|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 8.156 | 1 | 0.005 |
| IslandCode | 17.261 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 2.522 | 1 | 0.136 |
| ReserveStatus:IslandCode | 3.683 | 3 | 0.012 |

[1] “shannon\_2005”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 8.156 | 1 | 0.005 |
| IslandCode | 17.261 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 2.522 | 1 | 0.136 |
| ReserveStatus:IslandCode | 3.683 | 3 | 0.012 |

[1] “simpson\_2005”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 52.195 | 1 | < 0.001 |
| IslandCode | 18.881 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 3.492 | 1 | 0.084 |
| ReserveStatus:IslandCode | 6.140 | 3 | < 0.001 |

[1] “warty\_sea\_cucumber”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 110.611 | 1 | < 0.001 |
| IslandCode | 40.744 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 6.773 | 1 | 0.022 |
| ReserveStatus:IslandCode | 16.682 | 3 | < 0.001 |

[1] “Kellets\_whelk”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 53.326 | 1 | < 0.001 |
| IslandCode | 12.189 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 3.018 | 1 | 0.106 |
| ReserveStatus:IslandCode | 8.338 | 3 | < 0.001 |

[1] “California\_spiny\_lobster”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 73.160 | 1 | < 0.001 |
| IslandCode | 33.882 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 4.182 | 1 | 0.062 |
| ReserveStatus:IslandCode | 30.525 | 3 | < 0.001 |

[1] “white\_sea\_urchin”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 34.723 | 1 | < 0.001 |
| IslandCode | 9.160 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 0.708 | 1 | 0.415 |
| ReserveStatus:IslandCode | 6.141 | 3 | < 0.001 |

[1] “garibaldi”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 45.920 | 1 | < 0.001 |
| IslandCode | 61.485 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 5.715 | 1 | 0.033 |
| ReserveStatus:IslandCode | 2.174 | 3 | 0.091 |

[1] “orange\_puffball\_sponge”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 0.136 | 1 | 0.712 |
| IslandCode | 184.034 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 4.594 | 1 | 0.052 |
| ReserveStatus:IslandCode | 7.468 | 3 | < 0.001 |

[1] “bladder\_chain\_kelp”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 45.311 | 1 | < 0.001 |
| IslandCode | 8.065 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 1.974 | 1 | 0.184 |
| ReserveStatus:IslandCode | 7.881 | 3 | < 0.001 |

[1] “red\_sea\_urchin”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 29.291 | 1 | < 0.001 |
| IslandCode | 22.977 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 0.019 | 1 | 0.892 |
| ReserveStatus:IslandCode | 11.603 | 3 | < 0.001 |

[1] “California\_sheephead\_male”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 52.459 | 1 | < 0.001 |
| IslandCode | 40.833 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 2.310 | 1 | 0.153 |
| ReserveStatus:IslandCode | 4.867 | 3 | 0.003 |

[1] “bat\_star”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 36.664 | 1 | < 0.001 |
| IslandCode | 91.452 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 5.719 | 1 | 0.033 |
| ReserveStatus:IslandCode | 2.529 | 3 | 0.057 |

[1] “giant\_kelp”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 41.761 | 1 | < 0.001 |
| IslandCode | 8.253 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 1.383 | 1 | 0.261 |
| ReserveStatus:IslandCode | 3.532 | 3 | 0.015 |

[1] “purple\_sea\_urchin”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 23.875 | 1 | < 0.001 |
| IslandCode | 8.093 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 0.001 | 1 | 0.972 |
| ReserveStatus:IslandCode | 7.299 | 3 | < 0.001 |

[1] “kelp\_bass”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 29.619 | 1 | < 0.001 |
| IslandCode | 21.750 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 3.281 | 1 | 0.093 |
| ReserveStatus:IslandCode | 7.485 | 3 | < 0.001 |

[1] “sunflower\_star”

