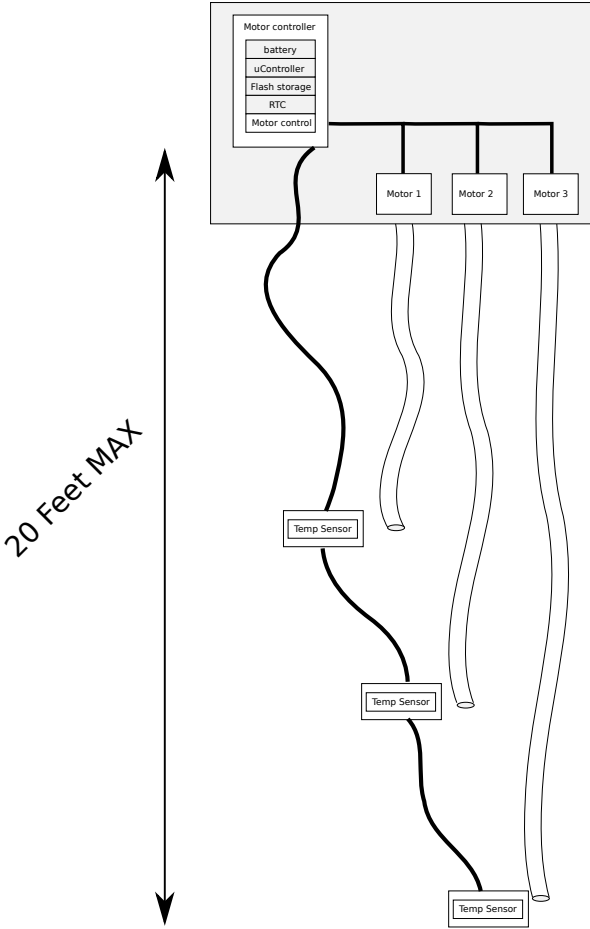Option A:

Use i2c cable
between sensors located
at water intakes

Option B:

Use independent
loggers at each
water intake

Option A diagram:

Motor controller
- battery
- uController
- Flash storage
- RTC
- Motor control

Motor 1 Motor 2 Motor 3

20 Feet MAX

Temp Sensor

Temp Sensor

Temp Sensor

Option B diagram:

Motor controller
- battery
- uController
- Flash storage
- RTC
- Motor control

Motor 1 Motor 2 Motor 3

(no length constraint)

Temp Logger
- battery
- uController
- Flash storage
- RTC
- Temp Sensor

Temp Logger
- battery
- uController
- Flash storage
- RTC
- Temp Sensor

Temp Logger
- battery
- uController
- Flash storage
- RTC
- Temp Sensor