

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | | |
|-------|-------------------------|---|
| Birds | Acorn Woodpecker | 1 |
| | American Kestrel | 1 |
| | American Robin | 1 |
| | Anna's Hummingbird | 1 |
| | Ash-throated Flycatcher | 1 |
| | Band-tailed Pigeon | 1 |
| | Barn Owl | 1 |
| | Barn Swallow | 1 |
| | Bewick's Wren | 1 |
| | Black-headed Grosbeak | 1 |
| | Black Phoebe | 1 |
| | Blue-gray Gnatcatcher | 1 |
| | Brewer's Blackbird | 1 |
| | Brown-headed Cowbird | 1 |
| | Bullock's Oriole | 1 |
| | Bushtit | 1 |
| | California Quail | 1 |
| | California Thrasher | 1 |
| | California Towhee | 1 |
| | Canada Goose | 1 |
| | Cliff Swallow | 1 |
| | Cooper's Hawk | 1 |
| | Dark-eyed Junco | 1 |
| | European Starling | 1 |
| | Golden Eagle | 1 |
| | Great Horned Owl | 1 |
| | House Finch | 1 |
| | Hutton's Vireo | 1 |
| | Killdeer | 1 |
| | Lark Sparrow | 1 |
| | Lazuli Bunting | 1 |
| | Lesser Goldfinch | 1 |
| | Mourning Dove | 1 |
| | Northern Mockingbird | 1 |
| | N. Rough-winged Swallow | 1 |
| | Nuttall's Woodpecker | 1 |
| | Oak Titmouse | 1 |
| | Olive-sided Flycatcher | 1 |
| | Pheasant, Ring Necked | 1 |
| | Red-tailed Hawk | 1 |
| | Red-winged Blackbird | 1 |
| | Rock Pigeon | 1 |
| | Song Sparrow | 1 |
| | Savannah sparrow | 1 |
| | Say's Phoebe - Nesting | 1 |
| | Sharp-Shinned Hawk | 1 |
| | Spotted Towhee | 1 |
| | Tree Swallow | 1 |
| | Turkey Vulture | 1 |
| | Western Bluebird | 1 |
| | Western Kingbird | 1 |
| | Western Meadowlark | 1 |
| | Western Scrub-Jay | 1 |
| | Western Wood Pewee | 1 |
| | White-throated Swift | 1 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | | |
|------------|--|----|
| | White-breasted Nuthatch | 1 |
| | Wrentit | 1 |
| | Total - 57 | |
| Reptiles | Common racer | 1 |
| | Gopher Snake | 1 |
| | Kingsnake | 1 |
| | Northern Pacific Rattlesnake | 1 |
| | Southern alligator lizard | 1 |
| | Western Horned Lizard | 1 |
| | Western Fence Lizard | 1 |
| | Total - 7 | |
| Amphibians | Western Toad | 1 |
| | Pacific Tree Frog | 1 |
| | Red-legged frog | 1 |
| | Total - 3 | |
| Arthropod | Corixid | 1 |
| | Dermaptera (Earwigs) | 1 |
| | Grasshoppers | 1 |
| | Gryllidae- Gryllus sp (cricket) | 1 |
| | Jerusalem Cricket | 1 |
| | Katydid | 1 |
| | Machilidae (Jumping Bristletails) | 1 |
| | Mayfly larva | 1 |
| | Mecoptera (Scorpionflies) | 1 |
| | Notoretid | 1 |
| | Plecoptera (Stonesflies) | 1 |
| | Stenopelmatidae - Stenopelmatus fuscus (cricket) | 1 |
| | Water Strider | 1 |
| Butterfly | Acmon Blue | 1 |
| | Buckeye | 1 |
| | Cabbage Butterfly | 1 |
| | California Ringlet | 1 |
| | (chalcedon) checkerspot | 1 |
| | Lorquin's Admiral | 1 |
| | Lycaenidae Butterfly | 1 |
| | Monarch | 1 |
| | Nymphalidae Butterfly | 7 |
| | Papilionidae Butterfly | 2 |
| | Piernas Butterfly | 3 |
| | Pipevine Swallowtail | 1 |
| | Satyridae Butterfly | 1 |
| | Western Tiger Swallowtail | 1 |
| Beetles | Anobiidae Beetle | 2 |
| | Anthicidae Beetle | 1 |
