

Shellfish Survey Box

Tools

- Chop saw or circular saw
- Table saw (for lath)
- Drill and impact driver
- Drill bits: **3/32"** and **1/4"**
- T20 impact driver bit
- Heavy duty stapler
- Utility knife
- Tape measure
- Pencil

Materials

- **PET Screen** (0.7 mm × 1.9 mm)
- **1" × 3" spruce** (actual $\sim\frac{3}{4}'' \times 2\frac{1}{2}''$)
 - 2 × 12" pieces
 - 2 × 13.5" pieces
- **Wood lath**, cut in half lengthwise
 - 2 × 12"
 - 2 × 13.5"
- **1-1/4" exterior screws** (T20)
- **Staples** (T50, 3/8")



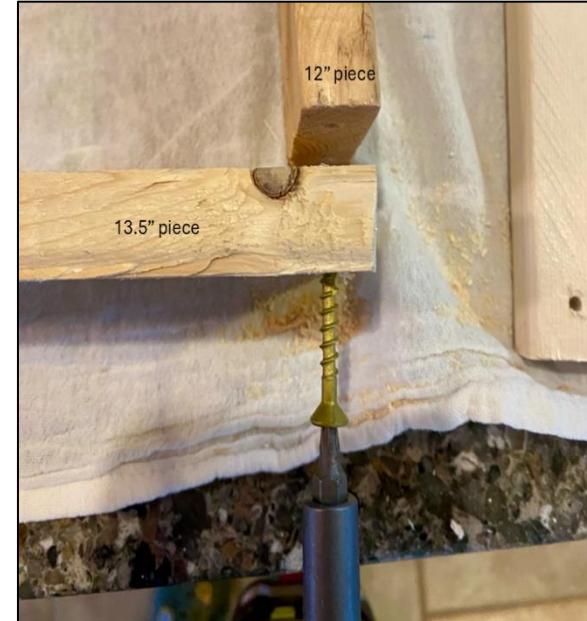
1. Cut the wood

- Cut 2 × 12" and 2 × 13.5" pieces of 1"×3"
- Cut lath in **half lengthwise**
- Cut lath into 2 × 12" and 2 × 13.5" pieces



2. Drill the holes

- **Frame boards:**
Pre-drill **3/32"** holes in each end (prevents splitting)
- **Lath strips:**
Drill **1/4"** holes near both ends and one in the middle



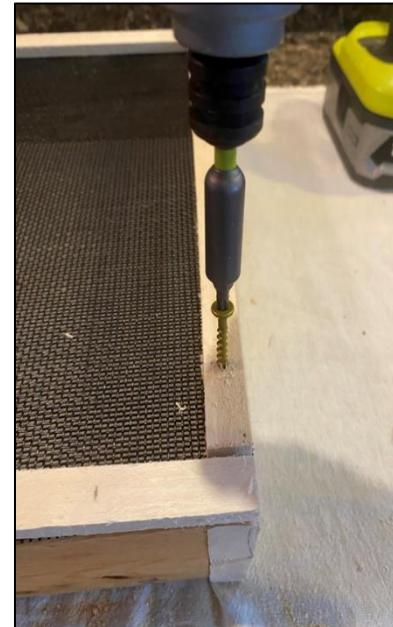
3. Build the frame

- Place **13.5" boards** on the **outside**
- Place **12" boards** inside
- Use **2 screws per corner**
- ✓ This creates a **12" × 12"** inside opening



4. Add the screen

- Cut PET screen to **12" x 14"** (allows for a little extra)
- Lay screen flat
- Place frame on top and flip over so screen is facing up
- Pull screen tight
- Staple along all four sides, cut extra material off



5. Lock the screen in place

- Place lath strips over the screen on the **outside face**
- Line up edges
- Screw lath into frame using pre-drilled holes



Add ruler

- Add a **cm** or **mm** ruler to one side of the box using stapler
- Ensure edge is lined up with edge of box to make measuring easier



Quick tips

- **Square corners** matter more than perfection
- Screen should be **tight like a drum**
- Don't **over-tighten** screws
- Happy surveying!

