

# FHM Lichen Communities Indicator 1999 Data Summary from Utah and Nevada

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## Table of Contents

Quality Assurance .....	1
Plot Statistics.....	2
Figure 1. Lichen species richness in Utah and Nevada, 1999.....	3
Species.....	4
Appendix 1. Crew codes .....	5
Appendix 2. FHM Plots in Utah, 1999 .....	6
Appendix 3. FHM Plots in Nevada, 1999.....	10
Appendix 4. List of species by plot .....	12

This report summarizes lichen data from the 149 lichen plots conducted in Utah in 1999. Out of the 149 plots, 139 were on-frame, 9 were expert and additional crew QA, and 1 was off-frame. Analysis of plots by ecoregions and establishment of a gradient model will await gradient model funding and reporting.

## Quality Assurance

Both training and hot check QA scores were excellent (Table 1), with 100% of crews achieving the desired Measurement Quality Objectives (MQO's) of 65% of an expert's species capture on the same plot. Cold check scores had a generally lower species capture rate, and only 67% (N=3) of crews achieved a passing MQO, though the resample rate was lower than desirable for assessment. The coefficient of variation between crews was good in all QA tests, ranging from 1 to 10.

Table 1. QA data from FHM plots in Utah, 1999.

QA Type	Plot Statistics			QA Metrics					
	N	Mean S	St. dev. (S)	Mean % of Expert	St. dev. (% of Expert)	Bias	% of Crews Achieving MQO	Range Crew/Expert Scores (%)	CV between crews <sup>1</sup>
Hot Check-crew	6	7.0	2.4	104	40.25	0.17	100	71 - 143	5.75
Hot Check-expert	4	7.0	0.8	-	-	-	-	-	-
Cold Check	3	3.0	1.7	57	32.83	-3.33	67	20 - 83	10.94
Cold Check-expert	3	6.3	3.5	-	-	-	-	-	-
Training-crew	9	8.4	0.9	84	9	-1.56	100	70-100	1.05
Training-expert	1	10	-	-	-	-	-	-	-
Total - crew	18	7.1	2.5	86	30	-1.28	94	20 - 143	4.27

1. The coefficient of variation (CV)=(standard deviation of crew scores for a QA type /mean crew score for that QA type)\*100

## Plot Statistics

Table 2. Plot summary statistics from 210 FHM on-frame, QA and off-frame plots in Utah and Nevada, 1999.  $\alpha$  is the species richness per plot,  $\gamma$  is the total number of species in the dataset, and  $\beta$  is  $\gamma/\alpha$ , a rough measure of “community turnover”.

<b>Plot Type</b>	<b>N</b>	<b>a (St Dev.)</b>	<b>b</b>	<b>g</b>
<b><i>Utah</i></b>				
On-Frame	139	4.2 (2.3)	9.3	39
QA-Cold Checks	6	5.2 (3.0)	3.3	17
QA-Hot Checks	10	7.0 (1.8)	2.1	15
Off-Frame	1	7.0 (-)	1	7
Utah Total*	149	4.3 (2.3)	9.1	39
<b><i>Nevada</i></b>				
On-Frame	61	2.8 (1.8)	9.6	27
<b>Utah-Nevada Total</b>	<b>210</b>	<b>3.9 (2.3)</b>	<b>11.3</b>	<b>44</b>

\* No duplicates: all plots listed once in data set regardless of QA status.

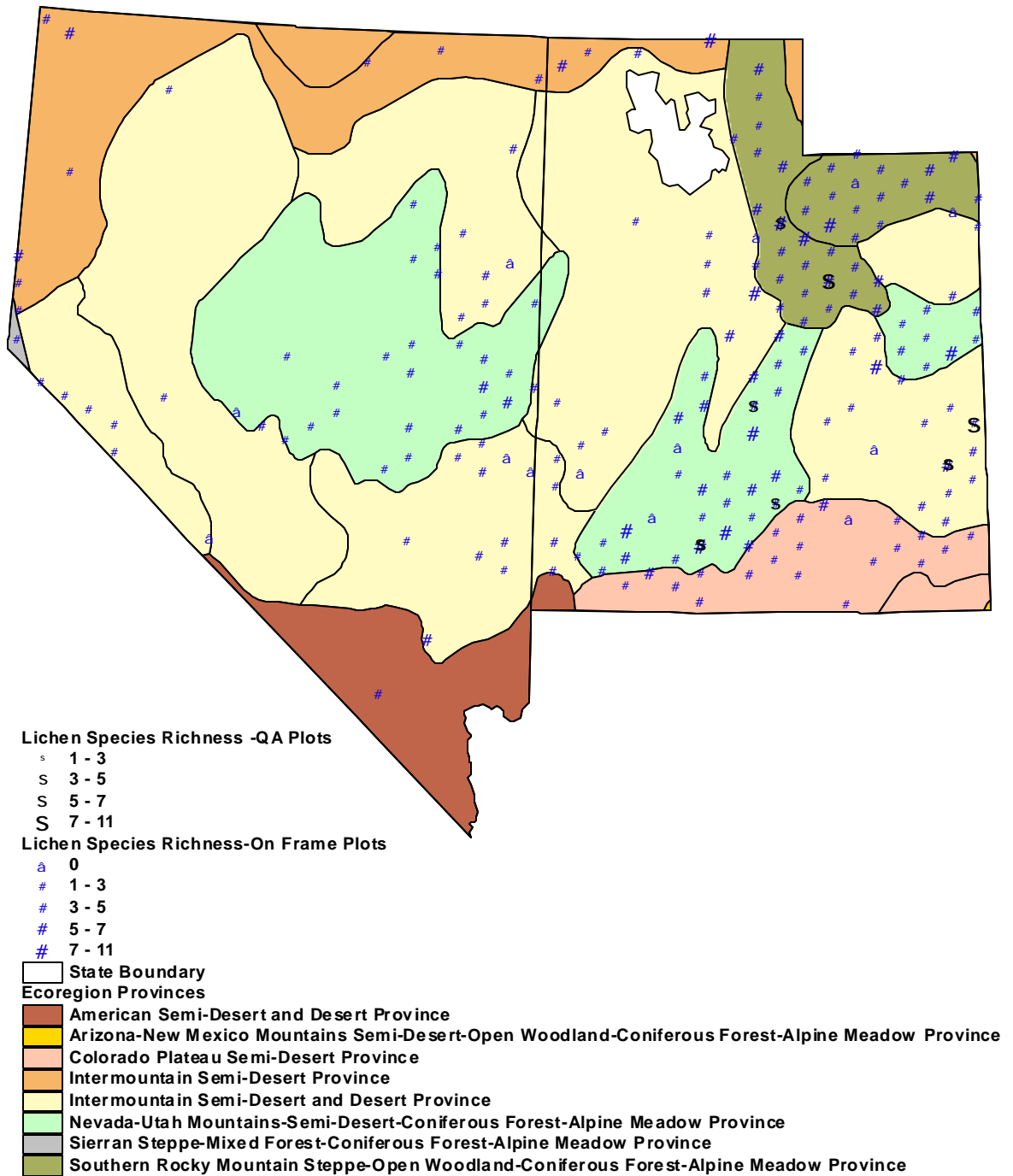


Figure 1. Lichen species richness on FHM plots in Utah and Nevada, 1999.

