

Site: Lake Wingra

Date: 2022-06-29

Time zone: America/Chicago

Crew: LL, AG, MP

Elevation (m): 258

Atm pressure: 740

Data folder name (YYYY-MM-DD SiteName):

Conditions: sunny / calm

Components (names, serial numbers, description)

Datalogger: UNR CR6

GPS: UNR Park

EXO: Bart

SUNA: UNR

LGR: ~~✓~~ LGR-3

Denth: Ech

Pump: 3 GPM

Operating pressure: 20 PST

Flow rates: 3 0.35

System notes (other sensors?):

Flame intervals: Note when data are good. Exclude times when pump is off, system is malfunctioning, sampling atmosphere, etc.

Discrete samples. Record sample time, number/name, and description. Let flame stabilize for at least 2 min, then record time. One min of flame data (HH:MM:00 to HH:MM:59) will be averaged and linked with sample. Make sure flame is running and stable for that minute. Avoid moving boat.

Sample number	Sample time* (HH:MM)	Notes/description
Site 1 01	0953	Deep Hole / Side 1
Dam 02	10 09	Dam Outlet
Side 6 03	10 22	Site 6 - Arb Roof
	04 10 33	Arb Drive SE corner
Site 7 05	11 02	New site 7
	06 11 19	Gas spill / grass sharp

Atmosphere samples: Disconnect gas lines from sprayer and sample atmosphere. Turn off boat motor. This will be during a flame off interval. Similar to above 1 min of sensor data will be averaged (HH:MM:00 to HH:MM:59).

Sample number	Sample time* (HH:MM)	Notes/description (CO2, CH4 values?)
07	1136	Site 2 Lily pads
08	1143	Shallow Buoy site 3
09	1150	Buoy 2
10	1156	Site 4
11	1211	Edge wood dock west
12	1219	Site 8

Notes:

**All times in 24 hour format in time zone above*

- boat issues around 11:00 (choke)
 - lots of macrophytes
 - occasional pump clogging
 - EXO horizontal