|  |  |  |  |
| --- | --- | --- | --- |
| Predictor Variable | F | Df | P-Value |
| ReserveStatus | 13.806 | 1 | < 0.001 |
| IslandCode | 39.380 | 3 | < 0.001 |
| Mean\_ONI\_Anom | 4.369 | 1 | 0.057 |
| ReserveStatus:IslandCode | 4.429 | 3 | 0.005 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classification | Scientific Name | Common Name | Trophic Level | Fishery Status |
| Algae | Macrocystis pyrifera | giant kelp | Producer | Targeted |
| Fish | Embiotoca jacksoni | black surfperch | Carnivore | Non-targeted |
| Fish | Embiotoca lateralis | striped surfperch | Carnivore | Non-targeted |
| Fish | Rhacochilus vacca | pile perch | Carnivore | Non-targeted |
| Fish | Hypsypops rubicundus | garibaldi | Carnivore | Non-targeted |
| Fish | Halichoeres semicinctus | rock wrasse | Carnivore | Non-targeted |
| Fish | Rhacochilus toxotes | rubberlip surfperch | Carnivore | Non-targeted |
| Fish | Semicossyphus pulcher | California sheephead | Carnivore | Targeted |
| Fish | Caulolatilus princeps | ocean whitefish | Carnivore | Targeted |
| Fish | Girella nigricans | opaleye | Herbivore | Non-targeted |
| Fish | Medialuna californiensis | halfmoon | Herbivore | Non-targeted |
| Fish | Sebastes serranoides | olive rockfish | Piscivore | Targeted |
| Fish | Sebastes atrovirens | kelp rockfish | Piscivore | Targeted |
| Fish | Paralabrax clathratus | kelp bass | Piscivore | Targeted |
| Fish | Sebastes chrysomelas | black and yellow rockfish | Piscivore | Targeted |
| Fish | Scorpaena guttata | California scorpionfish | Piscivore | Targeted |
| Fish | Scorpaenichthys marmoratus | cabezon | Piscivore | Targeted |
| Fish | Sebastes serriceps | treefish | Piscivore | Targeted |
| Fish | Ophiodon elongatus | lingcod | Piscivore | Targeted |
| Fish | Chromis punctipinnis | blacksmith | Planktivore | Non-targeted |
| Fish | Oxyjulis californica | senorita | Planktivore | Non-targeted |
| Fish | Sebastes mystinus | blue rockfish | Planktivore | Targeted |
| Invertebrates | Patiria miniata | bat star | Carnivore | Non-targeted |
| Invertebrates | Pisaster giganteus | giant-spined sea star | Carnivore | Non-targeted |
| Invertebrates | Pycnopodia helianthoides | sunflower star | Carnivore | Non-targeted |
| Invertebrates | Kelletia kelletii | Kellet’s whelk | Carnivore | Targeted |
| Invertebrates | Megastraea undosa | wavy turban snail | Carnivore | Targeted |
| Invertebrates | Haliotis rufescens | red abalone | Herbivore | Non-targeted |
| Invertebrates | Haliotis corrugata | pink abalone | Herbivore | Non-targeted |
| Invertebrates | Haliotis fulgens | green abalone | Herbivore | Non-targeted |
| Invertebrates | Megathura crenulata | giant keyhole limpet | Herbivore | Non-targeted |
| Invertebrates | Tegula regina | queen tegula | Herbivore | Non-targeted |
| Invertebrates | Lytechinus anamesus | white sea urchin | Herbivore | Non-targeted |
| Invertebrates | Strongylocentrotus purpuratus | purple sea urchin | Herbivore | Non-targeted |
| Invertebrates | Lithopoma gibberosa | red turban snail | Herbivore | Targeted |
| Invertebrates | Strongylocentrotus franciscanus | red sea urchin | Herbivore | Targeted |
| Invertebrates | Tethya aurantia | orange puffball sponge | Planktivore | Non-targeted |
| Invertebrates | Lophogorgia chilensis | red gorgonian | Planktivore | Non-targeted |
| Invertebrates | Muricea fruticosa | brown gorgonian | Planktivore | Non-targeted |
| Invertebrates | Muricea californica | California golden gorgonian | Planktivore | Non-targeted |
| Invertebrates | Crassedoma giganteum | rock scallop | Planktivore | Targeted |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rank | Scientific Name | Common Name | Data Type | Fishery Status | MeanDecreaseAccuracy | MeanDecreaseGini |
| 1 | Parastichopus parvimensis | warty sea cucumber | Count | Targeted | 30.6663445 | 5.9378837 |