## Species

Table 3. Macrolichen species present in 149 On-frame, QA and Off-frame plots in Utah, 1999.

Name	% Frequency	% of Total Possible Abundance Score	Mean Abundance Where Present
<i>Ahtiana sphaerosporella</i>	1	0	2.0
<i>Alectoria imshaugii</i>	1	0	2.0
<i>Bryoria</i> sp.	1	0	1.0
<i>Bryoria fuscescens</i>	1	0	1.0
<i>Candelaria concolor</i>	3	2	2.8
<i>Cladonia fimbriata</i>	1	0	2.0
<i>Flavopunctelia soledica</i>	1	1	3.0
<i>Letharia columbiana</i>	1	0	1.0
<i>Letharia vulpina</i>	1	0	2.0
<i>Melanelia elegantula</i>	35	26	3.0
<i>Melanelia exasperatula</i>	8	6	2.9
<i>Melanelia subelegantula</i>	6	5	3.0
<i>Melanelia subolivacea</i>	60	45	3.0
<i>Parmeliopsis ambigua</i>	1	1	3.0
<i>Parmeliopsis hyperopta</i>	1	1	3.0
<i>Phaeophyscia</i> sp.	1	1	3.0
<i>Phaeophyscia hirsuta</i>	7	5	2.8
<i>Phaeophyscia hispidula</i>	1	1	3.0
<i>Phaeophyscia nigricans</i>	4	3	3.0
<i>Physcia adscendens</i>	38	25	2.7
<i>Physcia biziana</i>	38	26	2.8
<i>Physcia dimidiata</i>	43	27	2.5
<i>Physcia dubia</i>	5	3	2.5
<i>Physcia stellaris</i>	5	4	2.9
<i>Physcia tenella</i>	1	1	2.0
<i>Physciella chloantha</i>	8	6	2.8
<i>Physciella nepalensis</i>	3	2	2.3
<i>Physconia enteroxantha</i>	1	1	3.0
<i>Usnea</i> sp.	2	1	1.0
<i>Usnea hirta</i>	5	2	2.0
<i>Usnea lapponica</i>	1	1	3.0
<i>Usnea substerilis</i>	1	1	3.0
<i>Xanthoria</i> sp.	1	1	2.0
<i>Xanthoria fallax</i>	21	15	2.8
<i>Xanthoria fulva</i>	24	18	2.9
<i>Xanthoria montana</i>	74	54	2.9
<i>Xanthoria oregana</i>	29	22	3.1
<i>Xanthoparmelia</i> c.f. <i>subdicepiens</i>	1	0	1.0
<i>Xanthoparmelia plittii</i>	1	0	2.0
			2.5

**Appendix 1. Crew codes in 1999 Utah/Nevada plot list (Appendix 2).**

**Crews**

P. Conklin (UT)	h
N. Conlin (UT)	i
A. Grey (UT)	j
Herwig (UT)	k
Jackson (UT)	l
Marshall (UT)	m
Paul Rogers (UT)	n

**Experts**

Peter Neitlich	Z
Riban Ulrich	W

**Appendix 2. FHM plots in Utah, 1999, 149 plots x 38 species.** For crew codes, see Appendix 1 above. All QA plots are listed in the QA sections (Cold Checks, Hot Checks). In addition, each cold check and the best hot check score (if a hot check had multiple observers) is listed in the On-Frame section.

<b>Hex_ID</b>	<b>Species Richness</b>
---------------	-------------------------

***Cold Checks***

3711184Z	6
3711184h	2
3810952Z	10
3810952i	2
3811176Z	6
3811176j	5

***Hot Checks***

3711252W	6
3711252k	5
3711252h	10
3810934W	7
3810934l	5
3810934i	6
3911087W	8
3911087j	6
4011143W	7
4011143m	10

***Off-Frame Plots***

UTAH99	7
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***On-Frame Hex Plots***

3710947	3
3710955	1
3710962	2
3710967	4
3710974	5
3710987	5
3711015	3
3711043	3
3711051	2
3711071	3
3711075	0
3711087	6
3711132	1
3711136	4
3711144	1
3711152	2
3711156	7
3711164	3
3711168	8
3711171	4
3711176	2

<b>Hex_ID</b>	<b>Species Richness</b>
3711184h	2
3711188	5
3711212	4
3711224	5
3711232	3
3711236	6
3711244	5
3711252h	10
3711272	3
3711276	0
3711321	2
3711333	5
3711337	4
3711341	7
3711345	3
3711353	3
3711357	4
3711361	11
3810914	3
3810922	2
3810934i	6
3810942	4
38109521	2
3810966	2
3810974	3
3811027	2
3811043	0
3811067	3
3811075	1
3811111	2
3811116	6
3811124	6
3811128	4
3811156	10
3811176j	5
3811183	5
3811212	7
3811224	3
3811244	0
3811264	7
3811272	6
3811317	1
3811325	0
3811337	3
3811345	1
3811353	3
3811377	1
3910918	5
3910924	8
3910926	3

<b>Hex_ID</b>	<b>Species Richness</b>
3910932	2
3910938	4
3910946	3
3910951	5
3910956	4
3910958	3
3910964	5
3911022	8
3911035	2
3911042	4
3911062	6
3911067	2
3911087j	6
3911074	4
3911082	7
3911115	7
3911123	5
3911131	4
3911143	6
3911148	7
3911151	5
3911163	4
3911171	3
3911175	9
3911183	5
3911212	5
3911272	4
4010931	2
4010943	0
4010951	5
4010955	7
4010968	4
4010975	6
4010983	7
4011014	4
4011027	4
4011032	3
4011034	4
4011047	8
4011052	5
4011054	2
4011064	0
4011066	2
4011072	5
4011084	5
4011086	5
4011111	5
4011115	5
4011151	4
4011123	5



<b>Hex_ID</b>	<b>Species Richness</b>
4011131	8
4011135	0
4011143m	10
4011155	6
4011171	4
4011183	7
4011212	3
4011232	3
4011248	2
4111115	5
4111127	4
4111135	3
4111155	3
4111165	6
4111278	5
4111282	9
4111367	6
4111375	3

