

Harles  
6/10/14 - 10/28/15



*Rite in the Rain®*

ALL-WEATHER

**GEOLOGICAL  
FIELD BOOK**

Nº 540F



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Location Spring Creek Date 6/10/14

Project / Client \_\_\_\_\_

Spring Creek - download 5/6/14 - 6/10/14

with Tom, Jenny, Chris, Katie

1. connect<sup>to</sup> Serial port to USB
2. Kickstart switch - KS ON
3. ACM Pro → Configure → check Instrument
4. → Retrieve Data (Program reads)

Scans to read = 839 (retrieve memory window)

5. Drop down → save as → SC10 - Falmouth  
050614 - 061014

- save under desktop

6. Click download ~~SW~~

- Data good 5/6/14 - Today

Battery check #12.4 changed to New

Batt at 12.66 → Close program

1. loosen neg and pos → disconnect neg/pos  
    Yellow - Red

2. New Batt connected - checked voltage

3. LOCK Batt → mindful of pos/neg ends

Deployment - after powered down

1. ACM Pro → Configure → check Instrument  
    - Serial checks
2. ~~Run~~ <sup>SW</sup> Configure → Configure Instrument  
    window check

Time → Delayed Date → 6/10/14

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

- Stat → method of deployment: delayed

3. Run Instrument → Deploy → YES  
    → Mem (erasing memory)

4. Operating Mode: Delayed

5. Check deployment summary  
    Run-Time Config → check

- Deployed Hourly - Got Deploy Confirmation
- check delay 3 Time in deploy mode

Download w/ Tom, Chris, Jenny  
Tree Anchor pt for cables  
observe area for snakes, wasps, etc.

1. laptop → connect serial to USB
2. KS ON → might have Batt<sup>3</sup> download issue
3. ACMPRO v.5
4. Configure → check instrument
5. Retrieve Data
6. Scans: 838

- strap was unattached? KS on

7. Browse - Save - Revell\_140506-140610 <sup>kw</sup> File type .dat  
- Voltage DC (Direct Current) on 20 (2 decimal places)
8. Check batt.

Range 13 → 12

New batt: 12.57

Change old batt (12.1) Δ to new batt 12.57

9. Check data file for errors

- turn on 5 minutes to the hr (too close  
to hr mark wait!) - wait 10 min after  
hr mark

10. Disconnect close out software

- replace batt is same orientation

11. Change batt

- Data good: 06/10/14

12. - ACMPRO → check instrument → check  
- configure → configure inst.

New window (7 tabs) - ~~GO~~ Through tabs  
USER AD Channel / 2 - NOT Checked

- avg interval - 5

- current record length = 99

→ Statistics = Delayed

13. Run <sup>kw</sup> inst. → Deploy → Yes to erase

14. Select Operating Mode - Delayed

15. Read Deployment Summary.

✓ Got deployment confirmation: checked  
date & time

16. Silicone grease serial connection

Location SUW BASIN

Date

7/29/14

Project / Client

- Tom, Sara Smith, & I
- Left FGS at 9am → Warehouse
- Warehouse to pick up boat - left at 10:12am
- Picked up Anchor Rope to Tie down boat to trailer (Walmart) - 10:40
- 1:49pm - Leaving Jacks Boats & Trailers
- Purchased: Battery, Tanks, hoses, fittings, Straps
- Arrive at Lafayette Blue Springs State Park - 2:30pm
- Cabin #1
- Launched at 3:50pm
- Cooper spring - 4:05pm
- Little River - 4:25pm
- Deploy Charcoal packets @ 4:45 - Southside of the Vent - 8/10 ft into the throat
- Troy Spring - 5:05pm
- Deploy at 5:00
- Downstream, northside of the Natural Bridge under the Flat Rock - 5:30
- Saw at least a dozen turtles swimming for the Suw River, Spring → River, All at once.

Location

Date

Project / Client

Scale

- The crack - 5:35
  - Nearson - 6:05
  - Deploy at 6:25 - In west trending Crack b/t main + NE end of Crack
  - Activated Carbon Packets DATE VIN122, LOTBPI0GF/04 • 5/7/12
  - Returned to Boat Ramp at 7:30
  - Load boat and head to Cabin
  - Returned to Cabin at 8:30
- 7/30/14
- 163559 - mileage
- 8:55am - leaving Cabin for Suw River State park
  - 9:05 Stopped at Lafayette State Park shop to file up / check tire pressure
  - 9:18 Leave Lafayette State Park Shop. spoke with STAN.
  - 9:45 AM - Stopped to get gas
  - Unable to purchase gas with ST ~~Card~~ Fuel Card
  - Jiffy Store at Lee does not accept State Credit Cards
  - 163592 - Stopped at gas station near Suw State Park - 10:15am

20.3 gallons

Location SWWDate 7/30/14

Project / Client \_\_\_\_\_

TOM, SARA SMITH

- SWW State Park 10:25am  
met park Manager Craig
- Launch boat at 10:50am  
brought antenna, Laptop, is camera
- ~~SWW~~
- 11:45am - arrived at Anderson Spring  
to Deploy Charcoal packet
  - relatively dark water
  - set deploy right in the front park  
of the vent → head of science
  - (cell) 757-971-3354 lenny (univ corner)
  - local contact at Spring
- USGS marker near Anderson Springs  
352-264-3506 - Melissa
- 352-264-3500 - Ken Sulak

\* Add comments for Spring Deploys

• Pic - outcrop above Anderson below I10

• Ellaville Spring 12:42

Deploy Packet

- Fast Flowing water from spring
- Charcoal packet Southside behind the 1<sup>st</sup> big rock

Location \_\_\_\_\_

Date 7/30/14

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

- Swanacoochee Spring at 1:00pm
- Deployed Packet
- East of the East window in a crack
- left at 1:30pm
- SWW State Park Spring 1:40  
Tyler Fufts - SWMD
- \* New Battery Source for Laptop
- Pictures at Seven Sisters Spring  
called by locals Five Hole 2:40pm
- ~~Line Run~~ <sup>KW</sup> 3:35pm - Stevenson (Line eater)
- Deploy Packet - under south side  
of a log in main flow vent
- Line Spring ~~PACKET~~ <sup>KW</sup>
- Photos of ~~line~~ <sup>line</sup> ~~run~~ <sup>run</sup> 4:15 ~~(Line Eater)~~ <sup>KW</sup>
- Fast Flowing  
deploy Packet - tied to tree root
- Packet was visible / obs. - might be  
altered by public
- SWW State Park - next to boat ramp  
Deploy packet @ 5:00pm
- Fast Flowing into river  
West side - straight out from 2nd cypress
- Return to CABIN at 7:30pm

Location SUW Basin → Tallahassee Date 7/31/14

Project / Client \_\_\_\_\_

- Packed up supplies from field work 9am
- Load State vehicle
- Cleaned cabin to its original state
- Left Lafayette State Park Cabins at 10:50am
- Arrived at FGS at ~12:25
- Unpacked vehicle
- returned equipment
- Cleaned inside of vehicle
- finished unloading at 1:00pm

Location SUW BASINDate 8/6/14

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

TOM G./CINDY F.