| 2 | Kelletia kelletii | Kellet’s whelk | Biomass | Targeted | 30.5675362 | 6.5189326 |
| 3 | Panulirus interruptus | alifornia spiny lobster | Count | Targeted | 28.6267904 | 6.1163108 |
| 4 | Lytechinus anamesus | white sea urchin | Biomass | Non-targeted | 24.8717444 | 5.1333159 |
| 5 | Hypsypops rubicundus | garibaldi | Biomass | Non-targeted | 24.5084594 | 3.6854341 |
| 6 | Carnivore invert | arnivore invert | Biomass | Calculated Value | 23.3157035 | 4.6111479 |
| 7 | Tethya aurantia | orange puffball sponge | Biomass | Non-targeted | 22.7306197 | 2.8175848 |
| 8 | Cystoseira | bladder chain kelp | Percent Cover | Non-targeted | 22.7257788 | 4.5693216 |
| 9 | Non-targeted invert biomass | Non-targeted invert | Biomass | Calculated Value | 21.7993097 | 3.7771968 |
| 10 | total benthic biomass | total benthic | Biomass | Calculated Value | 21.6669572 | 3.2997313 |
| 11 | Strongylocentrotus franciscanus | red sea urchin | Biomass | Targeted | 21.0971102 | 2.9780983 |
| 12 | Semicossyphus pulcher | alifornia sheephead male | Biomass | Targeted | 20.9126007 | 3.6237722 |
| 13 | Patiria miniata | bat star | Biomass | Non-targeted | 20.3392089 | 3.0956082 |
| 14 | Targeted invert biomass | Targeted invert | Biomass | Calculated Value | 20.0515343 | 3.0105153 |
| 15 | Simpson Index | Simpson ndex | Index Value | Calculated Value | 19.9069225 | 3.4446514 |
| 16 | Macrocystis pyrifera | giant kelp | Biomass | Targeted | 19.8518788 | 3.2321182 |
| 17 | total biomass | total | Biomass | Calculated Value | 19.5298302 | 2.9357878 |
| 18 | articulated coralline algae | articulated coralline algae | Percent Cover | Non-targeted | 18.8382601 | 2.5647950 |
| 19 | Aplysia californica | alifornia brown sea hare | Count | Non-targeted | 18.6914804 | 3.2452729 |
| 20 | Herbivore invert | Herbivore invert | Biomass | Calculated Value | 18.6425552 | 2.5389865 |
| 21 | Corynactis californicus | club-tipped anemone | Percent Cover | Non-targeted | 17.8177599 | 2.3533041 |
| 22 | Laminaria farlowii | oar weed | Count | Non-targeted | 17.5885258 | 1.8646339 |
| 23 | Strongylocentrotus purpuratus | purple sea urchin | Biomass | Non-targeted | 17.5607334 | 2.5718669 |
| 24 | Crassedoma giganteum | rock scallop | Biomass | Targeted | 17.0983254 | 2.1701839 |
| 25 | Planktivore invert | lanktivore invert | Biomass | Calculated Value | 16.5540376 | 1.8236144 |
| 26 | Brachyistius frenatus | kelp surfperch | Count | Non-targeted | 16.0864620 | 2.5651316 |
| 27 | Muricea californica | alifornia golden gorgonian | Biomass | Non-targeted | 16.0139275 | 1.4655799 |
| 28 | Tunicata | tunicates | Percent Cover | Non-targeted | 16.0130366 | 2.2354121 |
| 29 | Paralabrax clathratus | kelp bass | Biomass | Targeted | 15.8290788 | 1.8933966 |
| 30 | Piscivore | iscivore | Biomass | Calculated Value | 15.5622456 | 1.9603272 |
| 31 | Lophogorgia chilensis | red gorgonian | Biomass | Non-targeted | 15.2470732 | 1.4209564 |
| 32 | Chromis punctipinnis | blacksmith | Biomass | Non-targeted | 14.9172285 | 1.8759507 |
| 33 | Eisenia arborea | Southern sea palm | Count | Non-targeted | 14.8343440 | 1.2701357 |
| 34 | Rhacochilus toxotes | rubberlip surfperch | Biomass | Non-targeted | 14.6488710 | 1.5576504 |
| 35 | Megastraea undosa | wavy turban snail | Biomass | Targeted | 14.5844991 | 1.6784260 |
| 36 | Non-targeted fish biomass | Non-targeted fish | Biomass | Calculated Value | 14.5019715 | 1.7939358 |
| 37 | Girella nigricans | opaleye | Biomass | Non-targeted | 14.3456569 | 1.9349911 |
| 38 | IslandCode | sland ode g | Categorical | Categorical | 14.1646858 | 0.9922637 |
| 39 | Haliotis rufescens | red abalone | Biomass | Non-targeted | 13.9565952 | 1.1465046 |
| 40 | Phaeophyta | brown algae | Percent Cover | Non-targeted | 13.8836002 | 1.6851264 |
