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Mission Southbound

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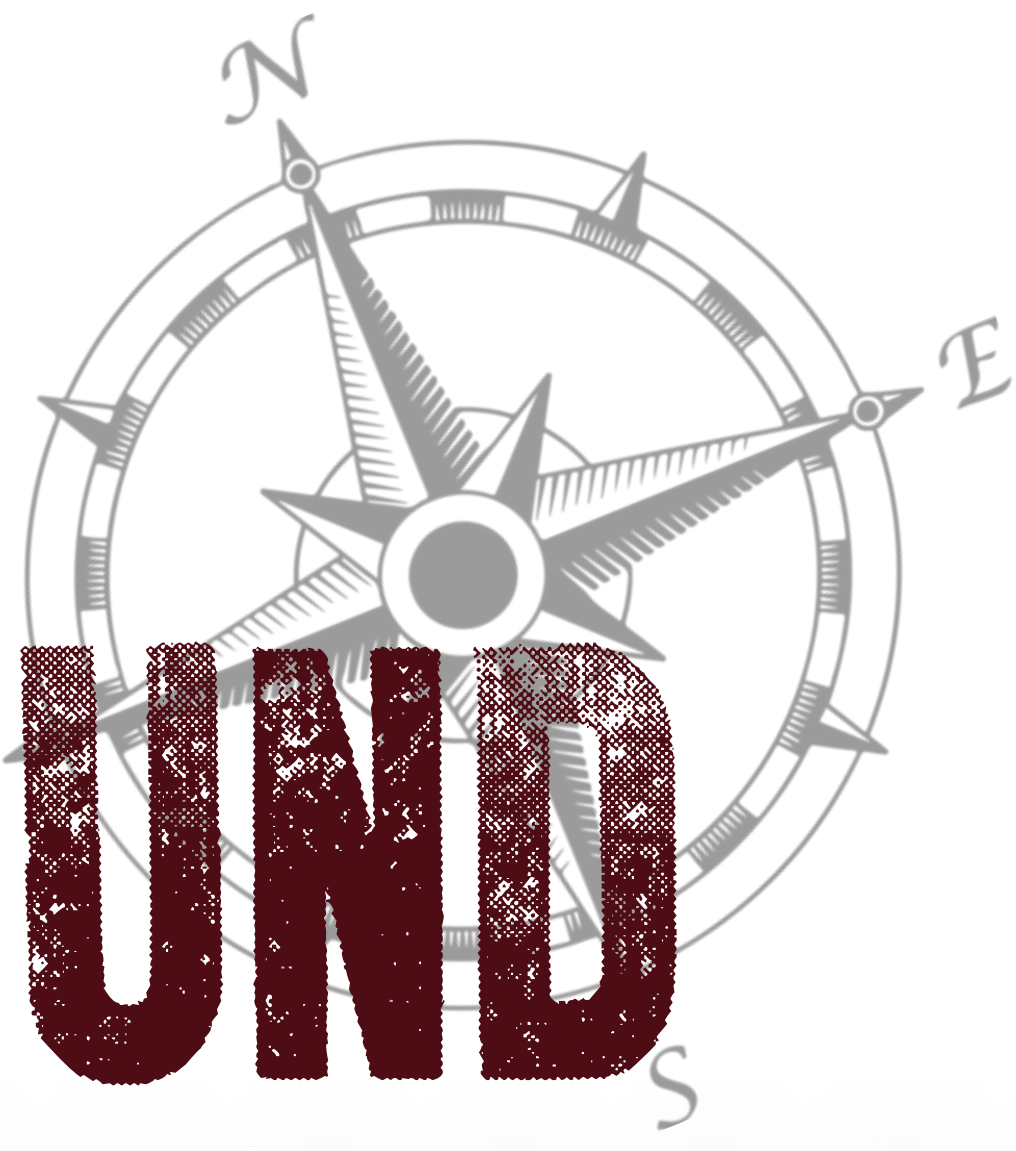
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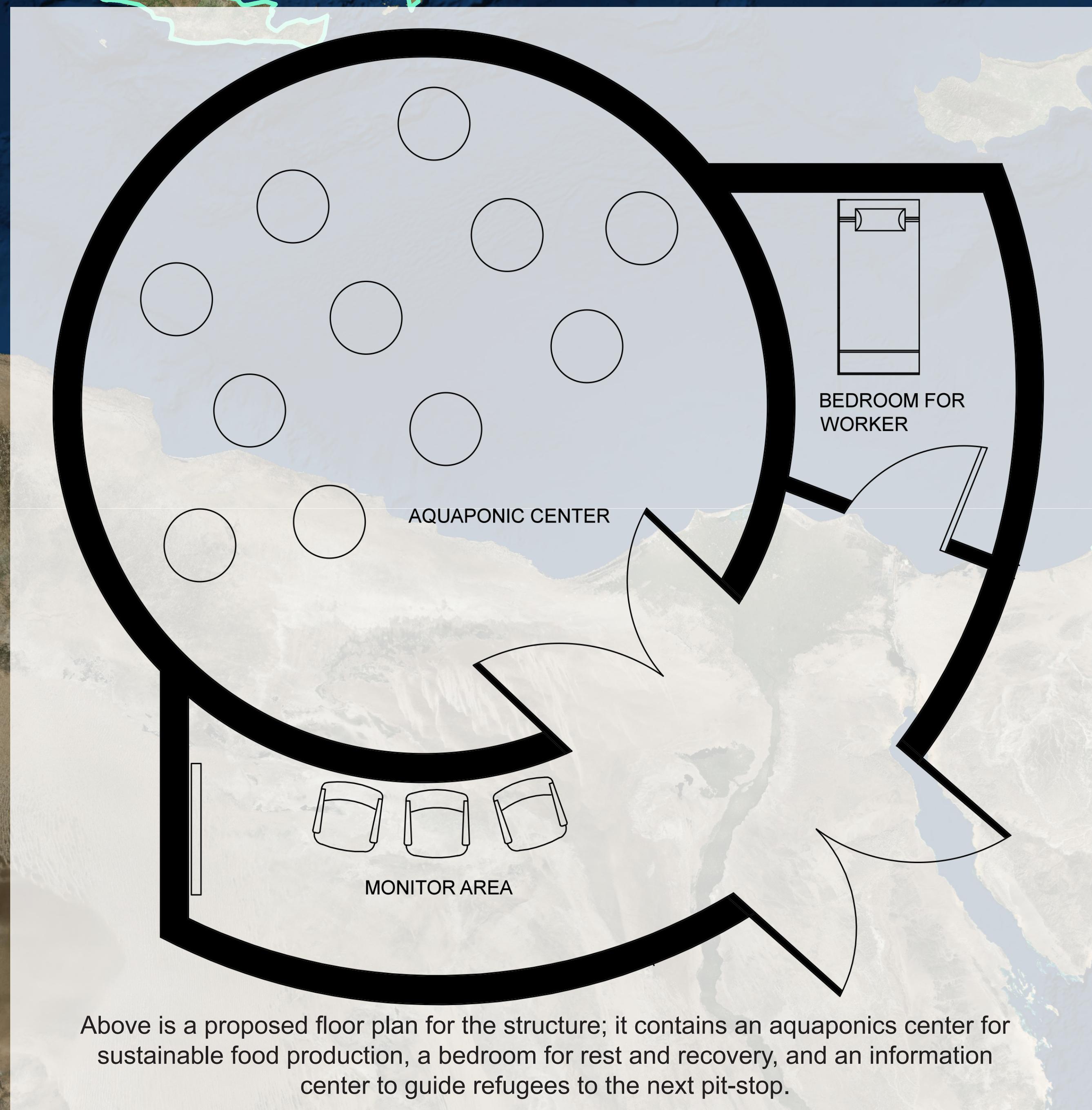
