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Upon review of the referenced analysis, we advise as follows:

- The Silt Density Index (SDI) of the sample provided will need to be reduced to less than 100 μm in order to pass through our BDDE electrodes.
- For initial testing purposes this could be accomplished by passing the water (based upon the analysis provided) through a small scale separation process, such as a Geo-tube, into a testing tank.
- Our Lagoon Floater Unit will then cycle the water through the electrode, with the objective of producing “trout quality water” in combination with a natural nitrification approach.
- Note that the toxic ammonia element (NH_3) will be eliminated by the electrode.
- Ammonium levels (NH_4) of the sample are high. These levels can be reduced or eliminated in a combination with the effect of our BDDE electrodes plus a simple biological nitrification process - natural (preferred/inexpensive) or engineered.
- In production, a fractional separation process will be required to reduce the SDI in the object water supply.
- Overall, there is a clear path to producing trout quality water, given the above requirements.

Sincerely,



CEO