| | Buprestidae Beetle | 1 |
| | Cantheridae Beetle | 5 |
| | Carabidae Beetle | 27 |
| | Cerambycidae Beetle (Synaphaeta guexi aka :Spotted Tree Borer) | 2 |
| | Chrysomelidae Beetle | 5 |
| | Coccinelidae Beetle | 3 |
| | Curculionidae Beetle | 1 |
| | Darkling beetles | 1 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | | |
|-------------|----------------------|----|
| | Dyticid Beetle | 2 |
| | Eletaridae Beetle | 6 |
| | Erotylidae Beetle | 1 |
| | Hydrophilidae Beetle | 5 |
| | Lathridiidae Beetle | 2 |
| | Leiodidae Beetle | 1 |
| | Melyridae Beetle | 4 |
| | Mordellidae Beetle | 2 |
| | Nitidulidae Beetle | 1 |
| | Phalacridae Beetle | 1 |
| | Phengodidae Beetle | 1 |
| | Ptiliidae Beetle | 2 |
| | Scarabaeidae Beetle | 5 |
| | Silphidae Beetle | 2 |
| | Staphylinidae Beetle | 9 |
| | Tenebrionidae Beetle | 7 |
| Moths | Blastobasidae Moth | 3 |
| | Crambidae Moth | 7 |
| | Gelechiidae Moth | 7 |
| | Geometridae Moth | 16 |
| | Gracillariidae Moth | 1 |
| | Lymantriidae moth | 1 |
| | Nepticulidae Moth | 1 |
| | Noctuidae Moth | 30 |
| | Notodontidae Moth | 1 |
| | Oecophoridae Moth | 2 |
| | Plutellidae Moth | 2 |
| | Pterophoridae Moth | 3 |
| | Pyralidae Moth | 6 |
| | Tineidae Moth | 2 |
| | Tortricidae Moth | 9 |
| Hymenoptera | Apoidea | 4 |
| | Bethylidae | 1 |
| | Chrysididae | 1 |
| | Pompilidae | 1 |
| | Mutillidae | 1 |
| | Formicidae | 2 |
| | Megaspilidae | 1 |
| | Ceraphronidae | 3 |
| | Cynipidae | 1 |
| | Figitidae | 2 |
| | Proctotrupidae | 1 |
| | Platygastridae | 2 |
| | Scelionidae | 7 |
| | Ichneumonidae | 10 |
| | Braconidae | 12 |
| | Chalcididae | 2 |
| | Aphelinidae | 1 |
| | Trichogrammatidae | 4 |
| | Signiphoridae | 1 |
| | Encyrtidae | 8 |
| | Eupelmidae | 3 |
| | Eurytomidae | 6 |
| | Mymaridae | 5 |
| | Torymidae | 3 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | | |
|-----------|---|----|
| | Eulophidae | 15 |
| | Pteromalidae | 15 |
| | Total - 340 | |
| Chilopoda | Tiger Centipede | 1 |
| Arachnid | Sawfinger Scorpion | 1 |
| | Western Forest Scorpion | 1 |
| | Wolf Spider | 1 |
| | Trap door spider | 1 |
| | Total - 4 | |
| Plants | Achillea millefolium, ASTERACEAE | 1 |
| | Achyrachaena mollis, ASTERACEAE | 1 |
| | Adenostoma fasciculatum, ROSACEAE | 1 |
| | Aesclepias fascicularis | 1 |
| | Aesculus californica, HIPPOCASTANACEAE | 1 |
| | Agoseris grandiflora, ASTERACEAE | 1 |
| | Aira caryophyllea | 1 |
| | Anagallis arvensis, MYRSINACEAE | 1 |
| | Adiantum jordanii | 1 |
| | Anthriscus caucalis, APIACEAE | 1 |
| | Arctostaphylos auriculata | 1 |
| | Artemisia californica, ASTERACEAE | 1 |
| | Artemisia Douglasiana, ASTERACEAE | 1 |
| | Avena fatua, POACEAE | 1 |
| | Baccharis pilularis, ASTERACEAE | 1 |
| | Bellardia trixago, SCROPHULARIACEAE | 1 |
| | Brassica nigra, BRASSICACEAE | 1 |
| | Brassica rapa | 1 |
| | Brodiaea elegans subsp. elegans, LILIACEAE | 1 |
| | Bromus diandrus, POACEAE | 1 |
| | Bromus hordeaceus, POACEAE | 1 |
