**Diatoms:**

- **Chaetoceros sp.**
  - Square shaped cells with spines at each corner; often seen in chains

- **Pleurosigma sp.**
  - Elongated cell, tapered at ends; normally orange or clear; often seen moving

- **Thalassionema sp.**
  - Single, rod-like cells that may form chains

- **Skeletonema sp.**
  - Small cells evenly spaced in chains

- **Rhizosolenia sp.**
  - Elongated cell with projections at each end; may have multiple chloroplasts

- **Pseudo-nitzschia sp.**
  - Cells look like grains of rice; cells form a chain that looks like inclining stairs

- **Guinardia sp.**
  - Chain of cells that can be arched; each cell has multiple chloroplasts

- **Ditylum sp.**
  - Cell has multiple chloroplasts and a long spine at each end

- **Navicula sp.**
  - Related to Pleurosigma but much smaller; often seen moving

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**Dinoflagellates:**

- **Akashiwo sanguinea**
  Flat, tooth-like shape, often orangish in color

- **Protoperidinium sp.**
  Turnip-shaped cell that moves like a spinning top

- **Ceratium longipes**
  Cell with three long pipes radiating from a central disc

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**Phytoplankton Identification Guide**


- **Asterionella sp.**
  Single cells, or cells may form star-shaped colonies by uniting at base

- **Bacillaria sp.**
  Rectangular cells in inclining chains; moves in and out like an accordion

- **Amphiprora sp.**
  Cells are usually solitary; nicknamed the “green rocket”

- **Eucampia sp.**
  Arched elliptical chains of cells connected by two projections

- **Coscinodiscus sp.**
  Spherical cell; may have a dark band around the edge and a dark center

- **Nitzschia sp.**
  Long, oval cell with two projections; very small cells that move in straight line

- **Odontella sp.**
  Rectangular shaped cell with projections off each corner; may form chains

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