**Appendix 3. List of FHM plots and their species richness in Nevada, 1999.**

<b>Hex ID</b>	<b>Species Richness</b>
3611562	6
3711433	1
3711446	5
3711453	5
3611526	5
3711554	2
3711745	0
3811421	0
3811426	4
3811433	0
3811438	2
3811446	3
3811458	5
3811466	1
3811473	6
3811481	4
3811486	6
3811526	2
3811534	1
3811554	4
3811637	1
3811655	3
3811663	1
3811683	3
3811741	4
3811754	0
3811826	1
3811846	2
3811862	3
3811951	2
3811953	1
3811965	2
3911414	3
3911426	5
3911438	2
3911458	3
3911461	2
3911466	3
3911486	4
3911514	5
3911527	2
3911534	2
3911582	5
3911617	2

3911918	2
3911938	1
3911958	1
3911978	6
4011414	0
4011438	2
4011954	2
4111414	4
4111452	4
4011515	1
4011522	2
4011545	3
4111573	3
4111662	3
4111834	1
4111975	6
4111988	5

**Appendix 4. List of species by plot in 210 QA, On-Frame and Off-Frame plots in Utah and Nevada, 1999.** Note that 7 plots are listed both in QA and on-frame sections, thus creating an artificially high total plot number of 217.

\*\*\*\*\* Output from program SUMMARY \*\*\*\*\*

PC-ORD, Version 4.01

5 Dec 2000, 20:44

Compact format data file:

D:\FHM\1999 FHM data archive\Raw-Products\UT-NV\UT-NV99-no0.01.txt

Species file:

D:\FHM\MISC\epiphyte.spp

Matrix size: 217 plots (rows)  
44 species (columns)

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Group: COLD CHECK  
Sample unit: 3711184Z

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
2.00	8203	Xanthoria fallax	Xanfal
2.00	4017	Melanelia subolivacea	Melsol
3.00	5723	Physcia stellaris	Physte
1.00	8214	Xanthoria montana	Xanmon
1.00	9000	Xanthoparmelia	Xpm

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Group: COLD CHECK  
Sample unit: 3711184h

Value	Code	Species	Code Name
3.00	2704	Flavopunctelia soledica	Fpusor
3.00	5710	Physcia dimidiata	Phydim

---

Group: COLD CHECK  
Sample unit: 3810952Z

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
3.00	4016	Melanelia subelegantula	Melsel
3.00	5605	Phaeophyscia hirsuta	Phahir
3.00	5701	Physcia adscendens	Phyads
3.00	4002	Melanelia elegantula	Melele
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	5710	Physcia dimidiata	Phydim
1.00	8000	Usnea	Usn
3.00	5723	Physcia stellaris	Physte

---

Group: COLD CHECK  
Sample unit: 38109521

Value	Code	Species	Code Name
4.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz

---

Group: COLD CHECK  
Sample unit: 3811176Z

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
3.00	5701	Physcia adscendens	Phyads
1.00	8214	Xanthoria montana	Xanmon
3.00	5801	Physciella chloantha	Pclchl

---

Group: COLD CHECK  
Sample unit: 3811176j

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
2.00	5701	Physcia adscendens	Phyads
2.00	5711	Physcia dubia	Phydub

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Group: HOT CHECK  
Sample unit: 3711252W

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
2.00	8203	Xanthoria fallax	Xanfal
1.00	5710	Physcia dimidiata	Phydim
3.00	5705	Physcia biziana	Phybiz
2.00	5701	Physcia adscendens	Phyads

---

Group: HOT CHECK  
Sample unit: 3711252k

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol
3.00	8203	Xanthoria fallax	Xanfal

---

Group: HOT CHECK  
Sample unit: 3711252h

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz

3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5723	Physcia stellaris	Physte
3.00	5710	Physcia dimidiata	Phydim
3.00	8203	Xanthoria fallax	Xanfal
2.00	5701	Physcia adscendens	Phyads
3.00	8215	Xanthoria oregana	Xanore
3.00	5801	Physciella chloantha	Pclchl
3.00	5803	Physciella nepalensis	Pclnep

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Group: HOT CHECK  
Sample unit: 3810934W

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
2.00	8203	Xanthoria fallax	Xanfal
3.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol
3.00	5803	Physciella nepalensis	Pclnep
3.00	5801	Physciella chloantha	Pclchl
3.00	5710	Physcia dimidiata	Phydim

---

Group: HOT CHECK  
Sample unit: 3810934I

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
2.00	4017	Melanelia subolivacea	Melsol
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
1.00	5803	Physciella nepalensis	Pclnep

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Group: HOT CHECK  
Sample unit: 3810934I

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
2.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
2.00	5803	Physciella nepalensis	Pclnep
3.00	5611	Phaeophyscia nigricans	Phanig

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Group: HOT CHECK  
Sample unit: 3911087W

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
1.00	5724	Physcia tenella	Phyten
3.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
3.00	5701	Physcia adscendens	Phyads
3.00	8210	Xanthoria fulva	Xanful
3.00	5801	Physciella chloantha	Pclchl
3.00	8215	Xanthoria oregana	Xanore

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Group: HOT CHECK  
Sample unit: 3911087j

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
2.00	5705	Physcia biziana	Phybiz
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol

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Group: HOT CHECK  
Sample unit: 4011143W

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
1.00	8210	Xanthoria fulva	Xanful
3.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
3.00	5701	Physcia adscendens	Phyads
2.00	4002	Melanelia elegantula	Melele

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Group: HOT CHECK  
Sample unit: 4011143m

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
3.00	5701	Physcia adscendens	Phyads
3.00	5705	Physcia biziana	Phybiz
3.00	5723	Physcia stellaris	Physte
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
2.00	5710	Physcia dimidiata	Phydim
2.00	1217	Cladonia fimbriata	Clafim

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Group: OFF FRAME  
Sample unit: UTAH99

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
2.00	5701	Physcia adscendens	Phyads
3.00	4016	Melanelia subelegantula	Melsel
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
2.00	8214	Xanthoria montana	Xanmon
1.00	610	Bryoria fuscescens	Bryfus

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Group: UT HEX  
Sample unit: 3710947

Value	Code	Species	Code Name
2.00	8203	Xanthoria fallax	Xanfal
2.00	5710	Physcia dimidiata	Phydim
3.00	5801	Physciella chloantha	Pclchl
Group: UT HEX Sample unit: 3710955			
Value	Code	Species	Code Name
2.00	5710	Physcia dimidiata	Phydim
Group: UT HEX Sample unit: 3710962			
Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
2.00	5710	Physcia dimidiata	Phydim
Group: UT HEX Sample unit: 3710967			
Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
2.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol
3.00	5701	Physcia adscendens	Phyads
Group: UT HEX Sample unit: 3710974			
Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	5723	Physcia stellaris	Physte
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol
2.00	4004	Melanelia exasperatula	Melexl
Group: UT HEX Sample unit: 3710987			
Value	Code	Species	Code Name
2.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
4.00	4017	Melanelia subolivacea	Melsol
3.00	8077	Usnea substerilis	Usnsst
3.00	8041	Usnea hirta	Usnhir
Group: UT HEX Sample unit: 3711015			
Value	Code	Species	Code Name



