2.0	6.0	4.5	5.0	6.5	5.5	4.5	6.5	16.5

File: cus02.scs

Date: 92/04/22

Time: 17:03:05

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
462	androp ischa song	36.150	98.59	0.97	72.50
112	physal virgi	0.100	0.27	0.03	2.50
071	conyza canad cana	0.017	0.05	0.03	2.50
913	dicot seed	0.033	0.09	0.07	5.00
021	sporob asper aspe	0.150	0.41	0.13	10.00
243	eriger spp.	0.100	0.27	0.03	2.50
914	salsol kali	0.100	0.27	0.03	2.50
190	setari glauc	0.017	0.05	0.03	2.50

DIVERSITY 0.0982

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	2	3	1	1	1	3	2	2	2	1
TOTAL % COVER:	40.5	38.5	37.5	37.5	62.5	4.0	15.5	6.0	6.0	37.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	1	1	1	1	1	1	1	1	1	1
TOTAL % COVER:	37.5	62.5	37.5	37.5	62.5	37.5	15.0	15.0	37.5	62.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	1	1	1	1	1	1	2	1	2	1
TOTAL % COVER:	3.0	15.0	62.5	3.0	85.0	62.5	38.0	62.5	15.5	62.5

File: del01.scs

Date: 92/04/22

Time: 16:56:24

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.233	4.78	0.47	7.22
015	panicu virga	0.467	9.56	0.77	11.86
120	ruelli humil	0.100	2.05	0.20	3.09
908	clover	0.367	7.51	0.73	11.34
275	silphi lacin	0.317	6.48	0.30	4.64
210	carex spp.	1.700	34.81	0.93	14.43
680	penste sp	0.200	4.10	0.40	6.19
014	dichan oligo scri	0.167	3.41	0.33	5.15
854	aster tall	0.217	4.44	0.27	4.12
358	fragar virgi	0.083	1.71	0.17	2.58
058	aster erico	0.150	3.07	0.30	4.64
706	schiza scopa	0.100	2.05	0.03	0.52
152	asclep virdf	0.033	0.68	0.07	1.03
149	scutel parvu leon	0.033	0.68	0.07	1.03
851	red aste	0.083	1.71	0.17	2.58
845	tragia like	0.017	0.34	0.03	0.52
091	liatri punct	0.083	1.71	0.17	2.58
876	umbell tall	0.017	0.34	0.03	0.52
875	solida red	0.033	0.68	0.07	1.03
588	mentze sp	0.150	3.07	0.30	4.64
853	conese forb	0.033	0.68	0.07	1.03
178	bromus inerm iner	0.033	0.68	0.07	1.03
878	susan wing	0.033	0.68	0.07	1.03
906	bright gras	0.100	2.05	0.20	3.09
874	aster fril	0.033	0.68	0.07	1.03
905	hairy gras	0.033	0.68	0.07	1.03
877	flower cone	0.017	0.34	0.03	0.52
044	achill mille lanu	0.017	0.34	0.03	0.52
852	leafto forb	0.017	0.34	0.03	0.52
018	sorgha nutan	0.017	0.34	0.03	0.52

DIVERSITY

2.5431

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	6	8	7	4	6	5	7	9	8
TOTAL % COVER:	6.0	5.5	6.5	6.0	4.5	5.5	2.5	3.5	4.5	4.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	7	6	7	4	5	8	5	7	8	8
TOTAL % COVER:	3.5	5.5	3.5	4.5	7.5	4.0	2.5	6.0	4.0	4.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	7	8	8	3	5	6	8	6	7
TOTAL % COVER:	2.0	6.0	4.0	4.0	16.0	2.5	5.5	6.5	3.0	3.5

File: gar01.scs

Date: 92/04/22

Time: 16:58:10

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	4.483	50.28	0.97	16.11
014	dichan oligo scri	0.683	7.66	0.87	14.44
046	ambros psilo	0.867	9.72	0.73	12.22
058	aster erico	1.217	13.64	0.77	12.78
018	sorgha nutan	0.200	2.24	0.40	6.67
044	schill mille lanu	0.100	1.12	0.20	3.33
102	oxalis stric	0.133	1.50	0.27	4.44
076	echina angus	0.017	0.19	0.03	0.56
098	artems ludov	0.200	2.24	0.23	3.89
015	panicu virga	0.117	1.31	0.23	3.89
706	schiza scopa	0.417	4.67	0.33	5.56
021	sporob asper aspe	0.067	0.75	0.13	2.22
907	lesped pink	0.033	0.37	0.07	1.11
210	carex spp.	0.067	0.75	0.13	2.22
140	vernon baldw inte	0.050	0.56	0.10	1.67
913	dicot seed	0.017	0.19	0.03	0.56
137	trioda perfo	0.017	0.19	0.03	0.56
071	conyza canad cana	0.050	0.56	0.10	1.67
901	aristi long	0.017	0.19	0.03	0.56
128	solida misso fasc	0.033	0.37	0.07	1.11
092	linum sulca	0.033	0.37	0.07	1.11
144	psoral argop	0.017	0.19	0.03	0.56
070	cirsiu undul	0.017	0.19	0.03	0.56
152	asclep virdf	0.033	0.37	0.07	1.11
841	aster rose	0.033	0.37	0.07	1.11

DIVERSITY

1.8306

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	9	7	6	8	6	8	5	6	8	9
TOTAL % COVER:	7.0	11.0	8.0	6.5	8.0	6.5	7.5	5.5	9.0	12.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	7	8	6	5	8	5	7	5	4	1
TOTAL % COVER:	3.5	9.0	8.0	17.0	4.0	19.5	6.0	5.0	19.0	3.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	4	4	6	4	5	6	6	5	6
TOTAL % COVER:	8.0	16.5	7.0	5.5	7.0	19.5	8.0	8.0	7.5	5.5

File: gav01.scs

Date: 92/04/22

Time: 16:59:55

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
128	solida misso fasc	0.317	6.71	0.47	7.07
093	lithos incia	0.050	1.06	0.10	1.52
072	croton monan	0.200	4.24	0.40	6.06
046	ambros psilo	0.483	10.25	0.47	7.07
900	hairy gras	0.300	6.36	0.43	6.57
913	dicot seed	0.167	3.53	0.33	5.05
338	planta patag pata	0.133	2.83	0.27	4.04
005	boutel graci	0.117	2.47	0.07	1.01
428	evolvu nutta	0.100	2.12	0.20	3.03
071	conyza canad cana	0.117	2.47	0.23	3.54
102	oxalis stric	0.200	4.24	0.40	6.06
378	paspal setac muhl	0.100	2.12	0.20	3.03
109	dalea purpu purp	0.017	0.35	0.03	0.51
014	dichan oligo scri	0.467	9.89	0.60	9.09
071	conyza canad cana	0.217	4.59	0.27	4.04
915	linari cana	0.017	0.35	0.03	0.51
512	solanu torre	0.100	2.12	0.03	0.51
069	callir invol	0.017	0.35	0.03	0.51
748	sorghu halap	0.067	1.41	0.13	2.02
119	rudbec hirta	0.200	4.24	0.23	3.54
636	sabati campe	0.083	1.77	0.17	2.53
888	softle forb	0.150	3.18	0.13	2.02
168	leptol cogna	0.267	5.65	0.20	3.03
210	carex spp.	0.083	1.77	0.17	2.53
774	androp satch	0.017	0.35	0.03	0.51
117	psoral tenui flor	0.233	4.95	0.13	2.02
800	cynodo dacty	0.050	1.06	0.10	1.52
901	aristi long	0.017	0.35	0.03	0.51
190	setari glauc	0.017	0.35	0.03	0.51
783	manieu cylin	0.033	0.71	0.07	1.01
706	schiza scopa	0.017	0.35	0.03	0.51
838	axel forb	0.167	3.53	0.17	2.53
002	androp gerar	0.033	0.71	0.07	1.01
151	lesped stipu	0.033	0.71	0.07	1.01
077	eriger strig stri	0.017	0.35	0.03	0.51
839	leafle forb	0.017	0.35	0.03	0.51
004	boutel curti	0.017	0.35	0.03	0.51
554	kramer lance	0.017	0.35	0.03	0.51
021	sporob asper aspe	0.017	0.35	0.03	0.51
917	triden albe	0.017	0.35	0.03	0.51
923	smelly forb	0.033	0.71	0.07	1.01

DIVERSITY

3.2470

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	3	6	6	8	7	7	6	7	9
TOTAL % COVER:	3.5	4.0	3.0	3.0	6.5	8.5	3.5	5.5	3.5	7.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	4	10	9	8	9	7	7	5	5
TOTAL % COVER:	4.0	4.5	7.5	7.0	6.5	7.0	3.5	8.5	2.5	5.0

	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	8	6	8	8	6	7	5	5	5
TOTAL % COVER:	3.5	6.5	3.0	4.0	6.5	3.0	3.5	2.5	2.5	2.5

File: kay03.scs

Date: 92/04/22

Time: 17:01:27

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.300	6.32	0.43	6.19
018	sorgha nutan	0.400	8.42	0.47	6.67
706	schiza scopa	0.850	17.89	0.87	12.38
378	paspal setac muhl	0.050	1.05	0.10	1.43
014	dichan oligo scri	0.500	10.53	0.83	11.90
021	sporob asper aspe	0.317	6.67	0.47	6.67
046	ambros psilo	0.433	9.12	0.70	10.00
210	carex spp.	0.417	8.77	0.67	9.52
913	dicot seed	0.100	2.11	0.20	2.86
636	sabati campe	0.067	1.40	0.13	1.90
774	androp sacch	0.217	4.56	0.27	3.81
023	sporob heter	0.200	4.21	0.23	3.33
004	boutel curti	0.300	6.32	0.43	6.19
015	panicu virga	0.067	1.40	0.13	1.90
889	lemony mint	0.067	1.40	0.13	1.90
534	boutel sp	0.083	1.75	0.17	2.38
040	amorph canes	0.017	0.35	0.03	0.48
736	euphor macul	0.083	1.75	0.17	2.38
903	star gras	0.033	0.70	0.07	0.95
098	artems ludov	0.017	0.35	0.03	0.48
908	clover	0.017	0.35	0.03	0.48
049	antenn negle negl	0.017	0.35	0.03	0.48
102	oxalis stric	0.200	4.21	0.40	5.71

DIVERSITY

2.6870

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	7	9	5	9	8	8	6	9	7
TOTAL % COVER:	5.0	3.5	4.5	2.5	4.5	4.0	4.0	3.0	4.5	6.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	9	6	5	7	7	5	8	6	7	6
TOTAL % COVER:	4.5	8.0	7.5	3.5	3.5	2.5	6.5	3.0	3.5	3.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	8	7	8	6	7	7	6	6	7	9
TOTAL % COVER:	6.5	3.5	4.0	8.0	6.0	6.0	5.5	5.5	6.0	4.5

File: may01.scs

Date: 92/04/22

Time: 16:56:32

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	1.533	26.74	0.93	13.02
015	panicu virga	0.767	13.37	0.87	12.09
119	rudbec hirta	0.800	13.95	0.93	13.02
847	hairy rose	0.033	0.58	0.07	0.93
149	scutel parvu leon	0.067	1.16	0.13	1.86
210	carex spp.	0.367	6.40	0.57	7.91
913	dicot seed	0.033	0.58	0.07	0.93
172	euphor corol	0.017	0.29	0.03	0.47
117	peoral tenui flor	0.017	0.29	0.03	0.47
018	sorgha nutan	0.333	5.81	0.50	6.98
135	tragop dubiu	0.133	2.33	0.27	3.72
040	amorph canes	0.050	0.87	0.10	1.40
685	rosa sp	0.017	0.29	0.03	0.47
014	dichan oligo scri	0.083	1.45	0.17	2.33
874	aster fril	0.167	2.91	0.33	4.65
044	achill mille lanu	0.050	0.87	0.10	1.40
706	schiza scopa	0.250	4.36	0.17	2.33
885	?	0.017	0.29	0.03	0.47
058	aster erico	0.050	0.87	0.10	1.40
049	antenn negle negl	0.017	0.29	0.03	0.47
911	legume smal	0.017	0.29	0.03	0.47
021	sporob asper aspe	0.083	1.45	0.17	2.33
122	schran nutta	0.033	0.58	0.07	0.93
618	salvia azure	0.033	0.58	0.07	0.93
102	oxalis stric	0.133	2.33	0.27	3.72
120	ruelli humil	0.117	2.03	0.23	3.26
152	asclep virdf	0.067	1.16	0.13	1.86
004	boutel curt	0.017	0.29	0.03	0.47
904	paspal sp	0.067	1.16	0.13	1.86
841	aster rose	0.033	0.58	0.07	0.93
133	trades bract	0.033	0.58	0.07	0.93
077	eriger strig stri	0.033	0.58	0.07	0.93
023	sporob heter	0.150	2.62	0.13	1.86
046	ambros psilo	0.017	0.29	0.03	0.47
835	hetero sp	0.017	0.29	0.03	0.47
069	callir invol	0.033	0.58	0.07	0.93
845	tragia like	0.017	0.29	0.03	0.47
709	viola sp	0.033	0.58	0.07	0.93

