

Table(4): Family, Scientific name, Frequency, Abundance, Density, Relative density, Proportion and Shinion Divers Index (SDI) of the experimental site at Twanah Reserve in Spring 2007.

Family	Scientific name	Frequency	Density	Relative density	Abundance	Proportion	SDI
Gramineae	<i>Poa sinaica</i>	53.3	2.1	4.05	4.0	0.04051	0.1299
Chenopodiaceae	<i>Anabasis syriaca</i>	53.3	1.6	3.04	3.0	0.03038	0.1061
Compositae	<i>Artemisia herba-alba</i>	20.0	0.4	0.76	2.0	0.00759	0.0371
Brassicaceae	<i>Diplotaxis erucoides</i>	86.7	10.5	19.87	12.1	0.19873	0.3211
Compositae	<i>Scorzonera judaica Eig</i>	40.0	0.8	1.52	2.0	0.01519	0.0636
Cestaceae	<i>Helianthemum ledifolium</i>	40.0	1.5	2.78	3.7	0.02785	0.0997
Papilionaceae	<i>Astragalus spp.</i>	66.7	4.3	8.10	6.4	0.08101	0.2036
Cruciferae	<i>Torularia torulosa</i>	73.3	4.3	8.23	5.9	0.08228	0.2055
Cruciferae	<i>Matthiola spp.</i>	20.0	0.2	0.38	1.0	0.00380	0.0212
Liliaceae	<i>Allium spp.</i>	33.3	0.7	1.39	2.2	0.01392	0.0595
Gramineae	<i>Hordeum glaucum</i>	26.7	0.4	0.76	1.5	0.00759	0.0371
Cruciferae	<i>Sisymbrium irio L.</i>	73.3	5.9	11.14	8.0	0.11139	0.2445
Papilionaceae	<i>Onobrychis cristan</i>	33.3	1.3	2.41	3.8	0.02405	0.0897
Liliaceae	<i>Colchicum tunicatum</i>	53.3	1.3	2.53	2.5	0.02532	0.0931
Liliaceae	<i>Gagea reticulata</i>	33.3	1.1	2.03	3.2	0.02025	0.0790
Cruciferae	<i>Malcolmia conringioides</i>	40.0	0.5	0.89	1.2	0.00886	0.0419
Ranunculaceae	<i>Adonis dentata</i>	6.7	0.1	0.13	1.0	0.00127	0.0084
Cyperaceae	<i>Carex divisa</i>	80.0	6.9	13.04	8.6	0.13038	0.2656
Iridaceae	<i>Crocus cancellatus</i>	13.3	0.4	0.76	3.0	0.00759	0.0371
Compositae	<i>Filago desertorum Pomel</i>	33.3	0.6	1.14	1.8	0.01139	0.0510
Umbellefereve	<i>Caetosciadium spp..</i>	13.3	0.3	0.51	2.0	0.00506	0.0268
Gramineae	<i>Lolium spp.</i>	6.7	0.1	0.13	1.0	0.00127	0.0084
Chenopodiaceae	<i>Salsola jordanicola</i>	26.7	7.2	13.67	27.0	0.13671	0.2720
Cruciferae	<i>Torularia torulosa</i>	6.7	0.1	0.13	1.0	0.00127	0.0084
Geraniaceae	<i>Erodium gruinum</i>	6.7	0.1	0.13	1.0	0.00127	0.0084
Chenopodiaceae	<i>Noaea mucronata</i>	20.0	0.2	0.38	1.0	0.00380	0.0212
Caryophyllaceae	<i>Herniaria hirsuta</i>	6.7	0.1	0.13	1.0	0.00127	0.0084

Table(6): Animal behavior through day light.

Status	Hours of monitoring (hours of starting at morning)										
	8	9	10	11	12	13	14	15	16	17	18
Grazing	28.23 b	15.33c	14.61 c	6.13f	5.87 f	10.27de	13.2 dc	6.93 fe	12.13 dc	27.89 b	35.33 a
Browsing	3.14b	0.00 d	1.17 cd	1.174cd	1.70cd	2.8cb	1.67 cd	1.47cd	2.13cb	2.27cb	5.33 a
Laying	1.64 e	11.73 dc	12.26 dc	30.26 a	27.91 ab	7.733 d	14.00 c	24.67 b	15.87 c	2.93 e	0.00 e
Drinking	0.00 e	0.4 ed	1.04 cd	0.39 ed	4.83 a	2.00 cb	0.53 cd	0.13 ed	0.00 e	1.73 cd	2.53 b
Standing	21.96 ec	29.87 a	25.96 ac	19.57 ed	18.39 e	29.07 a	26.53 ab	22.67 bd	27.73 a	19.47 ed	10.40 f
Ruminating	5.05 bd	2.67 ed	4.96 bd	2.48 ed	3.13 ed	8.267 a	4.27 bd	4.27 bd	2.13 e	5.73 bc	6.4 ab