1.00	4017	Melanelia subolivacea	Melsol
1.00	8214	Xanthoria montana	Xanmon
2.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3711043

Value	Code	Species	Code Name
2.00	8214	Xanthoria montana	Xanmon
4.00	4017	Melanelia subolivacea	Melsol
2.00	5710	Physcia dimidiata	Phydim

---

Group: UT HEX  
Sample unit: 3711051

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
4.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3711071

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
1.00	8214	Xanthoria montana	Xanmon
2.00	5710	Physcia dimidiata	Phydim

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Sample unit: 3711075

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 3711087

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
2.00	5701	Physcia adscendens	Phyads
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711132

Value	Code	Species	Code Name
2.00	5710	Physcia dimidiata	Phydim

---

Group: UT HEX

Sample unit: 3711136

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	4004	Melanelia exasperatula	Melexl
3.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711144

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711152

Value	Code	Species	Code Name
2.00	8203	Xanthoria fallax	Xanfal
2.00	5605	Phaeophyscia hirsuta	Phahir

---

Group: UT HEX  
Sample unit: 3711156

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
3.00	8041	Usnea hirta	Usnhir
3.00	4017	Melanelia subolivacea	Melsol
3.00	8203	Xanthoria fallax	Xanfal
3.00	5701	Physcia adscendens	Phyads
3.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 3711164

Value	Code	Species	Code Name
3.00	5605	Phaeophyscia hirsuta	Phahir
3.00	5710	Physcia dimidiata	Phydim
3.00	8203	Xanthoria fallax	Xanfal

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Group: UT HEX  
Sample unit: 3711168

Value	Code	Species	Code Name
3.00	5723	Physcia stellaris	Physte
3.00	5705	Physcia biziana	Phybiz
4.00	8214	Xanthoria montana	Xanmon
3.00	8077	Usnea substerilis	Usnsst
3.00	5701	Physcia adscendens	Phyads
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

3.00 4004 Melanelia exasperatula Melexl

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Group: UT HEX  
Sample unit: 3711171

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol
3.00	8203	Xanthoria fallax	Xanfal
3.00	5801	Physciella chloantha	Pclchl

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Group: UT HEX  
Sample unit: 3711176

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711184h

Value	Code	Species	Code Name
3.00	2704	Flavopunctelia soledica	Fpusor
3.00	5710	Physcia dimidiata	Phydim

---

Group: UT HEX  
Sample unit: 3711188

Value	Code	Species	Code Name
3.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol
3.00	8215	Xanthoria oregana	Xanore
3.00	4002	Melanelia elegantula	Melele

---

Group: UT HEX  
Sample unit: 3711212

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol
4.00	8203	Xanthoria fallax	Xanfal
3.00	5605	Phaeophyscia hirsuta	Phahir

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Group: UT HEX  
Sample unit: 3711224

Value	Code	Species	Code Name
2.00	5605	Phaeophyscia hirsuta	Phahir
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

3.00	8203	Xanthoria fallax	Xanfal
3.00	5710	Physcia dimidiata	Phydim

---

Group: UT HEX  
Sample unit: 3711232

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon

---

Group: UT HEX  
Sample unit: 3711236

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	5903	Physconia enteroxantha	Phoent
3.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3711244

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
4.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	4002	Melanelia elegantula	Melele
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711252h

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5723	Physcia stellaris	Physte
3.00	5710	Physcia dimidiata	Phydim
3.00	8203	Xanthoria fallax	Xanfal
2.00	5701	Physcia adscendens	Phyads
3.00	8215	Xanthoria oregana	Xanore
3.00	5801	Physciella chloantha	Pclchl
3.00	5803	Physciella nepalensis	Pclnep

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Group: UT HEX  
Sample unit: 3711272

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	4002	Melanelia elegantula	Melele

4.00 8214 Xanthoria montana Xanmon

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Sample unit: 3711276

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 3711321

Value	Code	Species	Code Name
2.00	5701	Physcia adscendens	Phyads
2.00	8200	Xanthoria	Xan

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Group: UT HEX  
Sample unit: 3711333

Value	Code	Species	Code Name
2.00	101	Ahtiana sphaerosporella	Ahtsph
2.00	5710	Physcia dimidiata	Phydim
3.00	4016	Melanelia subelegantula	Melsel
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 3711337

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3711341

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8203	Xanthoria fallax	Xanfal
3.00	5611	Phaeophyscia nigricans	Phanig
3.00	5701	Physcia adscendens	Phyads
3.00	5724	Physcia tenella	Phyten
4.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3711345

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3711353

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3711357

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	8203	Xanthoria fallax	Xanfal
3.00	4017	Melanelia subolivacea	Melsol
2.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3711361

Value	Code	Species	Code Name
2.00	8041	Usnea hirta	Usnhir
3.00	5710	Physcia dimidiata	Phydim
2.00	8301	Candelaria concolor	Cndcon
2.00	9004	Xanthoparmelia plittii	Xpmppl
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol
3.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads
3.00	8203	Xanthoria fallax	Xanfal
3.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 3810914

Value	Code	Species	Code Name
1.00	8203	Xanthoria fallax	Xanfal
2.00	5710	Physcia dimidiata	Phydim
1.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3810922

Value	Code	Species	Code Name
2.00	5710	Physcia dimidiata	Phydim
4.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3810934i

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
2.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
2.00	5803	Physciella nepalensis	Pclnep
3.00	5611	Phaeophyscia nigricans	Phanig

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Group: UT HEX  
Sample unit: 3810942

Value	Code	Species	Code Name
3.00	4004	Melanelia exasperatula	Melexl
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
4.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 38109521

Value	Code	Species	Code Name
4.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3810966

Value	Code	Species	Code Name
1.00	5710	Physcia dimidiata	Phydim
2.00	5801	Physciella chloantha	Pclchl

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Group: UT HEX  
Sample unit: 3810974

Value	Code	Species	Code Name
4.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3811027

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
2.00	5710	Physcia dimidiata	Phydim

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Sample unit: 3811043

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 3811067

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	8214	Xanthoria montana	Xanmon
1.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 3811075

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon

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Group: UT HEX  
Sample unit: 3811111

