| Family       | Scientific name          | Red List Category | Maximum size | Longevity (years) | Dietary classification | % of species range in MPA |
|--------------|--------------------------|-------------------|--------------|-------------------|------------------------|--------------------------|
| Acanthuridae | *Acanthurus blochii*     | LC                | 45 (SL)      | 35                | Detritivore            | 6.18                     |
| Acanthuridae | *Acanthurus dussumieri*  | LC                | 54 (TL)      | 28                | Detritivore            | 5.13                     |
| Acanthuridae | *Acanthurus fowleri*     | LC                | 45 (TL)      |                   | Detritivore            | 1.96                     |
| Acanthuridae | *Acanthurus grammoptilus* | LC             | 35 (TL)      |                   | Detritivore            | 11.22                    |
| Acanthuridae | *Acanthurus leucocheilus* | LC            | 48 (TL)      |                   | Detritivore            | 2.07                     |
| Acanthuridae | *Acanthurus maculiceps*  | LC                | 40 (TL)      |                   | Detritivore            | 3.61                     |
| Acanthuridae | *Acanthurus nigricauda*  | LC                | 40 (TL)      |                   | Detritivore            | 4.17                     |
| Acanthuridae | *Acanthurus olivaceus*   | LC                | 35 (TL)      | 33                | Detritivore            | 6.02                     |
| Family          | Species                  | Category | TL  | SL  | Diet         | Score |
|-----------------|--------------------------|----------|-----|-----|--------------|-------|
| Acanthuridae    | *Acanthurus pyroferus*    | LC       | 29  | 28  | Detritivore  | 4.73  |
| Acanthuridae    | *Acanthurus reversus*     | LC       | 34  | 34  | Detritivore  | 0.00  |
| Acanthuridae    | *Acanthurus tennentii*    | LC       | 31  | 31  | Detritivore  | 1.73  |
| Acanthuridae    | *Acanthurus tristis*      | LC       | 25  | 25  | Detritivore  | 2.50  |
| Acanthuridae    | *Ctenochaetus binotatus*  | LC       | 22  | 22  | Detritivore  | 4.32  |
| Acanthuridae    | *Ctenochaetus cyanocheilus* | LC   | 17.7| 17.7| Detritivore  | 5.36  |
| Acanthuridae    | *Ctenochaetus flavicauda* | LC      | 11.8| 11.8| Detritivore  | 5.16  |
| Acanthuridae    | *Ctenochaetus hawaiensis* | LC      | 28.1| 28.1| Detritivore  | 4.43  |
| Acanthuridae    | *Ctenochaetus marginatus* | LC      | 27  | 27  | Detritivore  | 15.74 |
| Family        | Species                        | Status | Total Length | Detritivore | Growth Trait |
|--------------|-------------------------------|--------|--------------|-------------|--------------|
| Acanthuridae | *Ctenochaetus striatus*       | LC     | 26 (TL)      | 36          | Detritivore  | 3.81         |
| Acanthuridae | *Ctenochaetus strigosus*      | LC     | 19 (TL)      | Detritivore | 43.81        |
| Acanthuridae | *Ctenochaetus tominiensis*    | LC     | 17.5 (TL)    | 20          | Detritivore  | 2.90         |
| Acanthuridae | *Ctenochaetus truncatus*      | LC     | 18.5 (TL)    | Detritivore | 1.71         |
| Labridae     | *Bolbometopon muricatum*     | VU     | 140 (FL)     | 40          | Detritivore  | 5.09         |
| Labridae     | *Cetoscarus bicolor*         | LC     | 50 (TL)      | 25          | Detritivore  | 2.79         |
