A dive site is defined by five fields: name, area, state, country and Uid.

Select diveSite for a diveLog:

1. Retrieve the active diveLog
2. Remove the active diveLog from the previous diveSite's record
3. Add the active diveLog to the selected diveSite's record
4. Update the active diveLog with the selected diveSite's Uid, area, state, and country
5. Save the active diveLog to the database

Edit a diveSite and then select it for the active diveLog:

The user can create a new diveSite or edit and existing diveSite’s name, area, state and country. Upon clicking SAVE the diveSite, area, state, and country records are saved to the database. Then the active diveLog is updated with the selected diveSite’s Uid, area, state, and country.

1. Retrieve the original area, state, and county records from their respective names contained in the diveSite record.
2. Retrieve the active diveLog.
3. Clicking the area, state, and country BUTTONS the user may change the diveSite’s area, state, and country records. These changed records are stored as “proposed” area, state, and country records.
4. Clicking SAVE
   1. If needed, save the area, state, and country “SelectionValue” records to the database, by:
      1. Remove the diveSite from the original selectionValue record
      2. Add the diveSite to the proposed selectionValue record
   2. Update the diveSite’s name, area, state, and country fields with the proposed records.
   3. Save the diveSite to the database.

Select diveSite for a diveLog:

* 1. Remove the active diveLog from the previous diveSite's record
  2. Add the active diveLog to the selected diveSite's record
  3. Update the active diveLog with the selected diveSite's Uid, area, state, and country
  4. Save the active diveLog to the database