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon

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Group: UT HEX  
Sample unit: 3811116

Value	Code	Species	Code Name
3.00	4016	Melanelia subelegantula	Melsel
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
3.00	4004	Melanelia exasperatula	Melexl
2.00	202	Alectoria imshaugii	Aleims

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Group: UT HEX  
Sample unit: 3811124

Value	Code	Species	Code Name
2.00	8041	Usnea hirta	Usnhir
3.00	4017	Melanelia subolivacea	Melsol
4.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
4.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads

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Group: UT HEX  
Sample unit: 3811128

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	4002	Melanelia elegantula	Melele
3.00	8203	Xanthoria fallax	Xanfal
3.00	5701	Physcia adscendens	Phyads



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Group: UT HEX  
Sample unit: 3811156

Value	Code	Species	Code Name
1.00	8000	Usnea	Usn
3.00	5710	Physcia dimidiata	Phydim
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
4.00	4002	Melanelia elegantula	Melele
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal

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Group: UT HEX  
Sample unit: 3811176j

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
2.00	5701	Physcia adscendens	Phyads
2.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 3811183

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol
3.00	4002	Melanelia elegantula	Melele
3.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 3811212

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
4.00	8215	Xanthoria oregana	Xanore
4.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim
2.00	5701	Physcia adscendens	Phyads
3.00	4004	Melanelia exasperatula	Melexl
3.00	4002	Melanelia elegantula	Melele

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Group: UT HEX  
Sample unit: 3811224

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon

3.00	4017	Melanelia subolivacea	Melsol
3.00	5701	Physcia adscendens	Phyads

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Sample unit: 3811244

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 3811264

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
2.00	5701	Physcia adscendens	Phyads
3.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3811272

Value	Code	Species	Code Name
2.00	5723	Physcia stellaris	Physte
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	8210	Xanthoria fulva	Xanful
3.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3811317

Value	Code	Species	Code Name
2.00	5710	Physcia dimidiata	Phydim

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Sample unit: 3811325

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 3811337

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	5605	Phaeophyscia hirsuta	Phahir

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Group: UT HEX  
Sample unit: 3811345

Value	Code	Species	Code Name
2.00	8200	Xanthoria	Xan
Group: UT HEX Sample unit: 3811353			
Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
3.00	5801	Physciella chloantha	Pclchl
Group: UT HEX Sample unit: 3811377			
Value	Code	Species	Code Name
4.00	8214	Xanthoria montana	Xanmon
Group: UT HEX Sample unit: 3910918			
Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	5611	Phaeophyscia nigricans	Phanig
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
Group: UT HEX Sample unit: 3910924			
Value	Code	Species	Code Name
3.00	5607	Phaeophyscia hispidula	Phahis
2.00	8041	Usnea hirta	Usnhir
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	5605	Phaeophyscia hirsuta	Phahir
2.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele
Group: UT HEX Sample unit: 3910926			
Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol
3.00	8203	Xanthoria fallax	Xanfal
Group: UT HEX Sample unit: 3910932			

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3910938

Value	Code	Species	Code Name
1.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
2.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3910946

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3910951

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
1.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele
2.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3910956

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
2.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim
2.00	8214	Xanthoria montana	Xanmon

---

Group: UT HEX  
Sample unit: 3910958

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3910964

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
3.00	5705	Physcia biziana	Phybiz
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon

---

Group: UT HEX  
Sample unit: 3911022

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	8203	Xanthoria fallax	Xanfal
3.00	5605	Phaeophyscia hirsuta	Phahir
4.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	5701	Physcia adscendens	Phyads
2.00	4002	Melanelia elegantula	Melele
4.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 3911035

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
2.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3911042

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3911062

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
2.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele
2.00	4016	Melanelia subelegantula	Melsel
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3911067

Value	Code	Species	Code Name
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3.00	4017	Melanelia subolivacea	Melsol
2.00	4002	Melanelia elegantula	Melele

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Group: UT HEX  
Sample unit: 3911074

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5705	Physcia biziana	Phybiz
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 3911082

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	4004	Melanelia exasperatula	Melexl
3.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim
3.00	5611	Phaeophyscia nigricans	Phanig
3.00	4002	Melanelia elegantula	Melele
3.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 3911087j

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
2.00	5705	Physcia biziana	Phybiz
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3911115

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
3.00	5701	Physcia adscendens	Phyads
3.00	8210	Xanthoria fulva	Xanful
2.00	5705	Physcia biziana	Phybiz
2.00	4002	Melanelia elegantula	Melele
2.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3911123

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol

3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	4002	Melanelia elegantula	Melele

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Group: UT HEX  
Sample unit: 3911131

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	5605	Phaeophyscia hirsuta	Phahir
3.00	8214	Xanthoria montana	Xanmon
1.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 3911143

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	4004	Melanelia exasperatula	Melexl
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
3.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon

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Group: UT HEX  
Sample unit: 3911148

Value	Code	Species	Code Name
4.00	4016	Melanelia subelegantula	Melsel
2.00	5701	Physcia adscendens	Phyads
4.00	4017	Melanelia subolivacea	Melsol
3.00	4002	Melanelia elegantula	Melele
2.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
4.00	8215	Xanthoria oregana	Xanore

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Group: UT HEX  
Sample unit: 3911151

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful

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Group: UT HEX  
Sample unit: 3911163

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore

3.00 5701 *Physcia adscendens* Phyads

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Group: UT HEX  
Sample unit: 3911171

Value	Code	Species	Code Name
2.00	5701	<i>Physcia adscendens</i>	Phyads
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	8214	<i>Xanthoria montana</i>	Xanmon

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Group: UT HEX  
Sample unit: 3911175

Value	Code	Species	Code Name
3.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	4017	<i>Melanelia subolivacea</i>	Melsol
3.00	5701	<i>Physcia adscendens</i>	Phyads
3.00	8210	<i>Xanthoria fulva</i>	Xanful
3.00	4002	<i>Melanelia elegantula</i>	Melele
2.00	5705	<i>Physcia biziana</i>	Phybiz
3.00	5723	<i>Physcia stellaris</i>	Physte
3.00	8301	<i>Candelaria concolor</i>	Cndcon

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Group: UT HEX  
Sample unit: 3911183

Value	Code	Species	Code Name
3.00	4017	<i>Melanelia subolivacea</i>	Melsol
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	4002	<i>Melanelia elegantula</i>	Melele
3.00	5701	<i>Physcia adscendens</i>	Phyads
3.00	8214	<i>Xanthoria montana</i>	Xanmon

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Group: UT HEX  
Sample unit: 3911212

