# **Improved Salmon and Trout Egg Counter Weekly Progress Report**

Report date: 2/27/2022

* **Last Week** 
  + Team Review
    - Met with Curt on zoom to discuss the 3D print and sensor finalization
  + Sydney
    - Finished the CAD in fusion to get laser cut
    - sent the files to Pat to get cut
    - Built and tested IR/ phototransistor pair
  + Sean
    - Got Pi setup with OpenCV, Picam, GPIO, Python
    - Tested FAST algorithm on test images, but as an edge detector, it struggles with eggs
  + Agustin
    - Built IR Phototransistor circuit on breadboard
    - Reviewed Ryobi Battery specs for project
  + Trueman
    - Updated BoM
* **Next week**
  + Team Plan
    - Meet Curt on Sunday to cut our the first chassis
  + Sydney
    - Test new IR with white/black strip and fake egg sensor circuit
    - Grab fake eggs from sean to test
  + Sean
    - Load up Python Scripts into rasp pi & code in image separator
    - Get used to picam stuff & save to usb
  + Agustin
    - Support power distribution design
      * Design using Ryobi 18V battery and adapter
  + Trueman
    - Start User Manual
* **Blocked**
  + Team Blocks
    - -
  + Sydney
    - Don’t have the parts I need yet to test, waiting on Amazon
    - Need the actual chassis to be printed in order to test accurately
  + Sean
    - Finding an easy blob detector
    - Real World vs tests of image stuff (ie fast rotating disc)
  + Agustin
    - -
  + Trueman
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