LEFT FGS AT 9AM

STOPPED AT JACK'S BOAT + TRAILER  
AT 10:15 AM

LEFT AT 11:10 AM

PONCEY'S FOR LUNCH

WALMART FOR SUPPLIES

ON TO LAFAYETTE BLUE SPRINGS  
AT 1:30 PM

LOOKED AT ALLENS MILL POND

WENT TO COMPOUND - MEET STAN  
TO LOOK OVER TRAILER GUIDESSUWANNEE RIVER STATE PARK  
AT 3:30 PM

BOAT RAMP CLOSED

LOOKING FOR ALTERNATIVE BOAT  
RAMP

RECON FOR BOAT RAMP

RD 141 RAMP - LOTS OF POISON IVY -

LOTS OF SINK HOLES

→ NEAR SEVEN  
SISTERS

4:40 PM

BAD STORM APPROACHING

SAW A DEER

CAME STRAIGHT IN FL TRAIL TO  
SEVEN SISTERS - LOOPS TO RAMP  
ORANGE MARKER FOR FL TRAIL

- SAW BABY BUCK IN THE RD ON THE WAY OUT + DOE
- BAD STORM - BLOWING SAND CLOUD - STOPPED TO TAKE PICTURES
- RIVER RD (ACROSS FROM GAS STATION) <sup>↑ JV</sup> TO ANDERSON (ST SIGN)
- GO ACROSS I-10 SOUTH - 5:10 PM
- LEFT AT 5:30 PM

8/7/14

MILEAGE - 164018

LEFT CABIN AT 8:00 AM (SUW STATE)

ANDERSON SPRING - 8:15 AM

REDEPLOY CARBON PACK - 8:30 AM

COULD NOT LOCATE ORIGINAL PACK

\* ELLAVILLE IS REFERRED TO AS EDWARDS BY DIVERS

BACK TO CABIN TO HOOK UP BOAT - 9 AM

LAUNCHED BOAT AT SUW STATE

PARK BOAT RAMP

\* BUY A WATCH

LIME EATER AKA STEVENSON - 9:35 AM

RECOVERED PACK

DEPLOYED SECOND PACK 9:40 AM

- SPRING  
LIME ~~RUN~~ - 9:56 AM  
RECOVERED PACK - 10:10 AM  
DEPLOYED PACK - TIED TO TREE ROOT -  
STILL FAST FLOWING  
DEAD BABY BUCK IN WATER BY SPRING
- SUWANACOCHE - 10:15 / 10:20 AM  
RECOVERED PACK  
DEPLOYED PACK
- ELLAVILLE - 10:30 AM  
RECOVERED PACK  
DEPLOYED PACK
- LIME RUN (NEXT TO SUW RIVER STATE PARK)  
10:45 AM  
RECOVERED PACK  
DEPLOYED PACK  
LOADED BOAT ON THE TRAILER - 11 AM  
~~Head~~ <sup>to</sup> BRANDFORD  
MEET WITH DENNIS FOR LUNCH AT 12

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

GOT NEW/ANOTHER LIFE JACKET  
FROM TROY SPRINGS STATE PARK  
- MARK? - 1:35pm  
HEAD BACK TO BRANDFORD BOAT  
RAMP - 1:50pm

~~LITTLE~~ kw

LITTLE RIVER - 2:30pm

RECOVERED PACK

DEPLOYED PACK

TROY - 3:00pm

RECOVERED PACK

DEPLOYED PACK

MEARSON - ~~DID NOT RECOVER~~ kw

BECAUSE OF STORM APPROACHING

\* POTENTIAL RD ACCESS TO MEARSON -  
FROM PRIVATE LAND OWNERS?

CORRECTION: LAUNCHED BOAT AT  
RAMP NEAR MEARSON AT 4:30pm  
(FORT MACOMB BOAT RAMP)

MET LOCAL LANDOWNER FROM  
MEARSON

386-590-0031 CELL

KELLEY MORGAN

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

MEARSON - 4:50pm

RECOVERED PACK

DEPLOYED PACK

PUT BOAT ON TRAILER - 5:25pm

ARRIVED BACK AT FGS

UNLOADED SUPPLIES FROM

VEHICLE & BOAT - 9pm

Location SUW RIVER BASIN Date 8/12/14

Project / Client \_\_\_\_\_

TOM GREENHALGH & BRIANNE APOLINAR

- LOADED TALOE
- LEFT PGS AT 10AM → PICKED UP BOAT AT WAREHOUSE
- STOPPED ~~AKW~~ AT WALMART FOR SUPPLIES - ICE, ETC.
- STOPPED AT JACK'S BOAT & TRAILER
- LOADED BOAT AT BRANDFORD BOAT RAMP
- WENT TO LITTLE RIVER - CARBON PACK STILL THERE
- LOOKED AT GEOLOGICAL AREAS OF INTEREST
- WENT TO THE CRACK
- WENT TO TROY
  - NOT AS MANY BABY FLOUNDERS
- LOADED BOAT ONTO TRAILER
- LEFT BRANDFORD BOAT RAMP AT 6:30
- COULD NOT RECOVER CARBON PACKS BECAUSE WE DID NOT HAVE NEW PACKS
- WE WILL BE DEPLOYING AND RECOVERING CARBON PACK TOMORROW
- SUW STATE PARK CABIN AT 8:15 PM
- SUW RANGER: 386 - 365 - 2501 (CRAIG)

Location SUW RIVER BASIN Date 8/13/14

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

- LOADED VEHICLE & BOAT
- LEFT CABIN AT 8:30 AM
- CALLED KELLEY MORGAN FOR RD ACCESS PERMISSION - LEFT VOICEMAIL 9:50 AM
- 9:50 AM
- TROY SPRINGS STATE PARK - 10:10 AM
- RECOVERED
- DEPLOYED
- DEM DIVERS AT SPRING
- LITTLE RIVER SPRINGS ~~3<sup>RD</sup>~~ PARK
- DROVE TO - 10:50 AM
- RECOVERED
- DEPLOYED
- DID NOT GO TO MEARSON BECAUSE OF BAD STORM
- \* BRING CARDS NEXT TIME
- STOPPED AT CAVE EXCURSIONS - 12:30
- FOR ANTI-FOG AND SEAL CEMENT
- MADISON BLUE SPRING - 5 PM
- SEVEN SISTERS SPRINGS - 6:30 PM
- LAUNCHED AT SUW STATE PARK
- BOAT RAMP - 7 PM
- ELLAVILLE - 7:05 PM
- RE
- DE

8/13/14

SUWANNACOOCHIE - 7:10 PM

RECOVERED

DEPLOYED

STEVENSON - 7:25 PM

RECOVERED

DEPLOYED

- ABRV FOR STEVENSON - AKA LINE EATER ON OZARK LAB FORMS

- SMALL SPRING COMING FROM HOLE IN ROCK ON BANK

- BELOW A 'BIG ROCK FEATURE'

- NEAR PIPELINE (JUST ABOVE)

LIME RUN - 7:45 PM - LIME SPRING

- RECOVERED

- 7:40 PM
- RECOVERED
- DEPLOYED

- DEPLOYED

LOADED BOAT ON TRAILER - 8:00 PM

8/14/13

LOADED VEHICLE / CLEANED CABIN - 9 AM

ANDERSON SPRING - 9:35 AM

DAVID WICKHAM 20164 96 ST,

# 386-362-6345 LIVE OAK

- LOCAL CONTACT - 10:30

- DEPLOYED - 9:35

- SLIGHTLY MOVED

- RECOVERED - 9:35 AM

SUW → TALLY

8/14/14

HEADED BACK TO THE CABIN TO  
HOOK UP BOAT\* LOCALS - WOULD LIKE TO KNOW  
RESULTS OF STUDYLEFT CABIN (SUW) FOR TALLAHASSEE  
AT 10:50 AM→ SAW A DOZEN PLUS STURGEON  
JUMP AT ANDERSON SPRINGWAREHOUSE TO UNLOAD BOAT  
AT 1:20 PMGOT GAS AT SHELL STATION - ~~1:40~~<sup>1:40 PM</sup>  
~~1:40~~ KW 164637

UNLOADED VEHICLE - 2:15/20 PM

8/25/14

## ISCO WATER SAMPLERS (5)

FRIDAY 8/22/14: SETUP ALL INSTRU.  
IN BASEMENT

• 200 ML EVERY 2 MINUTES

CHECKED BATTERY VOLTAGE - FRI @ 5pm

INSTRUMENT # 1 : 12.46

#2: 12.54

#3: 12.46

#4: 12.35

#5: 12.68

#3 HAS WATER IN MAIN UNIT -  
DOES NOT CURRENTLY WORK

#5 HAD 3-8 SAMPLE BOTTLES - MORE  
THAN 200ML (APPROX. +/- 400-600)