| Labridae     | *Cetoscarus ocellatus*       | LC     | >70 (TL)     | 25          | Detritivore  | 4.99         |
| Labridae     | *Chlorurus atrilunula*       | LC     | 36 (TL)      | Detritivore | 1.51         |
| Labridae     | *Chlorurus bleekeri*         | LC     | 49 (TL)      | 14          | Detritivore  | 5.33         |
| Family    | Species            | Status | Length (TL) | Age | Feeding Habit | Score |
|-----------|--------------------|--------|-------------|-----|---------------|-------|
| Labridae  | *Chlorurus boweri*  | NT     | 35          | 14  | Detritivore   | 3.07  |
| Labridae  | *Chlorurus capistratoides* | LC     | 40          |     | Detritivore   | 2.75  |
| Labridae  | *Chlorurus cyanescens* | LC     | 50          |     | Detritivore   | 1.83  |
| Labridae  | *Chlorurus enneacanthus* | LC     | 60          |     | Detritivore   | 3.07  |
| Labridae  | *Chlorurus frontalis* | LC     | 50          |     | Detritivore   | 6.76  |
| Labridae  | *Chlorurus genazonatus* | LC     | 26          |     | Detritivore   | 2.38  |
| Labridae  | *Chlorurus gibbus*   | LC     | 70          |     | Detritivore   | 2.75  |
| Labridae  | *Chlorurus japonensis* | LC     | 24          |     | Detritivore   | 5.21  |
| Labridae  | *Chlorurus microrhinos* | LC     | 80          | 17  | Detritivore   | 5.12  |
| Family   | Species               | Status | Length (TL) | Diet       | Size  |
|----------|-----------------------|--------|-------------|------------|-------|
| Labridae | *Chlorurus oedema*    | LC     | 45 (TL)     | Detritivore| 2.03  |
| Labridae | *Chlorurus perspicillatus* | LC | 62 (TL) | Detritivore | 43.64 |
| Labridae | *Chlorurus rhakoura*   | LC     | 50 (TL)     | Detritivore| 2.09  |
| Labridae | *Chlorurus sordidus*   | LC     | 39 (TL)     | Detritivore| 1.90  |
| Labridae | *Chlorurus spilurus*   | LC     | 25-37 (TL)  | Detritivore| 5.78  |
| Labridae | *Chlorurus strongylocephalus* | LC | 45-70 (TL) | Detritivore| 1.67  |
| Labridae | *Chlorurus troschelii* | LC     | 40 (TL)     | Detritivore| 2.47  |
| Labridae | *Hipposcarus harid*    | LC     | 75 (TL)     | Detritivore| 1.94  |
| Labridae | *Hipposcarus longiceps* | LC | 60 (TL) | Detritivore | 5.04  |
| Family      | Species                | Status | Length (TL) | Size | Category       | Score |
|------------|------------------------|--------|-------------|------|----------------|-------|
| Labridae   | *Scarus altipinnis*    | LC     | 60 (TL)     | 13   | Detritivore    | 7.09  |
| Labridae   | *Scarus arabicus*      | LC     | >50 (TL)    | 25   | Detritivore    | 0.15  |
| Labridae   | *Scarus caudofasciatus*| LC     | 50 (TL)     |      | Detritivore    | 2.41  |
| Labridae   | *Scarus chameleon*     | LC     | 25 (TL)     | 6    | Detritivore    | 6.29  |
| Labridae   | *Scarus chinensis*     | DD     |             |      | Detritivore    | 1.38  |
| Labridae   | *Scarus coelestinus*   | DD     | 77 (TL)     |      | Detritivore    | 7.57  |
| Labridae   | *Scarus coeruleus*     | LC     | 90 (TL)     | 16   | Detritivore    | 7.37  |
| Labridae   | *Scarus collana*       | LC     | 33 (TL)     |      | Detritivore    | 2.79  |
| Labridae   | *Scarus compressus*    | LC     | 68 (TL)     |      | Detritivore    | 6.57  |
| Family     | Species                  | Status | Length (TL) | Diet       | Score |