DIVERSITY

2.6684

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	8	4	7	7	8	8	8	6	7
TOTAL % COVER:	4.0	6.5	2.0	3.5	6.0	4.0	4.0	4.0	3.0	6.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	8	8	6	9	8	6	6	4	8	8
TOTAL % COVER:	9.0	9.0	5.5	4.5	6.5	5.5	5.5	16.5	6.5	6.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	10	9	8	6	10	8	6	10	6

File: mci011.scs

Date: 92/04/22

Time: 16:58:19

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.617	2.58	0.10	1.51
647	juncus sp	0.417	1.75	0.83	12.56
724	leaped sp	0.183	0.77	0.37	5.53
092	linum sulca	0.033	0.14	0.07	1.01
014	dichan oligo scri	0.167	0.70	0.33	5.03
943	unknow gras	0.150	0.63	0.13	2.01
673	eragro sp	0.117	0.49	0.23	3.52
775	panicu sp	1.550	6.49	0.50	7.54
243	eriger spp.	0.133	0.56	0.27	4.02
913	dicot seed	0.217	0.91	0.43	6.53
706	schiza scopa	9.583	40.15	0.77	11.56
945	dancus puci	0.083	0.35	0.17	2.51
119	rudbec hirta	0.033	0.14	0.07	1.01
613	paspal sp	3.750	15.71	0.43	6.53
605	androp virgi	4.383	18.37	0.67	10.05
173	aster sp	0.033	0.14	0.07	1.01
948	unknow pink	0.050	0.21	0.10	1.51
624	rubus sp	0.150	0.63	0.13	2.01
932	unknow forb	0.083	0.35	0.17	2.51
516	solida sp	0.317	1.33	0.30	4.52
102	oxalis stric	0.017	0.07	0.03	0.50
949	pyovan tenu	0.017	0.07	0.03	0.50
775	panicu sp	1.717	7.19	0.30	4.52
674	setari sp	0.017	0.07	0.03	0.50
802	scirpu sp	0.033	0.14	0.07	1.01
950	persim seed	0.017	0.07	0.03	0.50

DIVERSITY 1.9007

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	4	7	5	6	8	8	8	4	5
TOTAL % COVER:	20.5	19.0	11.0	22.0	20.0	21.0	33.0	18.5	16.5	19.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	9	7	7	7	5	6	5	7	7	6
TOTAL % COVER:	9.5	11.0	8.5	43.0	7.5	42.5	64.5	8.5	18.0	8.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	7	7	7	10	7	9	7	7	6
TOTAL % COVER:	66.5	8.5	23.0	43.0	22.0	18.0	19.0	8.5	20.5	65.0

File: mci012.scs

Date: 92/04/22

Time: 17:01:38

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
014	dichan oligo scri	0.067	3.25	0.13	5.41
102	oxalis stric	0.033	1.63	0.07	2.70
943	unknow gras	0.333	16.26	0.67	27.03
699	legume sp	0.067	3.25	0.13	5.41
043	sympho orbic	0.050	2.44	0.10	4.05
210	carex spp.	0.117	5.69	0.23	9.46
763	ulmus sp	0.050	2.44	0.10	4.05
932	unknow forb	0.017	0.81	0.03	1.35
477	croton texen	0.017	0.81	0.03	1.35
218	triden flavu	0.033	1.63	0.07	2.70
951	?	0.600	29.27	0.07	2.70
049	antenn negle negl	0.017	0.81	0.03	1.35
913	dicot seed	0.033	1.63	0.07	2.70
030	schedo panic	0.017	0.81	0.03	1.35
640	diodia teres	0.017	0.81	0.03	1.35
952	?	0.100	4.88	0.03	1.35
801	festuc elati	0.367	17.89	0.57	22.97
721	quercu stell	0.100	4.88	0.03	1.35
953	?	0.017	0.81	0.03	1.35

DIVERSITY 2.2603

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	1	3	2	2	2	4	1	3	1
TOTAL % COVER:	1.5	0.5	1.5	1.0	1.0	1.0	2.0	0.5	1.5	0.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	2	2	3	2	3	2	1	2	4	3
TOTAL % COVER:	1.0	3.5	1.5	3.5	1.5	1.0	0.5	1.0	2.0	1.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	4	2	3	2	2	4	1	4	1
TOTAL % COVER:	5.0	16.5	1.0	1.5	3.5	1.0	2.0	0.5	2.0	0.5

File: okl01.scs

Date: 92/04/22

Time: 16:56:44

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
059	aster oblon	0.633	7.71	0.30	8.82
046	ambros psilo	0.083	1.01	0.17	4.90
800	cynodo dacty	2.367	28.80	0.80	23.53
122	schran nutta	0.033	0.41	0.07	1.96
917	triden albe	0.033	0.41	0.07	1.96
021	sporob asper aspe	4.417	53.75	0.87	25.49
774	androp sacch	0.133	1.62	0.10	2.94
072	croton monan	0.033	0.41	0.07	1.96
025	bromus japon	0.117	1.42	0.23	6.86
058	aster erico	0.033	0.41	0.07	1.96
837	?	0.017	0.20	0.03	0.98
210	carex spp.	0.017	0.20	0.03	0.98
893	clover	0.067	0.81	0.13	3.92
887	?	0.017	0.20	0.03	0.98
071	conyza canad cana	0.050	0.61	0.10	2.94
913	dicot seed	0.017	0.20	0.03	0.98
112	physal virgi	0.033	0.41	0.07	1.96
128	solida misso fasc	0.017	0.20	0.03	0.98
894	little pea	0.017	0.20	0.03	0.98
918	paspal gemm	0.033	0.41	0.07	1.96
076	echina angus	0.017	0.20	0.03	0.98
109	dalea purpu purp	0.017	0.20	0.03	0.98
044	achill mille lanu	0.017	0.20	0.03	0.98

DIVERSITY

1.3809

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	6	5	2	4	2	3	4	3	2
TOTAL % COVER:	5.5	3.0	2.5	15.5	4.5	1.0	1.5	4.5	38.5	3.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	1	2	1	6	5	7	4	2	2	4
TOTAL % COVER:	15.0	3.5	15.0	3.0	5.0	6.0	4.5	15.5	3.5	16.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	4	5	3	1	3	1	2	2	3
TOTAL % COVER:	3.5	4.5	19.5	4.0	15.0	16.0	3.0	3.5	3.5	6.5

File: okpay01.scs

Date: 92/04/22

Time: 17:02:57

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
800	cynodo dacty	9.517	64.52	0.97	22.14
011	eragro spect	0.367	2.49	0.23	5.34
102	oxalis stric	0.033	0.23	0.07	1.53
909	legume sp	0.050	0.34	0.10	2.29
046	ambros psilo	2.300	15.59	0.67	15.27
936	rosett forb	0.483	3.28	0.47	10.69
172	euphor corol	0.300	2.03	0.27	6.11
024	aristi oliga	0.033	0.23	0.07	1.53
775	panicu sp	0.850	5.76	0.40	9.16
058	aster erico	0.067	0.45	0.13	3.05
640	diodia teres	0.033	0.23	0.07	1.53
044	achill mille lanu	0.100	0.68	0.20	4.58
218	triden flavu	0.267	1.81	0.20	4.58
014	dichan oligo scri	0.083	0.56	0.17	3.82
477	croton texen	0.017	0.11	0.03	0.76
774	androp sacch	0.133	0.90	0.10	2.29
710	cirsiu sp	0.033	0.23	0.07	1.53
614	setari genic	0.067	0.45	0.13	3.05
210	carex spp.	0.017	0.11	0.03	0.76

DIVERSITY

1.3367

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	5	6	2	4	3	4	4	5	4
TOTAL % COVER:	18.5	7.5	13.0	15.5	7.0	4.0	41.5	7.0	10.0	4.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	4	5	5	4	4	6	2	6	3
TOTAL % COVER:	24.0	16.5	5.0	5.0	4.5	7.0	17.5	40.5	5.5	6.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	7	4	3	5	4	6	5	4	6
TOTAL % COVER:	64.0	8.5	7.0	18.5	7.5	4.5	5.5	19.5	4.5	42.5

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
046	ambros psilo	0.083	0.74	0.17	3.33
058	aster erico	0.083	0.74	0.17	3.33
021	sporob asper aspe	0.033	0.30	0.07	1.33
002	androp gerar	1.633	14.58	0.33	6.67
004	boutel curti	0.017	0.15	0.03	0.67
775	panicu sp	0.317	2.83	0.30	6.00
477	croton texen	0.117	1.04	0.07	1.33
787	gutier draci	0.017	0.15	0.03	0.67
245	allium sp	0.017	0.15	0.03	0.67
005	boutel graci	0.100	0.89	0.03	0.67
014	dichan oligo scri	0.350	3.13	0.53	10.67
018	sorgha nutan	2.683	23.96	0.43	8.67
044	achill mille lanu	0.033	0.30	0.07	1.33
618	salvia azure	0.117	1.04	0.07	1.33
706	schiza scopa	3.317	29.61	0.57	11.33
640	diodia teres	0.017	0.15	0.03	0.67
011	eragro spect	0.233	2.08	0.13	2.67
722	aristi purpu	0.267	2.38	0.20	4.00
835	hetero sp	0.033	0.30	0.07	1.33
015	panicu virga	0.117	1.04	0.07	1.33
936	rosett forb	0.200	1.79	0.40	8.00
757	androp terna	0.250	2.23	0.17	3.33
218	triden flavu	0.017	0.15	0.03	0.67
024	aristi oliga	0.117	1.04	0.07	1.33
007	buchlo dacty	0.017	0.15	0.03	0.67
571	rhus copal	0.117	1.04	0.07	1.33
863	aster pa02	0.017	0.15	0.03	0.67
768	dalea sp	0.067	0.60	0.13	2.67
043	sympho orbic	0.033	0.30	0.07	1.33
804	cassia fasci	0.033	0.30	0.07	1.33
605	androp virgi	0.533	4.76	0.10	2.00
516	solida sp	0.183	1.64	0.37	7.33
909	legume sp	0.017	0.15	0.03	0.67
515	liatri sp	0.017	0.15	0.03	0.67

DIVERSITY

2.2883

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	5	3	6	4	6	3	7	7	3
TOTAL % COVER:	17.0	7.5	4.0	5.5	7.0	8.0	9.0	8.5	20.5	6.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	2	6	5	5	6	7	3	5	6
TOTAL % COVER:	4.5	3.5	5.5	19.5	7.5	40.0	6.0	38.5	7.5	5.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	4	6	5	4	6	5	7	5	6
TOTAL % COVER:	16.5	7.0	10.5	31.5	4.5	5.5	7.5	8.5	5.0	8.0