Value	Code	Species	Code Name
1.00	5710	<i>Physcia dimidiata</i>	Phydim
3.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	8215	<i>Xanthoria oregana</i>	Xanore
1.00	5701	<i>Physcia adscendens</i>	Phyads
1.00	5711	<i>Physcia dubia</i>	Phydub

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Group: UT HEX  
Sample unit: 3911272

Value	Code	Species	Code Name
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	8210	<i>Xanthoria fulva</i>	Xanful
3.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	5801	<i>Physciella chloantha</i>	Pclchl



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Group: UT HEX  
Sample unit: 4010931

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim

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Sample unit: 4010943

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 4010951

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	4017	Melanelia subolivacea	Melsol
3.00	4002	Melanelia elegantula	Melele
3.00	5710	Physcia dimidiata	Phydim
3.00	5705	Physcia biziana	Phybiz

---

Group: UT HEX  
Sample unit: 4010955

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
3.00	5701	Physcia adscendens	Phyads
3.00	5710	Physcia dimidiata	Phydim
3.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 4010968

Value	Code	Species	Code Name
3.00	4004	Melanelia exasperatula	Melexl
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
1.00	9000	Xanthoparmelia	Xpm

---

Group: UT HEX  
Sample unit: 4010975

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol

3.00 5711 *Physcia dubia* Phydub

---

Group: UT HEX  
Sample unit: 4010983

Value	Code	Species	Code Name
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	5611	<i>Phaeophyscia nigricans</i>	Phanig
3.00	4002	<i>Melanelia elegantula</i>	Melele
3.00	5701	<i>Physcia adscendens</i>	Phyads
3.00	5710	<i>Physcia dimidiata</i>	Phydim
3.00	5801	<i>Physciella chloantha</i>	Pclchl

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Group: UT HEX  
Sample unit: 4011014

Value	Code	Species	Code Name
3.00	4016	<i>Melanelia subelegantula</i>	Melsel
3.00	4002	<i>Melanelia elegantula</i>	Melele
3.00	5710	<i>Physcia dimidiata</i>	Phydim
3.00	8214	<i>Xanthoria montana</i>	Xanmon

---

Group: UT HEX  
Sample unit: 4011027

Value	Code	Species	Code Name
1.00	8041	<i>Usnea hirta</i>	Usnhir
2.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	4002	<i>Melanelia elegantula</i>	Melele
3.00	5705	<i>Physcia biziana</i>	Phybiz

---

Group: UT HEX  
Sample unit: 4011032

Value	Code	Species	Code Name
3.00	8214	<i>Xanthoria montana</i>	Xanmon
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	8210	<i>Xanthoria fulva</i>	Xanful

---

Group: UT HEX  
Sample unit: 4011034

Value	Code	Species	Code Name
3.00	5710	<i>Physcia dimidiata</i>	Phydim
3.00	4017	<i>Melanelia subolivacea</i>	Melsol
3.00	8215	<i>Xanthoria oregana</i>	Xanore
3.00	8214	<i>Xanthoria montana</i>	Xanmon

---

Group: UT HEX  
Sample unit: 4011047

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	5705	Physcia biziana	Phybiz
3.00	4002	Melanelia elegantula	Melele
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
1.00	5710	Physcia dimidiata	Phydim
3.00	8203	Xanthoria fallax	Xanfal
3.00	5801	Physciella chloantha	Pclchl

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Group: UT HEX  
Sample unit: 4011052

Value	Code	Species	Code Name
3.00	8044	Usnea lapponica	Usnlap
3.00	4004	Melanelia exasperatula	Melexl
3.00	4002	Melanelia elegantula	Melele
3.00	8214	Xanthoria montana	Xanmon
3.00	5201	Parmeliopsis ambigua	Popamb

---

Group: UT HEX  
Sample unit: 4011054

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon

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Sample unit: 4011064

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 4011066

Value	Code	Species	Code Name
3.00	5202	Parmeliopsis hyperopta	Pophyp
3.00	4004	Melanelia exasperatula	Melexl

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Group: UT HEX  
Sample unit: 4011072

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
3.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon

---

Group: UT HEX  
Sample unit: 4011084

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
3.00	8210	Xanthoria fulva	Xanful
3.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 4011086

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	5701	Physcia adscendens	Phyads
3.00	4002	Melanelia elegantula	Melele
3.00	8210	Xanthoria fulva	Xanful
3.00	4016	Melanelia subelegantula	Melsel

---

Group: UT HEX  
Sample unit: 4011111

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
3.00	5705	Physcia biziana	Phybiz
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol

---

Group: UT HEX  
Sample unit: 4011115

Value	Code	Species	Code Name
2.00	5705	Physcia biziana	Phybiz
3.00	5710	Physcia dimidiata	Phydim
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
3.00	4002	Melanelia elegantula	Melele

---

Group: UT HEX  
Sample unit: 4011151

Value	Code	Species	Code Name
3.00	4004	Melanelia exasperatula	Melexl
3.00	8215	Xanthoria oregana	Xanore
3.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads

---

Group: UT HEX  
Sample unit: 4011123

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore

3.00	4017	Melanelia subolivacea	Melsol
3.00	8210	Xanthoria fulva	Xanful
3.00	5701	Physcia adscendens	Phyads

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Group: UT HEX  
Sample unit: 4011131

Value	Code	Species	Code Name
1.00	600	Bryoria	Bry
1.00	8041	Usnea hirta	Usnhir
3.00	4016	Melanelia subelegantula	Melsel
3.00	8214	Xanthoria montana	Xanmon
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
3.00	5701	Physcia adscendens	Phyads
1.00	3701	Letharia columbiana	Letcol

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Sample unit: 4011135

No species encountered in this sample unit.

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Group: UT HEX  
Sample unit: 4011143m

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
3.00	5701	Physcia adscendens	Phyads
3.00	5705	Physcia biziana	Phybiz
3.00	5723	Physcia stellaris	Physte
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
2.00	5710	Physcia dimidiata	Phydim
2.00	1217	Cladonia fimbriata	Clafim

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Group: UT HEX  
Sample unit: 4011155

Value	Code	Species	Code Name
3.00	5701	Physcia adscendens	Phyads
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful

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Group: UT HEX  
Sample unit: 4011171

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

3.00	8215	Xanthoria oregana	Xanore
3.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 4011183

Value	Code	Species	Code Name
3.00	5701	Physcia adscendens	Phyads
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	4002	Melanelia elegantula	Melele
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 4011212

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 4011232

Value	Code	Species	Code Name
4.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
2.00	5705	Physcia biziana	Phybiz

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Group: UT HEX  
Sample unit: 4011248

Value	Code	Species	Code Name
3.00	5611	Phaeophyscia nigricans	Phanig
2.00	8215	Xanthoria oregana	Xanore

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Group: UT HEX  
Sample unit: 4111115