|------------|--------------------------|--------|-------------|------------|-------|
| Labridae   | *Scarus dimidiatus*      | LC     | 40          | Detritivore| 4.66  |
| Labridae   | *Scarus dubius*          | LC     | 43.64       | Detritivore| 43.64 |
| Labridae   | *Scarus falcipinnis*     | LC     | 1.36        | Detritivore| 1.36  |
| Labridae   | *Scarus ferrugineus*     | LC     | 1.57        | Detritivore| 1.57  |
| Labridae   | *Scarus festivus*        | LC     | 1.85        | Detritivore| 1.85  |
| Labridae   | *Scarus flavipectoralis* | LC     | 5.40        | Detritivore| 5.40  |
| Labridae   | *Scarus forsteni*        | LC     | 4.07        | Detritivore| 4.07  |
| Labridae   | *Scarus frenatus*        | LC     | 4.16        | Detritivore| 4.16  |
| Labridae   | *Scarus fuscocaudalis*   | LC     | 2.20        | Detritivore| 2.20  |
| Family       | Species                  | Status | Size (TL) | Diet | Abundance |
|--------------|--------------------------|--------|-----------|------|-----------|
| Labridae     | *Scarus fuscopurpureus*  | LC     | 38 (TL)   | Detritivore | 1.76 |
| Labridae     | *Scarus ghobban*         | LC     | 75 (TL)   | Detritivore | 1.95 |
| Labridae     | *Scarus globiceps*       | LC     | 27 (TL)   | Detritivore | 4.80 |
| Labridae     | *Scarus guacamaia*       | DD     | 120 (TL)  | Detritivore | 7.67 |
| Labridae     | *Scarus hoefleri*        | LC     | 60 (TL)   | Detritivore | 1.59 |
| Labridae     | *Scarus hypselopterus*   | NT     | 31 (TL)   | Detritivore | 2.23 |
| Labridae     | *Scarus iseri*           | LC     | 35 (TL)   | Detritivore | 7.57 |
| Labridae     | *Scarus koputea*         | LC     | 31 (TL)   | Detritivore | 0.00 |
| Labridae     | *Scarus longipinnis*     | LC     | 30 (TL)   | Detritivore | 16.47 |
| Family     | Species               | Status | Size (TL) | Tablets (SL) | Diet       | Value  |
|------------|-----------------------|--------|-----------|--------------|------------|--------|
| Labridae   | *Scarus niger*        | LC     | 32-40     | 23           | Detritivore| 3.40   |
| Labridae   | *Scarus obishime*     | DD     | 70        | 5            | Detritivore| 0.34   |
| Labridae   | *Scarus oviceps*      | LC     | 30        | 78           | Detritivore| 5.50   |
| Labridae   | *Scarus ovifrons*     | DD     | 78        | 70           | Detritivore| 2.25   |
| Labridae   | *Scarus perrico*      | LC     | 80        | 56           | Detritivore| 6.55   |
| Labridae   | *Scarus persicus*     | LC     | 56        | 22           | Detritivore| 2.12   |
| Labridae   | *Scarus prasiognathos*| LC     | 70        | 5            | Detritivore| 2.20   |
| Labridae   | *Scarus psittacus*    | LC     | 30        | 5            | Detritivore| 5.12   |
| Labridae   | *Scarus quoyi*        | LC     | 40        | 5            | Detritivore| 2.26   |
| Detritivore | Detritivore | Detritivore | Detritivore | Detritivore | Detritivore | Detritivore | Detritivore | Detritivore |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 11-12      | 15         | 8          | 9          | 40 (SL)    | 51 (TL)    | 36 (TL)    | 31         | 30 (TL)    | 35 (TL)    | 26.6 (SL)  | 70 (TL)    | 3.71       | 3.85       |