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
014	dichan oligo scri	0.367	3.33	0.57	11.81
757	androp terna	0.517	4.70	0.20	4.17
722	aristi purpu	0.483	4.39	0.47	9.72
172	euphor corol	0.050	0.45	0.10	2.08
800	cynodo dacty	0.033	0.30	0.07	1.39
787	gutier draci	0.033	0.30	0.07	1.39
706	schiza scopa	5.717	51.97	0.83	17.36
046	ambros psilo	0.917	8.33	0.37	7.64
024	aristi oliga	0.683	6.21	0.37	7.64
804	cassia fasci	0.083	0.76	0.17	3.47
775	panicu sp	0.133	1.21	0.10	2.08
102	oxalis stric	0.017	0.15	0.03	0.69
673	eragro sp	0.367	3.33	0.23	4.86
477	croton texen	0.033	0.30	0.07	1.39
936	rosett forb	0.100	0.91	0.20	4.17
021	sporob asper aspe	0.050	0.45	0.10	2.08
018	sorgha nutan	0.233	2.12	0.13	2.78
836	polygo sp	0.017	0.15	0.03	0.69
608	bromus sp	0.100	0.91	0.03	0.69
774	androp sacch	0.100	0.91	0.03	0.69
098	artems ludov	0.017	0.15	0.03	0.69
724	lesped sp	0.050	0.45	0.10	2.08
044	achill mille lanu	0.017	0.15	0.03	0.69
896	lesped vine	0.117	1.06	0.07	1.39
835	hetero sp	0.033	0.30	0.07	1.39
885	?	0.017	0.15	0.03	0.69
605	androp virgi	0.517	4.70	0.07	1.39
015	panicu virga	0.117	1.06	0.07	1.39
614	setari genic	0.017	0.15	0.03	0.69
640	diodia teres	0.050	0.45	0.10	2.08
210	carex spp.	0.017	0.15	0.03	0.69

DIVERSITY

2.0052

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	6	7	5	5	6	4	5	6	4
TOTAL % COVER:	7.5	3.0	8.5	7.5	5.0	13.0	19.0	10.0	8.0	19.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	8	6	4	3	5	4	5	3	8
TOTAL % COVER:	9.5	6.5	20.0	39.0	4.0	19.5	16.5	5.0	18.5	11.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	2	5	4	2	5	4	5	3	5	6
TOTAL % COVER:	15.5	19.5	4.5	3.5	5.0	7.0	5.0	6.5	5.0	8.0

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Date: 92/04/22

Time: 17:00:05

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
014	dichan oligo scri	0.450	3.88	0.57	10.06
706	schiza scopa	2.733	23.56	0.43	7.69
775	panicu sp	0.450	3.88	0.40	7.10
044	achill mille lanu	0.100	0.86	0.20	3.55
058	aster erico	0.417	3.59	0.67	11.83
210	carex spp.	0.150	1.29	0.13	2.37
046	ambros psilo	0.333	2.87	0.33	5.92
722	aristi purpu	0.017	0.14	0.03	0.59
018	sorgha nutan	1.300	11.21	0.47	8.28
015	panicu virga	1.033	8.91	0.57	10.06
764	schran sp	0.017	0.14	0.03	0.59
614	setari genic	0.050	0.43	0.10	1.78
608	bromus sp	0.617	5.32	0.40	7.10
002	androp gerar	1.983	17.10	0.20	3.55
043	sympho orbic	0.150	1.29	0.13	2.37
774	androp sacch	0.550	4.74	0.27	4.73
620	neptun lytea	0.100	0.86	0.03	0.59
024	aristi oliga	0.133	1.15	0.10	1.78
787	gutier draci	0.067	0.57	0.13	2.37
005	boutel graci	0.500	4.31	0.03	0.59
021	sporob asper aspe	0.233	2.01	0.13	2.37
098	artems ludov	0.117	1.01	0.07	1.18
710	cirsiu sp	0.017	0.14	0.03	0.59
218	triden flavu	0.017	0.14	0.03	0.59
670	eleoch sp	0.017	0.14	0.03	0.59
885	?	0.033	0.29	0.07	1.18
008	chlori verti	0.017	0.14	0.03	0.59

DIVERSITY

2.5099

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	8	5	6	6	7	6	6	4	5	7
TOTAL % COVER:	11.5	10.0	17.5	17.5	20.5	22.5	8.0	7.0	19.5	8.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	6	7	4	7	6	4	5	7	4
TOTAL % COVER:	6.5	5.5	20.5	7.0	11.0	5.5	9.5	10.0	8.5	7.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	5	5	4	7	5	5	8	6	5
TOTAL % COVER:	8.0	42.0	22.0	7.0	6.0	2.5	7.5	6.5	8.0	5.0

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	3.500	43.57	0.83	13.30
120	ruelli humil	0.133	1.66	0.27	4.26
588	mentze sp	0.150	1.87	0.30	4.79
119	rudbec hirta	0.300	3.73	0.43	6.91
044	achill mille lanu	0.050	0.62	0.10	1.60
004	boutel curti	0.033	0.41	0.07	1.06
210	carex spp.	0.083	1.04	0.17	2.66
109	dalea purpu purp	0.067	0.83	0.13	2.13
534	boutel sp	0.150	1.87	0.30	4.79
512	solanu torre	0.067	0.83	0.13	2.13
913	dicot seed	0.100	1.24	0.20	3.19
122	schran nutta	0.167	2.07	0.17	2.66
800	cynodo dacty	0.267	3.32	0.53	8.51
912	carrot umbe	0.900	11.20	0.47	7.45
873	helian sp	0.150	1.87	0.30	4.79
077	eriger strig stri	0.033	0.41	0.07	1.06
014	dichan oligo scri	0.417	5.19	0.50	7.98
774	androp sacch	0.017	0.21	0.03	0.53
046	ambros psilo	0.083	1.04	0.17	2.66
850	prunus sp	0.017	0.21	0.03	0.53
764	schran sp	0.017	0.21	0.03	0.53
361	rubus ostry	0.583	7.26	0.20	3.19
102	oxalis stric	0.083	1.04	0.17	2.66
338	planta patag pata	0.033	0.41	0.07	1.06
071	conyza canad cana	0.133	1.66	0.10	1.60
072	croton monan	0.050	0.62	0.10	1.60
015	panicu virga	0.017	0.21	0.03	0.53
058	aster erico	0.017	0.21	0.03	0.53
844	lance forb	0.117	1.45	0.07	1.06
636	sabati campe	0.150	1.87	0.13	2.13
769	croton sp	0.017	0.21	0.03	0.53
706	schiza scopa	0.100	1.24	0.03	0.53
851	red aste	0.033	0.41	0.07	1.06

DIVERSITY

2.3242

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	9	5	6	7	5	4	4	7	11	4
TOTAL % COVER:	4.5	17.0	3.0	6.0	5.0	16.5	4.5	6.0	5.5	16.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	7	7	7	8	5	7	7	4	5	5
TOTAL % COVER:	18.0	6.0	6.0	9.0	7.5	6.0	3.5	4.5	7.5	5.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	10	7	6	7	5	4	6	7	7
TOTAL % COVER:	5.0	7.5	6.0	5.5	18.0	7.5	16.5	3.0	8.5	6.0

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
022	sporob crypt	1.233	26.52	0.97	14.95
706	schiza scopa	0.433	9.32	0.53	8.25
120	ruelli humil	0.150	3.23	0.30	4.64
049	antenn negle negl	0.817	17.56	0.63	9.79
724	lesped sp	0.017	0.36	0.03	0.52
152	asclep virdf	0.083	1.79	0.17	2.58
014	dichan oligo scri	0.150	3.23	0.30	4.64
018	sorgha nutan	0.283	6.09	0.57	8.76
172	euphor corol	0.050	1.08	0.10	1.55
058	aster erico	0.033	0.72	0.07	1.03
015	panicu virga	0.133	2.87	0.27	4.12
122	schran nutta	0.083	1.79	0.17	2.58
210	carex spp.	0.250	5.38	0.50	7.73
841	aster rose	0.083	1.79	0.17	2.58
040	amorph canes	0.067	1.43	0.13	2.06
618	salvia azure	0.050	1.08	0.10	1.55
071	conyza canad cana	0.017	0.36	0.03	0.52
128	solida misso fasc	0.050	1.08	0.10	1.55
378	paspal setac muhl	0.067	1.43	0.13	2.06
736	euphor macul	0.083	1.79	0.17	2.58
021	sporob asper aspe	0.017	0.36	0.03	0.52
847	hairy rose	0.017	0.36	0.03	0.52
102	oxalis stric	0.050	1.08	0.10	1.55
076	echina angus	0.050	1.08	0.10	1.55
913	dicot seed	0.067	1.43	0.13	2.06
041	ceanot herba pube	0.017	0.36	0.03	0.52
901	aristi long	0.017	0.36	0.03	0.52
206	viola prati	0.033	0.72	0.07	1.03
534	boutel sp	0.033	0.72	0.07	1.03
004	boutel curti	0.017	0.36	0.03	0.52
109	dalea purpu purp	0.017	0.36	0.03	0.52
151	lesped stipu	0.033	0.72	0.07	1.03
046	ambros psilo	0.017	0.36	0.03	0.52
903	star gras	0.017	0.36	0.03	0.52
896	lesped vine	0.017	0.36	0.03	0.52
077	eriger strig stri	0.017	0.36	0.03	0.52
926	ranunc sp	0.050	1.08	0.10	1.55
835	hetero sp	0.017	0.36	0.03	0.52
871	pal0	0.017	0.36	0.03	0.52

DIVERSITY

2.7171

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	6	6	6	7	4	8	8	6	6
TOTAL % COVER:	5.5	5.5	8.0	5.5	6.0	7.0	4.0	4.0	5.5	8.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	7	5	6	9	7	5	7	5	7	8
TOTAL % COVER:	6.0	5.0	3.0	4.5	3.5	2.5	3.5	5.0	3.5	4.0
	21	22	23	24	25	26	27	28	29	30

TOT NO SPECIES: 5 6 9 5 6 7 7 6 6 8
 TOTAL % COVER: 2.5 3.0 4.5 2.5 5.5 3.5 6.0 5.5 3 6 8

Station	Species	Cover %
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File: osa06.scs

Date: 92/04/22

Time: 17:03:25

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	1.200	18.90	0.73	9.48
706	schiza scopa	0.433	6.82	0.37	4.74
091	liatri punct	0.133	2.10	0.10	1.29
896	lesped vine	0.283	4.46	0.57	7.33
046	ambros psilo	0.817	12.86	0.80	10.34
817	monard citri	0.033	0.52	0.07	0.86
009	elymus canad	0.083	1.31	0.17	2.16
014	dichan oligo scri	0.183	2.89	0.37	4.74
021	sporob asper aspe	0.117	1.84	0.23	3.02
015	panicu virga	0.133	2.10	0.27	3.45
210	carex spp.	0.267	4.20	0.53	6.90
004	boutel curti	0.117	1.84	0.23	3.02
534	boutel sp	0.150	2.36	0.13	1.72
378	paspal setac muhl	0.017	0.26	0.03	0.43
140	vernon baldw inte	0.683	10.76	0.23	3.02
614	setari genic	0.050	0.79	0.10	1.29
913	dicot seed	0.100	1.57	0.20	2.59
018	sorgha nutan	0.117	1.84	0.23	3.02
120	ruelli humil	0.117	1.84	0.23	3.02
102	oxalis stric	0.050	0.79	0.10	1.29
058	aster erico	0.200	3.15	0.23	3.02
066	baptis bract glab	0.017	0.26	0.03	0.43
135	tragop dubiu	0.017	0.26	0.03	0.43
844	lance forb	0.033	0.52	0.07	0.86
908	clover	0.217	3.41	0.27	3.45
901	aristi long	0.017	0.26	0.03	0.43
023	sporob heter	0.183	2.89	0.20	2.59
071	conyza canad cana	0.100	1.57	0.20	2.59
092	linum sulca	0.017	0.26	0.03	0.43
173	aster sp	0.017	0.26	0.03	0.43
070	cirsiu undul	0.017	0.26	0.03	0.43
843	pinkst forb	0.017	0.26	0.03	0.43
618	salvia azure	0.083	1.31	0.17	2.16
040	amorph canes	0.033	0.52	0.07	0.86
111	physal pumil	0.017	0.26	0.03	0.43
122	schran nutta	0.017	0.26	0.03	0.43
152	asclep virdf	0.033	0.52	0.07	0.86
117	psoral tenui flor	0.067	1.05	0.13	1.72
044	achill mille lanu	0.067	1.05	0.13	1.72
115	polyga verti	0.033	0.52	0.07	0.86
077	eriger strig stri	0.017	0.26	0.03	0.43
912	carrot umbe	0.017	0.26	0.03	0.43
098	artems ludov	0.017	0.26	0.03	0.43
774	androp sacch	0.017	0.26	0.03	0.43

