Appendix 24D
Sound Level Measurement Field Data Sheets

This appendix contains field notes from each sound level measurement location used in the analysis presented in Chapter 24, *Noise and Vibration*. Field notes collected include weather information and sources of noise observed during meter installation. Due to the length and complexity of this information, and in an effort to maintain the readability of Chapter 24, this information is presented in an appendix.

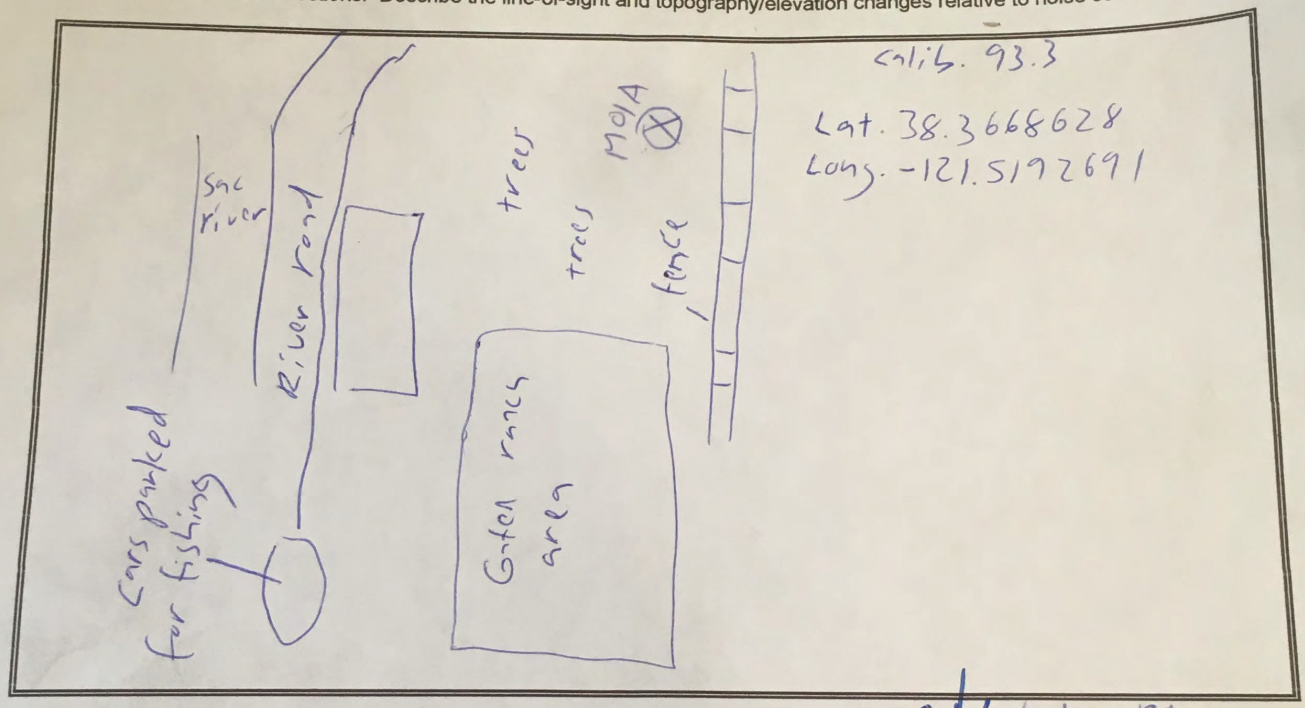
#3

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance
SITE NUMBER: #M02A
LOCATION/ADDRESS: M02A, Hood

PROJECT #:
DATE/TIME: 10/20/20 11:16 AM
ENGINEERS: Devin Jolcarst, C. Vaclavik

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity) Cable locks - PAST DENY TOTS combo: 2020

clear, sunny, 76°F, lo to no wind

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date) 4 III

Piccolo I - #6, calib 93.3

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

10/20/20

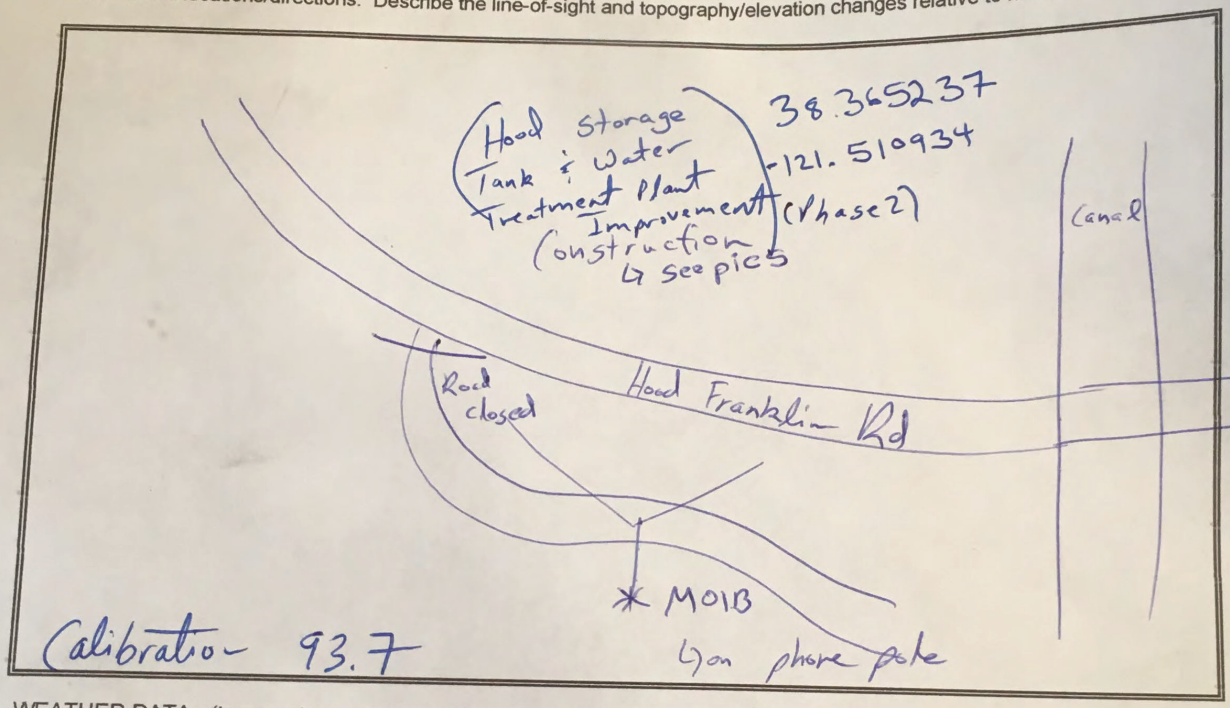
Arrived @ 11:00 AM Rec 100 → Calibrate 94.5