CHECKED BATTERY - 8/25/14 - 10:45 AM

#1: 12.47

#2: 12.52

#3: 12.46

#4: 12.33

#5: 12.64

#5 - NO SAMPLE CONTAINED (BOTTLE) LIDS

ALL INSTRUMENTS RAN TO COMPLETION

ALL BOTTLES APPEARED TO BE 200ML

SOW RIVER BASIN

8/27/14

TG/KW/KK

LOADED VEHICLE

RAN ISCO SAMPLERS. EVER 2 HRS

LEFT. FGS AT ~~NOON~~<sup>KW</sup> 11:30 AM

WENT TO CORAL REEF SCUBA

• PURCHASED SNORKEL GEAR - \$175.85

• PUT WETSUIT ON ORDER TO  
BE PICKED UP AND PAID FOR AT A  
LATER DATE

• WENT TO WAREHOUSE TO PICK UP  
THE BOAT - 2 PM

• LEE'S TRAILOR FOR TAILLIGHTS

• SOW RIVER STATE PARK

• CABIN #41

• GATE CODE 7023

\* SUBMIT AND SIGN PERMITS

• UNLOADED VEHICLE

• GET BACK TO CABIN AT 9 PM

8/28/14

LOADED VEHICLE 8:30

HEADED TO ANDERSON SPRING

MILEAGE 165,000

ANDERSON - 8:54 AM

RECOVERED - 9:05 AM

DEPLOYED

8/28/14

LEFT ANDERSON AT 9:20AM

ONLY ONE STURGEON JUMP

LAUNCHED BOAT AT SUW STATE PARK 9:45AM

ELLAVILLE 10:00AM

RECOVERED

DEPLOYED

SUWANNACOOCHIEE - 10:10AM

RECOVERED

DEPLOYED

MEET DAN &amp; JULIA 10:30AM

TAKING FLOW MEASUREMENTS

STOPPED AT SEVEN SISTERS

LINE EATER - 11:00AM

RECOVERED

DEPLOYED

LIME SPRING 11:25AM

\* NOTE - LARGE ROCK JUST UNDER SURFACE  
COMING UP TO LIME SPRING

RECOVERED

DEPLOYED

SAW A RED SHOULDER HAWK ON OPPOSITE BANK

LET US PULL UP TO HIM

↑ LOADED BOAT AT SUW STATE PARK - NOON

LIME RUN 11:40

RECOVERED

DEPLOYED - LEFT SIDE OF THE BANK

10 FT BACK - ROUGHLY

FALMOUTH SPRING REGION 12:10PM

ESTIMATE FLOW - 1 FT / SEC

3600 FT / HR

2/3 MILE / HR

KEY MEMORIAL PARK 2:05 PM

LAUNCHED BOAT 1:50 PM

\$9.00 FOR BOAT FUEL

LITTLE RIVER 2:45 PM

RECOVERED

DEPLOYED

MEARSON 4:05 PM

RECOVERED

DEPLOYED

TROY 4:40 PM

RECOVERED

DEPLOYED

STOPPED AT RANK RUTH SPRINGS

SAW DRAGONFLY EMERGING 3 ONE GATOR  
HELD BAY FLOUNDER

24 Location SUW RIVER → FGS - Date 8/28/14  
Project / Client FGS → SUW - - - 9/2/14

LOADED BOAT AT 5:45 PM / BRANDFORD  
BOAT RAMP

GOT FUEL IN PERRY # - 6:55 PM

· 9.71 GALLONS

\$33.00

RETURNED TO FGS AT 8 PM

9/2/14

TG/KK

· LEFT FGS AT 4 PM

· STOPPED FOR ICE

0716 - GATE  
CODE

· SUW STATE PARK - CABIN #3 - 6:40 PM

· UNLOADED VEHICLE/BOAT

· CLINT HAS CABIN #2 RESERVED FOR  
TOMORROW TONIGHT

· WILL SET UP ISCOs TOMORROW  
MORNING AND CALIBRATE /  
PROGRAM WITH SCOTT DYER

25 Location SUW - Date 9/3/14  
Project / Client \_\_\_\_\_

Scale

TG/KK

165323-MILEAGE

LEFT CABIN AT 8:30 AM

· LOADED BOAT/CAR

· LAUNCHED BOAT AT SSP - 9:00 AM

· ELLAVILLE - ACCESS BY BOAT BE<sup>low</sup>  
BECAUSE LANDOWNER IS NOT

"FRIENDLY" WITH STATE PARK?  
LONG WALKING DISTANCE

LIME RUN - 10:05 AM

· ISCO #5

· BATTERY S1: 12.91V - CHECKED AT  
SITE

· WATER LEVEL SLIGHTLY  
DOWN FROM LAST TRIP

· PHOTOS 9-12

LIME SPRING - 10:35 AM

· ALSO REFERRED TO LOCALS AS "LITTLE GEM"

· ISCO #1

· BATTERY S6: 12.57V

· PHOTOS 12-19

· S6: 12.7 (9/2/14)



ELLAVILLE ~~#1~~<sup>W</sup> 11:00AM

ISCO #2

BATTERY S2: 13.00V - 13.01V (ON 9/2/14)

PHOTOS 19-26

SUWANNACOOCHIE 11:40AM

ISCO #4

BATTERY S3: 12.97V - 13.01V (ON 9/2/14)

PHOTOS 27-33

LOCAL CONTACT: DAN (WANTS OUR # FOR CONTACT)  
#386.688.2116

• LEAVING WITH TG/KK/CLINT/SCOTT/BEN 8AM

• TOM CALLED AND LEFT A MESSAGE WITH DAVID WICKHAM (LOCAL CONTACT)

• PILGRIMS PRIDE #386.362.2544

• TOM SPOKE WITH CHRISTOPHER AT PILGRIMS PRIDE AND LEFT CONTACT INFO.

• TOM CALLED SUW SHERIFFS OFFICE - SPOKE WITH DEPUTY WATSON → NOTIFY IF CITIZEN SEES DYE IN THEIR WELL

• TOM CALLED SUW COUNTY HEALTH DEPT AND SPOKE WITH ROSIA → AND THEN TRANSFERRED TO TERISA. SHE SAID SHE WILL NOTIFY MR. MITCHELL WITH PROJECT INFORMATION

• #386.758.0525 → FWC ROBIN MITCHELL

• TARA, ABBY, AND MARK AT DYE SITE - FALMOUTH

• EJECTION 8:55AM

• RELEASED DYE BY BEN AT 8:55AM. FOLLOWED BANK AROUND CORNER

• DYE WAS BURNT ORANGE BECAUSE OF TAN WATER

• ~~WENT~~<sup>WENT</sup> APPROX. 10lb OF RHODAMINE WT LEFT FALMOUTH AT 9:40AM

9/4/14

BACK TO THE CABIN TO LAUNCH BOAT

LEAT · 10:43AM · R-1

- STATION SECURE
- BATT AT 12.65V
- BOTTLE 6 AT 12:00 — THEREFORE THERE SHOULD BE FIVE SAMPLES

- NOTHING IN BOTTLE 1 — EMPTY
- SAMPLES 1-5 COLLECTED; NO SAMPLE FOR BOTTLE 1; ~~2-5~~ DISCARDED; BOTTLE 5 KEPT
- 2 → 20 HOUR SAMPLE

SCOTT ACCIDENTLY  
DISCARDED #5

9/3/14 · 8PM

- RELABELLED / ORGANIZED BOTTLES
- \* NO TOPS OR TUBES IN BASE

STOP — "PROGRAM"

ENTER "PROGRAM"

MULTI "NO"

SAMPLE VOL "200 ml"

SUCTION HEAD "14"

NEXT SAMPLE "12:00" — TIME TO SAMPLE

BOTTLE 1 @ 12:00 — R2

— EVERY 4 HRS

9/4/14

LSPR · 11:22AM · R-1

· STATION SECURE

· BATT 12.4V

· BOTTLE 5 AT 12:00

· SAMPLES 1-4 TAKEN SUCCESSFULLY

· STARTED AT 20HRS

· KEEPING SAMPLE OF BOTTLE 4 (COLLECTED AT 8AM)

· 1-3 DISCARDED

R2 · START = BOTTLE 1 AT 12:00 — EVERY 4 HOURS

SUWA · 11:40AM · R-1

· STATION SECURE

· BATT 12.92V

· MARK-DIVER, 3 LOCALS (WICKHAMS)  
AT SITE

· BOTTLE 5 AT 12:00

· ~~ALL~~<sup>NEW</sup> SAMPLES 1-4 TAKEN SUCCESSFULLY

· BOTTLE 4 KEPT

· 1-3 DISCARDED

R2 · START = BOTTLE 1 AT 12:00 — EVERY 4 HRS

\* EXTRA ISCO MANUAL IN BASE

→

Location SUW → FGS

Date

9/4/14

Project / Client \_\_\_\_\_

LRUN · 11:56 AM → WAIT FOR SAMPLE AT 12

- STATION SECURE
- BATT 12.85V
- BOTTLE 6 AT 16:00
- BOTTLES 1-5 COLLECTED
- 1-3 DISCARD
- 4 AND 5 KEPT
- STOP → PROGRAM

· START: BOTTLE 1 AT 16:00 - R2  
 · EVERY 4 HRS

- LOADED VEHICLE(S)
- ELLAVILLE FOR PHOTOS (CLINT)
- RETURNED TO FGS AT 5pm

Location SUW SPRINGS

Date

9/4/14

Project / Client \_\_\_\_\_

## CALIBRATIONS FOR ISCOs

Scale

## LSPR

- 4 HRS SAMPLING INTERVALS
- START AT 20 HRS
- 10 FT OF TUBING
- DAYLIGHT SAVINGS TIME
- 4' SUCTION HEAD
- 200 ML PER BOTTLE

