# Mapping Reef Check

I will create a demo map that can be used by Reef Check to document its survey areas, species distribution, pollution hotspots, and more. While the base map will include mostly only human-oriented features (e.g. roads and cities), the color scheme can be adopted by any field representing features or areas of interest to Reef Check. Below is the anticipated cost of this project, by activity:

| Activity | Anticipated Time | Anticipated Cost | Actual Time | Actual cost |
|---|---|---|---|---|
| Develop a map representative of the overall feel of Reef Check | 45 min | $75 | 90 min | $150 |
| Create an accessible webpage with three distinct zoom levels | 20 min | $33 | 30 min | $50 |
| Create a lookup table that documents the feature type, element type, and stylers for all relevant features | 30 min | $50 | 40 min | $67 |
| Provide a link to a downloadable JSON file | 10 min | $17 | 5 min | $8 |
| Write instructions for future map alterations | 60 min | $100 | 20 min | $33 |

Color Library by Feature

| Feature type | Element type | Stylers |
|---|---|---|
| All | Labels / Text fill | Color: Carrot Orange #EF8B21 |
| All | Labels / text outline | Color: Dark Blue #0C1C51 |
| Country | Geometry / Stroke | Color: Squid Pink #E77B7C |
| Province | Geometry / Stroke | Color: Carrot Orange #EF8B21 |
| Land parcel | Labels / Text fill | Color: Robin's Egg Blue #08C1B3 |
| Landscape / Human-made | Geometry / Stroke | Color: Squid Pink #E77B7C |
| Landscape / Natural | Geometry | Color: Dark Blue #0C1C51 |

| | | |
|---|---|---|
| Points of interest | Labels / Text fill | Color: Robin's Egg Blue #08C1B3 |
| Points of interest | Labels / Text fill outline | Color: Dark Blue #0C1C51 |
| POI / Park | Labels / Text fill & Geometry | Color: Persian Green #04A39F |
| Road | Geometry | Color: Persian Green #04A39F |
| Road | Labels / Text fill | Color: Dark Blue #0C1C51 |
| Road | Labels / Text outline | Color: Robin's Egg Blue #08C1B3 |
| Road / Highway | Geometry | Color: Magenta (#EF31D5) |
| Road / Highway | Geometry / Stroke | Color: Dark Teal #0D89AA |
| Road / Highway | Labels / Text fill | Color: Medium Violet Red (#D61E99) |
| Road / Highway | Labels / Text outline | Color: Dark Blue #0C1C51 |
| Transit | Labels / Text fill | Color: Robin's Egg Blue #08C1B3 |
| Transit | Labels / Text outline | Color: Dark Blue #0C1C51 |
| Transit / Line | Geometry / Fill | Color: Squid Pink #E77B7C |
| Transit / Station | Geometry | Color: Squid Pink #E77B7C |
| Water | Geometry | Color: Navy #0e1626 |
| Water | Text fill | Color: Dark Teal #0D89AA |