

Events:

Day 1 - Added 3 drops of Ammonium Hydroxide to approximately 4 gallons of water, left outside

Day 13 - Added rock with layer of bacteria

Day 16 - Added ½ gallon of water

Day 22 - Aerated tank

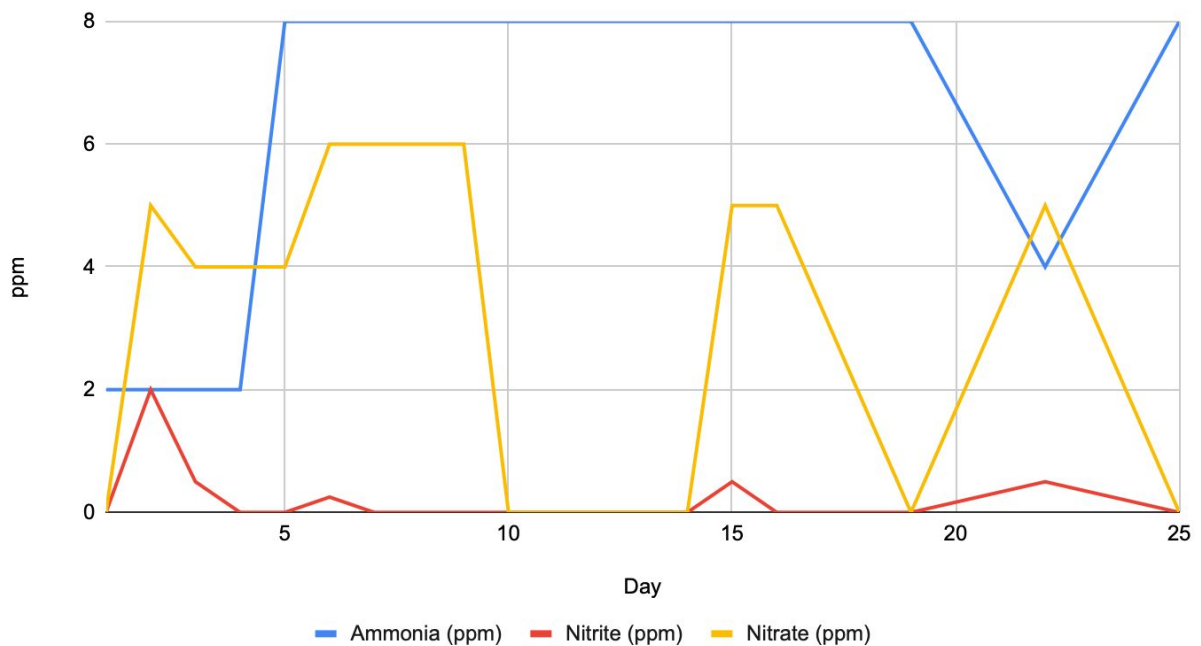
Tank Conditions:

Temperature dependent on outside temperature

Water not replaced

pH ~ 8.0

Nitrate Cycling Results



Result:

Tank conditions were not optimal for obtaining 0 ppm of ammonia and nitrites, and 40 ppm of nitrates.

Future Plan:

1. Use fish food or ammonium chloride rather than ammonium hydroxide to introduce ammonia into the tank system
2. Add way to aerate tank system
3. Add light or keep system in area where water temperature will remain between 70°F and 80°F
4. Repeat method for initial testing, replacing water when ammonia and/or nitrite levels are > 5 ppm