#4

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance
SITE NUMBER: MO1B
LOCATION/ADDRESS: Hood, Sacramento Co
PROJECT #:
DATE/TIME: 12:00 10/20/20
ENGINEERS: C. Vukelumis, D. JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

~ 80 F, clear skies, very minor breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date) → scratched in on lock

Piccolo I #9; New combo lock (2021)(II); LULL - cable lock code
CAL200 SN 4594 → calibrator

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

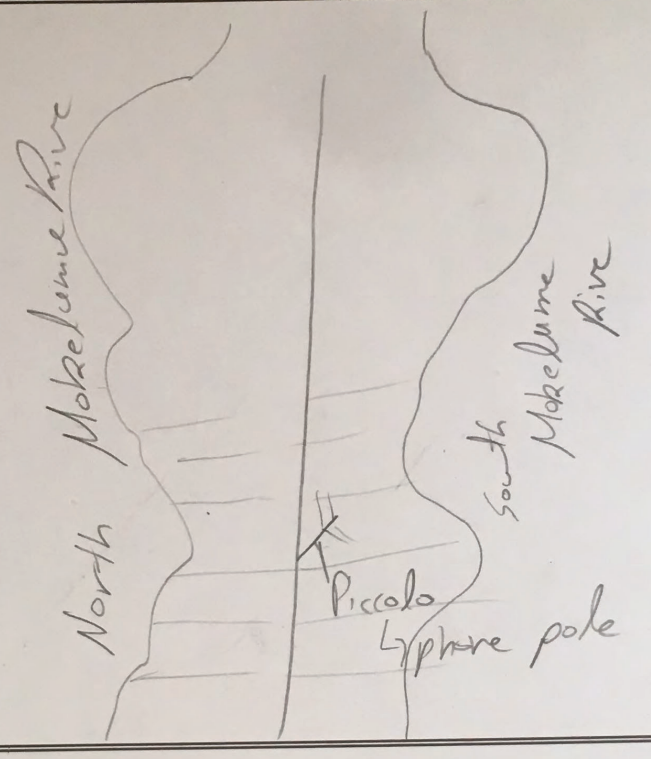
~~Removed @ 8:50 AM~~
~~Rec 97~~ ~~Rec 98~~ ~~94.4 → calibration~~
10/~~22~~20 @ 11:26
Rec 107; Calibration 94.2

NOISE MEASUREMENT SITE INFORMATION SHEET

Take down 1:30 pm 12/17/20

PROJECT NAME: DELTA CONVEYANCE
PROJECT #: 00042.20
SITE NUMBER: M03 - Staten Island
DATE/TIME: 12/15/20; installed @ 14:02
LOCATION/ADDRESS: 38.173618, -121.5 11965
ENGINEERS: JOKERST, VURLUMIS

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



Notes

- Birds stirred debating climate change
- flooded field: W
  - canal parallels road to W
- dry harvested field: E
- 3 trucks passed during install
- Plane overhead

WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

54°F, cloudy, little to no breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo I - #6 (0018); cali @ 94.0, combo lock 18: 1970

cable lock: PAST?
- tag missing

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: 25

COMMENTS:

TRAFFIC COUNTS:

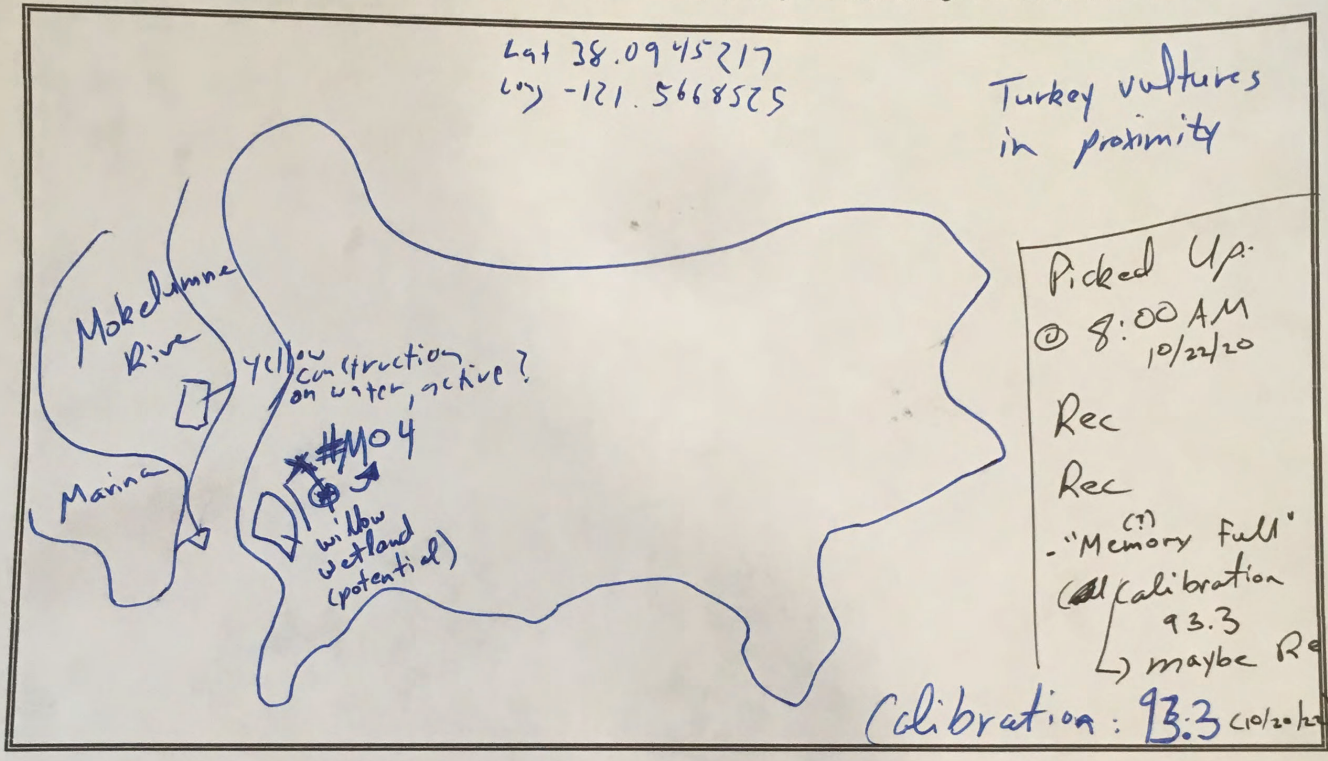
Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT SITE INFORMATION SHEET