## LEAT

- 35' OF TUBE
- 4 HRS SAMPLING INTERVALS
- 200 ML PER BOTTLE
- 14' SUCTION HEAD
- DAYLIGHT SAVINGS TIME

## SUWA

- 10 FT OF TUBING
- 6 FT SUCTION HEAD
- DAYLIGHT SAVINGS TIME
- 200 ML PER BOTTLE
- 4 HRS SAMPLING INTERVALS
- STARTED AT 20 HRS

## LRUN

- 10 FT TUBING
- 4 HRS SAMPLING INTERVALS
- 200 ML PER BOTTLE
- DAYLIGHT SAVINGS
- 3 FT SUCTION HEAD
- STARTED AT 20 HRS

Location SUW SPRINGSDate 9/4/14

Project / Client \_\_\_\_\_

CALIBRATIONS FOR ISCOSANDS

- DAYLIGHT SAVINGS
- 35 FT TUBING
- 10 FT SUCTION HEAD
- 200 ML PER BOTTLE
- 4 HRS SAMPLING INTERVALS
- STARTED AT 20 HRS

9/8/14

KC / ICW

LOADED VEHICLE

WAITED ON UPS SHIPMENT OF TUBES  
AND CARS

LEFT FGS AT 11:00AM

STOPPED AT WALMART TO FIND  
PX280 BATTERY - UNABLE TO FIND  
ONE

MEET WITH TOM & KARLEE IN  
MADISON

CHECK ON LIMERUN &amp; UME SPR ISCOS

LOADED PHOTOS FROM CLINT ONTO LAPTOP

Location SUWDate 9/9/14

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

TH / KK / KC / ICW

PACKED SUPPLIES / TOOLBOX - 8AM

LSR - 9:00AM

• RECONFIGURE HEAD

• SUCTION HEAD 6 FT

• START TIME 12:00

• BOTTLE 13 @ 12:00

• MOVED ISCO TO HIGHER GROUND  
RIVER ~~BASE~~<sup>KW</sup> CAME UP APPROX.

1 FOOT OVERNIGHT

→ CHANGED TO LONGER HOSE

• BATTERY - 12.4V

ICW

LRUN · 5:45 PM

- BATTERY 12.75V
- HOSELING WAS OUT OF THE WATER. REATTACHED TO ROCK AND SECURED TO BOTTOM OF FLOW.
- MISSED 1 OR 2 SAMPLES
- BOTTLE 15 AT 20:00
- ~~COLLECTE BOTTLE AT 5:45 (17:45) KW~~
- COLLECTED: GRAB01 AT 17:45

LSPR 5:55 PM

- BATTERY · ~~12.8~~ <sup>kw</sup> 12.40V
- BOTTLE 15 AT 20:00

ELLAVILLE · 6:26 PM

- BATTERY 12.83V - BOTTLE 15 @ 20:00

SUW · 6:40 PM

- BATTERY 12.85V
- BOTTLE 15 @ 20:00

165718 - MILEAGE

LRUN R-3

- COLLECTED ALL BOTTLES IN LABELLED VIALS · BOTTLE 1 AT 12:00

LSPR · 9:30 AM R-3

- COLLECTED ALL BOTTLES IN LABELLED VIALS · BOTTLE 1 AT 12:00

ANDS · 10:30 AM ~~R-3~~ <sup>kw</sup> R-2

- BATTERY 12.80V
- 1-18 COLLECTED EXCEPT BOTTLE 10
- COLLECTED A QUARTER OF A VIAL FOR BOTTLE #10
- LABELLED ALL SAMPLES IN INDIVIDUAL VIALS
- ROUND 2 · BOTTLE 2 AT 12:00

ELLA · 11:00 AM

· BATTERY 12.82V

- ALL BOTTLES COLLECTED #1-18 - 11:25 AM
- ROUND 3
- BOTTLE 1 AT 12:00

FEDEX 1800-465-3339

LAUNCHED THE BOAT  
AT SUW STATE PARK - 12:10 PM9225 COUNTRY  
RD  
~~32066~~ <sup>kw</sup>  
32060

Location SUWDate 9/10/14

Project / Client \_\_\_\_\_

TG/KK

LEAT - 12:35PM

• BATTERY - 12.54V

• ALL BOTTLES 1-19 COLLECTED

• 1-10 LOOK CLEAR

• 11-19 HAVE COLOR - TAN

LSR

• MEET WATER &amp; AIR RESEARCH TEAM

• FLOW 17.7 - 9/10/14

• BATTERY - 12.38V

• FALMOUTH (WATER &amp; AIR)

7/1 247

• LSR

6/23 50.6

• RECOVERED CARBON PACK

ELLA

• RECOVERED CARBON PACK

• DEPLOYED C. PACK

SUW

• RECOVERED CARBON PACK

• DEPLOYED CARBON PACK

Location SUWDate 9/10/14

Project / Client \_\_\_\_\_

TG/KK

Scale

FEDEX ACCOUNT # 457567189

STOPPED AT WALMART FOR COOLER,  
ICE, ZIPLOC BAGS (TO SHIP SAMPLES)

SHIPPED CARBON PACKETS FROM

ELLA, LRUN, LSPR, SUW TO

CLARK UNDERGROUND LABORATORY  
OVERNIGHT - 4PM

9/11/14

TG/KK/CHRISTOPHER

ELLA - 12:55PM

• BATTERY - 12.81V

• BOTTLE 8 AT 16:00

SUWA 1:15PM

• BATTERY 12.82V

• BOTTLE 8 AT 16:00

SPOKE W/ ERICH MARZOFF

POSSIBLE MEETING NEXT WED.

LAF BLUE RATING BASED ON WELL

EAST SIDE SUWANNEE RIVER.

R2 WORK @ OTHER WELLS IN AREA.

TREX BRUBBS DYE TRACES @  
HOLTON CK. TG

TG/KK/CHRISTOPHER

ANDS - 3:10 PM

· BATTERY 12.81V

· BOTTLE 8 AT 16:00

LRUN 4:15 PM

· BATTERY 12.73V

· BOTTLE 9 AT 20:00

LSPR 4:30 PM

· WATER IS TAN COMPARED TO RECENTLY

· WATER COLOR - DARK TAN/COPPER

· BATTERY ~~12.3<sup>WS</sup>~~ 12.38V

· BOTTLE 9 AT 26:00

TG/KK/CHRISTOPHER WILLIAMS

LINEATER 908 AM

BATTERY 12.53 V

BOTTLE 12 @ 12<sup>00</sup> noon

samples 1-11 collected 9/12/2014

appear to be correct volumes

transition in color between 7 and 8

9-11 appear to be primarily spring water

LIME SPRING 946 AM

BATTERY 12.36V

BOTTLE 13 @ 12<sup>00</sup> noontannic water still flowing from  
the spring ventbottle 2 and 7 did NOT collect samplesample run becomes more tannic with  
significant shift from 6-8 - again no  
sample @ 7.