DIVERSITY

3.0195

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	10	5	9	8	8	9	8	5	11	6
TOTAL % COVER:	5.0	2.5	7.0	9.0	4.0	7.0	9.0	2.5	5.5	5.5
	11	12	13	14	15	16	17	18	19	20

TOT NO SPECIES:	10	6	8	5	8	7	8	7	8	6
TOTAL % COVER:	7.5	5.5	4.0	5.0	4.0	6.0	6.5	3.5	6.5	5.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	8	8	5	11	9	7	8	7	9	8
TOTAL % COVER:	6.5	6.5	5.0	8.0	12.0	3.5	6.5	18.0	7.0	6

File: osa07.acs

Date: 92/04/22

Time: 16:56:53

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.200	2.00	0.40	4.53
706	schiza scopa	5.067	50.75	1.00	11.32
046	ambros peilo	0.550	5.51	0.60	6.79
908	clover	0.950	9.52	0.73	8.30
009	elymus canad	0.050	0.50	0.10	1.13
210	carex spp.	0.250	2.50	0.50	5.66
044	achill mille lanu	0.133	1.34	0.27	3.02
119	rudbec hirta	0.317	3.17	0.47	5.28
361	rubus ostry	0.050	0.50	0.10	1.13
058	aster erico	0.183	1.84	0.37	4.15
120	ruelli humil	0.067	0.67	0.13	1.51
378	paspal setac muhl	0.200	2.00	0.40	4.53
774	androp sacch	0.100	1.00	0.20	2.26
018	sorgha nutan	0.117	1.17	0.23	2.64
014	dichan oligo scri	0.367	3.67	0.73	8.30
093	lithos incis	0.033	0.33	0.07	0.75
015	panicu virga	0.033	0.33	0.07	0.75
102	oxalis stric	0.117	1.17	0.23	2.64
892	lesped unkn	0.200	2.00	0.40	4.53
184	rumex altis	0.017	0.17	0.03	0.38
913	dicot seed	0.117	1.17	0.23	2.64
128	solida misso fasc	0.017	0.17	0.03	0.38
841	aster rose	0.100	1.00	0.20	2.26
614	setari genic	0.100	1.00	0.20	2.26
866	coarse aste	0.083	0.83	0.17	1.89
021	sporob asper aspe	0.083	0.83	0.17	1.89
077	eriger strig stri	0.083	0.83	0.17	1.89
115	polyga verti	0.050	0.50	0.10	1.13
903	star gras	0.083	0.83	0.17	1.89
023	sporob heter	0.117	1.17	0.07	0.75
842	aster wavy	0.017	0.17	0.03	0.38
152	asclep virdf	0.033	0.33	0.07	0.75
338	planta patag pata	0.017	0.17	0.03	0.38
118	ratibi colum	0.017	0.17	0.03	0.38
172	euphor corol	0.033	0.33	0.07	0.75
098	artems ludov	0.017	0.17	0.03	0.38
909	legume sp	0.017	0.17	0.03	0.38

DIVERSITY

2.1870

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	6	12	9	14	11	9	13	8	10
TOTAL % COVER:	8.0	20.0	8.5	19.0	9.5	8.0	7.0	9.0	9.0	7.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	10	6	8	9	9	9	11	10	9	7
TOTAL % COVER:	19.5	17.5	18.5	9.5	7.0	7.0	8.0	7.5	7.0	18.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	6	10	8	6	7	11	4	10	10

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.933	15.77	0.70	9.55
706	schiza scopa	0.183	3.10	0.20	2.73
046	ambros psilo	1.083	18.31	0.83	11.36
015	panicu virga	0.317	5.35	0.47	6.36
120	ruelli humil	0.067	1.13	0.13	1.82
014	dichan oligo scri	0.167	2.82	0.33	4.55
021	sporob asper aspe	0.100	1.69	0.20	2.73
009	elymus canad	0.167	2.82	0.33	4.55
908	clover	0.217	3.66	0.27	3.64
774	androp sacch	0.083	1.41	0.17	2.27
210	carex spp.	0.400	6.76	0.63	8.64
817	monard citri	0.050	0.85	0.10	1.36
912	carrot umbe	0.033	0.56	0.07	0.91
470	lactuc ludov	0.017	0.28	0.03	0.45
072	croton monan	0.167	2.82	0.33	4.55
119	rudbec hirta	0.017	0.28	0.03	0.45
069	callir invol	0.017	0.28	0.03	0.45
023	sporob heter	0.583	9.86	0.50	6.82
071	conyza canad cana	0.100	1.69	0.20	2.73
044	achill mille lanu	0.017	0.28	0.03	0.45
102	oxalis stric	0.083	1.41	0.17	2.27
115	polyga verti	0.017	0.28	0.03	0.45
913	dicot seed	0.050	0.85	0.10	1.36
152	asclep virdf	0.250	4.23	0.17	2.27
868	clasp leaf	0.117	1.97	0.23	3.18
018	sorgha nutan	0.117	1.97	0.23	3.18
058	aster erico	0.250	4.23	0.17	2.27
614	setari genic	0.117	1.97	0.23	3.18
206	viola prati	0.017	0.28	0.03	0.45
111	physal pumil	0.017	0.28	0.03	0.45
845	tragia like	0.017	0.28	0.03	0.45
896	lesped vine	0.033	0.56	0.07	0.91
098	artems ludov	0.017	0.28	0.03	0.45
117	psoral tenui flor	0.017	0.28	0.03	0.45
867	solida lanc	0.017	0.28	0.03	0.45
137	trioda perfo	0.017	0.28	0.03	0.45
122	schran nutta	0.017	0.28	0.03	0.45
378	paspal setac muhl	0.017	0.28	0.03	0.45
040	amorph canes	0.017	0.28	0.03	0.45

DIVERSITY

2.8952

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	8	9	8	9	8	5	8	5	10
TOTAL % COVER:	5.5	6.5	7.0	9.0	7.0	9.0	7.5	6.5	5.0	5.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	10	7	6	7	9	9	6	6	6	6
TOTAL % COVER:	7.5	3.5	8.0	6.0	9.5	4.5	5.5	3.0	3.0	5.5
	21	22	23	24	25	26	27	28	29	30

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Date: 92/04/22

Time: 17:00:16

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
866	coarse aste	0.400	7.43	0.80	10.76
015	panicu virga	0.117	2.17	0.23	3.14
210	carex spp.	0.517	9.60	0.87	11.66
002	androp gerar	1.650	30.65	0.97	13.00
909	legume sp	0.033	0.62	0.07	0.90
014	dichan oligo scri	0.550	10.22	0.93	12.56
077	eriger strig stri	0.017	0.31	0.03	0.45
614	setari genic	0.183	3.41	0.37	4.93
092	linum sulca	0.067	1.24	0.13	1.79
706	schiza scopa	0.433	8.05	0.53	7.17
378	paspal setac muhl	0.100	1.86	0.20	2.69
137	trioda perfo	0.050	0.93	0.10	1.35
636	sabati campe	0.050	0.93	0.10	1.35
076	echina angus	0.033	0.62	0.07	0.90
774	androp sacch	0.050	0.93	0.10	1.35
009	elymus canad	0.067	1.24	0.13	1.79
040	amorph canes	0.333	6.19	0.33	4.48
102	oxalis stric	0.067	1.24	0.13	1.79
119	rudbec hirta	0.083	1.55	0.17	2.24
908	clover	0.017	0.31	0.03	0.45
109	dalea purpu purp	0.033	0.62	0.07	0.90
018	sorgha nutan	0.117	2.17	0.23	3.14
120	ruelli humil	0.083	1.55	0.17	2.24
841	aster rose	0.017	0.31	0.03	0.45
044	achill mille lanu	0.033	0.62	0.07	0.90
892	lesped unkn	0.100	1.86	0.20	2.69
618	salvia azure	0.033	0.62	0.07	0.90
117	psoral tenui flor	0.017	0.31	0.03	0.45
115	polyga verti	0.017	0.31	0.03	0.45
046	ambros psilo	0.033	0.62	0.07	0.90
122	schran nutta	0.017	0.31	0.03	0.45
903	star gras	0.017	0.31	0.03	0.45
109	dalea purpu purp	0.017	0.31	0.03	0.45
151	lesped stipu	0.017	0.31	0.03	0.45
071	conyza canad cana	0.017	0.31	0.03	0.45

DIVERSITY

2.6083

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	11	10	8	7	8	6	6	8	8
TOTAL % COVER:	3.0	5.5	5.0	6.5	6.0	4.0	5.5	5.5	6.5	6.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	9	8	7	8	5	6	6	8	9	8
TOTAL % COVER:	4.5	4.0	3.5	6.5	5.0	5.5	5.5	6.5	4.5	4.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	8	6	6	6	6	10	8	5	10
TOTAL % COVER:	5.5	6.5	3.0	3.0	5.5	8.0	7.5	6.5	5.0	7.5

File: osall.acm

Date: 92/04/22

Time: 17:01:59

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	2.050	34.07	0.83	10.29
046	ambros psilo	0.533	8.86	0.90	11.11
908	clover	0.067	1.11	0.13	1.65
910	viney clov	0.067	1.11	0.13	1.65
177	rumex crisp	0.083	1.39	0.17	2.06
210	carex spp.	0.383	6.37	0.60	7.41
706	schiza scopa	0.467	7.76	0.60	7.41
378	paspal setac muhl	0.017	0.28	0.03	0.41
152	asclep virdf	0.067	1.11	0.13	1.65
044	achill mille lanu	0.050	0.83	0.10	1.23
014	dichan oligo scri	0.367	6.09	0.73	9.05
015	panicu virga	0.200	3.32	0.40	4.94
004	boutel curti	0.100	1.66	0.20	2.47
249	melilo alba	0.067	1.11	0.13	1.65
378	paspal setac muhl	0.050	0.83	0.10	1.23
724	lesped sp	0.100	1.66	0.20	2.47
102	oxalis stric	0.083	1.39	0.17	2.06
847	hairy rose	0.067	1.11	0.13	1.65
009	elymus canad	0.150	2.49	0.30	3.70
614	setari genic	0.200	3.32	0.40	4.94
120	ruelli humil	0.150	2.49	0.30	3.70
018	sorgha nutan	0.067	1.11	0.13	1.65
913	dicot seed	0.067	1.11	0.13	1.65
072	croton monan	0.133	2.22	0.27	3.29
122	schran nutta	0.017	0.28	0.03	0.41
912	carrot umbe	0.067	1.11	0.13	1.65
021	sporob asper aspe	0.100	1.66	0.20	2.47
841	aster rose	0.017	0.28	0.03	0.41
066	baptis bract glab	0.017	0.28	0.03	0.41
117	psoral tenui flor	0.033	0.55	0.07	0.82
058	aster erico	0.017	0.28	0.03	0.41
023	sporob heter	0.050	0.83	0.10	1.23
092	linum sulca	0.017	0.28	0.03	0.41
149	scutel parvu leon	0.017	0.28	0.03	0.41
118	ratibi colum	0.033	0.55	0.07	0.82
040	amorph canes	0.017	0.28	0.03	0.41
071	conyza canad cana	0.017	0.28	0.03	0.41
901	aristi long	0.017	0.28	0.03	0.41

DIVERSITY

2.6827

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	8	8	11	10	6	8	7	7	8	8
TOTAL % COVER:	4.0	6.5	5.5	5.0	3.0	4.0	3.5	3.5	4.0	6.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	9	4	6	9	5	7	12	13	7	8
TOTAL % COVER:	4.5	4.5	5.5	4.5	2.5	6.0	8.5	6.5	6.0	6.5
	21	22	23	24	25	26	27	28	29	30