#2

PROJECT NAME: Delta Conveyance
SITE NUMBER: #M04
LOCATION/ADDRESS: Bouldin Isl, San Joaquin R Island
PROJECT #:
DATE/TIME: 10/20/20 9:15
ENGINEERS: C. Vurlumis; D. JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

low to no wind; ~ 65 F

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date) Purple lock-WAND

Piccolo II (A) 1203; lock (newly opened "xyz"; Fastened key to combo 14A) → combo set: 2020

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

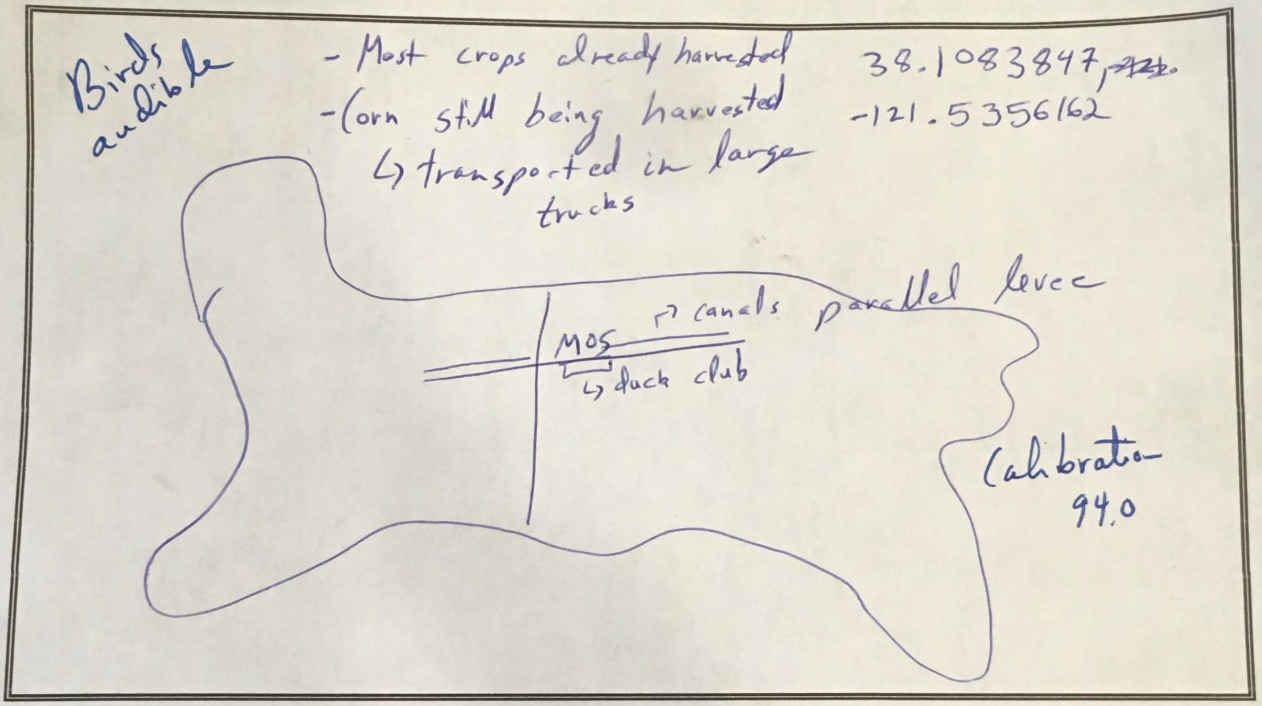
↳ XYZ doesn't fit in bird cage; used lock R1042 → Need combo

#1

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance
SITE NUMBER: MOS
LOCATION/ADDRESS: San Joaquin Co. Boulding Isl
PROJECT #:
DATE/TIME: 10/20/20 ~ 8:30
ENGINEERS: C. Vurtumis; D. Wolker ST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

low wind; ~65F°

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo I #8 (4007); 24 3820 → lock combo (#2) (combo lock) purple lock - MANE
CAL200 S/N 4594 → calibrator

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

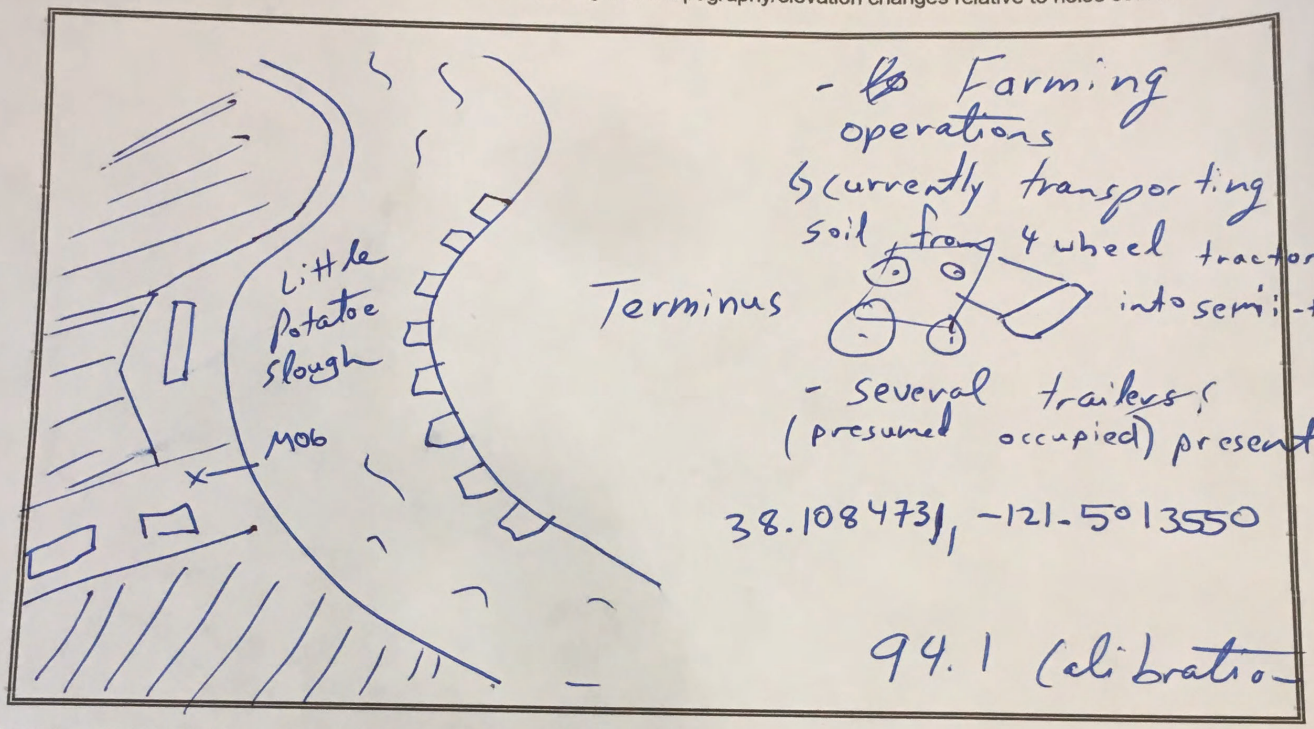
Collected @ 7:15 am 10/22/20
Rec 103 → Calibrate: Rec 104: 94.4 @ 10 sec