LIME SINK RUN 1009 am

BATTERY 12.72V

BOTTLE 13 @ 12<sup>00</sup> noonriver level is dropping ~4" since last evening/  
full sample set 1-12 afternoon

Location SUWDate 9/12/14

Project / Client \_\_\_\_\_

TG/KK/CW

ELLAVILLE · 11:55AM

- BOTTLE 13 AT 12:00  
↳ WAITED ON BOTTLE 13
- BATTERY · 12.72V
- COLLECTED ALL 13 SAMPLES
- BOTTLE 1 AT 16:00 (LAST LEFT)

ANDS · 12:20PM

- BATTERY · 12.77V
- COLLECTED ALL = 13 SAMPLES
- WATER APPEARED CLEAR

SUWA ·

- BATTERY · 12.81V
- COLLECTED SAMPLES
- KARLEE HAS MORE NOTES

RETURNED TO FGS AT 3:15PM  
FINISHED UNLOADING SIERRA (KARLEE  
AND I) AT 4PM

Location ~~SUW~~<sup>KW</sup> FGS → SUW Date 9/15/14

Project / Client \_\_\_\_\_

KK/TC

Scale \_\_\_\_\_

COMPLETED ADMIN WORK, TRAVEL  
DOCS, SCANNED FIELD NOTES,  
PACKED VEHICLES

· LEFT FGS AT - 4:30 PM

· ARRIVED AT CABIN

\*NOTE - YOU CANNOT BOOK A  
CABIN AFTER 4PM ON RESERVE  
AMERICA WEBSITE\*

· UNLOADED TOOLBOX, VIALS,  
SUPPLIES

· PUBLIX FOR FOOD &amp; ICE

· ICE BOUGHT AT GAS STATION  
(NEAR CABIN) INSTEAD

· BACK TO CABIN 8:30/9 PM

· WILL COLLECT VIALS/SAMPLES  
AND BREAK DOWN INSTRUMENTS  
TOMORROW.

KK/TG

• LOADED & LAUNCHED BOAT AT SSP.

LEAT 10:30AM

• BATTERY 12.5V

- ALL SAMPLES COLLECTED 1-24 (R.5)
- SPRING IS DISCHARGING - SOMEWHAT TANN
- DETACHED BATTERY FROM ISCO
- SAMPLES GRADUALLY GET LIGHTER FROM 1 TO 23 - 24 IS SURPRISINGLY DARKER THAN 23.

• INSTRUMENT ISCO #6

• LEFT HOSE TIED TO TREE (TRAPPED BY SAND)

LSPR 11:10AM

• BATTERY 12.34V

• ISCO DISPLAY = 24 SAMPLES COLLECTED - PROBLEM OCCUR - REPLACE TUBE SAMPLING

• BOTTLE 2 & 14 NOT COLLECTED BY ISCO (R.5)

• 1/5 A VIAL COLLECTED FOR BOTTLE 14

• INSTRUMENT #1 ISCO

\* REPLACE PUMP HOSE

LRUN 11:40AM

~~KK/TG~~ ~~11:30AM~~

• BATTERY 12.76V

• BOTTLE 24 AT 12:00

• ALL SAMPLES COLLECTED 1-24 (R.5)

• INSTRUMENT ISCO #5

• APPEARED THAT SAMPLES GRADUALLY GOT LIGHTER FROM 1 TO 24.

SUWA 11:30AM

~~KK/TG~~ ~~11:10AM~~

• BATTERY 12.68V

• COLLECTED SAMPLES 1-23

• EXTRA 24 BOTTLE (R.5)

• 10, 12, 14, 18 → DARKER WATER

\* NOTE: CONFUSED ISCOS - REASON FOR CORRECTIONS ABOVE

• INSTRUMENT ISCO #4

→ "COLLECTED" SAMPLES FROM BOTTLE AT CABIN BECAUSE OF TERRIBLE WEATHER FOR SUWA & LRUN

- GOT THE INSTRUMENTS AND BATTERIES FOR ANDS & ELLA BY THE ROAD.

\* EASIER TO CARRY THE HEAVY INSTRUMENTS/BATT

ANDS 4:10 PM

• BATTERY 12.85V

• INSTRUMENT ISCO #7

• DONE 24 BOTTLES -

• BATTERY \$5

Location SOWDate 9/16/14

Project / Client \_\_\_\_\_

TG/KK

- LOADED INSTRUMENT INTO VEHICLE, WILL COLLECT SAMPLES INTO VIALS AT CABIN BECAUSE OF RAIN
- ROUND 4 SAMPLES COLLECTED - ALL 24
- CLEAR IN COLOR

ELLA 4:40 PM

- BATTERY 12.8<sup>FW</sup> V
- DONE 24 BOTTLES COLLECTED
- ALL 24 BOTTLES COLLECTED - CLEAR COLOR
- INSTRUMENT ISCO #2
- ROUND 4 SAMPLES COLLECTED

WORKED ON POWERPT FOR SRWMD  
 CREATED A MAP OF STUDY SPRINGS  
 WITH CAVES (OVER LIDAR)

8 PM - 9 PM ROUGHLY

LOADED PICTURES FROM DYE TRACE

Location SOWDate 9/17/14

Project / Client \_\_\_\_\_

TG/KK

Scale \_\_\_\_\_

MILEAGE 149

UNLOADED BOAT - LEFT AT SSP.

10 AM APPOINTMENT WITH ERIC MARSOLE  
WITH SRWMD

MEETING WITH ERIC MARSOLE

- POSSIBLE WELL ? DISCHARGE DATA - STAT ANALYSIS
- CROPS - REDUCE NUTRI INTRO
- "BANG FOR YOUR BUCK"

TARA → MEASURE SUWA (MONDAY) ~ 780 CFS

HOLTON CREEK ~ 300 FT (POSSIBLE TRACE)

\* NEXT TRACE - USE MULTIPLE LOC, 2 KINDS OF DYE ?

"LITTLE GEN"

TARA HAS CORRECT CAVE MAP - OURS  
HAS INCORRECT PROTECT

Location SUW

Date

9/30/14

Project / Client

WITH TOM GREENHALH & KARLEE K.

LOADED VEHICLE

LEFT FGS AT 11:00 AM

WITH 20 CARBON PACKS FOR PETE  
FANIN SPRING 3:30 PM

SPOKE WITH ANDY (PARK RANGER)

MEET MARK LONG AT MANATEE SPRINGS

STATE PARK

DISCUSSED DIVES

10/1/14

VISIT MS. MARY DANIELS PROPERTY

\*REGISTER SINK - GREAT POTENTIAL SITE  
TAN WATER

VORTEX ON THE SURFACE

2ND ON MS. DANIELS FARM - PAST COW PASTURE

APPEARED TO BE FROM EROSION

3RD SINK

IN MIDDLE OF FIELD

USED TO BE WATERING HOLE

MS. D. SAID IT WAS 'NEW'

DISCUSSED WITH MS. DANIELS THE  
PROPERTIES WE WANTED TO LOOK AT.

Location

Date

10/1/14

Project / Client

TG, KK

Scale

MEET WITH BRADLOW (DALE) AND BROTHER (VICTOR)  
(BRYANT - DRIVE PAST THE TOOL SHED)

VISITED SEVERAL 'SINKS'

LARGE ONE IN A PASTURE - ~~1~~ KWCOW SKULL ~~FEET~~ KW AT THE BOTTOM  
OF ONEONE SINK HAD PIPES & MACHINERY AROUND  
WAS AN AGRICULTURE SITE (POSSIBLY)

SAW 2 LITTERS OF PIGLETS WITH SOW.

DISCUSSED THE FLOODING THAT OCCURRED  
YRS EARLIERVICTOR DESCRIBED CONNECTION BTW HIS LAND  
AND LITTLE RIVER  
MEET WITH JOHNSON - WILL & AMANDA

CELL # WILL (386) 697-8079

RD 200

TOOK PICS ON TOM'S PHONE

FLOWING (FAST)

\*GREAT ~~SMALL~~ KW POTENTIAL SITE FOR  
DIE TRACE

FLORESCIN\* IN THIS SINK

GOING BACK TO TAKE PICTURES TMRW

HEADED TO LITTLE RIVER TO CHECK  
WATER QUALITY - HIGH, NOT HIGH VISIBILITYMEET WITH PETE TO DISCUSS DIVE AND  
GET EXTRA CARBON PACKS (~54)  
ACTUAL #59

TG/KK

LOADED ~~WATER~~<sup>W</sup> VEHICLE WITH COOLER + CABIN SUPPLIES. 9:30 AM

HEADED TO WALMART FOR SUPPLIES FISHING

• BLACK TRASH BAGS, ICE, WATER, GATORADE,

HEADED TO WILL JOHNSONS PROPERTY

TO TAKE PICS & RECON - CLEANED UP SITE

TOM SPOKE WITH JUDY - A PROPERTY ~~W~~ OWNER NEAR THOMAS. 11:48 AM

• SPOKE TO WILL JOHNSON ABOUT FUTURE DYE TRACE (POSSIBLY IN THE NEXT WK OR 2)