| 41 | Cypraea spadicea | chestnut cowrie | Count | Non-targeted | 13.8679616 | 1.6212658 |
| 42 | Rhodophyta | red algae | Percent Cover | Non-targeted | 13.7626085 | 1.8973990 |
| 43 | Sebastes serriceps | treefish | Biomass | Targeted | 13.6454913 | 1.5196560 |
| 44 | Megathura crenulata | giant keyhole limpet | Biomass | Non-targeted | 13.3129859 | 1.4106006 |
| 45 | Pycnopodia helianthoides | sunflower star | Biomass | Non-targeted | 13.2655882 | 1.2552205 |
| 46 | Porifera | sponges | Percent Cover | Non-targeted | 12.6728346 | 1.3254650 |
| 47 | Astrangia lajollaensis | La Jolla cup coral | Percent Cover | Non-targeted | 12.5502179 | 1.1407766 |
| 48 | Herbivore | Herbivore fish | Biomass | Calculated Value | 12.4168240 | 1.5368117 |
| 49 | Oxylebius pictus | painted greenling | Count | Non-targeted | 12.3161782 | 1.3069475 |
| 50 | Sebastes mystinus | blue rockfish | Biomass | Targeted | 12.2654339 | 1.1433947 |
| 51 | Sebastes atrovirens | kelp rockfish | Biomass | Targeted | 12.1511620 | 1.0411092 |
| 52 | Sebastes serranoides | olive rockfish | Biomass | Targeted | 11.9844247 | 1.1321377 |
| 53 | Embiotoca jacksoni | black surfperch | Biomass | Non-targeted | 11.4345234 | 1.3102388 |
| 54 | total fish biomass | total fish | Biomass | Calculated Value | 11.3894875 | 1.4741995 |
| 55 | Balanophyllia elegans | orange cup coral | Percent Cover | Non-targeted | 11.3329931 | 0.9631891 |
| 56 | Bryozoa | bryozoans | Percent Cover | Non-targeted | 11.2838189 | 1.3283516 |
| 57 | Planktivore | lanktivore fish | Biomass | Calculated Value | 11.2635736 | 1.3335911 |
| 58 | Sebastes chrysomelas | black and yellow rockfish | Biomass | Targeted | 11.0748226 | 1.1350398 |
| 59 | Gelidium | agar weed | Percent Cover | Non-targeted | 10.9846756 | 0.8884074 |
| 60 | Rhacochilus vacca | pile perch | Biomass | Non-targeted | 10.4864127 | 1.2252779 |
| 61 | Diopatra ornata | ornate tube worm | Percent Cover | Non-targeted | 10.3851048 | 0.8805184 |
| 62 | Urticina lofotensis | white-spotted rose anemone | Count | Non-targeted | 10.2579325 | 0.6755474 |
| 63 | Diaperoecia californica | Southern staghorn bryozoan | Percent Cover | Non-targeted | 10.2146734 | 0.8506263 |
| 64 | Coryphopterus nicholsi | blackeye goby | Count | Non-targeted | 10.1771102 | 1.0469933 |
| 65 | Styela montereyensis | stalked tunicate | Count | Non-targeted | 10.0553896 | 0.8163823 |
| 66 | Halichoeres semicinctus | rock wrasse | Biomass | Non-targeted | 10.0460606 | 1.0141091 |
| 67 | encrusting coralline algae | encrusting coralline algae | Percent Cover | Non-targeted | 9.9838987 | 1.1872246 |
| 68 | Misc Inverts | Misc nverts | Percent Cover | Non-targeted | 9.9538961 | 1.3309813 |
| 69 | Targeted fish biomass | Targeted fish | Biomass | Calculated Value | 9.7872297 | 1.2551145 |
| 70 | Pisaster giganteus | giant-spined sea star | Biomass | Non-targeted | 9.6909842 | 1.1450493 |
| 71 | Haliotis corrugata | pink abalone | Biomass | Non-targeted | 9.6083424 | 0.6385220 |
| 72 | Shannon Index | Shannon ndex | Index Value | Calculated Value | 9.6077204 | 1.2479490 |
| 73 | Tegula regina | queen tegula | Biomass | Non-targeted | 9.4635443 | 0.9562798 |
| 74 | Carnivore | arnivore fish | Biomass | Calculated Value | 9.4273994 | 1.3693332 |
| 75 | Pterygophora californica | alifornia sea palm | Count | Non-targeted | 9.2703763 | 0.6353663 |
| 76 | Scorpaenichthys marmoratus | cabezon | Biomass | Targeted | 8.8029354 | 0.8433786 |
| 77 | Embiotoca lateralis | striped surfperch | Biomass | Non-targeted | 8.7606446 | 0.6550031 |
| 78 | Centrostephanus coronatus | oronado urchin | Count | Non-targeted | 8.5353978 | 0.7894633 |
| 79 | Sebastes spp. YOY | Rockfish YOY | Count | Non-targeted | 8.2339426 | 0.9879217 |
| 80 | Lithopoma gibberosa | red turban snail | Biomass | Targeted | 7.7810015 | 0.7055434 |
