**LTER Time Series Photo Analysis Protocol**

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1. Open a photo from your “Photos to Process” folder and record the image name in the “Photo Name” column
2. Under the “Processor” column write your name
3. Using the image name, record:
   1. The site (i.e. LTER1, LTER2, etc.) in the “Site” column
   2. The habitat (i.e. out10, out17, backreef) in the “Reef Habitat” column as:
      1. BackReef, Out10, or Out17
   3. The pole number in the “Pole” column
   4. The quadrat number in the “Quad” column
   5. The year the image was taken in the “Year” column
4. Analyze each coral that is > 2 cm in diameter for the following:
   1. Record genus of coral (refer to Moorea\_Coral\_ID PowerPoint) in the “Coral Genus” column
   2. Record the estimate of coral diameter (cm) in the “Coral Widest Diameter” and “Coral Perp. Diameter” columns (refer to ImageJ\_tutorial\_guide for directions)
      1. If part of the coral colony is vertical on an edge so you cannot see the entire colony, just measure the diameter of the coral you can see
5. Record any occurrences of corallivory (coral predation) as follows:
   1. For **ALL** branched coral (*Acropora* and *Pocillopora*):
      1. Record the total number of branches in the “# Branches” column and the number of bitten branches in the “# Bitten Branches” column (refer to the Corallivory\_examples for example of scarred branches)
      2. If corallivory is not present write NA in the “# Branches” and “# Bitten Branches” columns
      3. If the coral is encrusting/massive write NA in the “# Branches” column
   2. For massive *Porites*:
      1. Record the number of distinct bite scars in the “# Scars on Massive Coral” column (refer to Corallivory\_examples for example of scarred massive coral)
6. Record any occurrences of macroborers for massive *Porites* in the “# Macroborers” column
7. Record any pertinent notes in the “Notes” column