• JOHNSON NEIGHBOR - BUBBA LLOYD

• ON GOOD TERMS

• WENT TO JUDY HANCOCKS PROPERTY

• 81<sup>st</sup> PLACE A

• OWNERS SAID ABOUT 15 FT OF WATER CAME IN ABOUT 2 HRS - HURRICANE DERRY

• AIRBOAT PEOPLE

• ALL THE FLOODING WATER WAS GONE IN 4 DAYS

• SAID THEY COULD SEE & HEAR THE WATER COMING

• JUDY WOULD LIKE A CONTACT AND/OR PHOTOS (AERIAL) FOR THEIR PROPERTY

TG/KK

Scale

• SAID THEY HAD A FRIEND OBSERVE A SINKHOLE "FLUSH LIKE A TOILET"

• THE SINKHOLE FILLED OR WAS FULL, THEN IT EMPTIED IN ONE 'QUICK FLUSH' (BOILED UP FIRST - DESCRIBED BY JASON)

• DESTROYED THE HANCOCKS HOME

• RAISED ABOUT 3 FT IN 4 MINUTES

JUDY'S EMAIL - ~~WORKING AIRBOATS~~<sup>W</sup>

SCORPION AIRBOATS @ WINDSTREAM.NET  
AIRBOAT AFRICA @ ....

HEADED BACK TO FGS AT 4:00 PM

UNLOADED VEHICLE - LEFT FGS AT 7:00 PM

VEHICLE IS CHECKED OUT FOR THE NEXT MONTH

POSSIBLE DYE TRACE INTRODUCTION ON 10/7/14

TWO CONFIRMED SITES - JOHNSON SINK AND REGISTER SINK.

## BATTERY CHECK:

S7 - 11.35V

- 12.25V - WAS IN THE FIELD (10/2)

S3 &amp; S4 ARE ABSENT.

S6 - 12.3V

S2 - 12.7V

S5 - 12.7V

S1 - 12.68V

CHARGING ANOTHER BATT AS A  
BACKUP FOR FIELD - S8

S8 - CHARGING

TG / KK / CAROL HAGESETH

CLEANED ISCOS WITH KARLEE

LOADED BOAT &amp; VEHICLE

GATECODE 8116 CABIN #1

LEFT FGS AT 4:30PM WITH TAHOE,  
BOAT, & SIERRASTOPPED AT WALMART FOR SUPPLIES,  
FOOD, TRASH CAN, DRILL

HEADED TO LAF STATE PARK

↑  
ATE AT POUNCYS

GOT BACK TO CABIN AT 9PM

DOOR WAS LOCKED

GOT INTO THE CABIN AT 10PM  
(AFTER UNLOADING VEHICLE)WILL DEPLOY AND SET UP ISCOS,  
BATT, & LINES AT MEARSON,  
TROY, & LITTLE RIVER

Location SUW-TROYDate 10/7/14

Project / Client

TG/KK/CAROL

BENITA CELL  
# 386.362. ~~8363~~ <sup>8363</sup>

WENT TO LAF STATE PARK SHOP <sup>HELP FROM</sup> LARRY  
FIXED TRASH CAN TO FIT BAT AND  
BCO #5 FOR LITTLE RIVER  
STOPPED FOR MARINE GAS  
HEADED TO MS. MARY DANIELS OR TROY?  
BACK TO TROY SPRING IS CLOSED/BLOCKED

(386) - LANA MORGAN (SISTER OR COUSIN  
# 294.1744 TO KELLEY)  
(HOME)

WENT TO TROY. 1:40PM  
WATER IS UP ABOUT 5 FEET  
TOM SPOKE WITH TEROL  
SEVERAL MOSQUITOS

SET UP ISCO #4  
BATT. S2  
10FT HEAD  
40FT LINE

COULD NOT COLLECT CARBON PACKET BUT  
DEPLOYED PACKET

~~WE~~ LEFT TROY AT 4PM

2 EVERY 12HRS. STARTING 10/8/14 AT NOON

Location SUW-MEARSONDate 10/7/14

Project / Client

TG/KK/CAROL

Scale

MEARSON SPRING. MEET WITH  
COMBO LOCK-3300 MS. ~~LANA~~ LANA  
AND LOCK - 1127  
3<sup>rd</sup> LOCK - KEY

SIGN SITE ACCESS AGREEMENT AND  
GAVE US COMBINATIONS & KEYS TO  
ACCESS MEARSON SPRING

MRS. <sup>LANA</sup> ~~LANA~~ MARRIED AN O'STEEN  
ASK HER TO CALL KELLEY TO LET HIM  
KNOWN WE WILL BE ACCESSING THE  
SITE

ADDRESS: SUNROSE <sup>ID</sup> NEAR HARDENBURG

\*CALL MS. MARY DANIELS ABOUT SITE  
ACCESS FOR REGISTER PROPERTY  
WAYNE REGISTER - CELL  
(386) # 935.0279

LITTLE RIVER ~ 6PM

SET UP ISCO ON BANK OPPOSITE OF THE  
CONCRETE WALKWAY AGAINST OAK  
TREE ON THE BANK



PLACED BATT AT THE BOTTOM OF  
THE TRASHCAN/ PLACE CONSTRUCTED  
WOODEN PLATFORM ON TOP OF  
BATT/ ISCO ON PLATFORM/  
TUBING RUNNING OUT THE SIDE  
OF TRASH CAN.

SAW CAVE DIVERS IN MAIN VENT. LITTLE RIVER  
WATCHED THEM WITH FLASHLIGHTS AT THE  
EDGE OF THE CAVE MOUTH  
DID NOT DEPLOY OR RECOVER PACKET  
TOO DARK / NO VISIBILITY  
RETURNED TO CABIN AT ~ 9:45 PM

10/8/14

LOADED BOAT & BOTH VEHICLES 8:30 AM  
TOM & CAROL IN TAHOE  
KARLEE & I IN SIERRA  
HEADED TO TWICE THE ICE & NAPA AUTO  
(FOR FUNNEL) AND DUCT TAPE  
LEFT SIERRA & BOAT AT FORT MALOMB  
HEADED TO MEARSON BY RD ACCESS WITH  
CODES & KEYS FROM MRS. LAINA  
SETUP ISCO & BATT AT TOP OF ~~STAIRS~~ STAIRS  
RECOVERED AND DEPLOYED TWO PACKS  
ONE AT ORG. SPOT AND ONE ON TUBE  
LINE. 10:40 AM  
CALLED WAYNE REGISTER 10:43 AM  
✓ ABOUT SITE ACCESS / SINK

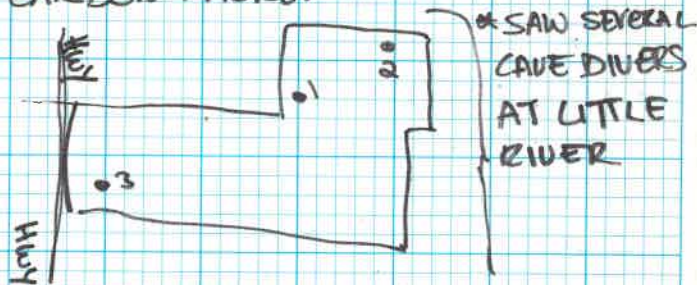
GARY REGISTER  
#386.965.7585

GARY IS ACTUALLY IN TOWN - WILL SPEAK WITH  
HIM ABOUT SITE ACCESS

MILEAGE - 167100 (TAHOE 10/7)

LITTLE RIVER 11:45 AM

SECURED HOSE MORE  
NO CARBON PACKET - DEPLOYED A PACK



1 - OUR ORG. SINK OF INTEREST  
2 - LARGER SINK WITH NATURAL  
BRIDGE

3 - ANOTHER SINK - ALWAYS DRY

GARY REGISTER (CONFIRMED CELL)

#386.965.7585

Location SUW-DYETRACE Date 10/8/14

Project / Client \_\_\_\_\_

TG/KK/CH/TR

SIGNED SITE ACCESS FORMS (ONE  
COPY FOR GARY IS ONE FOR US)

MEET WITH TARA ?

