NEON GENERAL AQU & GAG FIELD DATASHEET

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See configuration management system for approval history.

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Change Record

REVISION	DATE	ECO #	DESCRIPTION OF CHANGE
A	05/05/2014	ECO-01822	Initial Release
B	08/12/2015	ECO-03166	Added wind descriptors for clarity
C	04/04/2017	ECO-04582	Updated to match Fulcrum application
D	06/09/2021	ECO-06627	Added GAG hydrologic condition fields
E	03/22/2022	ECO-06793	• Added NEON to document title • Minor formatting updates

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1 DESCRIPTION

Datasheet for the Fulcrum Application (AOS) Field Metadata and Gauge Height.

1.1 Purpose

Collection of general site characterization data is imperative to basic observational science. In the event of electronic failure, paper datasheets are critical to successful data collection.

1.2 Scope

This datasheet encompasses the AQU Metadata Fulcrum Application. Field scientists must carry paper datasheets for all scheduled protocols.

2 RELATED DOCUMENTS AND ACRONYMS

2.1 Applicable Documents

Applicable documents contain information that shall be applied in the current document. Examples are higher level requirements documents, standards, rules and regulations.

AD [01]	NEON.DOC.005277	GAG Aquatic Staff Gauge Measurement Readings

2.2 Reference Documents

Reference documents contain information complementing, explaining, detailing, or otherwise supporting the information included in the current document.

RD [01]	NEON.DOC.000008	NEON Acronym List
RD [02]	NEON.DOC.000243	NEON Glossary of Terms

3 DATASHEET

3.1 Printable Single-page Datasheet

AOS Field Metadata and Gauge Height

Domain ID: _____

Site ID: _____ **Date (YYYYMMDD):** _____

Arrival Time (HH:MM): _____ **Departure Time (HH:MM):** _____

Collected by: _____ **Recorded by:** _____

Sampling Impractical? Dry Frozen Snow Covered Other (required description in remarks)

Stage Height (m) Record to nearest 0.005 m

Initial stage: _____ Final stage: _____

Temporary Hydrologic Condition – Gauge:

None LWD Sediment Litter Jam Beaver Dam Anchor Ice Border Ice Sheet Ice In Channel Veg Other

Temporary Hydrologic Condition – DSC Transect:

None LWD Sediment Litter Jam Beaver Dam Anchor Ice Border Ice Sheet Ice In Channel Veg Other

Discharge collection method: Handheld Flowmeter ADCP

Weather

Ice Present on Water Surface? YES NO

Rain in the Previous 48 Hours? YES NO

Wind Description:

0 – calm (< 1mph)
1 – light air (1 – 3mph)
2 – light breeze (4 – 7mph)
3 – gentle breeze (8 – 12mph)
4 – moderate breeze (13 – 18mph)
5 – fresh breeze (19 – 24mph)
6 – strong breeze (25 – 31mph)
7 – near gale (32 – 38mph)
8 – gale (39 – 46mph)
9 – strong gale (47 – 54mph)
10 – storm (55 – 63mph)
11 – violent storm (64 – 72mph)
12 – hurricane (> 72mph)

Cloud Cover: Clear (< 5%) Partly Cloudy (25%) Partly Cloudy (50%) Partly Cloudy (75%) Overcast

Precipitation: None Mist/Fog Light Rain Rain Heavy Rain Sleet Snow

Water Clarity: Clear Cloudy Opaque

Water Color: Colorless Blue Green Brown Gray

Riparian Phenology: No Leaves Breaking Buds Increasing Leaf Size Leaves Colored Leaves Falling Leaves

Post Fieldwork Observations

Algae?: Heavy Present Absent

Macrophytes?: Heavy Present Absent

Leaf Litter?: Heavy Present Absent

Pollen?: Heavy Present Absent

Woody Debris?: Heavy Present Absent

Oils?: Heavy Present Absent

Trash?: Heavy Present Absent

General Comments