

HOW TO CITE:

Van der Merwe H, Milton SJ, Dean WRJ, O'Connor TG, Henschel JR. Developing an environmental research platform in the Karoo at the Square Kilometre Array [supplementary material]. S Afr J Sci. 2021;117(11/12), Art. #10511. <https://doi.org/10.17159/sajs.2021/10511/suppl>

Supplementary table 1: Number of floral species per family found at SKA and adjacent quarter degree grids

| Angiosperms | | Non-indigenous and invasive alien families | | Bryophytes: Liverworts | | | |
|-----------------|-----|--|----|------------------------|----|----------------------------|---|
| Acanthaceae | 10 | Gisekiaceae | 2 | Amaranthaceae | 6 | Ricciaceae | 2 |
| Aizoaceae | 67 | Hyacinthaceae | 19 | Asteraceae | 3 | Bryophytes: Mosses | |
| Amaranthaceae | 35 | Iridaceae | 19 | Boraginaceae | 2 | Pottiaceae | 2 |
| Anacardiaceae | 3 | Juncaceae | 2 | Brassicaceae | 3 | Ricciaceae | 3 |
| Apiaceae | 3 | Lamiaceae | 13 | Cactaceae | 2 | Pteridophyta: Ferns | |
| Apocynaceae | 23 | Lobeliaceae | 3 | Fabaceae | 7 | Sinopteridaceae | 3 |
| Asparagaceae | 9 | Malvaceae | 32 | Malvaceae | 2 | | |
| Asphodelaceae | 12 | Menispermaceae | 2 | Onagraceae | 2 | | |
| Asteraceae | 149 | Molluginaceae | 3 | Poaceae | 10 | | |
| Bignoniaceae | 3 | Neuradaceae | 3 | Solanaceae | 4 | | |
| Boraginaceae | 6 | Nyctaginaceae | 2 | | | | |
| Brassicaceae | 15 | Oxalidaceae | 12 | | | | |
| Campanulaceae | 2 | Plumbaginaceae | 3 | | | | |
| Capparaceae | 8 | Poaceae | 79 | | | | |
| Caryophyllaceae | 4 | Polygalaceae | 6 | | | | |
| Colchicaceae | 5 | Polygonaceae | 3 | | | | |
| Convolvulaceae | 2 | Portulacaceae | 6 | | | | |
| Crassulaceae | 18 | Rubiaceae | 6 | | | | |
| Cucurbitaceae | 6 | Santalaceae | 6 | | | | |
| Cyperaceae | 11 | Scrophulariaceae | 41 | | | | |
| Ebenaceae | 3 | Solanaceae | 12 | | | | |
| Euphorbiaceae | 8 | Thymelaeaceae | 2 | | | | |
| Fabaceae | 39 | Verbenaceae | 3 | | | | |
| Geraniaceae | 10 | Zygophyllaceae | 16 | | | | |

Families with one species per family: Buddlejaceae, Celastraceae, Eriospermaceae, Gentianaceae, Lophiocarpaceae, Lorantheaceae, Meliaceae, Melianthaceae, Orchidaceae, Pedaliaceae, Phyllanthaceae, Ranunculaceae, Resedaceae, Rhamnaceae, Salicaceae, Tamaricaceae, Tecophilaeaceae, Urticaceae, Vahliaceae, Zannichelliaceae

Supplementary table 2: Number of faunal species per family found at SKA (past and present evidence) and/or adjacent quarter degree grids

| Mammals | | Birds | | Reptiles | | Amphibians | | Insects | |
|------------------|----|-------------------|----|----------------|----|------------|---|-------------|-----|
| Bovidae | 15 | Accipitridae | 5 | Agamidae | 4 | Bufo | 2 | Chelicerata | 13 |
| Canidae | 4 | Acrocephalidae | 2 | Chamaeleo | 2 | Ranidae | 5 | Insecta | 131 |
| Felidae | 6 | Alaudidae | 10 | Colubridae | 2 | | | | |
| Herpestidae | 3 | Anatidae | 6 | Cordylidae | 2 | | | | |
| Hyaenidae | 3 | Apodidae | 4 | Elapidae | 2 | | | | |
| Leporidae | 4 | Ardeidae | 3 | Gekkonidae | 11 | | | | |
| Macroscelididae | 4 | Caprimulgidae | 2 | Gerrhosauridae | 2 | | | | |
| Molossidae | 2 | Charadriidae | 4 | Lacertidae | 7 | | | | |
| Muridae | 9 | Cisticolidae | 11 | Lamprophiidae | 6 | | | | |
| Mustelidae | 2 | Columbidae | 4 | Scincidae | 9 | | | | |
| Rhinocerotidae | 2 | Corvidae | 3 | Testudinidae | 3 | | | | |
| Rhinolophidae | 3 | Emberizidae | 3 | Typhlopidae | 2 | | | | |
| Vespertilionidae | 4 | Estrildidae | 2 | Viperidae | 2 | | | | |
| Viverridae | 2 | Falconidae | 3 | | | | | | |
| | | Fringillidae | 4 | | | | | | |
| | | Hirundinidae | 4 | | | | | | |
| | | Meropidae | 2 | | | | | | |
| | | Motacillidae | 2 | | | | | | |
| | | Muscicapidae | 11 | | | | | | |
| | | Nectariniidae | 2 | | | | | | |
| | | Otididae | 4 | | | | | | |
| | | Passeridae | 2 | | | | | | |
| | | Phasianidae | 3 | | | | | | |
| | | Phoenicopteridae | 2 | | | | | | |
| | | Ploceidae | 5 | | | | | | |
| | | Rallidae | 2 | | | | | | |
| | | Recurvirostridae | 2 | | | | | | |
| | | Scolopacidae | 2 | | | | | | |
| | | Strigidae | 2 | | | | | | |
| | | Sturnidae | 3 | | | | | | |
| | | Sylviidae | 2 | | | | | | |
| | | Threskiornithidae | 2 | | | | | | |

Families with one species per family: *Bathyergidae, Cercopithecidae, Chrysochloridae, Giraffidae, Gliridae, Hystricidae, Miopterae, Nesomyidae, Nycteridae, Orycteropidae, Pedetidae, Petromuridae, Procavidae, Sciuridae, Soricidae, Alcedinidae, Burhinidae, Ciconiidae, Collidae, Glareolidae, Laniidae, Macrosphenidae, Malaconotidae, Monarchidae, Paridae, Phylloscopidae, Picidae, Platysteiridae, Pteroclididae, Pycnonotidae, Ramphastidae, Remizidae, Sagittariidae, Scopidae, Stenostiridae, Struthionidae, Turdidae, Viduidae, Zosteropidae, Varanidae, Pipidae*