| 81 | Alloclinus holderi | island kelpfish | Count | Non-targeted | 7.3974108 | 0.5715918 |
| 82 | Medialuna californiensis | halfmoon | Biomass | Non-targeted | 7.3658719 | 0.7462351 |
| 83 | Heterostichus rostratus | giant kelpfish | Count | Non-targeted | 7.2731310 | 0.7228819 |
| 84 | Gigartina | sea tongue | Percent Cover | Non-targeted | 7.0040850 | 0.6467915 |
| 85 | Anarrhichthys ocellatus | wolf eel | Count | Non-targeted | 6.8738793 | 0.1920698 |
| 86 | Phragmatopoma californica | colonial sand-tube worm | Percent Cover | Non-targeted | 6.7717887 | 0.6240490 |
| 87 | Ophiodon elongatus | lingcod | Biomass | Targeted | 6.6982088 | 0.4216648 |
| 88 | Citharichthys stigmaeus | speckled sanddab | Count | Targeted | 6.6112078 | 0.4233668 |
| 89 | Desmarestia | acid weed | Percent Cover | Non-targeted | 6.5538892 | 0.4642220 |
| 90 | Serpulorbis squamigerus | scaled wormsnail | Percent Cover | Non-targeted | 6.4775687 | 0.7880808 |
| 91 | Scorpaena guttata | alifornia scorpionfish | Biomass | Targeted | 6.3940246 | 0.7192924 |
| 92 | Sebastes miniatus | vermillion rockfish | Count | Targeted | 6.3648447 | 0.3556599 |
| 93 | Chlorophyta | green algae | Percent Cover | Non-targeted | 6.1624536 | 0.7432189 |
| 94 | Muricea fruticosa | brown gorgonian | Biomass | Non-targeted | 6.1561166 | 0.4454667 |
| 95 | Semicossyphus pulcher | alifornia sheephead female | Biomass | Targeted | 6.1248902 | 1.1148301 |
| 96 | Richness | Richness | Index Value | Calculated Value | 6.0253448 | 0.7796367 |
| 97 | Sebastes carnatus | gopher rockfish | Count | Targeted | 5.9319371 | 0.3576378 |
| 98 | Caulolatilus princeps | ocean whitefish | Biomass | Targeted | 5.6790695 | 0.5940820 |
| 99 | Sebastes auriculatus | brown rockfish | Count | Targeted | 5.4258349 | 0.2249292 |
| 100 | Gymnothorax mordax | alifornia moray eel | Count | Non-targeted | 5.1378187 | 0.2369571 |
| 101 | Cymatogaster aggregata | shiner surfperch | Count | Non-targeted | 5.0085097 | 0.1628567 |
| 102 | Sargassum horneri | devil weed | Count | Non-targeted | 4.7502483 | 0.3943778 |
| 103 | Sebastes rastrelliger | grass rockfish | Count | Targeted | 4.4529017 | 0.2474293 |
| 104 | Lythrypnus dalli | blue-banded goby | Count | Non-targeted | 4.2419890 | 0.2191548 |
| 105 | Sebastes caurinus | copper rockfish | Count | Targeted | 3.7070260 | 0.3921291 |
| 106 | Pachythyone rubra | aggregated red sea cucumber | Percent Cover | Non-targeted | 3.6160458 | 0.2875961 |
| 107 | surfperch spp. | surfperch spp. | Count | Non-targeted | 3.5753863 | 0.2062172 |
| 108 | sculpin spp. | sculpin spp. | Count | Non-targeted | 3.4886148 | 0.3926442 |
| 109 | Pleuronichthys coenosus | c-o turbot | Count | Targeted | 3.3284800 | 0.1722813 |
| 110 | Hypsurus caryi | rainbow surfperch | Count | Non-targeted | 2.9644125 | 0.1961139 |
| 111 | Lythrypnus zebra | zebra goby | Count | Non-targeted | 2.8759392 | 0.3044675 |
| 112 | Oxyjulis californica | senorita | Biomass | Non-targeted | 2.8344974 | 0.8328936 |
| 113 | Aulorhynchus flavidus | tubesnout | Count | Non-targeted | 2.7216984 | 0.2974942 |
| 114 | Paralabrax nebulifer | barred sand bass | Count | Targeted | 2.4496779 | 0.0262828 |
| 115 | kelpfish spp. | kelpfish spp. | Count | Non-targeted | 2.4481022 | 0.2061573 |
| 116 | Plantae | miscellaneous plants | Percent Cover | Non-targeted | 2.4394685 | 0.7576647 |
| 117 | Heterodontus francisci | horn shark | Count | Non-targeted | 2.4081377 | 0.2228339 |
| 118 | Sebastes melanops | black rockfish | Count | Targeted | 2.3394700 | 0.1561770 |
| 119 | Stereolepis gigas | giant black sea bass | Count | Non-targeted | 1.6612195 | 0.0845102 |
| 120 | Porichthys notatus | plainfin midshipman | Count | Non-targeted | 1.6101971 | 0.0043804 |
| 121 | Azurina hirundo | swallowtail damselfish | Count | Non-targeted | 1.0001667 | 0.0097503 |