TOT NO SPECIES:	9	6	9	6	8	10	7	8	11	8
TOTAL % COVER:	7.0	5.5	4.5	5.5	4.0	5.0	18.0	18.5	5.5	6.5

File: osal3.scs

Date: 92/04/22

Time: 17:03:46

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	1.350	27.93	0.87	13.33
014	dichan oligo scri	0.233	4.83	0.47	7.18
120	ruelli humil	0.100	2.07	0.20	3.08
111	physal pumil	0.050	1.03	0.10	1.54
046	ambros psilo	0.583	12.07	0.83	12.82
724	lesped sp	0.117	2.41	0.23	3.59
210	carex spp.	0.417	8.62	0.50	7.69
614	setari genic	0.017	0.34	0.03	0.51
058	aster erico	0.133	2.76	0.10	1.54
009	elymus canad	0.183	3.79	0.37	5.64
015	panicu virga	0.167	3.45	0.33	5.13
044	achill mille lanu	0.083	1.72	0.17	2.56
004	boutel curti	0.017	0.34	0.03	0.51
021	sporob asper aspe	0.067	1.38	0.13	2.05
018	sorgha nutan	0.133	2.76	0.27	4.10
072	croton monan	0.083	1.72	0.17	2.56
119	rudbec hirta	0.017	0.34	0.03	0.51
817	monard citri	0.150	3.10	0.13	2.05
135	tragop dubiu	0.033	0.69	0.07	1.03
071	conyza canad cana	0.083	1.72	0.17	2.56
910	viney clov	0.100	2.07	0.20	3.08
706	schiza scopa	0.133	2.76	0.27	4.10
140	vernon baldw inte	0.050	1.03	0.10	1.54
098	artems ludov	0.033	0.69	0.07	1.03
070	cirsiu undul	0.017	0.34	0.03	0.51
249	melilo alba	0.100	2.07	0.03	0.51
614	setari genic	0.067	1.38	0.13	2.05
152	asclep virdf	0.033	0.69	0.07	1.03
109	dalea purpu purp	0.017	0.34	0.03	0.51
846	little red	0.017	0.34	0.03	0.51
023	sporob heter	0.183	3.79	0.20	3.08
618	salvia azure	0.017	0.34	0.03	0.51
117	psoral tenui flor	0.017	0.34	0.03	0.51
848	?	0.017	0.34	0.03	0.51
115	polyga verti	0.017	0.34	0.03	0.51

DIVERSITY 2.7901

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	7	6	8	9	6	10	8	8	6
TOTAL % COVER:	4.5	6.0	8.0	6.5	7.0	5.5	7.5	4.0	6.5	8.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	3	5	6	6	7	8	8	6	6
TOTAL % COVER:	4.5	1.5	7.5	3.0	3.0	6.0	4.0	6.5	5.5	3.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	5	5	6	7	10	5	7	7	7
TOTAL % COVER:	5.0	2.5	5.0	3.0	3.5	5.0	2.5	3.5	3.5	3.5

File: osal4.scs

Date: 92/04/22

Time: 16:57:03

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
908	clover	0.217	2.89	0.43	7.39
014	dichan oligo scri	0.133	1.78	0.27	4.55
706	schiza scopa	2.183	29.11	0.77	13.07
046	ambros psilo	0.067	0.89	0.13	2.27
102	oxalis stric	0.033	0.44	0.07	1.14
071	conyza canad cana	0.083	1.11	0.17	2.84
002	androp gerar	2.950	39.33	0.87	14.77
118	ratibi colum	0.017	0.22	0.03	0.57
868	clasp leaf	0.083	1.11	0.17	2.84
844	lance forb	0.050	0.67	0.10	1.70
015	panicu virga	0.267	3.56	0.53	9.09
098	artems ludov	0.150	2.00	0.13	2.27
111	physal pumil	0.183	2.44	0.37	6.25
023	sporob heter	0.150	2.00	0.13	2.27
614	setari genic	0.017	0.22	0.03	0.57
895	grey-b legu	0.067	0.89	0.13	2.27
025	bromus japon	0.033	0.44	0.07	1.14
004	boutel curti	0.033	0.44	0.07	1.14
044	achill mille lanu	0.083	1.11	0.17	2.84
018	sorgha nutan	0.133	1.78	0.27	4.55
009	elymus canad	0.067	0.89	0.13	2.27
066	baptis bract glab	0.017	0.22	0.03	0.57
892	lesped unkn	0.083	1.11	0.17	2.84
021	sporob asper aspe	0.100	1.33	0.20	3.41
210	carex spp.	0.100	1.33	0.20	3.41
843	pinkst forb	0.017	0.22	0.03	0.57
173	aster sp	0.017	0.22	0.03	0.57
122	schran nutta	0.017	0.22	0.03	0.57
117	psoral tenui flor	0.017	0.22	0.03	0.57
152	asclep virdf	0.033	0.44	0.07	1.14
040	amorph canes	0.100	1.33	0.03	0.57

DIVERSITY 2.0611

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	7	7	5	7	6	6	6	7	6	7
TOTAL % COVER:	6.0	3.5	5.0	6.0	3.0	5.5	5.5	6.0	3.0	6.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	6	6	4	5	7	7	6	4	5
TOTAL % COVER:	4.5	5.5	17.5	16.5	5.0	6.0	8.5	5.5	16.5	5.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	7	7	5	7	5	6	4	5	5
TOTAL % COVER:	6.0	18.0	6.0	5.0	3.5	17.0	3.0	4.5	17.0	5.0

File: osal6.scs

Date: 92/04/22

Time: 16:58:48

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.717	11.23	0.77	9.62
046	ambros psilo	0.417	6.53	0.67	8.37
014	dichan oligo scri	0.450	7.05	0.73	9.21
910	viney clov	0.117	1.83	0.23	2.93
774	androp sacch	0.100	1.57	0.20	2.51
210	carex spp.	0.317	4.96	0.47	5.86
021	sporob asper aspe	0.050	0.78	0.10	1.26
152	asclep virdf	0.017	0.26	0.03	0.42
102	oxalis stric	0.083	1.31	0.17	2.09
706	schiza scopa	1.033	16.19	0.43	5.44
867	solida lanc	0.083	1.31	0.17	2.09
249	melilo alba	0.167	2.61	0.17	2.09
071	conyza canad cana	0.050	0.78	0.10	1.26
058	aster erico	0.117	1.83	0.07	0.84
015	panicu virga	0.383	6.01	0.27	3.35
913	dicot seed	0.017	0.26	0.03	0.42
119	rudbec hirta	0.083	1.31	0.17	2.09
361	rubus ostry	0.400	6.27	0.30	3.77
041	ceanot herba pube	0.167	2.61	0.33	4.18
358	fragar virgi	0.117	1.83	0.23	2.93
872	rough aste	0.017	0.26	0.03	0.42
070	cirsiu undul	0.050	0.78	0.10	1.26
044	achill mille lanu	0.050	0.78	0.10	1.26
072	croton monan	0.100	1.57	0.20	2.51
724	lesped sp	0.117	1.83	0.23	2.93
614	setari genic	0.067	1.04	0.13	1.67
846	little red	0.017	0.26	0.03	0.42
093	lithos incis	0.017	0.26	0.03	0.42
040	amorph canes	0.100	1.57	0.20	2.51
018	sorgha nutan	0.167	2.61	0.17	2.09
908	clover	0.050	0.78	0.10	1.26
912	carrot umbe	0.033	0.52	0.07	0.84
869	?	0.033	0.52	0.07	0.84
111	physal pumil	0.017	0.26	0.03	0.42
870	pa09	0.100	1.57	0.03	0.42
847	hairy rose	0.050	0.78	0.10	1.26
378	paspal setac muhl	0.050	0.78	0.10	1.26
151	lesped stipu	0.017	0.26	0.03	0.42
023	sporob heter	0.250	3.92	0.17	2.09
118	ratibi colum	0.033	0.52	0.07	0.84
009	elymus canad	0.033	0.52	0.07	0.84
168	leptol cogna	0.017	0.26	0.03	0.42
004	boutel curti	0.017	0.26	0.03	0.42
077	eriger strig stri	0.017	0.26	0.03	0.42
534	boutel sp	0.033	0.52	0.07	0.84
903	star gras	0.017	0.26	0.03	0.42
338	planta patag pata	0.017	0.26	0.03	0.42
926	ranunc sp	0.017	0.26	0.03	0.42

DIVERSITY

3.1849

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	10	10	9	8	6	8	8	7	5	8
TOTAL % COVER:	5.0	7.5	7.0	4.0	17.5	9.0	4.0	3.5	5.0	6.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	12	7	9	9	9	9	6	7	5	5
TOTAL % COVER:	8.5	6.0	7.0	7.0	9.5	7.0	3.0	6.0	5.0	7.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	8	6	8	9	8	9	8	9	7	10
TOTAL % COVER:	6.5	8.0	4.0	7.0	6.5	4.5	4.0	4.5	6.0	5.0

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
015	panicu virga	0.233	2.59	0.30	6.04
343	aristi purpu purp	0.250	2.77	0.33	6.71
014	dichan oligo scri	0.200	2.22	0.23	4.70
936	rosett forb	0.483	5.36	0.63	12.75
706	schiza scopa	1.967	21.81	0.53	10.74
612	paspal flori	0.417	4.62	0.33	6.71
018	sorgha nutan	0.283	3.14	0.23	4.70
024	aristi oliga	0.150	1.66	0.13	2.68
002	androp gerar	1.050	11.65	0.47	9.40
011	eragro spect	0.100	1.11	0.20	4.03
021	sporob asper aspe	0.083	0.92	0.17	3.36
605	androp virgi	2.883	31.98	0.57	11.41
932	unknow forb	0.017	0.18	0.03	0.67
613	paspal sp	0.117	1.29	0.07	1.34
757	androp terna	0.450	4.99	0.23	4.70
472	peoral sp	0.017	0.18	0.03	0.67
954	unknow lill	0.083	0.92	0.17	3.36
955	ruelli sp	0.017	0.18	0.03	0.67
614	setari genic	0.033	0.37	0.07	1.34
613	paspal sp	0.017	0.18	0.03	0.67
014	dichan oligo scri	0.133	1.48	0.10	2.01
210	carex spp.	0.017	0.18	0.03	0.67
102	oxalis stric	0.017	0.18	0.03	0.67

DIVERSITY

2.1966

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	4	6	7	6	5	5	6	5	5
TOTAL % COVER:	4.5	7.0	5.5	6.0	8.0	5.0	7.5	5.5	5.0	5.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	6	4	5	7	8	7	3	3	5	5
TOTAL % COVER:	10.5	4.5	7.5	3.5	9.0	6.0	18.5	4.0	19.5	17.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	4	3	6	5	5	5	5	1	5
TOTAL % COVER:	16.5	4.5	18.5	5.5	5.0	19.5	7.5	17.0	15.0	2.5

File: roq01-b.scs

Date: 92/04/22

Time: 17:02:08

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
218	triden flavu	0.033	0.30	0.07	1.32
706	schiza scopa	2.650	24.20	0.87	17.11
936	rosett forb	3.383	30.90	0.97	19.08
913	dicot seed	0.033	0.30	0.07	1.32
605	androp virgi	0.867	7.91	0.40	7.89
018	sorgha nutan	0.617	5.63	0.57	11.18
014	dichan oligo scri	0.017	0.15	0.03	0.66
612	paspal flori	0.267	2.44	0.37	7.24
002	androp gerar	0.767	7.00	0.23	4.61
943	unknow gras	0.050	0.46	0.10	1.97
954	unknow lill	0.033	0.30	0.07	1.32
021	sporob asper aspe	1.017	9.28	0.40	7.89
015	panicu virga	0.767	7.00	0.53	10.53
608	bromus sp	0.133	1.22	0.10	1.97
956	urtica cham	0.017	0.15	0.03	0.66
618	salvia azure	0.033	0.30	0.07	1.32
957	northe biva	0.017	0.15	0.03	0.66
044	achill mille lanu	0.100	0.91	0.03	0.66
646	aristi sp	0.017	0.15	0.03	0.66
011	eragro spect	0.033	0.30	0.07	1.32
040	amorph canes	0.100	0.91	0.03	0.66

DIVERSITY

2.0443

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	5	6	5	4	5	5	5	4	5
TOTAL % COVER:	5.5	7.5	8.0	5.0	7.0	7.5	7.5	7.5	7.0	10.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	3	3	5	5	4	5	7	7	6
TOTAL % COVER:	5.0	16.0	6.5	7.5	7.5	21.5	10.0	8.5	11.0	5.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	7	5	6	7	5	3	5	5	4
TOTAL % COVER:	5.0	18.0	7.5	20.0	8.5	7.5	66.0	7.5	10.0	