**Scarus rivulatus**  
**Scarus rubroviolaceus**  
**Scarus russelii**  
**Scarus scaber**  
**Scarus schlegeli**  
**Scarus spinus**  
**Scarus tscheli**  
**Scarus tricolor**  
**Scarus trispinosus**  

**Labridae**  
**Scarus tafemopterus**  
**Scarus tricolor**  
**Scarus trispinosus**
| Family     | Species             | Plate | FL (TL) | Catches | Feeding | Index |
|------------|---------------------|-------|---------|---------|---------|-------|
| Labridae   | *Scarus vetula*     | LC    | 50 (FL) | 20      | Detritivore | 7.17  |
| Labridae   | *Scarus viridifucatus* | LC    | 26 (TL) | Detritivore | 1.85  |
| Labridae   | *Scarus xanthopleura* | LC    | 52 (TL) | Detritivore | 1.88  |
| Labridae   | *Scarus zelindae*   | DD    | 33.2 (SL) | 12     | Detritivore | 3.85  |
| Labridae   | *Scarus zufar*      | DD    | 52 (TL) | 9       | Detritivore | 0.14  |
| Labridae   | *Sparisoma amplum*  | LC    | 39 (SL) | 9-14    | Detritivore | 3.28  |
| Labridae   | *Sparisoma atomarium* | LC    | 25 (TL) | 3       | Detritivore | 6.65  |
| Labridae   | *Sparisoma frondosum* | DD    | 34.5 (SL) | 12     | Detritivore | 3.62  |
| Labridae   | *Sparisoma griseorubrum* | DD | Detritivore | 0.25  |
| Family       | Species                  | Status | Length | Age | Diet         | Size  |
|--------------|--------------------------|--------|--------|-----|--------------|-------|
| Labridae     | Sparisoma rubripinna     | LC     | 47.8 (TL) | 7   | Detritivore  | 6.08  |
| Labridae     | Sparisoma tuiupiranga    | LC     | 15.4 (SL) |     | Detritivore  | 3.47  |
| Labridae     | Sparisoma viride         | LC     | 50 (TL)  | 14  | Detritivore  | 7.17  |
| Labridae     | Cryptotomus roseus      | LC     | 13 (TL)  |     | Herbivore    | 6.50  |
| Acanthuridae | Acanthurus achilles      | LC     | 25 (TL)  |     | Herbivore    | 6.78  |
| Acanthuridae | Acanthurus auranticavus  | LC     | 30 (TL)  | 30  | Herbivore    | 4.43  |
| Acanthuridae | Acanthurus bahianus      | LC     | 36 (TL)  | 32  | Herbivore    | 3.04  |
| Acanthuridae | Acanthurus bariene       | LC     | 42 (TL)  |     | Herbivore    | 3.15  |
| Acanthuridae | Acanthurus chirurgus     | LC     | 34.5 (TL)| 30  | Herbivore    | 5.68  |
| Family       | Species               | Status | SL (cm) | TL (cm) | Diet      | Score |
|--------------|-----------------------|--------|---------|---------|-----------|-------|
| Acanthuridae | *Acanthurus chronixis*| VU     | 21.1    |         | Herbivore | 0.00  |
| Acanthuridae | *Acanthurus coeruleus*| LC     | 39      | 43      | Herbivore | 6.29  |
| Acanthuridae | *Acanthurus guttatus* | LC     | 26      |         | Herbivore | 6.27  |
| Acanthuridae | *Acanthurus japonicus*| LC     | 21      |         | Herbivore | 3.20  |
| Acanthuridae | *Acanthurus leucopareius*| LC    | 24      |         | Herbivore | 6.56  |
| Acanthuridae | *Acanthurus leucosternon*| LC    | 23      |         | Herbivore | 1.83  |
| Acanthuridae | *Acanthurus lineatus* | LC     | 38      | 43      | Herbivore | 4.11  |
| Acanthuridae | *Acanthurus nigricans*| LC     | 21.3    | 34      | Herbivore | 6.39  |
| Acanthuridae | *Acanthurus nigrofuscus*| LC    | 21      | 16      | Herbivore | 4.75  |
| Family            | Species            | Status | Length (TL) | Diet   | Risk  |
|-------------------|--------------------|--------|-------------|--------|-------|
| Acanthuridae      | *Acanthurus nigroris* | LC     | 25          | Herbivore | 43.81 |