| | Bromus madritensis subsp. rubens, POACEAE | 1 |
| | Calochortus argillosus, LILIACEAE | 1 |
| | Calochortus pulchellus | 1 |
| | Calochortus venustus (Mt. Zion knoll) | 1 |
| | Calystegia subacaulis subsp. subacaulis, CONVOLVULACEAE | 1 |
| | Camissonia contorta | 1 |
| | Camissonia intermedia | 1 |
| | Carduus pycnocephalus, ASTERACEAE | 1 |
| | Carduus tenuiflorus, ASTERACEAE | 1 |
| | Centaurea melitensis, ASTERACEAE | 1 |
| | Centaurea solstitialis, ASTERACEAE | 1 |
| | Centaureum davyi | 1 |
| | Chenopodium californicum, CHENOPODIACEAE | 1 |
| | Chlorogalum pomeridianum var. pomeridianum, LILIACEAE | 1 |
| | Clarkia affinis, ONAGRACEAE | 1 |
| | Clarkia unguiculata | 1 |
| | Claytonia perfoliata subsp. perfoliata, PORTULACACEAE | 1 |
| | Datura wrightii | 1 |
| | Deinandra lobbii | 1 |
| | Delphinium californicum subsp. interius, RANUNCULACEAE | 1 |
| | Delphinium hesperium subsp. Hesperium | 1 |
| | Dichelostemma congestum, LILIACEAE | 1 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | |
|---|---|
| Dittrichia graveolens, ASTERACEAE | 1 |
| Emmenanthe pendulifera var pendulifera (Mt. Zion knoll) | 1 |
| Epilobium canum subsp. canum, ONAGRACEAE | 1 |
| Epilobium ciliatum subsp. ciliatum, ONAGRACEAE | 1 |
| Erigeron foliosus var. franciscensis, ASTERACEAE | 1 |
| Eriodictyon californicum | 1 |
| Eriogonum nudum var. auriculatum, POLYGONACEAE | 1 |
| Eriogonum roseum | 1 |
| Eriophyllum lanatum var. achillaeoides | 1 |
| Eryngium aristulatum var jepsonii | 1 |
| Erodium cicutarium, GERANIACEAE | 1 |
| Eschscholzia californica, PAPAVERACEAE | 1 |
| Filago gallica, ASTERACEAE | 1 |
| Forestiera pubescens, OLEACEAE | 1 |
| Galium aparine, RUBIACEAE | 1 |
| Galium porrigens, RUBIACEAE | 1 |
| Geranium dissectum, GERANIACEAE | 1 |
| Gilia capitata subsp. Staminea | 1 |
| Grindelia sp. | 1 |
| Gutierrezia californica | 1 |
| Helianthella castanea | 1 |
| Helianthus gracilentus | 1 |
| Hesperolinum californicum | 1 |
| Heteromeles arbutifolia, ROSACEAE | 1 |
| Heterotheca grandiflora | 1 |
| Heterotheca sessiliflora subsp. Echioides | 1 |
| Holocarpha sp. | 1 |
| Hordeum marinum subsp. gussonianum, POACEAE | 1 |
| Hordeum murinum subsp. leporinum, POACEAE | 1 |
| Hypochaeris glabra, ASTERACEAE | 1 |
| Juglans californica var. hindsii, JUGLANDACEAE | 1 |
| Juncus xiphioides, JUNCACEAE | 1 |
| Lastarriaea coriacea | 1 |
| Lathyrus vestitus, FABACEAE | 1 |
| Lepidium nitidum var. nitidum, BRASSICACEAE | 1 |
| Lessingia glandulifera | 1 |
| Leymus triticoides, POACEAE | 1 |
| Lolium multiflorum, POACEAE | 1 |
| Lotus purshianus var. purshianus | 1 |
| Lotus scoparius | 1 |
| Lupinus microcarpus var. microcarpus, FABACEAE | 1 |
| Lythrum hyssopifolia, LYTHRACEAE | 1 |
| Malacothamnus hallii | 1 |
| Malva parviflora, MALVACEAE | 1 |
| Marah fabaceus, CUCURBITACEAE | 1 |
| Marrubium vulgare | 1 |
| Medicago polymorpha, FABACEAE | 1 |
| Melilotus indicus, FABACEAE | 1 |