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
022	sporob crypt	3.833	49.25	0.83	12.02
706	schiza scopa	0.683	8.78	0.23	3.37
015	panicu virga	0.033	0.43	0.07	0.96
018	sorgha nutan	0.233	3.00	0.13	1.92
014	dichan oligo scri	0.333	4.28	0.50	7.21
234	rhus glabr	0.033	0.43	0.07	0.96
077	eriger strig stri	0.050	0.64	0.10	1.44
847	hairy rose	0.283	3.64	0.57	8.17
044	achill mille lanu	0.167	2.14	0.33	4.81
102	oxalis stric	0.167	2.14	0.33	4.81
072	croton monan	0.183	2.36	0.37	5.29
857	arrow forb	0.017	0.21	0.03	0.48
050	apocyn canna	0.067	0.86	0.13	1.92
122	schran nutta	0.050	0.64	0.10	1.44
111	physal pumil	0.183	2.36	0.37	5.29
913	dicot seed	0.067	0.86	0.13	1.92
879	sunflo	0.033	0.43	0.07	0.96
736	euphor macul	0.017	0.21	0.03	0.48
896	lesped vine	0.200	2.57	0.40	5.77
058	aster erico	0.083	1.07	0.17	2.40
858	rough rose	0.117	1.50	0.23	3.37
908	clover	0.050	0.64	0.10	1.44
844	lance forb	0.067	0.86	0.13	1.92
152	asclep virdf	0.050	0.64	0.10	1.44
210	carex spp.	0.100	1.28	0.20	2.88
004	boutel curti	0.017	0.21	0.03	0.48
774	androp sacch	0.167	2.14	0.17	2.40
046	ambros pilo	0.033	0.43	0.07	0.96
023	sporob heter	0.033	0.43	0.07	0.96
907	lesped pink	0.017	0.21	0.03	0.48
338	planta patag pata	0.017	0.21	0.03	0.48
071	conyza canad cana	0.033	0.43	0.07	0.96
076	echina angus	0.017	0.21	0.03	0.48
361	rubus ostry	0.083	1.07	0.17	2.40
249	melilo alba	0.017	0.21	0.03	0.48
905	hairy gras	0.033	0.43	0.07	0.96
875	solida red	0.067	0.86	0.13	1.92
115	polyga verti	0.017	0.21	0.03	0.48
119	rudbec hirta	0.033	0.43	0.07	0.96
301	euphor missu	0.017	0.21	0.03	0.48
223	hedyot nigri	0.017	0.21	0.03	0.48
137	trioda perfo	0.017	0.21	0.03	0.48
358	fragar virgi	0.017	0.21	0.03	0.48
927	oak seed	0.033	0.43	0.07	0.96

DIVERSITY

2.3176

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	11	8	6	4	3	5	8	7	7	3
TOTAL % COVER:	8.0	6.5	17.5	4.5	4.0	5.0	6.5	3.5	6.0	4.0
	11	12	13	14	15	16	17	18	19	20

TOT NO SPECIES:	8	8	11	6	5	10	7	8	5	4
TOTAL % COVER:	4.0	4.0	8.0	5.5	17.0	5.0	6.0	18.5	2.5	16.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	6	5	7	11	7	7	7	8	10
TOTAL % COVER:	5.5	17.5	5.0	6.0	5.5	6.0	6.0	6.0	4.0	19

File: rog04.scs

Date: 92/04/22

Time: 16:57:14

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
015	panicu virga	1.583	14.16	0.83	14.12
046	ambros psilo	0.150	1.34	0.13	2.26
343	aristi purpu purp	0.267	2.38	0.37	6.21
024	aristi oliga	1.183	10.58	0.40	6.78
936	rosett forb	1.217	10.88	0.77	12.99
706	schiza scopa	3.133	28.02	0.87	14.69
615	triden stric	0.033	0.30	0.07	1.13
018	sorgha nutan	0.717	6.41	0.43	7.34
954	unknow lill	0.117	1.04	0.23	3.95
002	androp gerar	0.883	7.90	0.30	5.08
605	androp virgi	0.967	8.64	0.30	5.08
612	paspal flori	0.383	3.43	0.43	7.34
014	dichan oligo scri	0.033	0.30	0.07	1.13
556	oxalis sp	0.017	0.15	0.03	0.56
021	sporob asper aspe	0.117	1.04	0.23	3.95
714	antenn sp	0.033	0.30	0.07	1.13
243	eriger spp.	0.067	0.60	0.13	2.26
058	aster erico	0.017	0.15	0.03	0.56
044	achill mille lanu	0.017	0.15	0.03	0.56
932	unknow forb	0.033	0.30	0.07	1.13
757	androp terna	0.100	0.89	0.03	0.56
046	ambros psilo	0.100	0.89	0.03	0.56
332	spiran verna	0.017	0.15	0.03	0.56

DIVERSITY

2.2812

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	5	5	5	6	7	6	6	7	6
TOTAL % COVER:	5.5	7.5	7.5	10.0	8.0	11.0	8.0	8.0	8.5	8.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	8	6	3	7	8	6	8	6	6
TOTAL % COVER:	7.0	11.5	8.0	16.0	8.5	9.0	10.5	11.5	10.5	10.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	5	5	6	6	4	6	6	6	6
TOTAL % COVER:	20.0	10.0	19.5	20.0	8.0	9.5	22.5	10.5	20.0	10.5

File: rog06.scs

Date: 92/04/22

Time: 16:58:59

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
801	festuc elati	6.100	71.35	0.97	31.87
800	cynodo dacty	1.050	12.28	0.60	19.78
823	trifol sp	0.933	10.92	0.70	23.08
008	chlori verti	0.033	0.39	0.07	2.20
172	euphor corol	0.033	0.39	0.07	2.20
787	gutier draci	0.083	0.97	0.17	5.49
774	androp sacch	0.033	0.39	0.07	2.20
477	croton texen	0.017	0.19	0.03	1.10
608	bromus sp	0.083	0.97	0.17	5.49
710	cirsiu sp	0.033	0.39	0.07	2.20
803	sporob sp	0.017	0.19	0.03	1.10
936	rosett forb	0.017	0.19	0.03	1.10
046	ambros psilo	0.017	0.19	0.03	1.10
186	melilo offic	0.100	1.17	0.03	1.10

DIVERSITY 1.0177

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	4	2	2	3	3	3	2	1	4
TOTAL % COVER:	6.5	2.0	6.0	18.0	4.0	4.0	18.5	3.5	3.0	7.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	1	2	2	4	3	1	3	4	3	3
TOTAL % COVER:	37.5	3.5	15.5	2.0	6.5	15.0	6.5	4.5	4.0	16.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	3	3	4	5	2	4	2	5	5
TOTAL % COVER:	2.5	1.5	6.5	4.5	5.0	3.5	4.5	18.0	17.0	10.0

File: rog07.scs

Date: 92/04/22

Time: 17:00:48

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	2.150	24.20	0.83	18.66
243	eriger spp.	0.017	0.19	0.03	0.75
015	panicu virga	1.100	12.38	0.70	15.67
706	schiza scopa	3.733	42.03	0.80	17.91
936	rosett forb	0.283	3.19	0.57	12.69
004	boutel curti	0.133	1.50	0.10	2.24
699	legume sp	0.033	0.38	0.07	1.49
018	sorgha nutan	0.933	10.51	0.53	11.94
932	unknow forb	0.100	1.13	0.20	4.48
210	carex spp.	0.050	0.56	0.10	2.24
021	sporob asper aspe	0.133	1.50	0.27	5.97
044	achill mille lanu	0.033	0.38	0.07	1.49
958	acacia sp	0.017	0.19	0.03	0.75
014	dichan oligo scri	0.050	0.56	0.10	2.24
058	aster erico	0.017	0.19	0.03	0.75
475	physal sp	0.100	1.13	0.03	0.75

DIVERSITY 1.6756

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	6	5	5	4	5	4	1	4	5
TOTAL % COVER:	7.5	10.5	5.0	22.0	7.0	19.5	7.0	0.5	7.0	7.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	5	4	5	5	5	6	4	5	4
TOTAL % COVER:	7.0	5.0	7.0	7.5	7.5	7.5	8.0	7.0	7.5	16.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	4	5	6	5	2	4	3	5	5
TOTAL % COVER:	16.5	4.5	7.5	5.5	7.5	15.5	7.0	6.5		

File: roq08.scs

Date: 92/04/22

Time: 17:02:15

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
008	chlori verti	0.050	1.15	0.10	2.27
787	gutier draci	0.617	14.23	0.73	16.67
046	ambros psilo	0.583	13.46	0.50	11.36
800	cynodo dacty	0.167	3.85	0.17	3.79
024	aristi oliga	0.267	6.15	0.20	4.55
210	carex spp.	0.133	3.08	0.27	6.06
673	eragro sp	0.117	2.69	0.23	5.30
943	unknow gras	0.100	2.31	0.20	4.55
021	sporob asper aspe	0.200	4.62	0.23	5.30
936	rosett forb	0.083	1.92	0.17	3.79
102	oxalis stric	0.017	0.38	0.03	0.76
608	bromus sp	0.067	1.54	0.13	3.03
932	unknow forb	0.017	0.38	0.03	0.76
098	artems ludov	0.017	0.38	0.03	0.76
706	schiza scopa	1.067	24.62	0.20	4.55
774	androp sacch	0.233	5.38	0.30	6.82
172	euphor corol	0.167	3.85	0.17	3.79
004	boutel curti	0.300	6.92	0.43	9.85
044	achill mille lanu	0.017	0.38	0.03	0.76
168	leptol cogna	0.033	0.77	0.07	1.52
710	cirsiu sp	0.017	0.38	0.03	0.76
015	panicu virga	0.017	0.38	0.03	0.76
014	dichan oligo scri	0.033	0.77	0.07	1.52
956	urtica cham	0.017	0.38	0.03	0.76

DIVERSITY

2.5065

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	5	4	3	4	4	2	5	5	4
TOTAL % COVER:	2.0	2.5	4.5	1.5	4.5	2.0	1.0	7.5	2.5	7.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	5	5	5	4	6	2	5	6	6
TOTAL % COVER:	16.0	2.5	2.5	5.0	4.5	5.5	1.0	5.0	3.0	3.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	3	2	6	4	3	4	7	5	5
TOTAL % COVER:	3.0	1.5	15.5	5.5	2.0	1.5	2.0	6.0	5.0	5.0

File: rogl0.scs

Date: 92/04/22

Time: 17:04:03

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	0.550	11.46	0.43	9.35
004	boutel curti	0.333	6.94	0.50	10.79
102	oxalis stric	0.083	1.74	0.17	3.60
210	carex spp.	0.033	0.69	0.07	1.44
072	croton monan	0.533	11.11	0.73	15.83
098	artems ludov	0.900	18.75	0.63	13.67
774	androp sacch	0.117	2.43	0.23	5.04
046	ambros psilo	0.050	1.04	0.10	2.16
781	opunti sp	0.067	1.39	0.13	2.88
119	rudbec hirta	0.050	1.04	0.10	2.16
903	star gras	0.033	0.69	0.07	1.44
534	boutel sp	0.033	0.69	0.07	1.44
058	aster erico	0.100	2.08	0.20	4.32
428	evolvu nutta	0.033	0.69	0.07	1.44
817	monard citri	0.083	1.74	0.17	3.60
223	hedyot nigri	0.017	0.35	0.03	0.72
111	physal pumil	0.017	0.35	0.03	0.72
071	conyza canad cana	0.017	0.35	0.03	0.72
880	ball-t aste	0.017	0.35	0.03	0.72
845	tragia like	0.017	0.35	0.03	0.72
023	sporob heter	0.100	2.08	0.03	0.72
913	dicot seed	0.017	0.35	0.03	0.72
685	rosa sp	0.033	0.69	0.07	1.44
706	schiza scopa	0.017	0.35	0.03	0.72
234	rhus glabr	0.017	0.35	0.03	0.72
206	viola prati	0.017	0.35	0.03	0.72
859	pf24	0.100	2.08	0.20	4.32
920	silver rose	0.167	3.47	0.33	7.19
043	sympho orbic	1.250	26.04	0.03	0.72