#5

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance
SITE NUMBER: M06
LOCATION/ADDRESS: Bouldin Island
PROJECT #:
DATE/TIME: 2:05 10/20/20
ENGINEERS: C. Vurlumis, D. JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

Piccolo I #7; cable lock; blue

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

97 F, hazy skies

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Removed @ 8:50 AM 10/22/20

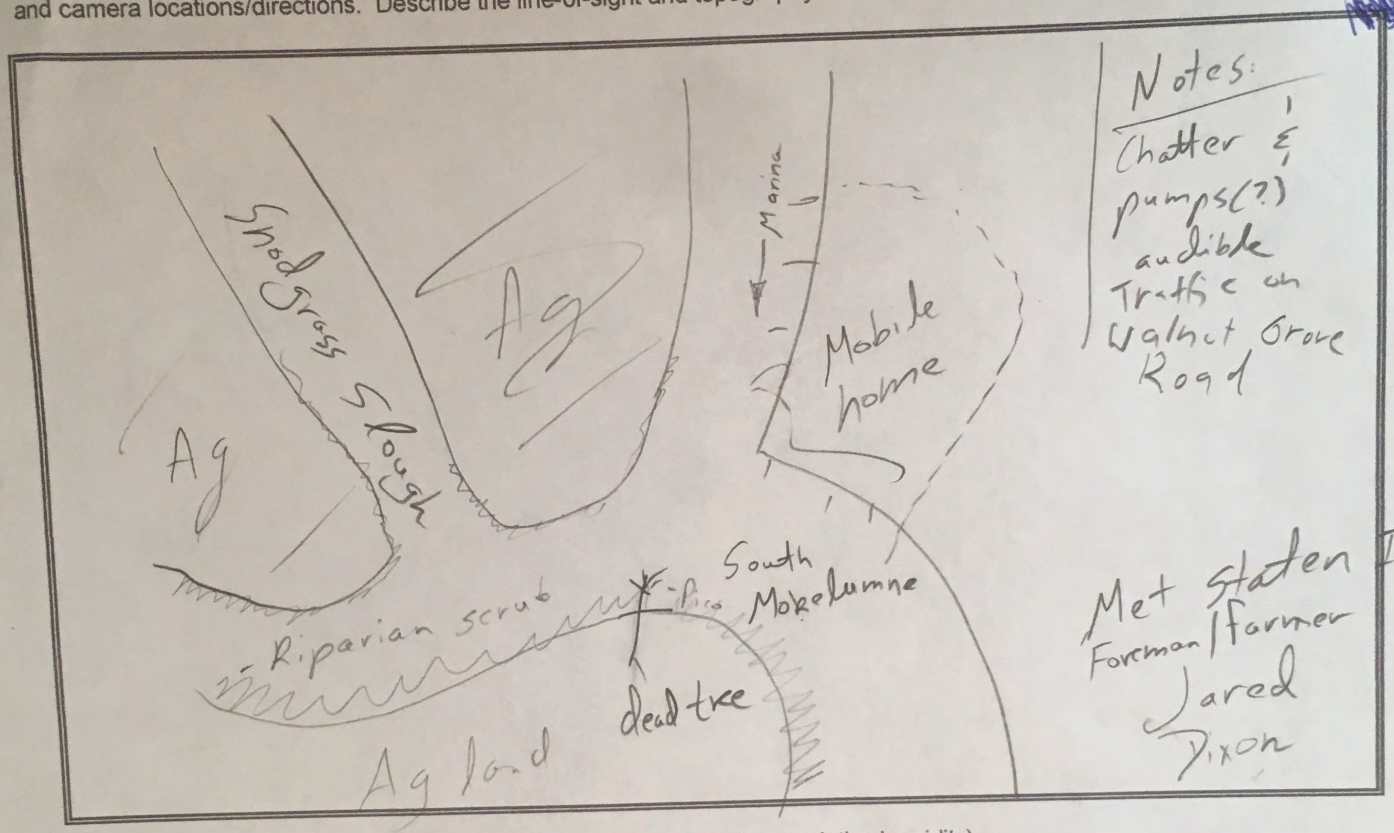
Rec 97 > Rec 98 : 94.4

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: DELTA CONVEYANCE
PROJECT #: 00040.20
SITE NUMBER: C16a Staten Island
DATE/TIME: 12/15/20; installed at 13:07
LOCATION/ADDRESS: 38.227383, -121.493649
ENGINEERS: VURLUMIS; JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.

Taken down 12:55 pm 12/17



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

54°F cloud cover/overcast, slight breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo II S-E: 2502, Loeb #15 (2020), Cali 94.1

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS: _____

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Cable Lock → DENY
Gold Lock - 2020