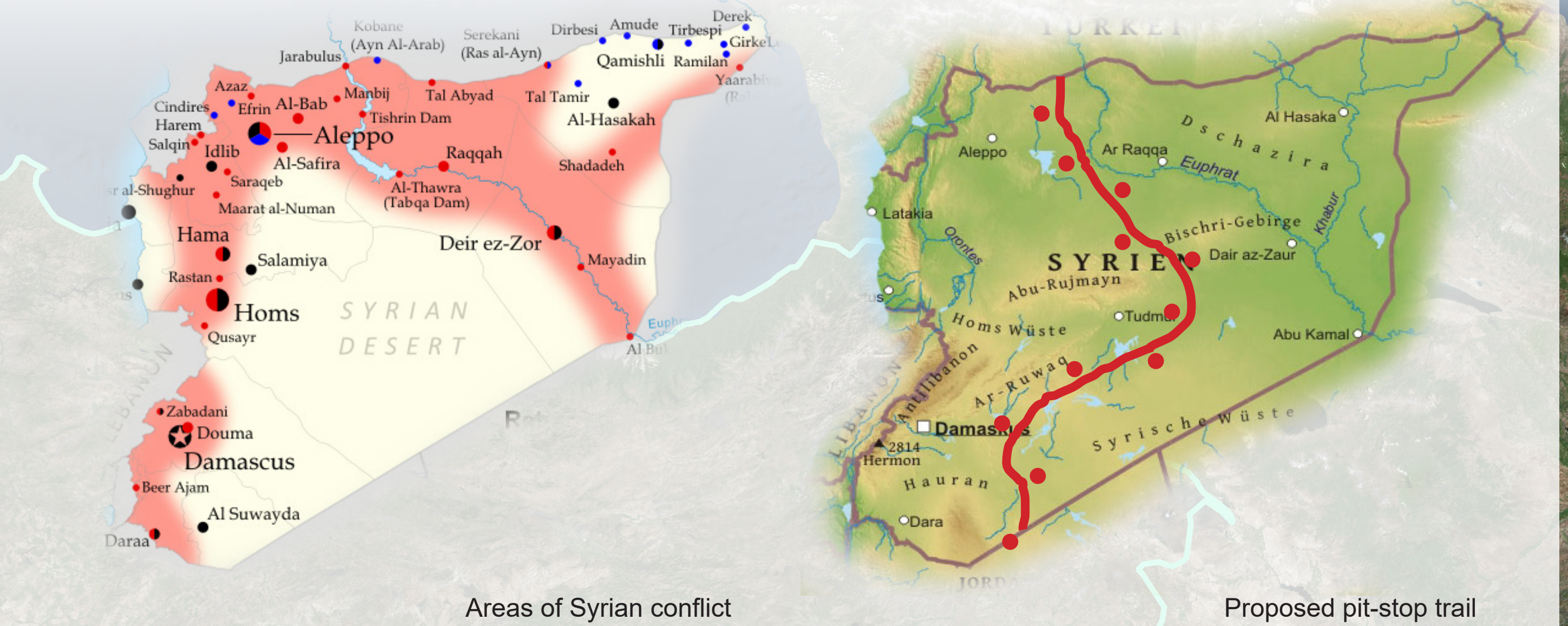
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MISSION SOUTHBOUND

