|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Quad**  **Time**  **Photo** | **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| Porites  rus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  Lobata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  lutea |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  Acuta |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  eydouxi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Montipora sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Leptastrea  Transversa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Corallimorpharia  Sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Halimeda sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia  aegagropila |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Racemosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Serrulata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  versluysii |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  Cavernosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boodlea  Kaeneana |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turbinaria  Ornata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyota sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lobophora  Variegata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amansia  Rhodantha |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Galaxaura sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lithophyllum  Kotschyanum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amphiroa  Fragilissima |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Damsel turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bare rock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Quad**  **Time**  **Photo** | **Q16** | **Q17** | **Q18** | **Q19** | **Q20** | **Q21** | **Q22** | **Q23** | **Q24** | **Q25** | **Q26** | **Q27** | **Q28** | **Q29** | **Q30** |
| Porites  rus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  Lobata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  lutea |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  Acuta |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  eydouxi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Montipora sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Leptastrea  Transversa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Corallimorpharia  Sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Halimeda sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia  aegagropila |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Racemosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Serrulata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  versluysii |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  Cavernosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boodlea  Kaeneana |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turbinaria  Ornata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyota sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lobophora  Variegata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amansia  Rhodantha |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Galaxaura sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lithophyllum  Kotschyanum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amphiroa  Fragilissima |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Damsel turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bare rock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Quad**  **Time**  **Photo** | **Q31** | **Q32** | **Q33** | **Q34** | **Q35** | **Q36** | **Q37** | **Q38** | **Q39** | **Q40** | **Q41** | **Q42** | **Q43** | **Q44** | **Q45** |
| Porites  rus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  Lobata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  lutea |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  Acuta |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  eydouxi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Montipora sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Leptastrea  Transversa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Corallimorpharia  Sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Halimeda sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia  aegagropila |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Racemosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Serrulata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  versluysii |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  Cavernosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boodlea  Kaeneana |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turbinaria  Ornata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyota sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lobophora  Variegata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amansia  Rhodantha |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Galaxaura sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lithophyllum  Kotschyanum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amphiroa  Fragilissima |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Damsel turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bare rock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Quad**  **Time**  **Photo** | **Q46** | **Q47** | **Q48** | **Q49** | **Q50** | **Q51** | **Q52** | **Q53** | **Q54** | **Q55** | **Q56** | **Q57** | **Q58** | **Q59** | **Q60** |
| Porites  rus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  Lobata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Porites  lutea |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  Acuta |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pocillopora  eydouxi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Montipora sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Leptastrea  Transversa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Corallimorpharia  Sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Halimeda sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia  aegagropila |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Valonia sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Racemosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caulerpa  Serrulata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  versluysii |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyosphaeria  Cavernosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boodlea  Kaeneana |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turbinaria  Ornata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dictyota sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lobophora  Variegata |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amansia  Rhodantha |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Galaxaura sp. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lithophyllum  Kotschyanum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amphiroa  Fragilissima |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Damsel turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turf |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bare rock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

*Coral*

Porites rus

Porites lobata

Porites lutea

Pocillopora acuta

Pocillopora eydouxi

Montipora sp.

Leptastrea transversa

Corallimorpharia sp. (soft)

*Green algae*

Halimeda opuntia

Halimeda incrassate

Halimeda minima

Halimeda distorta

Halimeda discoidea

Halimeda sp.

1Valonia ventricosa

Valonia aegagropila

Valonia sp.

Caulerpa racemosa

Caulerpa serrulata

Dictyosphaeria versluysii

Dictyosphaeria cavernosa

Cladophoropsis membranacea

Boodlea kaeneana

Chlorodesmis fastigiata

*Brown algae*

Turbinaria ornata

Dictyota friabilis

Dictyosphaeria versluysii

Dictyota sp.

Lobophora variegata

Padina sp.

Sargassum mangarevense

Colpomenia sinuosa

*Red algae*

Amansia rhodantha

Peysonellia sp.

Galaxaura filamentosa

Galaxaura rugosa

Galaxaura sp.

Dichotomaria obtusata

Dichotomaria marginata

Gelidiella acerosa

Acrinotrichia fragilis

*CCA*

Lithophyllum kotschyanum

Amphiroa fragilissima

1Sporolithon sp.

Other CCA

*Other/inverts*

Damsel turf

Other turf

Cyanophyta

Sponge

Anemone

Ascindian

Sand

Shell Debris

Bare rock