DIVERSITY 2.4356

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	3	5	6	4	5	4	6	3	4
TOTAL % COVER:	2.5	4.0	5.0	3.0	4.5	5.0	2.0	3.0	1.5	4.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	5	5	6	5	7	6	5	4	8
TOTAL % COVER:	5.0	2.5	2.5	3.0	5.0	3.5	3.0	2.5	2.0	4.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	3	5	6	5	4	1	1	4	3
TOTAL % COVER:	3.0	4.0	5.0	8.0	5.0	39.0	3.0	3.0	2.0	4.0

File: rogl2-1.scs

Date: 92/04/22

Time: 16:57:29

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
615	triden stric	0.117	1.48	0.07	1.29
612	paspal flori	0.417	5.30	0.33	6.45
018	sorgha nutan	1.250	15.89	0.53	10.32
706	schiza scopa	1.350	17.16	0.70	13.55
936	rosett forb	0.417	5.30	0.67	12.90
608	bromus sp	0.350	4.45	0.20	3.87
015	panicu virga	0.867	11.02	0.73	14.19
605	androp virgi	2.200	27.97	0.63	12.26
343	aristi purpu purp	0.100	1.27	0.20	3.87
021	sporob asper aspe	0.233	2.97	0.30	5.81
002	androp gerar	0.333	4.24	0.33	6.45
932	unknow forb	0.100	1.27	0.20	3.87
210	carex spp.	0.050	0.64	0.10	1.94
954	unknow lill	0.017	0.21	0.03	0.65
014	dichan oligo scri	0.017	0.21	0.03	0.65
011	eragro spect	0.017	0.21	0.03	0.65
046	ambros peilo	0.017	0.21	0.03	0.65
024	aristi oliga	0.017	0.21	0.03	0.65

DIVERSITY

2.1529

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	4	4	2	4	5	6	5	5	3
TOTAL % COVER:	5.5	7.0	19.0	6.0	4.5	5.0	8.0	10.0	19.5	9.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	6	5	5	5	6	4	6	5	8
TOTAL % COVER:	5.0	5.5	5.0	5.0	7.5	10.5	4.5	5.5	7.5	9.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	4	6	7	5	7	5	6	5	5	6
TOTAL % COVER:	7.0	5.5	6.0	5.0	3.5	17.0	8.0	10.0	7.5	8.0

File: rogl2-2.scs

Date: 92/04/22

Time: 16:59:10

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
803	sporob sp	6.317	27.23	0.67	19.80
801	festuc elati	6.150	26.51	0.63	18.81
943	unknow gras	0.150	0.65	0.13	3.96
024	aristi oliga	3.400	14.66	0.53	15.84
800	cynodo dacty	2.283	9.84	0.10	2.97
343	aristi purpu purp	3.500	15.09	0.47	13.86
612	paspal flori	0.967	4.17	0.30	8.91
936	rosett forb	0.167	0.72	0.33	9.90
556	oxalis sp	0.017	0.07	0.03	0.99
126	solanu carol	0.100	0.43	0.03	0.99
014	dichan oligo scri	0.033	0.14	0.07	1.98
614	setari genic	0.117	0.50	0.07	1.98

DIVERSITY 1.7663

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	3	4	4	5	4	5	3	4	3
TOTAL % COVER:	18.5	6.5	19.0	19.0	10.0	16.5	10.0	38.5	7.0	16.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	2	3	3	4	4	4	3	5	4	1
TOTAL % COVER:	6.0	18.5	18.5	21.5	7.0	19.0	63.5	64.5	9.5	37.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	2	1	4	2	4	3	4	3	4	3
TOTAL % COVER:	3.5	62.5	64.0	63.0	19.0	6.5	7.0	18.5	7.0	18.5

File: rogl2-3.scs

Date: 92/04/22

Time: 17:00:58

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME		MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
612	paspal flori	1	0.533	4.45	0.40	8.33
605	androp virgi		6.900	57.58	0.77	15.97
706	schiza scopa		0.417	3.48	0.50	10.42
936	rosett forb		0.550	4.59	0.60	12.50
018	sorgha nutan		1.167	9.74	0.53	11.11
015	panicu virga		0.683	5.70	0.53	11.11
343	aristi purpu	purp	0.083	0.70	0.17	3.47
002	androp gerar		0.750	6.26	0.50	10.42
014	dichan oligo	scri	0.100	0.83	0.20	4.17
011	eragro spect		0.217	1.81	0.10	2.08
714	antenn sp		0.017	0.14	0.03	0.69
046	ambros psilo		0.033	0.28	0.07	1.39
024	aristi oliga		0.350	2.92	0.20	4.17
021	sporob asper	aspe	0.033	0.28	0.07	1.39
126	solanu carol		0.017	0.14	0.03	0.69
932	unknow forb		0.100	0.83	0.03	0.69
044	achill mille	lanu	0.033	0.28	0.07	1.39

DIVERSITY

1.6357

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	4	5	4	3	5	2	5	5	3
TOTAL % COVER:	9.5	4.5	17.0	16.5	16.0	39.5	38.0	17.0	19.5	4.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	5	6	5	5	5	6	6	3	7
TOTAL % COVER:	4.5	5.0	5.5	5.0	5.0	7.5	10.5	10.5	16.0	8.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	6	6	5	5	5	5	6	5	4
TOTAL % COVER:	10.0	10.5	20.0	5.0	7.5	17.0	7.5	10.5	5.0	7.0

File: rogl4.scs

Date: 92/04/22

Time: 17:02:21

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
936	rosett forb	3.817	33.09	0.97	18.59
002	androp gerar	1.267	10.98	0.53	10.26
706	schiza scopa	1.417	12.28	0.53	10.26
044	achill mille lanu	0.017	0.14	0.03	0.64
018	sorgha nutan	1.333	11.56	0.53	10.26
612	paspal flori	0.600	5.20	0.53	10.26
015	panicu virga	0.317	2.75	0.47	8.97
021	sporob asper aspe	0.083	0.72	0.17	3.21
954	unknow lill	0.033	0.29	0.07	1.28
011	eragro spect	0.150	1.30	0.13	2.56
957	northe biva	0.017	0.14	0.03	0.64
605	androp virgi	2.083	18.06	0.57	10.90
014	dichan oligo scri	0.067	0.58	0.13	2.56
210	carex spp.	0.050	0.43	0.10	1.92
614	setari genic	0.183	1.59	0.20	3.85
343	aristi purpu purp	0.033	0.29	0.07	1.28
714	antenn sp	0.017	0.14	0.03	0.64
218	triden flavu	0.017	0.14	0.03	0.64
476	asclep sp	0.017	0.14	0.03	0.64
615	triden stric	0.017	0.14	0.03	0.64

DIVERSITY 1.9790

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	5	4	6	5	5	7	6	5	4
TOTAL % COVER:	19.5	19.5	16.5	20.0	24.5	19.5	11.0	10.5	7.5	4.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	5	5	5	5	4	6	6	6	6
TOTAL % COVER:	7.5	7.5	12.5	7.5	19.5	16.5	5.5	10.5	17.5	10.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	6	4	5	6	6	4	4	8	5	3
TOTAL % COVER:	10.5	7.0	7.5	10.5	8.0	4.5	7.0	11.5	5.0	6.5

File: rogl5.scs

Date: 92/04/22

Time: 17:04:13

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
936	rosett forb	2.033	16.33	0.93	22.40
015	panicu virga	0.583	4.69	0.50	12.00
706	schiza scopa	6.433	51.67	0.83	20.00
210	carex spp.	0.017	0.13	0.03	0.80
954	unknow lill	0.033	0.27	0.07	1.60
614	setari genic	0.033	0.27	0.07	1.60
002	androp gerar	2.450	19.68	0.67	16.00
014	dichan oligo scri	0.067	0.54	0.13	3.20
476	asclep sp	0.017	0.13	0.03	0.80
800	cynodo dacty	0.017	0.13	0.03	0.80
021	sporob asper aspe	0.100	0.80	0.20	4.80
472	psoral sp	0.017	0.13	0.03	0.80
018	sorgha nutan	0.517	4.15	0.37	8.80
699	legume sp	0.033	0.27	0.07	1.60
612	paspal flori	0.033	0.27	0.07	1.60
640	diodia teres	0.033	0.27	0.07	1.60
024	aristi oliga	0.017	0.13	0.03	0.80
532	euphor sp	0.017	0.13	0.03	0.80
DIVERSITY		1.4317			

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	3	5	5	4	4	3	3	4	4	2
TOTAL % COVER:	6.5	19.5	34.0	4.5	19.0	4.0	4.0	7.0	7.0	15.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	4	4	5	7	5	3	3	4	6	3
TOTAL % COVER:	16.5	7.0	19.5	20.5	12.5	6.5	4.0	39.0	8.0	16.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	4	3	4	5	6	3	5	5	4
TOTAL % COVER:	5.0	7.0	18.5	7.0	10.0	17.5	16.0	10.0	7.5	4.5

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	49.867	96.52	1.00	23.44
050	apocyn canna	0.033	0.06	0.07	1.56
210	carex spp.	0.383	0.74	0.77	17.97
881	?	0.283	0.55	0.57	13.28
867	solida lanc	0.033	0.06	0.07	1.56
014	dichan oligo scri	0.033	0.06	0.07	1.56
910	viney clov	0.100	0.19	0.20	4.69
896	lesped vine	0.017	0.03	0.03	0.78
206	viola prati	0.017	0.03	0.03	0.78
135	tragop dubiu	0.133	0.26	0.27	6.25
512	solanu torre	0.017	0.03	0.03	0.78
882	?	0.033	0.06	0.07	1.56
058	aster erico	0.133	0.26	0.10	2.34
835	hetero sp	0.017	0.03	0.03	0.78
009	elymus canad	0.050	0.10	0.10	2.34
845	tragia like	0.017	0.03	0.03	0.78
748	sorghu halap	0.017	0.03	0.03	0.78
929	ipomoe pand	0.483	0.94	0.80	18.75

DIVERSITY

0.2269

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	4	3	4	5	5	5	5	8	5	5
TOTAL % COVER:	16.5	16.0	41.5	17.0	39.5	64.5	39.5	41.0	39.5	64.5
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	4	4	4	3	4	5	4	3	5
TOTAL % COVER:	17.0	86.5	86.5	64.0	86.0	86.5	7.5	2.0	63.5	64.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	3	3	5	5	4	3	3	4	5	3
TOTAL % COVER:	86.0	86.0	64.5	87.0	39.0	38.5	38.5	64.0	39.5	63.5

File: was01.scs

Date: 92/04/22

Time: 16:59:17

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
002	androp gerar	1.100	17.19	0.87	11.02
513	helian sp	0.350	5.47	0.70	8.90
588	mentze sp	0.167	2.60	0.33	4.24
912	carrot umbe	0.083	1.30	0.17	2.12
861	arrowh leaf	0.200	3.13	0.40	5.08
532	euphor sp	0.050	0.78	0.10	1.27
102	oxalis stric	0.083	1.30	0.17	2.12
378	paspal setac muhl	0.100	1.56	0.20	2.54
210	carex spp.	0.133	2.08	0.27	3.39
714	antenn sp	0.083	1.30	0.17	2.12
015	panicu virga	0.233	3.65	0.30	3.81
706	schiza scopa	1.400	21.88	0.50	6.36
844	lance forb	0.583	9.11	0.20	2.54
014	dichan oligo scri	0.217	3.39	0.43	5.51
763	ulmus sp	0.017	0.26	0.03	0.42
046	ambros psilo	0.167	2.60	0.33	4.24
774	androp sacch	0.017	0.26	0.03	0.42
883	?	0.033	0.52	0.07	0.85
058	aster erico	0.100	1.56	0.20	2.54
891	long ligu	0.017	0.26	0.03	0.42
896	lesped vine	0.033	0.52	0.07	0.85
860	orange forb	0.017	0.26	0.03	0.42
151	lesped stipu	0.050	0.78	0.10	1.27
884	?	0.017	0.26	0.03	0.42
156	acalyp virgi	0.083	1.30	0.17	2.12
908	clover	0.117	1.82	0.23	2.97
018	sorgha nutan	0.183	2.86	0.37	4.66
211	ambros artem	0.017	0.26	0.03	0.42
861	arrowh leaf	0.017	0.26	0.03	0.42
870	pa09	0.050	0.78	0.10	1.27
361	rubus ostry	0.150	2.34	0.13	1.69
152	asclep virdf	0.033	0.52	0.07	0.85
122	schran nutta	0.033	0.52	0.07	0.85
897	lesped pea	0.017	0.26	0.03	0.42
614	setari genic	0.033	0.52	0.07	0.85
618	salvia azure	0.033	0.52	0.07	0.85
845	tragia like	0.017	0.26	0.03	0.42
072	croton monan	0.033	0.52	0.07	0.85
858	rough rose	0.133	2.08	0.27	3.39
092	linum sulca	0.017	0.26	0.03	0.42
516	solida sp	0.033	0.52	0.07	0.85
149	scutel parvu leon	0.017	0.26	0.03	0.42
044	achill mille lanu	0.033	0.52	0.07	0.85
077	eriger strig stri	0.017	0.26	0.03	0.42
874	aster fril	0.017	0.26	0.03	0.42
636	sabati campe	0.050	0.78	0.10	1.27
931	povi	0.017	0.26	0.03	0.42

