Appendix 4: List of phytoplankton species recorded in Wadi El Rayan

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| **Number** | **species** |
| **Chlorophyceae** |
| 1 | *Ankistrodesmus falcatus v. acicularis* (Braun.) West |
| 2 | *Chlamydomonas globosa* Snow |
| 3 | *Dictyosphaerium pulchellum* Wood |
| 4 | *Eutetramorus fottii* (Hindak) Komarek |
| 5 | *Kirchneriella irregularis* (Petyk.) Printz |
| 6 | *K. lunaris* (Kirch.) Moeb. |
| 7 | *Monoraphidium griffithii* (Berk.) Kom.-Leg. |
| 8 | *M. contortum* (thur.) Kom. |
| 9 | *M. dybowskii* Hindak |
| 10 | *Nephrocetium lunatum* West |
| 11 | *Oocystis borgei* Snow |
| 12 | *O. parva* West & West |
| 13 | *Pediastrum tetras* (Ehren.) Ralf. |
| 14 | *Scenedesmus acutus* Lemm. |
| 15 | *S. bicuadatus* (Gugl.) Chod. |
| 16 | *S. denticulatus* Lagerh*.* |
| 17 | *S. ecornis* (Ehren.) Chod. |
| 18 | *S. intermedius* Chod. |
| 19 | *S. protuberans* Fritch. |
| 20 | *S. quadricauda v. quadrispina* (Chod.) Smith |
| **Bacillariophyceae** |
| 21 | *Amphora coffeaeformis* Kutz. |
| 22 | *A. veneta* Kutz. |
| 23 | *Aulocosera granulata* (Ehren.) Simon. |
| 24 | *Azpeitia africana* (Jan. ex Schm.) Fryx. & Watk. |
| 25 | *A. neocrenulata* VanLan.) Fryx. & Watk. |
| 26 | *Bacillaria paradoxa* Gemelin |
| 27 | *Chaetoceros curvesetus* Cleve |
| 28 | *C. lorenzianus* Grun. |
| 29 | *C. pseudocurvisetus* Mang. |
| 30 | *Cocconeis placentula* v. *euglypta* (Ehren.) Cleve |
| 31 | *Cosinodiscus divisis* Grun. |
| 32 | *Cyclotella bodanica* Eulent. |
| 33 | *C. kutzingiana* Thwait. |
| 34 | *C. menghiniana* var *tenera* Kolbe |
| 35 | *C. ocellata* Pant |
| 36 | *C. operculata* (Agard.) Kutz. |
| 37 | *C. stelligera* Cleve & Grun. |
| 38 | *Cymbella affinis* Kuetz. |
| 39 | *Entomoneis alata* (Ehren.) Ehren. |
| 40 | *Epithemia sorex* Kutz. |
| 41 | *Fragillaria capucina* Desm. |
| 42 | *F. construens* (Ehren.) Grun. |
| 43 | *F. construens* var *veneter* Grun. |
| 44 | *Gomphonema olivaceum* (Lyngb.) Kutz. |
| 45 | *Navicula atomus* Nag. |
| 46 | *N. cari* Ehren. |
| 47 | *N. cocconeiformis* Greg. |
| 48 | *N. graciloides* May |

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| **Number** | **species** |
| 49 | *Nitzschia agnita* Hust. |
| 50 | *N. amphibia* Grun. |
| 51 | *N. capitata* Ostr. |
| 52 | *N. closterium* Ehren. |
| 53 | *N. clausii* Hantz. |
| 54 | *N. communis* Cleve |
| 55 | *N. granulata* Grun. |
| 56 | *N. ovalis* Arnott |
| 57 | *N. palea* (Kutz.) Smith |
| 58 | *N. paleaeformis* Hust. |
| 59 | *N. panduriformis* var *minor* Grun. |
| 60 | *N. reversa* Smith |
| 61 | *N. tryblionellae* Hant. |
| 62 | *Pleurosigma elongatum* Smith |
| 63 | *Stephanodiscus astraea* (Ewhren.) Grun. |
| 64 | *Synedra acus* Kutz. |
| 65 | *Synedra delicatissima* (Smith) Grun. |
| 66 | *Thalassionema bacillare* (Heid.) Kolbe |
| 67 | *T. nitzschioides* Grun |
| 70 | *Thalassiosira* sp |
| **Cyanophyceae** |
| 71 | *Chroococcus disperses* (Keiss.) Lemm. |
| 72 | *C. limneticus Lemm* (Kutz.) Nag. |
| 73 | *C. minutus* (Kutz.) Nag. |
| 74 | *Cylindrospormopsis raciborskii* Wolosz |
| 75 | *Lyngbya limnetica* Lemm. |
| 76 | *Merismopedia tenussima* Lemm. |
| 77 | *Microcystis aeruginosa* Kutz. |
| 78 | *Oscillatoria brevis* (Kutz.) Gom. |
| 79 | *O. janus* Skuja |
| 80 | *O. kisselevii* Aniss. |
| 81 | *phormedium frigidum* Fritsch |
| 82 | *.P mucicola* Huper-Pest. Et Naum. |
| 83 | *P. papillaterminatum* Kiss. |
| 84 | *P. toficola* (Nag.) Gom. |
| 85 | *Spirulina major* Kutz. |
| 86 | *Tetrachloris merismopedioides* Skuja |
| **Cryptophyceae** |
| 87 | *Hillea fusiformis* (Schil.) Schil. |
| 88 | *Chroomonas salina* (Wills.) Butch |
| 89 | subtotal Chryptophyceae |
| **Euglenophyceae** |
| 90 | *Eugleba acus* Ehren. |
| 91 | *Eugleba proxima* Dang. |
| 92 | subtotal Eugelnophyceae |
| **Dinophyceae** |
| 93 | *Gymnodinium biconica* Skuja |
| 94 | *Peridinium bipes* Stein |
| 95 | *P. steinii* Jorg. |
| 96 | *Prorocentrum dentatum* Stein |
| 97 | *P. gracile* Schutt |
| 98 | *P. micans* Ehren. |