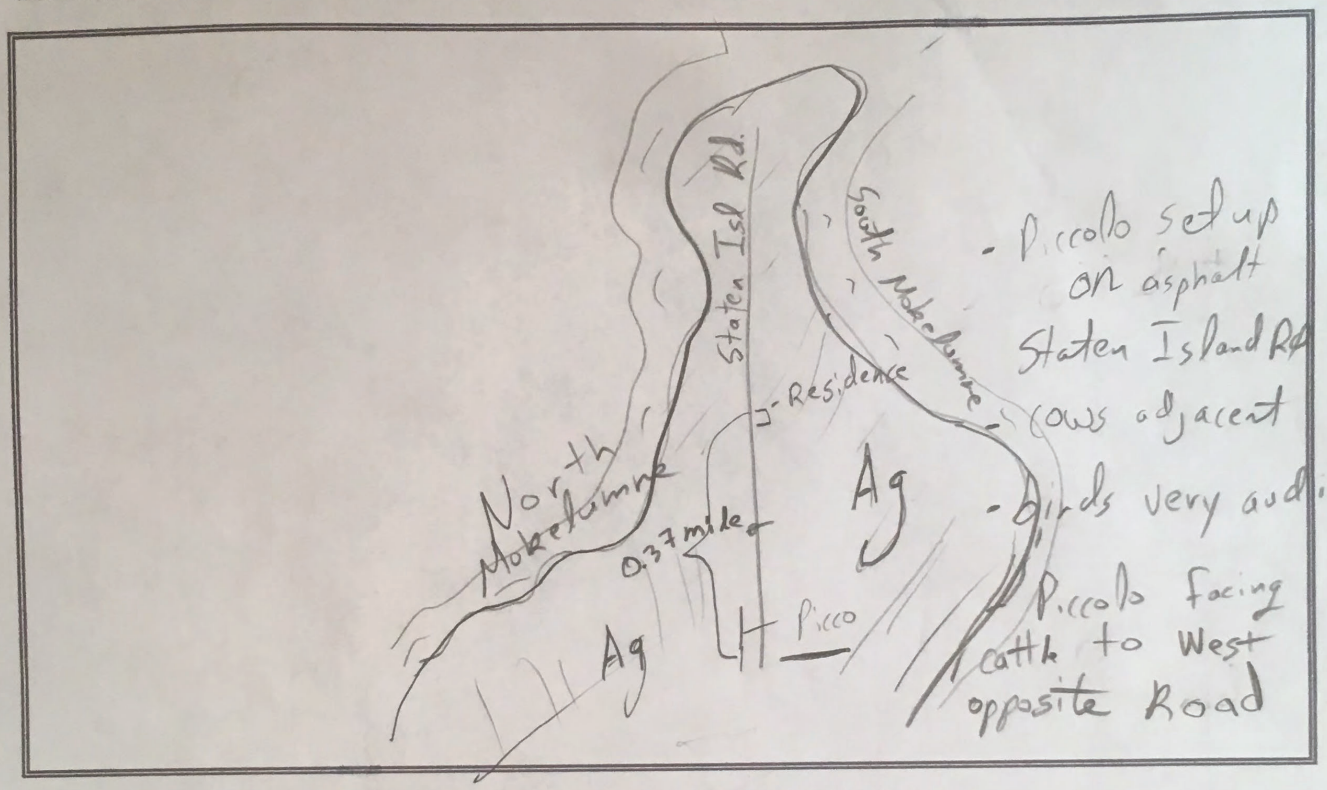
pick up 1:15 pm 12/17/20

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: DELTA CONVEYANCE
SITE NUMBER: C18 - Staten Island
LOCATION/ADDRESS: 38.196437°, -121.506215°

PROJECT #: 00040.20
DATE/TIME: 12/15/20 ~ 13:50 insta 11 time
ENGINEERS: VARIUM #5, JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

54°F, cloudy, slight breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo IS-B (2105); Cal @ 94.0; Combo lock #10: 5.16.22

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: 25 mph COMMENTS:

TRAFFIC COUNTS:

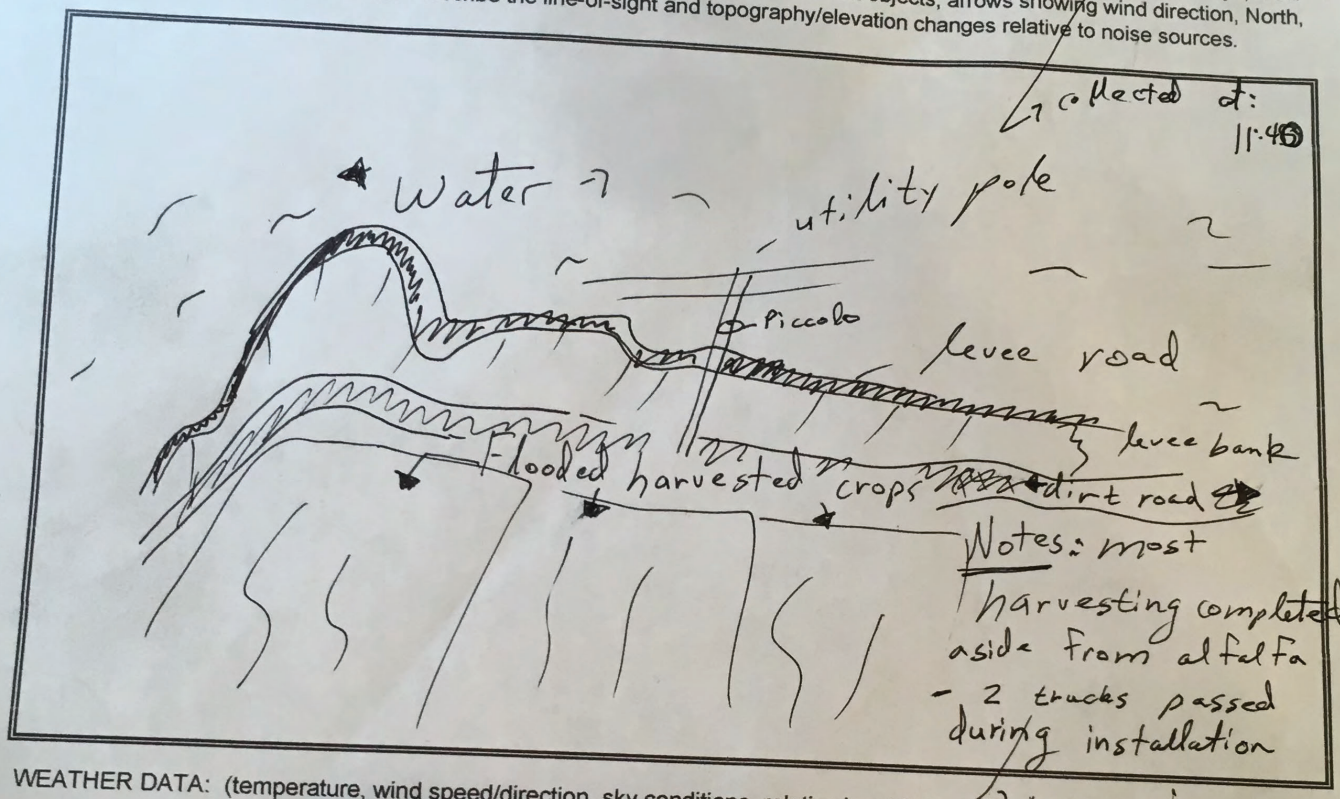
Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Cable lock: 50RT