Value	Code	Species	Code Name
2.00	5701	Physcia adscendens	Phyads
4.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
3.00	4017	Melanelia subolivacea	Melsol
2.00	5801	Physciella chloantha	Pclchl

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Group: UT HEX  
Sample unit: 4111127

Value	Code	Species	Code Name
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3.00	4017	Melanelia subolivacea	Melsol
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
2.00	5711	Physcia dubia	Phydub

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Group: UT HEX  
Sample unit: 4111135

Value	Code	Species	Code Name
1.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful

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Group: UT HEX  
Sample unit: 4111155

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
1.00	8214	Xanthoria montana	Xanmon
4.00	4017	Melanelia subolivacea	Melsol

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Group: UT HEX  
Sample unit: 4111165

Value	Code	Species	Code Name
4.00	4002	Melanelia elegantula	Melele
3.00	5701	Physcia adscendens	Phyads
3.00	4017	Melanelia subolivacea	Melsol
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful

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Group: UT HEX  
Sample unit: 4111278

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
3.00	5605	Phaeophyscia hirsuta	Phahir
3.00	5710	Physcia dimidiata	Phydim

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Group: UT HEX  
Sample unit: 4111282

Value	Code	Species	Code Name
4.00	8215	Xanthoria oregana	Xanore
1.00	8000	Usnea	Usn
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	8301	Candelaria concolor	Cndcon
4.00	4002	Melanelia elegantula	Melele

3.00	4017	Melanelia subolivacea	Melsol
3.00	5701	Physcia adscendens	Phyads
2.00	3702	Letharia vulpina	Letvul

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Group: UT HEX  
Sample unit: 4111367

Value	Code	Species	Code Name
3.00	8301	Candelaria concolor	Cndcon
3.00	8210	Xanthoria fulva	Xanful
3.00	5600	Phaeophyscia	Pha
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele

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Group: UT HEX  
Sample unit: 4111375

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
3.00	8215	Xanthoria oregana	Xanore
1.00	5701	Physcia adscendens	Phyads

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Group: NV HEX  
Sample unit: 3611562

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	5723	Physcia stellaris	Physte
3.00	8214	Xanthoria montana	Xanmon
3.00	8203	Xanthoria fallax	Xanfal
3.00	4002	Melanelia elegantula	Melele
3.00	4017	Melanelia subolivacea	Melsol

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Group: NV HEX  
Sample unit: 3711433

Value	Code	Species	Code Name
1.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 3711446

Value	Code	Species	Code Name
3.00	8203	Xanthoria fallax	Xanfal
3.00	5710	Physcia dimidiata	Phydim
3.00	5600	Phaeophyscia	Pha
3.00	4017	Melanelia subolivacea	Melsol
3.00	9000	Xanthoparmelia	Xpm

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Group: NV HEX  
Sample unit: 3711453



Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
1.00	5705	Physcia biziana	Phybiz
3.00	8215	Xanthoria oregana	Xanore
3.00	8203	Xanthoria fallax	Xanfal
3.00	4017	Melanelia subolivacea	Melsol

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Group: NV HEX  
Sample unit: 3611526

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	5705	Physcia biziana	Phybiz
3.00	4017	Melanelia subolivacea	Melsol
3.00	4002	Melanelia elegantula	Melele
3.00	8214	Xanthoria montana	Xanmon

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Group: NV HEX  
Sample unit: 3711554

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
2.00	5801	Physciella chloantha	Pclchl

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Sample unit: 3711745

No species encountered in this sample unit.

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Sample unit: 3811421

No species encountered in this sample unit.

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Group: NV HEX  
Sample unit: 3811426

Value	Code	Species	Code Name
3.00	4017	Melanelia subolivacea	Melsol
1.00	5701	Physcia adscendens	Phyads
3.00	8214	Xanthoria montana	Xanmon
3.00	8215	Xanthoria oregana	Xanore

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Sample unit: 3811433

No species encountered in this sample unit.

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Group: NV HEX  
Sample unit: 3811438

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon

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Group: NV HEX  
Sample unit: 3811446

Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
2.00	5710	Physcia dimidiata	Phydim
3.00	8210	Xanthoria fulva	Xanful

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Group: NV HEX  
Sample unit: 3811458

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	5724	Physcia tenella	Phyten
3.00	5906	Physconia perisidiosa	Phoper
3.00	5710	Physcia dimidiata	Phydim
3.00	4016	Melanelia subelegantula	Melsel

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Group: NV HEX  
Sample unit: 3811466

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore

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Group: NV HEX  
Sample unit: 3811473

Value	Code	Species	Code Name
3.00	5705	Physcia biziana	Phybiz
3.00	4002	Melanelia elegantula	Melele
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
3.00	5710	Physcia dimidiata	Phydim
3.00	5701	Physcia adscendens	Phyads

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Group: NV HEX  
Sample unit: 3811481

Value	Code	Species	Code Name
2.00	4017	Melanelia subolivacea	Melsol
3.00	8210	Xanthoria fulva	Xanful
3.00	8214	Xanthoria montana	Xanmon
1.00	5710	Physcia dimidiata	Phydim

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Group: NV HEX  
Sample unit: 3811486

Value	Code	Species	Code Name
4.00	4017	Melanelia subolivacea	Melsol
3.00	8210	Xanthoria fulva	Xanful
3.00	8215	Xanthoria oregana	Xanore
1.00	3702	Letharia vulpina	Letvul
4.00	4016	Melanelia subelegantula	Melsel
4.00	4002	Melanelia elegantula	Melele
Group: NV HEX Sample unit: 3811526			
Value	Code	Species	Code Name
1.00	5710	Physcia dimidiata	Phydim
3.00	8210	Xanthoria fulva	Xanful
Group: NV HEX Sample unit: 3811534			
Value	Code	Species	Code Name
3.00	8214	Xanthoria montana	Xanmon
Group: NV HEX Sample unit: 3811554			
Value	Code	Species	Code Name
2.00	4002	Melanelia elegantula	Melele
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
1.00	8210	Xanthoria fulva	Xanful
Group: NV HEX Sample unit: 3811637			
Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
Group: NV HEX Sample unit: 3811655			
Value	Code	Species	Code Name
4.00	4004	Melanelia exasperatula	Melexl
3.00	3702	Letharia vulpina	Letvul
3.00	3701	Letharia columbiana	Letcol
Group: NV HEX Sample unit: 3811663			
Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 3811683

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 3811741

Value	Code	Species	Code Name
1.00	5710	Physcia dimidiata	Phydim
4.00	4002	Melanelia elegantula	Melele
2.00	8215	Xanthoria oregana	Xanore
3.00	5600	Phaeophyscia	Pha

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Sample unit: 3811754

No species encountered in this sample unit.