| 122 | Neoclinus uninotatus | onespot fringehead | Count | Non-targeted | 0.9440945 | 0.0702213 |
| 123 | Haliotis fulgens | green abalone | Biomass | Non-targeted | 0.7716446 | 0.1620770 |
| 124 | Anisotremus davidsonii | sargo | Count | Non-targeted | 0.7538139 | 0.0347949 |
| 125 | Artedius corallinus | coralline sculpin | Count | Non-targeted | 0.5870045 | 0.1750867 |
| 126 | Myliobatis californica | bat ray | Count | Non-targeted | 0.5804283 | 0.1728784 |
| 127 | Cephaloscyllium ventriosum | swell shark | Count | Non-targeted | 0.5261944 | 0.0500269 |
| 128 | larval fish spp. | larval fish spp. | Count | Non-targeted | 0.3040051 | 0.0981427 |
| 129 | Sphryaena argentea | acific barracuda | Count | Targeted | 0.2387963 | 0.0516791 |
| 130 | Atherinops affinis | top smelt | Count | Non-targeted | 0.1480691 | 0.2451716 |
| 131 | Reference | Reference g | Categorical | Categorical | 0.0000000 | 0.0000000 |
| 132 | Haliotis assimilis | threaded abalone | Count | Targeted | 0.0000000 | 0.0030933 |
| 133 | Haliotis sorenseni | white abalone | Count | Targeted | 0.0000000 | 0.0000000 |
| 134 | Stylaster californicus | alifornia hydrocoral | Count | Non-targeted | 0.0000000 | 0.0126813 |
| 135 | Undaria pinnatifida | wakame | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 136 | cusk eel spp. | cusk eel spp. | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 137 | Rathbunella hypoplecta | stripedfin ronquil | Count | Non-targeted | 0.0000000 | 0.0059043 |
| 138 | ronquil spp. | ronquil spp. | Count | Non-targeted | 0.0000000 | 0.0119483 |
| 139 | gunnel spp. | gunnel spp. | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 140 | clingfish spp. | clingfish spp. | Count | Non-targeted | 0.0000000 | 0.0193932 |
| 141 | Sebastes paucispinis | bocaccio | Count | Targeted | 0.0000000 | 0.0039993 |
| 142 | prickleback spp. | prickleback spp. | Count | Non-targeted | 0.0000000 | 0.0052657 |
| 143 | sanddab spp. | sanddab spp. | Count | Targeted | 0.0000000 | 0.0022298 |
| 144 | Scomber japonicus | acific mackerel | Count | Targeted | 0.0000000 | 0.0031429 |
| 145 | Balistes polylepis | finescale triggerfish | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 146 | Cheilotrema saturnum | black croaker | Count | Targeted | 0.0000000 | 0.0000000 |
| 147 | Chaenopsis alepidota | orangethroat pikeblenny | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 148 | Raja clavata | thornback ray | Count | Targeted | 0.0000000 | 0.0117711 |
| 149 | Sebastes semicinctus | halfbanded rockfish | Count | Targeted | 0.0000000 | 0.0015792 |
| 150 | Atractoscion nobilis | white seabass | Count | Targeted | 0.0000000 | 0.0013715 |
| 151 | Apogon atricaudus | plain cardinalfish | Count | Non-targeted | 0.0000000 | 0.0005550 |
| 152 | Triakis semifasciata | leopard shark | Count | Targeted | 0.0000000 | 0.0073091 |
| 153 | Cebidichthys violaceus | monkeyface prickleback | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 154 | Notorynchus cepedianus | broadnose sevengill shark | Count | Targeted | 0.0000000 | 0.0048510 |
| 155 | Neoclinus blanchardi | sarcastic fringehead | Count | Non-targeted | 0.0000000 | 0.0043206 |
| 156 | Hyperprosopon argenteum | walleye surfperch | Count | Non-targeted | 0.0000000 | 0.0000000 |
| 157 | Mola mola | ocean sunfish | Count | Non-targeted | 0.0000000 | 0.0074135 |
| 158 | Hermosilla azurea | zebra perch | Count | Non-targeted | -0.0094067 | 0.0461732 |
| 159 | Hexagrammos decagrammus | kelp greenling | Count | Targeted | -0.0235226 | 0.0685159 |
| 160 | Cryptochiton stelleri | gumboot chiton | Count | Non-targeted | -0.0359637 | 0.0234266 |
| 161 | Trachurus symmetricus | jack mackerel | Count | Non-targeted | -0.1132960 | 0.0999494 |
| 162 | baitfish spp. | baitfish spp. | Count | Targeted | -0.3535224 | 0.0245354 |
| 163 | Squatina californica | acific angel shark | Count | Targeted | -0.4559389 | 0.1147252 |