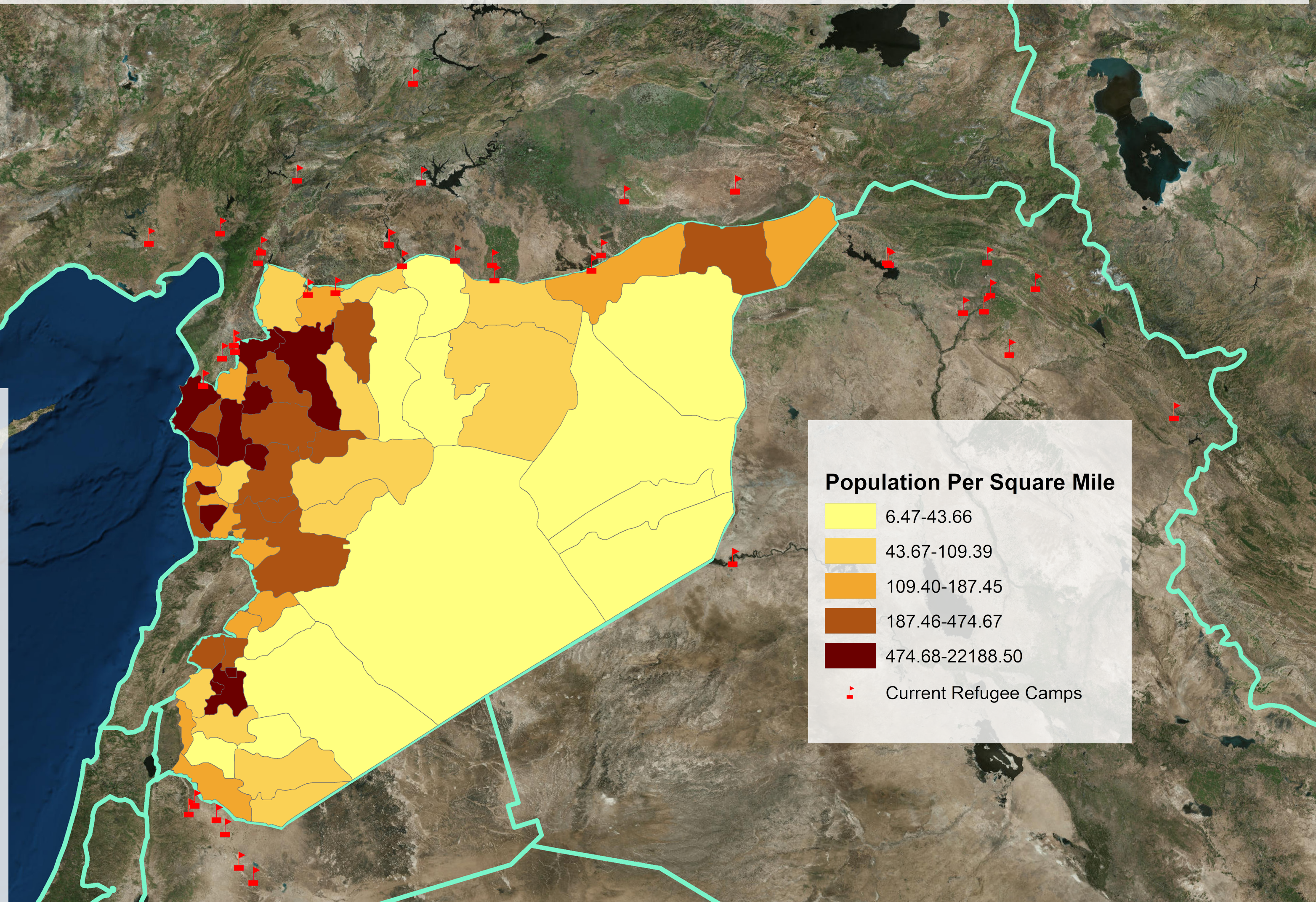


With limited access to food, water, and shelter, our proposal is to design small structures that will serve as “pit-stops” to protect Syrian refugees against the harsh climates of the less traveled escape routes. The structure will serve as a safe, healthy asylum away from active war areas and closer to safety in the south.

The conflict in Syria has created large areas of war and danger. However, the closest refugee camps require citizens to pass through these territories. Instead of risking their lives, the proposed trail of pit-stops will guide the migration south; away from war zones. Syrian people will now be able to safely trek through the desert; guided by periodic areas of resource and oasis.



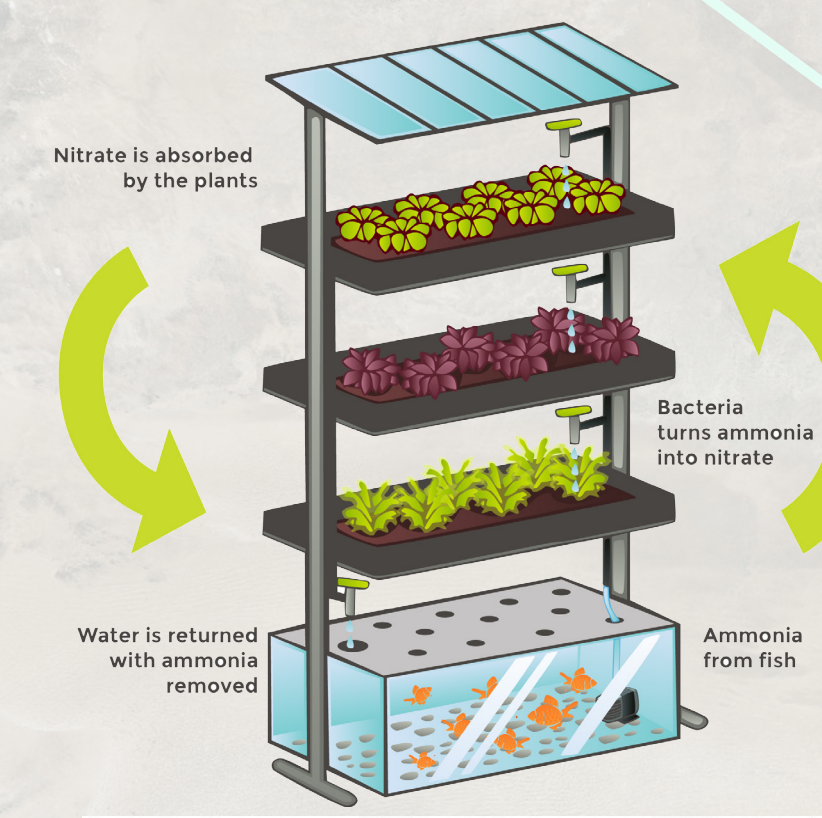
Above is a proposed floor plan for the structure; it contains an aquaponics center for sustainable food production, a bedroom for rest and recovery, and an information center to guide refugees to the next pit-stop.



