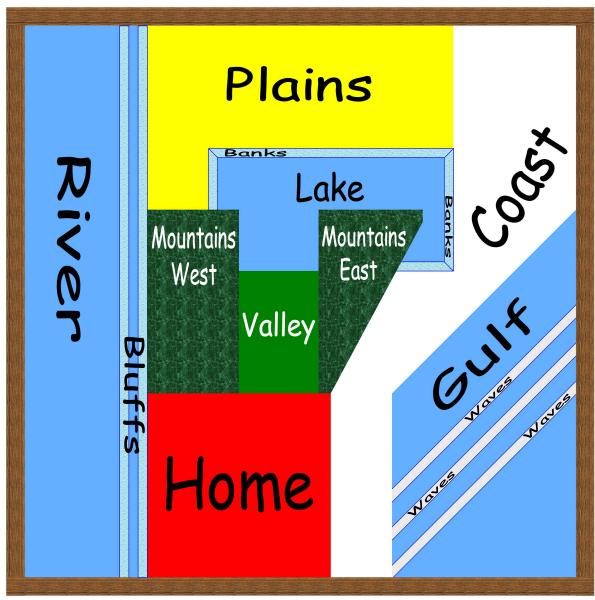
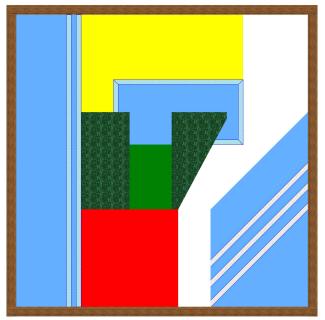


The 2013-2014 EARLY Robotics Competition mission field, **Doveland**, is a 4' \times 4' field with a 2" \times 4" border with various terrain features. The following information is provided for constructing the mission field.

Doveland



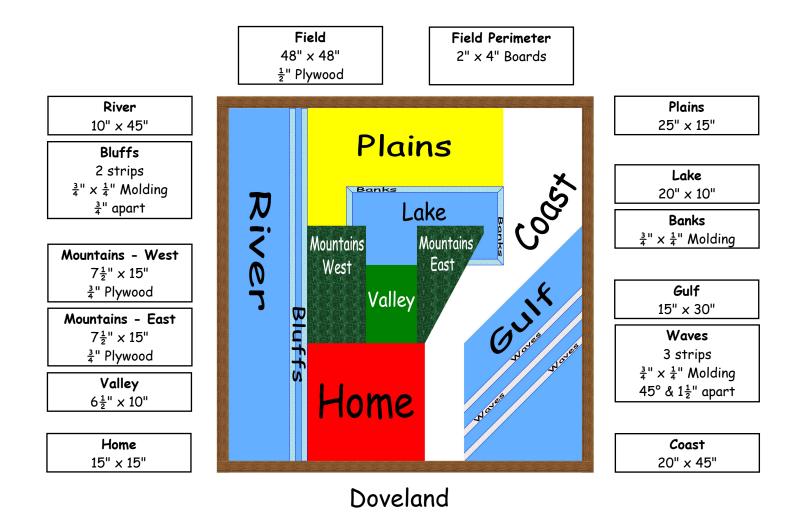
2013-2014 EARLY Mission Field



Mission Field Rendering



Mission Field Image





View from the HOME



View from the lower **RIVER**



View from the middle **RIVER**



View from the upper $\ensuremath{\mathsf{RIVER}}$



View from **PLAINS**



View from the upper COAST



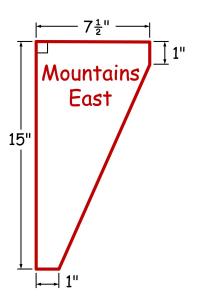
View from the COAST & GULF



View from the **G**ULF

3

- The bottom of the mission field is a 4' x 4' sheet of $\frac{1}{2}$ " plywood.
- The outer boundary of the mission field is made of 2x4 boards (actual dimension of 1¹/₂" x 3¹/₂") and is *black*. The side of the 2x4 board that is 1¹/₂" is attached to the plywood with glue, nails, or screws.
- HOME is a 15" by 15" flat area and is *red*. HOME is 10" from the left mission field boundary.
- The RIVER is a 10" by 45" area and is *blue*. The RIVER includes the BLUFFS that define the right border of the RIVER and is made from two 45" strips of ³/₄" × ¹/₄" screen molding separated by ³/₄"; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- The PLAINS is a 15" by 20" flat area and is yellow. A portion of the PLAINS area is overlapped by the LAKE.
- The LAKE is a 20" by 10" area and is *blue*. The LAKE is 15" from the left mission field boundary and adjacent to the VALLEY, the MOUNTAINS-WEST, the MOUNTAINS-EAST, the PLAINS, and the COAST. A portion of the LAKE is overlapped by the MOUNTAINS. The LAKE includes the BANKS that are made from four strips of ³/₄" x ¹/₄" screen molding; the BANKS are on the edge of the LAKE that are adjacent to the PLAINS and the COAST --- NOT on edges of the LAKE that are adjacent to the MOUNTAINS and the VALLEY; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- The MOUNTAINS-WEST is a 7.5" by 15" piece of $\frac{3}{4}$ " plywood and is *green*. The MOUNTAINS-WEST is adjacent to the **RIVER BLUFFS**.
- The MOUNTAINS-EAST is a 7.5" by 15" right triangular piece of ³/₄" plywood with 1" flats on the two acute angles and is *green*.



• The VALLEY is a 6.5" by 10" flat area and is *green*. The VALLEY is adjacent to HOME, the MOUNTAINS-WEST, the LAKE, and the MOUNTAINS-EAST.

- The GULF is a 15" by 30" trapezoidal area and is *blue*. The trapezoid is 15" adjacent to the lower mission field boundary, 30" adjacent to the right mission field boundary, 15" adjacent to the lower COAST, and 21¹/₄" (45° angle) adjacent to the central COAST. The GULF includes the WAVES that are made from three 21¹/₄" strips of ³/₄" x ¹/₄" screen molding positioned at a 45° angle, separated by 1¹/₂" and are *white*; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- The COAST is a 20" by 45" flat area and is *white*. The COAST extends from the lower mission field boundary to the upper mission field boundary and is adjacent to HOME, the MOUNTAINS-EAST, the LAKE, the PLAINS, and the GULF. A portion of the COAST is overlapped by the MOUNTAINS-EAST, the LAKE, the PLAINS, and the GULF.
- The *blue* color can be made by mixing 1 part navy blue paint with 1 part white paint.

Please contact <u>Mission.Control@EARLYrobotics.org</u> with any questions or comments.

Thank you for maintaining the spirit of the game!