BOTH WORK FOR WATER MANAGEMENT  
DISTRICT

GARY CAME TO DYE RELEASE AT  
REGISTER SINK

30lbs OF RHODAMINE WT

STUCK 15FT POLE

DYE = SENSIENT

BATCH 5229523

30lb ~~total~~

3 NINE POUND JUGS

57lbs TOTAL

POURED BLEACH DOWN 15FT POLE

START TIME: 2:52 PM

DID NOT SEE VISIBLE DYE ~~EXIT~~ USING THE  
POLE - HAD TO POUR DIRECTLY ONTO  
TOP OF SINK

JOHNSON SINK

HAD WILL SIGN SITE ACCESS FORM  
CARRIED BUCKETS, FLUORESCEN COOLER,  
DRILL, PIPE, FUNNEL TO SITE

Location SUW-JOHNSON Date 10/8/14

Project / Client \_\_\_\_\_

SINKTG/KK/CH/TR

Scale \_\_\_\_\_

30lbs FLUORESCEN DYE

CAROL ASSISTED IN POURING DYE

MIXED DYE IN BUCKET W/ DRILL  
(POWDER DYE FORM)

POURED DIRECTLY IN TO FLOW

\*SINK HAS DROPPED WATER

SEVERAL FEET (~3-4FT)

STARTED AT 4:55 PM

HAD TO HAND MIX DYE BECAUSE THE  
DRILL'S BATT DIED.

TOOK PHOTOS

BACK AT THE CABIN AT 11:30 PM

LOADED AND PACKED SIERRA 9AM  
 WENT TO BREAKFAST - ROSE'S?  
 HARDWARE STORE FOR SUPPLIES -  
 WIRE, TUBE CLAMPS, EXTRA KEYS  
 FOR MRS. LANA, KEY CHAINS,  
 ZIPTIES, ELECTRIC SUPPLIES FOR  
 BATTERIES

TROY - 11:30AM

CHECKED ISCO

BOTTLE 3 AT 12AM

FOUND BABY TURTLE THE SIZE OF A  
 PENNY

MEET JILL → THE CAVE/SPRING PHOTO-  
 GRAPHER (WALLPAPER ON MY  
 OFFICE COMPUTER)

WENT TO SEE BENITA AT BRYDS. 12:30 PM  
 GAVE HER MRS. LANA'S KEY.

HEADED TO BRANFORD

LITTLE SPRINGS - 12:40 PM

ISCO IS FUNCTIONING - TUBE WAS FILLED

DID NOT HAVE KEYS FOR THE TRASH CAN

STAYED WITH TARA RODGERS TO HELP  
 WITH DOPPLER FLOW READERS

\*NEED 2 GOOD BINS, 10 ENS TO CONTINUE  
 MIN. OF 3 MINUTES. 4 TRIES WITHIN

5% ERROR TO COMPLETE MEASUREMENTS.

MEARSON 4:10 PM

BOTTLE 4 AT 0:00 (MIDNIGHT)  
 FUNCTIONING WELL

- TOM 'SLICK AS SHOT AS A MARBLE'  
 WATER IN HOSE - FUNCTIONING

HEADED BACK TO TALLAHASSEE - 4:30 PM

TOOK 27 HOME

GAS

MILEAGE - 85648 (?)

PRICE \$77.01

GALLONS - 29

ARRIVED AT FGS AT 6:30 PM

UNLOADED DEP SIERRA

PUT CAMERA & LAPTOP BAG IN OFFICE

ADCP TRAINING:

MUST ESTABLISH MOVING BED TEST  
 FIRST (FOR 5 MINS). THEN START  
 TRANSECT. MIN. OF 3 MINS. NEED  
 AT LEAST 2 GOOD BINS AND 10 ENS.  
 AT EACH BANK (SIDE) DETERMINE  
 LEFT TO RIGHT BY LOOKING DOWNSTREAM.

Location SUW - LRIV/TROY / MEAR Date 10/15/14

Project / Client \_\_\_\_\_

TG / KK / KW

LOADED TAKE - 8PM

- 3 SETS OF 24 VIALS
- 6 CARBON PACKS

LEFT FGS AT 8:30PM

STOPPED FOR TREATS - PUMPKIN BUTTER

ARRIVE AT MEARSON - 11:00AM

- BOTTLE 15 AT 12:00 (READ AT ARRIVAL)
- BATT 12.64V
- LABELLED VIALS #1-14
- RIVER DROPPED - BELOW BOTTOM SET
- ALL 14 SAMPLES COLLECTED - ALL CLEAR
- SET TO BOTTLE 1 AT 12:00
- COLLECTED CARBON - 11:20AM R-1
- DEPLOYED CARBON

TROY - 12:00 - JUST TOOK SAMPLE

BOTTLE 16 AT 0:00

BATT 12.63V

• ALL 15 SAMPLES TAKEN

• SAMPLE #15 WAS COMPLETELY FULL - SPILLED <sup>R-1</sup> ~~OVER~~ INTO ~~DRUM~~ <sup>KW</sup> BOTTOM DRUM

- SET TO BOTTLE 1 AT 0:00 10/16/14 - R2
- COLLECTED CARBON
- DEPLOYED CARBON - 12:30
- \* TOOK EXTRA TUBING & CAPS FROM DRUM

Location SUWDate 10/15/14

Project / Client \_\_\_\_\_

TG / KK / KW

Scale \_\_\_\_\_

WITH US - LEFT AT 1PM

MEET JEN &amp; AMY

ASK ABOUT USING THEIR SHOP TO PUT UP GUIDES

LITTLE RIVER 3:00PM

• TRASH CAN WAS FLOODED ABOVE THE BATT

• ISCO READS - FATAL ERROR - DISTRIBUTOR JAMMED

• POKED HOLE IN THE SIDE OF TRASH CAN TO LET WATER RUN OUT

• ~~ALL~~ SAMPLE BOTTLES #1-13 FILL TO 1000 ML - WATER IN BOTTOM OF DRUM.

• COLLECTED #1-13 - BELIEVED THAT BOTTLES FLOATED & JAMMED ARM

• BATT - 12.66V - WORKING FINE

\* CALIBRATE SAMPLE - ENABLED \*

• REPROGRAMMED ISCO 71

RECOVERED CARBON

DEPLOYED CARBON 3:30PM R1 10/15

SET ISCO BACK UP - TOOK PHOTOS ON TG CELL

LEFT LRIV 4:15PM

CARBON PACKET DETACHED FROM ROCK

Location PERRY → SUW

Date

10/15/14 -  
10/21/14

Project / Client

TG / KW (DAY TRIP)

FOUND ON SAME SHELF WHERE ROCK SITS

- ATE LUNCH AT SISTERS

HEADED BACK TO TALAHASSEE - 4:30 PM

RETURN TO FGS AT 7 PM

PULLED UP SCOUT PRES FOR TOM

10/21/14

LOADED TAHOE AT 8 AM

LEFT FGS AT 8:45 AM

MEET WITH RANDY AT FWC AT 10:45 AM

RANDY HAVENS - 10:15 AM AT FWC HQ

- LIDAR - PAUL MACHANIC?

- FLIR UNIT ON HELICOPTER?

- FIND GROUNDWATER - EASIER IN WINTER

- PROCESS OF WRITING PROPOSAL

- 90,000 ACRES OF STATE PROPERTY

RANDY: CONCERNED FOR UNPROTECTED SPRINGS,

WOULD LIKE SHP FILES OF SPRING &amp; LOCI

WANT TO DO WATER CHEMISTRY?

LIDAR - AVAILABLE FOR TAYLOR COUNTY, HOWEVER,

THERE ARE GAPS. USING THERMAL ALONG WITH

LIDAR TO IDENTIFY POSSIBLE LOCI

\* DEC 12<sup>th</sup>.

- USE LIDAR/THERMAGRAPHY TO FIND

Location SUW

Date 10/21/14

Project / Client PERRY WITH FWC (AM)

TG

Scale

POTENTIAL SITES, THEN GO OUT ~~AM~~ ON THE GROUND TO VERIFY.

- VEHICLE FOR GROUND SEARCH?

MARSH TROOP? AIR BOAT?

- POSSIBLE NUTRIENT ISSUES? VEGETATION?