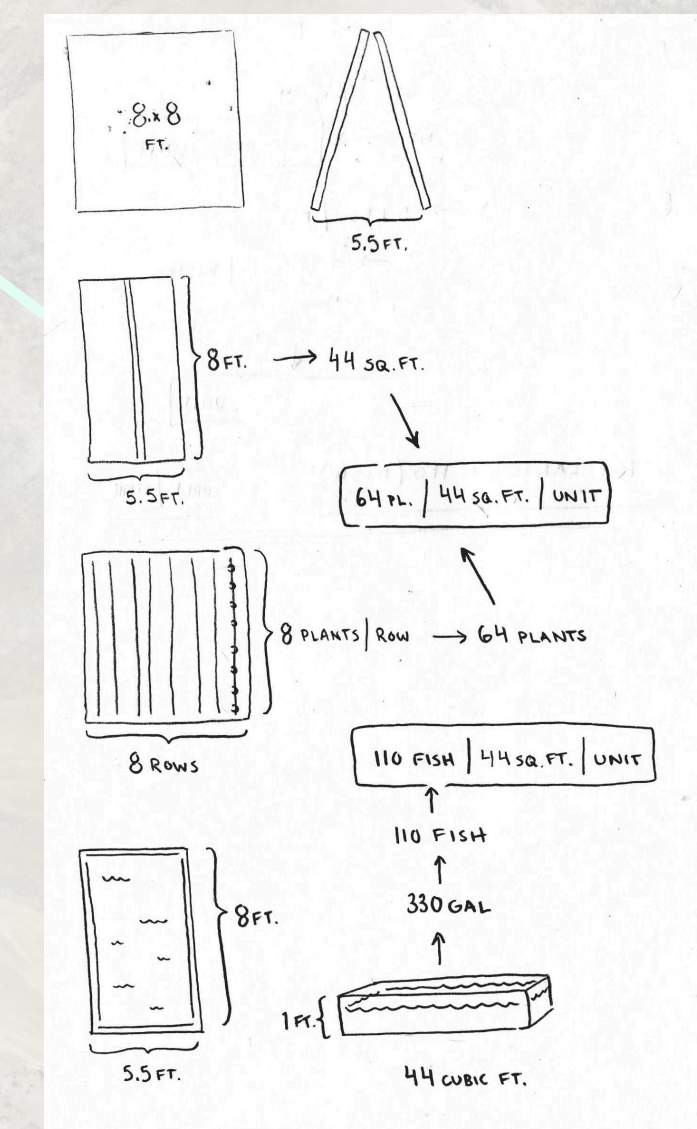
Our structure took inspiration from the Dymaxion House (below) in terms of its versatile space, cost-efficient structure, and endurance of form through time and harsh climate.



AQUAPONIC SYSTEM



KALE → 4 PLANTS / PERSON
 1 SFT. / PLANT → 16 PEOPLE / UNIT
 TILAPIA → 5 LBS. / FISH
 1 LB. / PERSON → 5 PEOPLE / FISH
 3 GAL. / FISH → 110 FISH / UNIT
 ↓
 110 PEOPLE / UNIT



16 (PLANTS) + 110 (FISH) = 116 PEOPLE / UNIT