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance
SITE NUMBER: C20
LOCATION/ADDRESS: North Bacon Island
PROJECT #: 00040.20
DATE/TIME: 12/1/20; Installed at: 10:54 AM
ENGINEERS: Vurlumis / Jokerst

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)
~ 58°F
clear skies, slight breeze birds a chirping

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)
Piccolo I #9 (4008); calibration 94.0

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS:

TRAFFIC COUNTS:

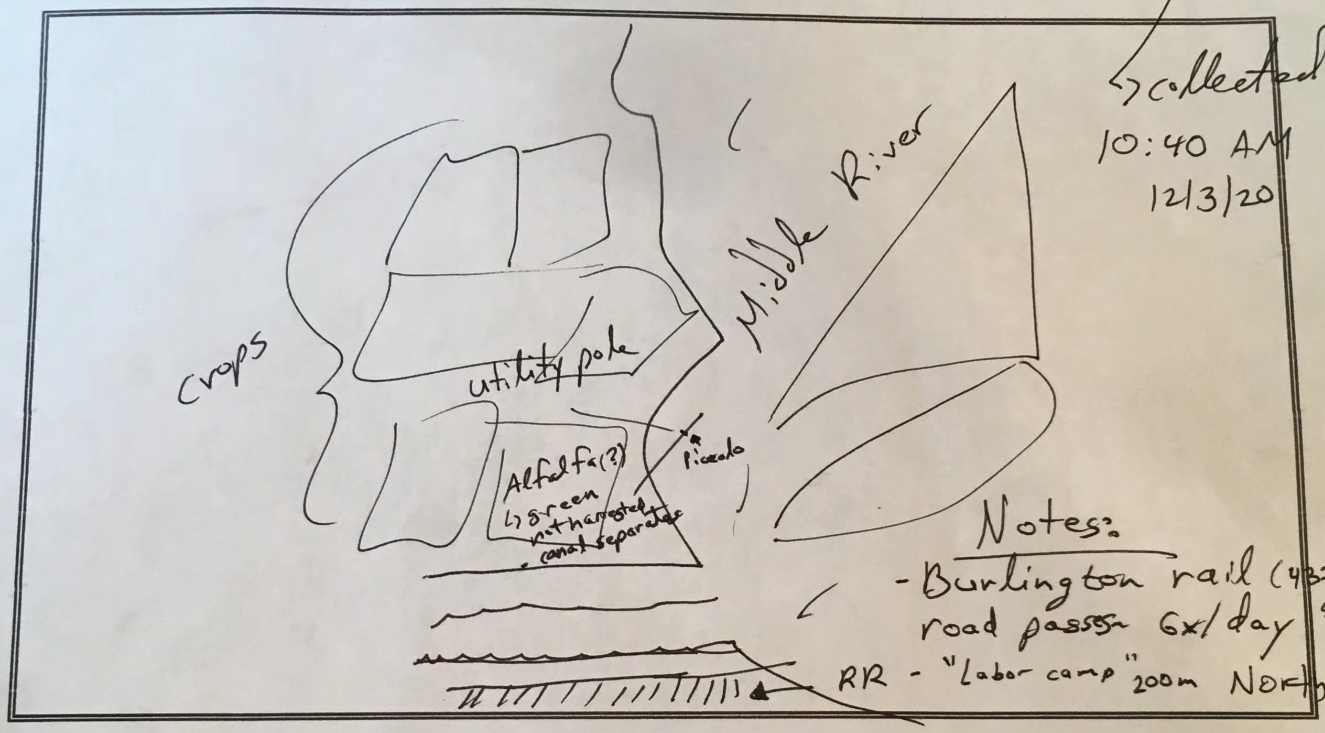
Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

combo lock #6 1970; cable lock LULL

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance Project PROJECT #: 00040.20 ↱ installed at:
SITE NUMBER: L22 DATE/TIME: 12/1/20 11:32 AM
LOCATION/ADDRESS: 37.943365, -121.5342013 ENGINEERS: Vurlumis, Jokerst

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



↳ collected at: 10:40 AM 12/3/20

WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

59°F, clear skies, no breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo #6 (00188); calibrated at 94.1

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction) _____

POSTED SPEED: _____ COMMENTS: _____

TRAFFIC COUNTS:

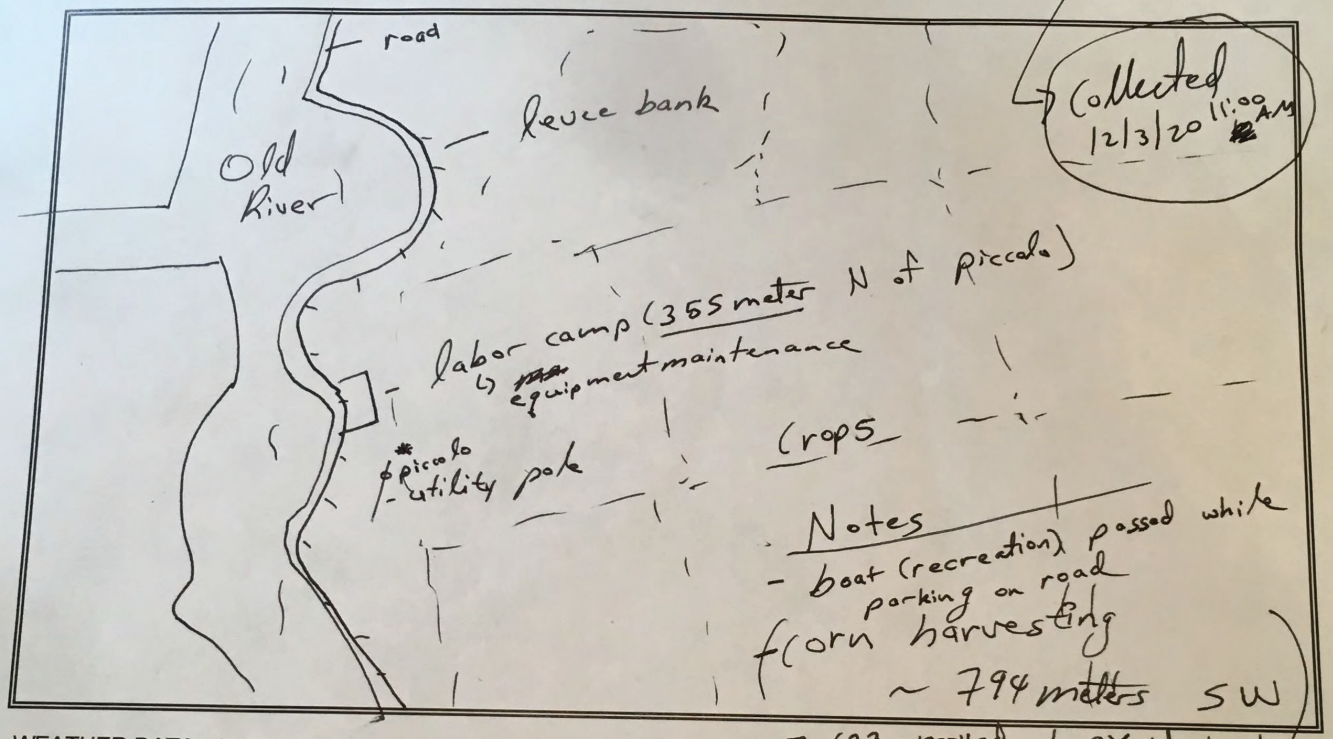
Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Combo #10; 6 1622 ; lock