| Acanthuridae      | *Acanthurus nigros*  | LC     | 22          | Herbivore | 7.00  |
| Acanthuridae      | *Acanthurus polyzona* | DD     | 20          | Herbivore | 1.56  |
| Acanthuridae      | *Acanthurus sohal*   | LC     | 40          | Herbivore | 1.69  |
| Acanthuridae      | *Acanthurus triostegus* | LC     | 27          | Herbivore | 5.42  |
| Acanthuridae      | *Naso brachycentron* | LC     | 90          | Herbivore | 4.14  |
| Acanthuridae      | *Naso elegans*      | LC     | 36          | Herbivore | 1.91  |
| Acanthuridae      | *Naso lituratus*     | LC     | 37          | Herbivore | 5.38  |
| Acanthuridae      | *Naso tonganus*      | LC     | 60          | Herbivore | 5.22  |
| Family        | Species                  | Status | Length | Age | Feeding | Rate |
|--------------|--------------------------|--------|--------|-----|---------|------|
| Acanthuridae | *Naso tuberosus*         | DD     | 60 (SL)| 25  | Herbivore| 1.29 |
| Acanthuridae | *Naso unicornis*         | LC     | 70 (FL)| 58  | Herbivore| 4.78 |
| Acanthuridae | *Prionurus chrysurus*    | DD     | 30 (SL)|     | Herbivore| 3.06 |
| Acanthuridae | *Prionurus laticlavius*  | LC     | 60 (TL)|     | Herbivore| 20.56|
| Acanthuridae | *Prionurus maculatus*    | LC     | 45 (TL)|     | Herbivore| 10.28|
| Acanthuridae | *Prionurus punctatus*    | LC     | 60 (TL)|     | Herbivore| 2.31 |
| Acanthuridae | *Prionurus scalprum*     | DD     | 50 (TL)|     | Herbivore| 2.06 |
| Acanthuridae | *Zebrasoma desjardinii*  | LC     | 40 (TL)|     | Herbivore| 1.85 |
| Acanthuridae | *Zebrasoma flavescens*   | LC     | 20 (TL)| 41  | Herbivore| 8.48 |
| Family          | Species               | Life Form | Total Length (TL) | Diet      | Abundance |
|-----------------|-----------------------|-----------|------------------|-----------|-----------|
| Acanthuridae    | *Zebrasoma gemmatum*  | DD        | 23 (TL)          | Herbivore | 1.53      |
| Acanthuridae    | *Zebrasoma rostratum* | DD        | 26.5 (TL)        | Herbivore | 6.52      |
| Acanthuridae    | *Zebrasoma scopas*    | LC        | 21.5 (TL) 33     | Herbivore | 3.92      |
| Acanthuridae    | *Zebrasoma veliferum* | LC        | 40 (TL) 30       | Herbivore | 5.52      |
| Acanthuridae    | *Zebrasoma xanthurum* | LC        | 25.1 (TL) 11     | Herbivore | 2.49      |
| Labridae        | *Leptoscarus vaigiensis* | LC     | 35 (TL)          | Herbivore | 4.87      |
| Labridae        | *Sparisoma chrysopterum* | LC     | 46 (TL) 5       | Herbivore | 7.68      |
| Labridae        | *Sparisoma radians*   | LC        | 20 (TL)          | Herbivore | 6.00      |
| Acanthuridae    | *Acanthurus gahhm*    | DD        | 40 (TL)          | No info   | 1.68      |
| Family            | Species                          | Status | Max TL (cm) | Diet  | IUCN | Weight (kg) |
|-------------------|----------------------------------|--------|-------------|-------|------|-------------|
| Acanthuridae      | Prionurus biafraensis            | LC     | 24 (TL)     |       | No info | 0.12        |
| Labridae          | Scarus maculipinna               | DD     | 25 (TL)     |       | No info | 1.93        |
| Labridae          | Scarus pyrrostethus              | LC     | 70-90 (TL)  | 14    | No info | 4.90        |
| Acanthuridae      | Acanthurus mata                  | LC     | 50 (TL)     | 23    | Omnivore| 3.98        |