DIVERSITY

2.9412

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	11	9	9	10	10	7	9	13	8	8

TOTAL % COVER:	8.0	7.0	7.0	5.0	7.5	6.0	4.5	9.0	4.0	4.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	7	7	8	9	8	9	6	7	7	6
TOTAL % COVER:	18.0	6.0	6.5	4.5	6.5	4.5	5.5	6.0	6.0	5.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	5	7	7	6	5	7	8	8	8
TOTAL % COVER:	6.0	5.0	18.0	6.0	3.0	2.5	6.0	4.0	4.0	6.5

File: was04.scs

Date: 92/04/22

Time: 17:01:03

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
022	sporob crypt	2.667	40.10	0.90	13.37
014	dichan oligo scri	1.167	17.54	0.87	12.87
044	achill mille lanu	0.033	0.50	0.07	0.99
906	bright gras	0.017	0.25	0.03	0.50
119	rudbec hirta	0.383	5.76	0.43	6.44
015	panicu virga	0.183	2.76	0.37	5.45
018	sorgha nutan	0.083	1.25	0.17	2.48
908	clover	0.133	2.01	0.27	3.96
912	carrot umbe	0.250	3.76	0.50	7.43
706	schiza scopa	0.200	3.01	0.23	3.47
210	carex spp.	0.567	8.52	0.97	14.36
844	lance forb	0.017	0.25	0.03	0.50
152	asclep virdf	0.050	0.75	0.10	1.49
378	paspal setac muhl	0.083	1.25	0.17	2.48
851	red aste	0.100	1.50	0.20	2.97
122	schran nutta	0.050	0.75	0.10	1.49
044	achill mille lanu	0.050	0.75	0.10	1.49
636	sabati campe	0.017	0.25	0.03	0.50
588	mentze sp	0.067	1.00	0.13	1.98
072	croton monan	0.050	0.75	0.10	1.49
046	ambros psilo	0.067	1.00	0.13	1.98
071	conyza canad cana	0.017	0.25	0.03	0.50
913	dicot seed	0.067	1.00	0.13	1.98
675	lesped cunea	0.017	0.25	0.03	0.50
102	oxalis stric	0.067	1.00	0.13	1.98
897	lesped pea	0.017	0.25	0.03	0.50
077	eriger strig stri	0.050	0.75	0.10	1.49
903	star gras	0.033	0.50	0.07	0.99
896	lesped vine	0.083	1.25	0.17	2.48
009	elymus canad	0.017	0.25	0.03	0.50
117	psoral tenui flor	0.017	0.25	0.03	0.50
736	euphor macul	0.017	0.25	0.03	0.50
931	povi	0.017	0.25	0.03	0.50

DIVERSITY 2.2516

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	5	7	6	8	6	9	5	7	7	6
TOTAL % COVER:	5.0	6.0	8.0	6.5	17.5	4.5	7.5	6.0	6.0	3.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	6	6	7	9	5	5	4	6	9	9
TOTAL % COVER:	5.5	5.5	6.0	4.5	5.0	5.0	4.5	3.0	7.0	7.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	8	6	8	7	9	5	6	6	7	8
TOTAL % COVER:	6.5	3.0	4.0	3.5	7.0	5.0	17.5	3.0	18.0	9.0

File: was05.acs

Date: 92/04/22

Time: 17:02:29

SPECIES COMPOSITION SUMMARY
STATISTICS

CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
343	aristi purpu purp	0.367	4.18	0.40	7.36
706	schiza scopa	2.467	28.14	0.70	12.88
243	eriger spp.	0.100	1.14	0.03	0.61
36r	cyperu lupul lupu	0.467	5.32	0.77	14.11
943	unknow gras	0.133	1.52	0.10	1.84
714	antenn sp	0.050	0.57	0.10	1.84
757	androp terna	0.717	8.17	0.13	2.45
803	sporob sp	0.033	0.38	0.07	1.23
021	sporob asper aspe	0.950	10.84	0.43	7.98
015	panicu virga	0.867	9.89	0.57	10.43
605	androp virgi	0.300	3.42	0.27	4.91
040	amorph canes	0.117	1.33	0.23	4.29
011	eragro spect	0.100	1.14	0.20	3.68
002	androp gerar	0.917	10.46	0.37	6.75
102	oxalis stric	0.017	0.19	0.03	0.61
018	sorgha nutan	0.250	2.85	0.33	6.13
168	leptol cogna	0.033	0.38	0.07	1.23
613	paspal sp	0.117	1.33	0.23	4.29
014	dichan oligo scri	0.050	0.57	0.10	1.84
787	gutier draci	0.017	0.19	0.03	0.61
218	triden flavu	0.033	0.38	0.07	1.23
275	silphi lacin	0.500	5.70	0.03	0.61
024	aristi oliga	0.017	0.19	0.03	0.61
516	solida sp	0.017	0.19	0.03	0.61
173	aster sp	0.017	0.19	0.03	0.61
189	tripsa dacty	0.117	1.33	0.07	1.23

DIVERSITY 2.4566

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	6	6	3	6	7	7	7	6	4	6
TOTAL % COVER:	8.0	5.5	18.5	3.0	8.5	6.0	8.5	3.0	4.5	3.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	3	7	4	5	4	4	5	5	6	7
TOTAL % COVER:	16.0	6.0	7.0	22.0	16.5	16.5	5.0	5.0	5.5	6.0
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	7	6	4	6	6	5	3	7	7	4
TOTAL % COVER:	8.5	5.5	9.5	5.5	17.5	7.5	18.5	3.5	8.5	4.5

File: was07.scs

Date: 92/04/22

Time: 17:04:19

SPECIES COMPOSITION SUMMARY
STATISTICS

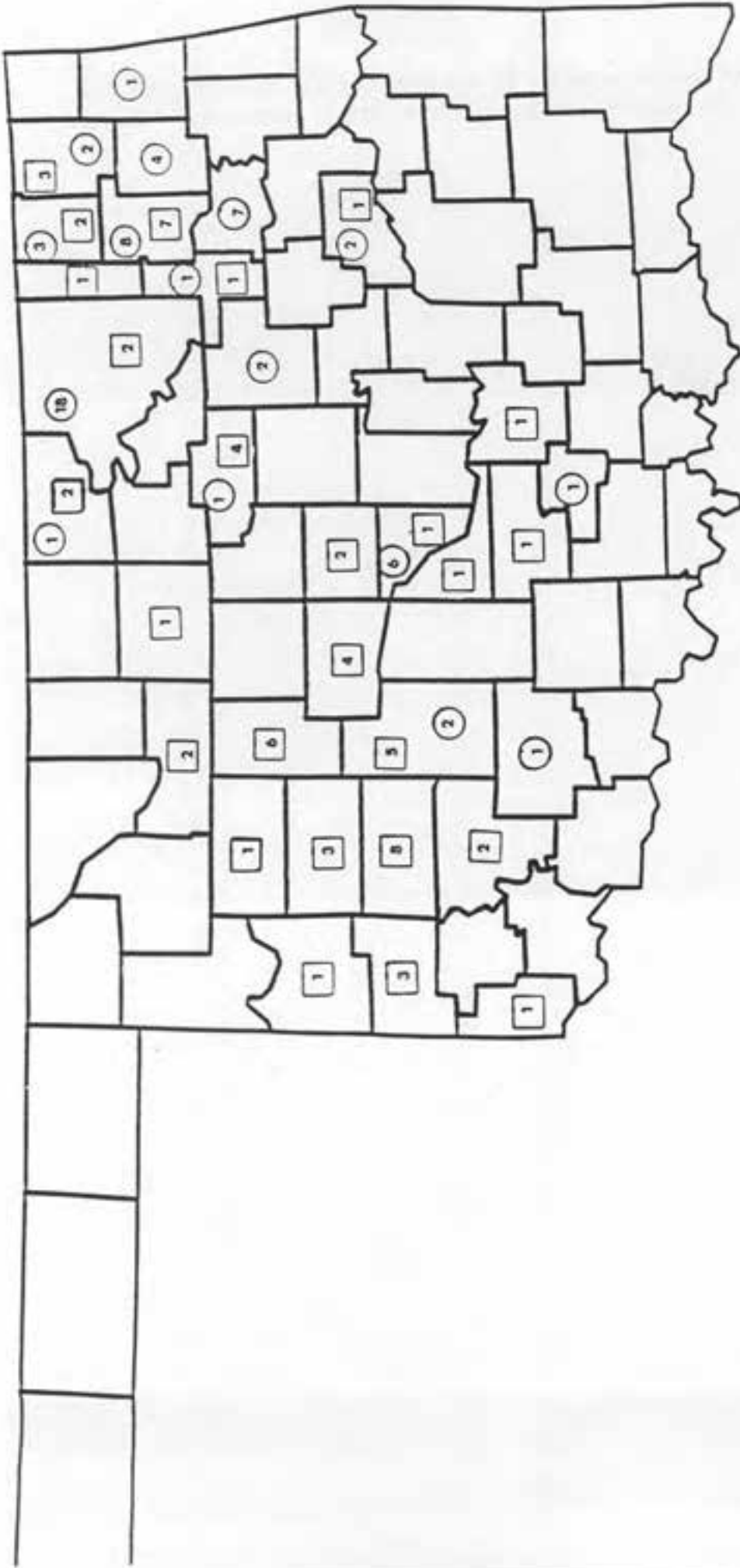
CODE	SPECIES NAME	MEAN COVER	%REL COVER	MEAN FREQ	%REL FREQ
800	cynodo dacty	3.900	34.01	0.47	10.94
011	eragro spect	0.350	3.05	0.20	4.69
646	aristi sp	0.950	8.28	0.57	13.28
046	ambros psilo	1.950	17.01	0.63	14.84
477	croton texen	0.117	1.02	0.23	5.47
936	rosett forb	0.100	0.87	0.20	4.69
943	unknow gras	0.017	0.15	0.03	0.78
774	androp sacch	0.017	0.15	0.03	0.78
014	dichan oligo scri	0.467	4.07	0.43	10.16
963	?	1.183	10.32	0.70	16.41
674	setari sp	0.350	3.05	0.20	4.69
210	carex spp.	0.650	5.67	0.17	3.91
803	sporob sp	0.033	0.29	0.07	1.56
058	aster erico	0.033	0.29	0.07	1.56
007	buchlo dacty	0.717	6.25	0.13	3.13
168	leptol cogna	0.017	0.15	0.03	0.78
008	chlori verti	0.117	1.02	0.07	1.56
022	sporob crypt	0.500	4.36	0.03	0.78

DIVERSITY

2.1219

TOTALS

	1	2	3	4	5	6	7	8	9	10
TOT NO SPECIES:	2	4	4	2	2	3	5	3	4	5
TOTAL % COVER:	15.5	7.0	31.0	3.5	40.5	16.0	19.5	6.5	7.0	17.0
	11	12	13	14	15	16	17	18	19	20
TOT NO SPECIES:	5	6	5	5	5	4	4	4	6	3
TOTAL % COVER:	5.0	8.0	10.0	7.5	7.5	9.5	4.5	9.5	17.5	6.5
	21	22	23	24	25	26	27	28	29	30
TOT NO SPECIES:	5	4	4	4	6	4	5	5	5	5
TOTAL % COVER:	7.5	7.0	7.0	4.5	10.5	16.5	5.0	7.5	19.5	10.0



County distribution in Oklahoma