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Delta Conveyance Project
PROJECT #: 00040.20
SITE NUMBER: C23 - revised location
DATE/TIME: 12/1/20 ; Installed at: 12:15
LOCATION/ADDRESS: 37.965308°, -121.571040°
ENGINEERS: Vurlumis, Okerst

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

59°F, clear skies, light breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo #8 (4007) ; calibrated at 94.1

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS: _____

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Lock 17 25 38 20

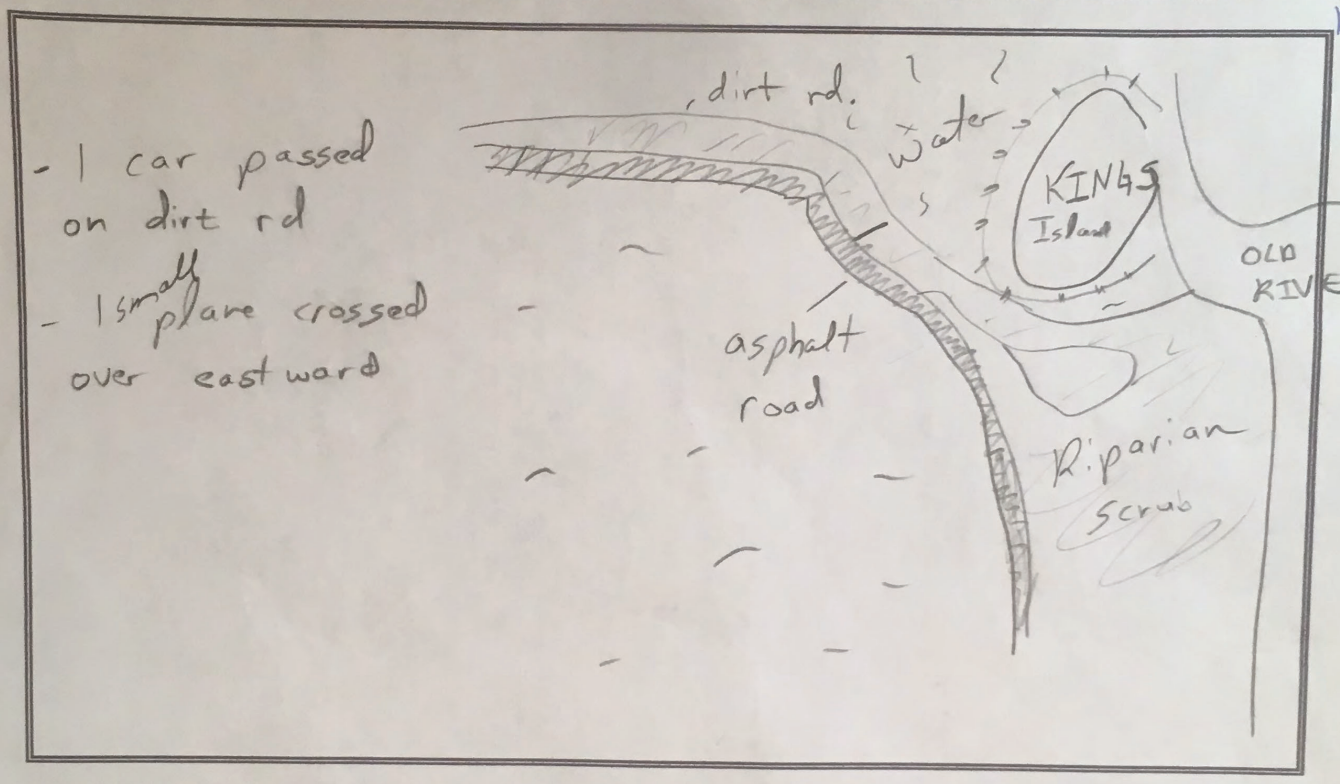
NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: DELTA CONVEYANCE
SITE NUMBER: 537 Clifton Court
LOCATION/ADDRESS: 37.8564959, -121.5689497

PROJECT #: 00040.20
DATE/TIME: 12/15/20 ; Installed at 10:30
ENGINEERS: VURLUMIS; JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.

Taken down 11:10 AM 12/17



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

52°F, ~80% cloud cover; mourning dove still grieving

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo II S-A (2101); Cali ~ 93.9;

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Lock #7: 1970 ; cable lock: WAND