| Acanthuridae      | Acanthurus monroviae             | LC     | 45 (TL)     |       | Omnivore| 1.72        |
| Acanthuridae      | Acanthurus xanthopterus          | LC     | 70 (TL)     | 34    | Omnivore| 5.18        |
| Acanthuridae      | Naso annulatus                   | LC     | 100 (TL)    | 23    | Omnivore| 4.29        |
| Acanthuridae      | Naso brevirostris                | LC     | 60 (FL)     | 25    | Omnivore| 4.89        |
| Acanthuridae      | Naso fageni                      | LC     | 80 (TL)     |       | Omnivore| 2.51        |
| Family          | Species              | Status | Size (TL/SL) | Diet    | Value  |
|-----------------|----------------------|--------|--------------|---------|--------|
| Acanthuridae    | *Naso maculatus*     | LC     | 60 (TL)      | Omnivore| 14.68  |
| Acanthuridae    | *Naso mcdadei*       | LC     | 75 (SL)      | Omnivore| 7.49   |
| Acanthuridae    | *Naso reticulatus*   | DD     | 57 (TL)      | Omnivore| 6.24   |
| Acanthuridae    | *Naso vlamingii*     | LC     | 60 (TL)      | Omnivore| 4.27   |
| Acanthuridae    | *Prionurus microlepidotus* | LC | 70 (TL) | Omnivore| 51.72  |
| Labridae        | *Calotomus carolinus*| LC     | 50 (TL)      | Omnivore| 5.56   |
| Labridae        | *Calotomus japonicus*| LC     | 39 (TL)      | Omnivore| 3.50   |
| Labridae        | *Calotomus spinidens*| LC     | 30 (TL)      | Omnivore| 2.96   |
| Labridae        | *Calotomus viridescens* | LC | 21 (SL) | Omnivore| 3.96   |
| Species                        | Diet          | Length (SL) | Length (TL) |
|-------------------------------|---------------|-------------|-------------|
| Calotomus zonarchus           | Omnivore      | 33          |             |
| Nicholsina colletta           | Omnivore      | 24          |             |
| Nicholsina denticulata        | Omnivore      | 35          |             |
| Nicholsina usta               | Omnivore      | 30          |             |
| Sparisoma aurofrenatum        | Omnivore      | 28          |             |
| Sparisoma axillare            | Omnivore      | 37          |             |
| Sparisoma cretense            | Omnivore      | 50          |             |
| Sparisoma strigatum           | Omnivore      | 45          |             |
| Acanthurus albipectoralis     | Omnivore      | 33          |             |
| Acanthuridae                  | Planktivore   | 15          |             |
| Species                        | Family            | Size  | Diet | Remarks |
|-------------------------------|-------------------|-------|------|---------|
| Acanthurus nubilus             | Acanthuridae      | 26 (TL) | LC   | Planktivore |
| Acanthurus thompsoni           | Acanthuridae      | 27 (TL) | LC   | Planktivore |
| Naso caeruleacauda            | Acanthuridae      | 30 (TL) | LC   | Planktivore |
| Naso caesius                  | Acanthuridae      | 45.6 (SL) | LC   | Planktivore |
| Naso hexacanthus              | Acanthuridae      | 75 (FL) | LC   | Planktivore |
| Naso lopezi                   | Acanthuridae      | 60 (TL) | LC   | Planktivore |
| Naso minor                    | Acanthuridae      | 22.5 (TL) | LC   | Planktivore |
| Naso thynnoides               | Acanthuridae      | 35 (TL) | LC   | Planktivore |
| Paracanthurus hepatus         | Acanthuridae      | 26 (TL) | LC   | Planktivore |

- LCL: Low Confidence Level