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Group: NV HEX  
Sample unit: 3811826

Value	Code	Species	Code Name
1.00	3701	Letharia columbiana	Letcol

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Group: NV HEX  
Sample unit: 3811846

Value	Code	Species	Code Name
1.00	3701	Letharia columbiana	Letcol
1.00	8215	Xanthoria oregana	Xanore

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Group: NV HEX  
Sample unit: 3811862

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	5710	Physcia dimidiata	Phydim
3.00	5611	Phaeophyscia nigricans	Phanig

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Group: NV HEX  
Sample unit: 3811951

Value	Code	Species	Code Name
3.00	3702	Letharia vulpina	Letvul
3.00	3701	Letharia columbiana	Letcol

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Group: NV HEX  
Sample unit: 3811953

Value	Code	Species	Code Name
2.00	3702	Letharia vulpina	Letvul

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Group: NV HEX  
Sample unit: 3811965

Value	Code	Species	Code Name
3.00	3702	Letharia vulpina	Letvul
2.00	5711	Physcia dubia	Phydub

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Group: NV HEX  
Sample unit: 3911414

Value	Code	Species	Code Name
2.00	8210	Xanthoria fulva	Xanful
2.00	8215	Xanthoria oregana	Xanore
3.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 3911426

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	5710	Physcia dimidiata	Phydim
3.00	8210	Xanthoria fulva	Xanful
3.00	4002	Melanelia elegantula	Melele
3.00	4016	Melanelia subelegantula	Melsel

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Group: NV HEX  
Sample unit: 3911438

Value	Code	Species	Code Name
2.00	4002	Melanelia elegantula	Melele
2.00	5710	Physcia dimidiata	Phydim

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Group: NV HEX  
Sample unit: 3911458

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	5710	Physcia dimidiata	Phydim
3.00	5915	Physconia thomsonii	Photho

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Group: NV HEX  
Sample unit: 3911461

Value	Code	Species	Code Name
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3.00	8210	Xanthoria fulva	Xanful
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 3911466

Value	Code	Species	Code Name
2.00	8215	Xanthoria oregana	Xanore
2.00	3701	Letharia columbiana	Letcol
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 3911486

Value	Code	Species	Code Name
1.00	5700	Physcia	Phy
1.00	3702	Letharia vulpina	Letvul
2.00	4002	Melanelia elegantula	Melele
3.00	8215	Xanthoria oregana	Xanore

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Group: NV HEX  
Sample unit: 3911514

Value	Code	Species	Code Name
1.00	8301	Candelaria concolor	Cndcon
4.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon
2.00	4002	Melanelia elegantula	Melele
2.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 3911527

Value	Code	Species	Code Name
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon

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Group: NV HEX  
Sample unit: 3911534

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8214	Xanthoria montana	Xanmon

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Group: NV HEX  
Sample unit: 3911582

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	8301	Candelaria concolor	Cndcon

3.00	4016	Melanelia subelegantula	Melsel
3.00	8214	Xanthoria montana	Xanmon
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 3911617

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	5710	Physcia dimidiata	Phydim

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Group: NV HEX  
Sample unit: 3911918

Value	Code	Species	Code Name
3.00	3702	Letharia vulpina	Letvul
3.00	3701	Letharia columbiana	Letcol

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Group: NV HEX  
Sample unit: 3911938

Value	Code	Species	Code Name
3.00	3701	Letharia columbiana	Letcol

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Group: NV HEX  
Sample unit: 3911958

Value	Code	Species	Code Name
3.00	3701	Letharia columbiana	Letcol

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Group: NV HEX  
Sample unit: 3911978

Value	Code	Species	Code Name
2.00	8201	Xanthoria candelaria	Xancan
3.00	3701	Letharia columbiana	Letcol
3.00	3702	Letharia vulpina	Letvul
3.00	5710	Physcia dimidiata	Phydim
3.00	4002	Melanelia elegantula	Melele
3.00	8301	Candelaria concolor	Cndcon

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Sample unit: 4011414

No species encountered in this sample unit.

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Group: NV HEX  
Sample unit: 4011438

Value	Code	Species	Code Name
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2.00	8214	Xanthoria montana	Xanmon
2.00	4017	Melanelia subolivacea	Melsol

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Group: NV HEX  
Sample unit: 4011954

Value	Code	Species	Code Name
3.00	5605	Phaeophyscia hirsuta	Phahir
2.00	8203	Xanthoria fallax	Xanfal

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Group: NV HEX  
Sample unit: 4111414

Value	Code	Species	Code Name
2.00	4017	Melanelia subolivacea	Melsol
3.00	5710	Physcia dimidiata	Phydim
3.00	8214	Xanthoria montana	Xanmon
3.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 4111452

Value	Code	Species	Code Name
2.00	8301	Candelaria concolor	Cndcon
3.00	5710	Physcia dimidiata	Phydim
3.00	5724	Physcia tenella	Phyten
3.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 4011515

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX  
Sample unit: 4011522

Value	Code	Species	Code Name
2.00	8214	Xanthoria montana	Xanmon
2.00	5801	Physciella chloantha	Pclchl

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Group: NV HEX  
Sample unit: 4011545

Value	Code	Species	Code Name
2.00	8210	Xanthoria fulva	Xanful
3.00	5700	Physcia	Phy
3.00	4002	Melanelia elegantula	Melele

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Group: NV HEX



Sample unit: 4111573

Value	Code	Species	Code Name
3.00	4002	Melanelia elegantula	Melele
3.00	8202	Xanthoria elegans	Xanele
1.00	5710	Physcia dimidiata	Phydim

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Group: NV HEX  
Sample unit: 4111662

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	8210	Xanthoria fulva	Xanful
3.00	4017	Melanelia subolivacea	Melsol

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Group: NV HEX  
Sample unit: 4111834

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore

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Group: NV HEX  
Sample unit: 4111975

Value	Code	Species	Code Name
3.00	8215	Xanthoria oregana	Xanore
3.00	4002	Melanelia elegantula	Melele
3.00	8210	Xanthoria fulva	Xanful
3.00	3702	Letharia vulpina	Letvul
3.00	3701	Letharia columbiana	Letcol
3.00	4016	Melanelia subelegantula	Melsel

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Group: NV HEX  
Sample unit: 4111988

Value	Code	Species	Code Name
3.00	8210	Xanthoria fulva	Xanful
3.00	4002	Melanelia elegantula	Melele
3.00	8215	Xanthoria oregana	Xanore
1.00	5705	Physcia biziana	Phybiz
3.00	3701	Letharia columbiana	Letcol

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Total number of species occurrences in data = 855

\*\*\*\*\* End of Data Summarization \*\*\*\*\*