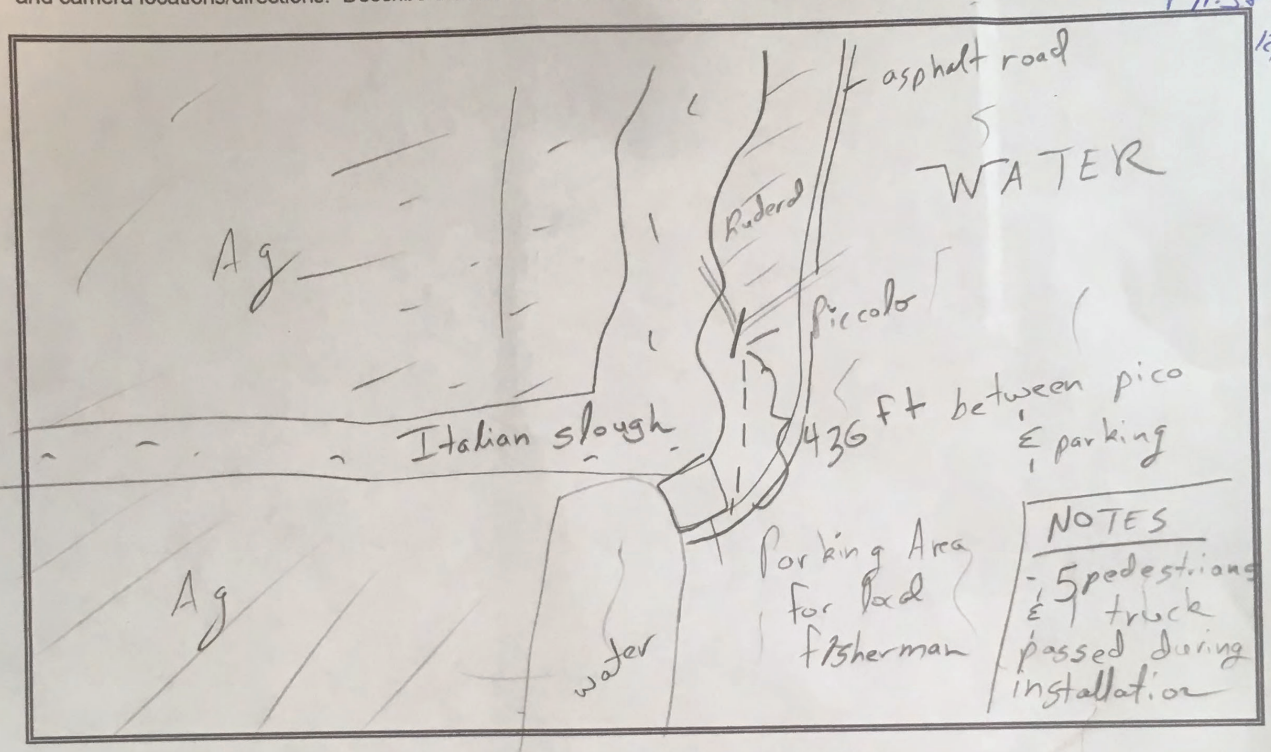
NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: DELTA CONVEYANCE
SITE NUMBER: S37A Clifton Court
LOCATION/ADDRESS: 37.838 2245; -121.5913220

PROJECT #: 00040.20
DATE/TIME: 12/15/20; installed at: 11:20
ENGINEERS: VORLUM/S; JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.

picked up 11:38 AM 12/17/20



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

54°F; 65% cloud cover, slight breeze

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo II A-1203; Cal: 93.6;

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction) _____

POSTED SPEED: _____ COMMENTS: _____

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

Lock #6: 1970; Cable Lock: MANE

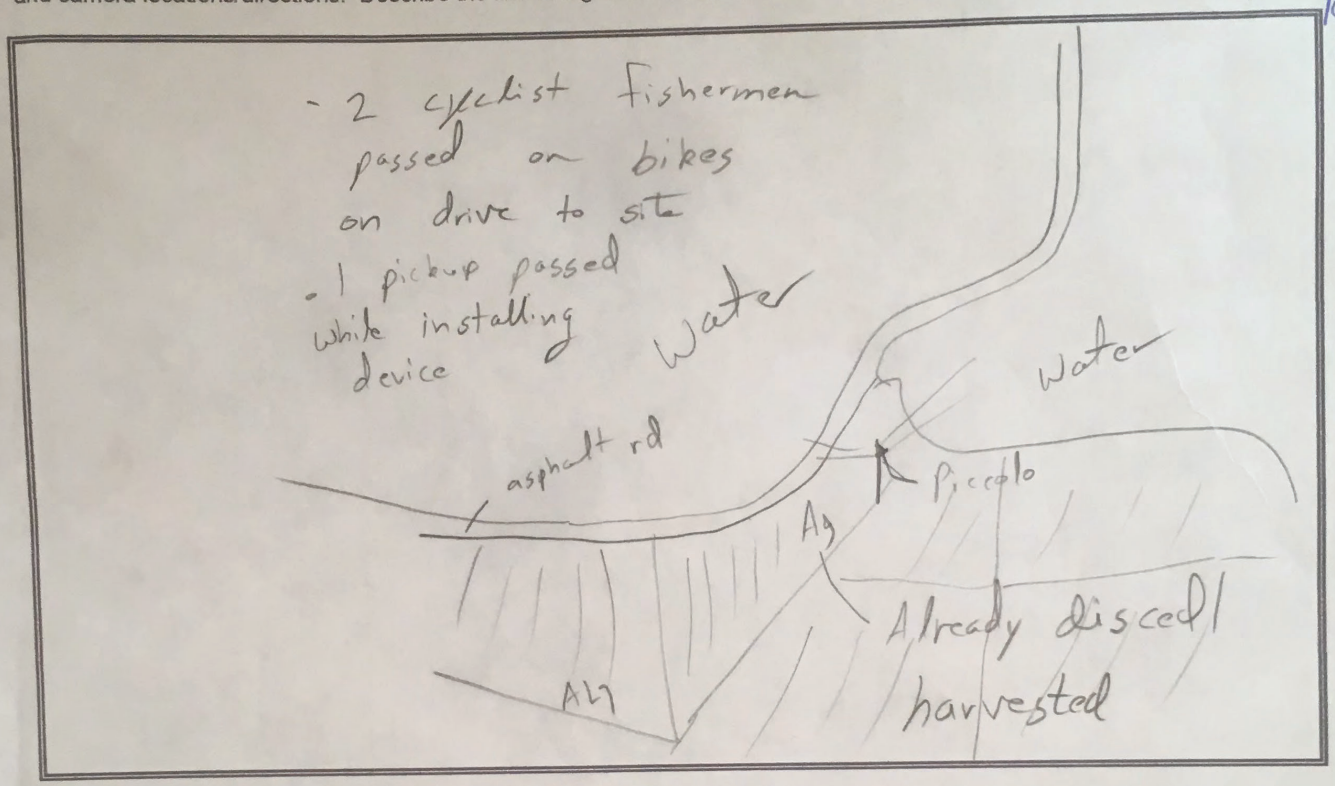
NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: DELTA CONVEYANCE PROJECT #: 00040.20

SITE NUMBER: 538A DATE/TIME: 12/15/20 ; installed @ 10:05

LOCATION/ADDRESS: 37.8284337, -121.557789 ENGINEERS: VURLUNIS ; JOKERST

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources. pick up 10:55 AM 12/17



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

50° F, minor breeze,

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

Piccolo II SD 2602 ((al ~ 93.8) ; ~ 60% hazy cloud cover ; birds debating electoral college

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: _____ COMMENTS: _____

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

combo cable: LDLL ; combo padlock: 2021 #16