| Mimulus aurantiacus var. aurantiacus, SCROPHULARIACEAE | 1 |
| Mimulus guttatus, SCROPHULARIACEAE | 1 |
| Monardella villosa subsp. Villosa | 1 |
| Nassella cernua | 1 |
| Nassella lepida, POACEAE | 1 |
| Nassella pulchra, POACEAE | 1 |
| Navarretia atractyloides | 1 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | |
|---|---|
| Navarretia hamata subsp. Parviloba | 1 |
| Navarretia mellita | 1 |
| Navarretia pubescens | 1 |
| Navarretia viscidula | 1 |
| Nicotiana glauca, SOLANECEAE | 1 |
| Orobanche fasciculata | 1 |
| Packera breweri | 1 |
| Parapholis incurva | 1 |
| Pectocarya penicillata | 1 |
| Pedicularis densiflora | 1 |
| Penstemon centranthifolius | 1 |
| Phalaris aquatica, POACEAE | 1 |
| Phoradendron villosum, VISCACEAE | 1 |
| Plagiobothrys tenellus | 1 |
| Pogogyne serpylloides | 1 |
| Polypogon monspeliensis, POACEAE | 1 |
| Populus fremontii | 1 |
| Prunus dulcis, ROSACEAE | 1 |
| Ptelea crenulata, RUTACEAE | 1 |
| Pterostegia drymarioides, POLYGONACEAE | 1 |
| Quercus agrifolia, FAGACEAE | 1 |
| Quercus douglasii, FAGACEAE | 1 |
| Quercus lobata, FAGACEAE | 1 |
| Rhamnus ilicifolia, RHAMNACEAE | 1 |
| Rhus trilobata | 1 |
| Rorippa nasturtium-aquaticum, BRASSICACEAE | 1 |
| Rosa californica, ROSACEAE | 1 |
| Rumex conglomeratus, POLYGONACEAE | 1 |
| Rumex crispus, POLYGONACEAE | 1 |
| Rumex pulcher, POLYGONACEAE | 1 |
| Salvia mellifera, LAMIACEAE | 1 |
| Sambucus mexicana, CAPRIFOLIACEAE | 1 |
| Sanicula crassicaulis, APIACEAE | 1 |
| Scrophularia californica subsp. californica, SCROPHULARIACEAE | 1 |
| Senecio aronicoides | 1 |
| Sherardia arvensis, RUBIACEAE | 1 |
| Silene gallica | 1 |
| Silybum marianum, ASTERACEAE | 1 |
| Sisyrinchium bellum | 1 |
| Sisymbrium officinale, BRASSICACEAE | 1 |
| Solanum umbelliferum, SOLANACEAE | 1 |
| Stachys ajugoides var. rigida, LAMIACEAE | 1 |
| Stylomecon heterophylla, PAPAVERACEAE | 1 |
| Taeniatherum caput-medusae, POACEAE | 1 |
| Thalictrum fendleri var fendleri | 1 |
| Torilis nodosa, APIACEAE | 1 |
| Toxicodendron diversilobum, ANACARDIACEAE | 1 |
| Trifolium dubium, FABACEAE | 1 |
| Trifolium fragiferum, FABACEAE | 1 |
| Trifolium hirtum, FABACEAE | 1 |
| Triteleia hyacinthina | 1 |
| Triteleia laxa, LILIACEAE | 1 |
| Umbellularia californica, LAURACEAE | 1 |
| Urtica urens, URTICACEAE | 1 |
| Verbena lasiostachys var. lasiostachys, VERBENACEAE | 1 |

Mangini-Lime Ridge BioBlitz Species List
May 16 - May 17

| | | |
|----------------|--|------------|
| | Verbena lasiostachys var. scabrida | 1 |
| | Vicia villosa subsp. villosa, FABACEAE | 1 |
| | Wyethia glabra | 1 |
| | Zigadenus fremontii | 1 |
| | Total - 159 | |
| Rodents | California Ground Squirrel | 1 |
| | Rat | 1 |
| | Total - 2 | |
| Carnivores | Coyote | 1 |
| | Total - 1 | |
| Hoofed Animals | Blacktailed deer | 1 |
| | Total - 1 | |
| | Total: | 571 |
| Addendum | Old pack rat's nest | |
| | Mountain Lion Footprint | |
| | Badger Footprint | |
| | California Meadow Mouse runway | |