| 164 | Sarda chiliensis | acific bonito | Count | Targeted | -0.4611431 | 0.0233039 |
| 165 | Neoclinus stephensae | yellowfin fringehead | Count | Non-targeted | -0.6198659 | 0.0298978 |
| 166 | Gibbonsia montereyensis | crevice kelpfish | Count | Non-targeted | -0.7310982 | 0.0371178 |
| 167 | Gibbonsia elegans | spotted kelpfish | Count | Non-targeted | -1.3059501 | 0.0152554 |
| 168 | Galeorhinus galeus | soupfin shark | Count | Non-targeted | -1.3406891 | 0.0078781 |
| 169 | Pisaster ochraceus | ochre sea star | Count | Non-targeted | -1.3831021 | 0.1069279 |
| 170 | Neoclinus | fringehead spp. | Count | Non-targeted | -1.6394699 | 0.1136910 |
| 171 | Paralichthys californicus | alifornia halibut | Count | Targeted | -1.7743325 | 0.0414226 |
| 172 | Seriola lalandi | yellowtail | Count | Targeted | -2.5901067 | 0.0898896 |
| 173 | SurveyYear | Survey Year g | Categorical | Categorical | -4.4119237 | 2.2879226 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Common Name | Reserve Status | Y Intercept | Coefficient | P-Value | D.F. | Standard Error | Adjusted R² |
| black and yellow rockfish | Inside | 0.020 | 0.138 | < 0.001 | 1 | 0.008 | 0.683 |
| black and yellow rockfish | Outside | 0.011 | 0.141 | < 0.001 | 1 | 0.006 | 0.761 |
| black surfperch | Inside | 0.490 | 0.054 | < 0.001 | 1 | 0.006 | 0.326 |
| black surfperch | Outside | 0.357 | 0.075 | < 0.001 | 1 | 0.007 | 0.427 |
| blacksmith | Inside | 2.480 | 0.009 | < 0.001 | 1 | 0.002 | 0.182 |
| blacksmith | Outside | 4.729 | 0.005 | < 0.001 | 1 | 0.001 | 0.125 |
| blue rockfish | Inside | 0.551 | 0.015 | < 0.001 | 1 | 0.001 | 0.400 |
| blue rockfish | Outside | 0.952 | 0.011 | < 0.001 | 1 | 0.002 | 0.226 |
| cabezon | Inside | 0.003 | 0.661 | < 0.001 | 1 | 0.046 | 0.561 |
| cabezon | Outside | 0.000 | 0.546 | < 0.001 | 1 | 0.033 | 0.635 |
| California scorpionfish | Inside | 0.009 | 0.103 | < 0.001 | 1 | 0.013 | 0.280 |
| California scorpionfish | Outside | 0.021 | 0.072 | < 0.001 | 1 | 0.014 | 0.132 |
| California sheephead, female | Inside | 1.080 | 0.185 | < 0.001 | 1 | 0.024 | 0.279 |
| California sheephead, female | Outside | 1.367 | 0.098 | < 0.001 | 1 | 0.011 | 0.342 |
| California sheephead, male | Inside | 1.039 | 1.797 | < 0.001 | 1 | 0.132 | 0.544 |
| California sheephead, male | Outside | 0.561 | 1.046 | < 0.001 | 1 | 0.075 | 0.558 |
| garibaldi | Inside | 0.364 | 0.151 | < 0.001 | 1 | 0.007 | 0.769 |
| garibaldi | Outside | 0.909 | 0.141 | < 0.001 | 1 | 0.009 | 0.631 |
| halfmoon | Inside | 0.000 | 0.471 | < 0.001 | 1 | 0.041 | 0.490 |
| halfmoon | Outside | 0.000 | 0.411 | < 0.001 | 1 | 0.031 | 0.574 |
| kelp bass | Inside | 1.251 | 0.097 | < 0.001 | 1 | 0.006 | 0.598 |
| kelp bass | Outside | 0.736 | 0.078 | < 0.001 | 1 | 0.009 | 0.345 |
| kelp rockfish | Inside | 0.211 | 0.131 | < 0.001 | 1 | 0.008 | 0.619 |
| kelp rockfish | Outside | 0.000 | 0.211 | < 0.001 | 1 | 0.009 | 0.782 |
| lingcod | Inside | 0.041 | 2.425 | < 0.001 | 1 | 0.131 | 0.667 |
| lingcod | Outside | 0.000 | 1.805 | < 0.001 | 1 | 0.124 | 0.550 |
| ocean whitefish | Inside | 0.000 | 0.623 | < 0.001 | 1 | 0.021 | 0.846 |
| ocean whitefish | Outside | 0.119 | 0.331 | < 0.001 | 1 | 0.027 | 0.482 |
| olive rockfish | Inside | 1.595 | 0.016 | 0.036 | 1 | 0.008 | 0.021 |
| olive rockfish | Outside | 0.996 | 0.012 | 0.18 | 1 | 0.009 | 0.005 |
| opaleye | Inside | 0.177 | 0.399 | < 0.001 | 1 | 0.038 | 0.613 |
| opaleye | Outside | 0.460 | 0.214 | < 0.001 | 1 | 0.021 | 0.624 |
| pile perch | Inside | 0.268 | 0.033 | < 0.001 | 1 | 0.006 | 0.142 |
| pile perch | Outside | 0.000 | 0.171 | < 0.001 | 1 | 0.012 | 0.580 |
| rock wrasse | Inside | 0.052 | 0.038 | < 0.001 | 1 | 0.002 | 0.721 |
| rock wrasse | Outside | 0.156 | 0.027 | < 0.001 | 1 | 0.001 | 0.747 |
| rubberlip surfperch | Inside | 0.084 | 0.285 | < 0.001 | 1 | 0.022 | 0.520 |
| rubberlip surfperch | Outside | 0.083 | 0.144 | < 0.001 | 1 | 0.016 | 0.323 |
| senorita | Inside | 0.665 | 0.011 | < 0.001 | 1 | 0.001 | 0.445 |
| senorita | Outside | 0.575 | 0.008 | < 0.001 | 1 | 0.001 | 0.370 |
| striped surfperch | Inside | 0.053 | 0.063 | < 0.001 | 1 | 0.003 | 0.658 |
| striped surfperch | Outside | 0.005 | 0.093 | < 0.001 | 1 | 0.004 | 0.729 |
| treefish | Inside | 0.133 | 0.045 | < 0.001 | 1 | 0.009 | 0.137 |
| treefish | Outside | 0.078 | 0.142 | < 0.001 | 1 | 0.010 | 0.562 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Common Name | Reserve Status | Y Intercept | Coefficient | P-Value | D.F. | Standard Error | Adjusted R² |
| bat star | Inside | 0.716 | 67.777 | < 0.001 | 1 | 0.987 | 0.946 |
| bat star | Outside | 6.641 | 59.006 | < 0.001 | 1 | 1.301 | 0.792 |
| brown gorgonian | Inside | 0.000 | 140.667 | < 0.001 | 1 | 7.107 | 0.617 |
| brown gorgonian | Outside | 0.020 | 63.564 | < 0.001 | 1 | 1.656 | 0.753 |
| California golden gorgonian | Inside | 0.286 | 163.621 | < 0.001 | 1 | 11.072 | 0.489 |
| California golden gorgonian | Outside | 0.109 | 239.627 | < 0.001 | 1 | 4.184 | 0.892 |
| giant-spined sea star | Inside | 1.531 | 119.102 | < 0.001 | 1 | 3.053 | 0.853 |
| giant-spined sea star | Outside | 3.887 | 84.890 | < 0.001 | 1 | 2.143 | 0.749 |
| giant kelp, adult (>1m) | Inside | 8.377 | 38.212 | < 0.001 | 1 | 1.298 | 0.761 |
| giant kelp, adult (>1m) | Outside | 5.711 | 46.043 | < 0.001 | 1 | 1.055 | 0.780 |
| giant keyhole limpet | Inside | 0.275 | 109.924 | < 0.001 | 1 | 2.022 | 0.926 |
| giant keyhole limpet | Outside | 0.181 | 101.285 | < 0.001 | 1 | 1.034 | 0.956 |
| green abalone | Inside | 0.008 | 230.608 | < 0.001 | 1 | 6.109 | 0.838 |
| green abalone | Outside | 0.000 | 398.016 | < 0.001 | 1 | 5.218 | 0.912 |
| Kellet’s whelk | Inside | 0.189 | 56.945 | < 0.001 | 1 | 2.065 | 0.764 |
| Kellet’s whelk | Outside | 0.798 | 72.751 | < 0.001 | 1 | 1.588 | 0.826 |
| orange puffball sponge | Inside | 0.000 | 110.370 | < 0.001 | 1 | 4.881 | 0.685 |
| orange puffball sponge | Outside | 0.000 | 126.822 | < 0.001 | 1 | 2.659 | 0.837 |
| pink abalone | Inside | 0.000 | 453.771 | < 0.001 | 1 | 8.618 | 0.912 |
| pink abalone | Outside | 0.000 | 290.870 | < 0.001 | 1 | 2.055 | 0.974 |
| purple sea urchin | Inside | 45.178 | 6.644 | < 0.001 | 1 | 0.293 | 0.653 |
| purple sea urchin | Outside | 99.385 | 3.455 | < 0.001 | 1 | 0.242 | 0.275 |
| queen tegula | Inside | 0.151 | 30.766 | < 0.001 | 1 | 0.489 | 0.951 |
| queen tegula | Outside | 0.260 | 27.427 | < 0.001 | 1 | 0.383 | 0.954 |
| red abalone | Inside | 0.000 | 924.302 | < 0.001 | 1 | 5.136 | 0.992 |
| red abalone | Outside | 0.310 | 815.613 | < 0.001 | 1 | 6.936 | 0.962 |
| red gorgonian | Inside | 0.208 | 102.030 | < 0.001 | 1 | 4.699 | 0.708 |
| red gorgonian | Outside | 0.895 | 110.989 | < 0.001 | 1 | 6.895 | 0.372 |
| red sea urchin | Inside | 155.696 | 111.764 | < 0.001 | 1 | 7.485 | 0.449 |
| red sea urchin | Outside | 146.849 | 38.198 | < 0.001 | 1 | 2.858 | 0.248 |
| red turban snail | Inside | 0.131 | 28.913 | < 0.001 | 1 | 1.259 | 0.691 |
| red turban snail | Outside | 0.721 | 26.217 | < 0.001 | 1 | 0.982 | 0.699 |
| rock scallop | Inside | 3.628 | 119.887 | < 0.001 | 1 | 4.962 | 0.693 |
| rock scallop | Outside | 1.531 | 103.846 | < 0.001 | 1 | 2.551 | 0.807 |
| sunflower star | Inside | 2.296 | 918.355 | < 0.001 | 1 | 37.393 | 0.693 |
| sunflower star | Outside | 7.930 | 633.259 | < 0.001 | 1 | 25.630 | 0.537 |
| wavy turban snail | Inside | 10.640 | 67.900 | < 0.001 | 1 | 2.067 | 0.803 |
| wavy turban snail | Outside | 13.567 | 39.903 | < 0.001 | 1 | 1.214 | 0.673 |
| white sea urchin | Inside | 0.000 | 3.924 | < 0.001 | 1 | 0.211 | 0.577 |
| white sea urchin | Outside | 0.873 | 1.697 | < 0.001 | 1 | 0.050 | 0.707 |