- GRANT - JUNE 30 / JULY 1<sup>ST</sup>

2015 - 2016

- JENA, HICKORY, SNIPE ISLAND,

- MANY IN HAMMOCK ENVIRONMENTS

- HELI AERIAL UNIT - FLIR

- FORWARD LOOKING INFRARED RADAR

MEARSON - 12:20 PM

- WATER APPEARS TO HAVE DROPPED W/IFT

- BOTTLE 14 AT 0:00 (READ AT ARRIVAL)

- BATT 12.58V

- ALL 13 SAMPLES COLLECTED - CLEAR

- SAMPLES 1-13 R-2

- BOTTLE 1 AT 0:00 10/22/14

- CARBON PACK RECOVERED

- CARBON PACK DEPLOYED R2 - 12:55 PM

- TOOK PICTURES WITH UNDERWATER CAMERA.

TROY - 1:40 PM

- CHANGE BATT IN CAMERA

- ARRIVE BOTTLE 13 AT 0:00

- 12 SAMPLE BOTTLES COL

10/21/14

TG

#1 ~600ML

#3 COMPLETE FULL

#5 ~700ML

#7 ~600ML

#9 COMPLETE FULL

#11 COMPLETE FULL

ROUGHLY 1-2 INCHES OF WATER IN  
BOTTOM DRUM

BATT. 12.67V

RECALIBRATED ISCO - RAN DIAGNOSTICS

RAN INTO PETE &amp; DIVERS AT TROY

CARBON PACK - R1 - RECOVERED - 2:35PM

CARBON PACK - R2 - DEPLOYED - 2:40PM

TOOK PICTURES WITH UNDERWATER CAMERA

LITTLE RIVER 4:00PM

SITE LOOKS UNTOUCHED STILL

ARRIVED BOTTLE 13 AT 0:00 10/22

ALL SAMPLE COLLECTED HOWEVER EVERY

ODD BOTTLE (1, 3, 5, 7, 9, 11) WAS  
COMPLETELY FULL

WATER IN BOTTOM OF DRUM (LOTS)

RECOVERED CARBON PACK (R1) 4:30PM

DEPLOYED CARBON PACK R2

LEFT AT 5PM

SUW → FGS

10/21/14

10/29/14

TG

Scale

HEADED BACK TO TALLAHASSEE

DID NOT GET GAS IN PERRY

NEED TO STOP TOMORROW

BACK IN TALLAHASSEE AT 7:15PM

UNLOADED VEHICLE

SAMPLE 3 VIALS IN FRIDGE

TROY - OFF HWY 27 - STATE RD 425 (L)  
(R) NE JEFF WALKER RD

L RIV - PAST TROY - OFF 27.

(L) US-129 N/SUW AVE.

(L) CO. RD 248

10/29/14

LEFT FGS AT 8:15AM

STOPPED FOR ICE AT 8:45AM

ARRIVED AT TROY SPRINGS - 11AM

SAW TARA SERVING INSTRUMENT ON  
BACK ENTRANCE RD.READ ISCO: FATAL ERROR DISTRIBUTOR  
JAMMED

SAMPLED 1-14

#1/2/12/14 - ~400ML

ALL OTHERS (3-11 &amp; 13) ARE COMPLETELY FULL

Location SUNDate 10/29/14Project / Client ISCO / CARBON SAMPLESKK / TARA ROGERS

BATT: 12.47V

SET TO TAKE BOTTLE 1 AT 12:00 10/29/14

WATCHED TROY TAKE 12:00 SAMPLE

LEFT TROY AT 12:10PM → CARBON PACK  
RECOVERED &  
MEARSON - 12:30PM DEPLOYED

GATE #2 &amp; 3 OPEN

LOOKS LIKE WATER LEVEL DROPPED ~ 1 FT

BATT: 12.54V

ARRIVED. BOTTLE 17: ~~00~~ 0:00 10/30/14

SAMPLES 1-16 COLLECTED

CARBON PACK RECOVERED &amp;

PND DEPLOYED PACK - 1:00PM

HEADED TO LRIV

LRIV - 1:40pm

BATT - 11:06V

SAMPLES 1-9 TAKEN - COMPLETELY FULL

ERROR MESSAGE DISPLAYED AT ARRIVAL

TOOK TWO MANUAL SAMPLES (LOWERED  
THE HEAD TO 8 FT & SUCTION LINE  
TO 25 FT)

→ ISCO STILL TOOK OVER 1000 ML SAMPLE

CAVE DIVERS GAVE US THE CARBON PACK

FOR US. I REPLACED THE PACK. - SLIGHTLY  
TO THE LEFT AND NOT AS FAR BACKLocation SUNDate 10/29/14

Project / Client \_\_\_\_\_

KK / TARA

Scale \_\_\_\_\_

DROPPED OFF TARA AT TROY ~ 3:15PM  
GRABBED FOOD AND HEADED BACK TO  
TALLAHASSEE\* CALL FROM TOM - LEAVE VOLT METER  
ON SCOTTS DESK - NEED ANOTHER  
VOLT METER\* POSSIBLY GO TO LRIV ON MONDAY?  
MAYBE REPLACE KCO? OR REPLACE  
BATT?

RETURN TO FGS AT 5:50PM

MILEAGE 167063

Location SWW

Date

11/3/14

Project / Client

KK & TR

LOADED TAMOE  
LEFT FGS AT 10AM WITH KK  
STOPPED AT ~~FGS AT 10AM~~ KW  
WINN DIXIE FOR: WATER, GATORADE  
AND ZIPLOC BAGS

WENT TO LAFAYETTE STATE PARK  
FOR CABIN KEY/CHECKIN  
WAS ABLE TO FIND PARK RANGER  
TO LET US INTO THE 'SHOP AREA'  
WHERE OUR BOAT IS.  
PICKED UP ISCO AND BATTERY FOR  
LITTLE RIVER  
MEET TARA AT LITTLE RIVER AT  
2 PM

CHECKED ISCO

BATTERY: 12.54V

SAMPLES 1-10 - OVERFULL (ISCO DID  
NOT READ ERROR - WAS SET TO COLLECT  
BOTTLE 11 AT 0:00 ON 11/4/14)

CHANGED OUT ISCO FOR LITTLE  
RIVER ISCO.

LEFT BATTERY AT LRIV BECAUSE IT HAD  
A GOOD CHARGE

\* NEED VOLT METER

Location SWW

Date

11/3 - 11/4

Project / Client

KK

Scale

\* WAS ABLE TO SIMPLY UNPLUG BATT  
WIRES FROM ISCO & ATTACH TO NEW  
ISCO

HELP TARA ROGERS WITH FLOW  
MEASUREMENT AT LRIV - USING A  
PRICEMETER

I WADED IN THE WATER COLLECTING  
20 POINTS - 40 SECONDS FOR EACH  
PT. (COUNTED GLICKS WITH HEADSET)  
AT 60% OF THE WATER LEVEL  
WHICH IS MEASURED WITH THE  
INSTRUMENT

RETURNED TO LAFAYETTE CABIN  
UNLOADED GEAR  
FINISHED AT ~8 PM

11/4/14

LOADED VEHICLE

TROY: 10:30 AM

SAMPLES 1-11 COLLECTED

#1-3 - NORMAL

#4-11 - FULL

ENDING  
BECAUSE OF DAYLIGHT SAVINGS - HAD TO SET  
TROY ISCO TO TAKE NOON SAMPLE AT  
13:00 AND MIDNIGHT SAMPLE AT 1:00  
AM

Location SWW

Date

11/4/14

Project / Client

KK/TR

LOWELED SUCTION HEAD TO GFT  
TOOK MANUAL SAMPLE - GOOD

~~W~~ ATTEMPTED TO GO TO MEARSON SPRING.

SECOND GATE (CODE #1127) WOULD NOT WORK

CALLED LANA OSTEEN - TOLD US THERE IS A SECOND ENTRANCE (JUST LEFT OF THE SECOND GATE)

WENT TO ROYAL SPRINGS WITH TR - 2PM

TOOK FLOW MEASUREMENTS

WENT TO PROPERTY ~~NE~~ NEAR ~~THE~~ ROYAL SPRINGS TO LAUNCH CANOE (ACROSS THE RIVER FROM MEARSON)

COLLECT SAMPLES #1-12 AT MEARSON

ARRIVED: BOTTLE 13 AT 0:00

SAMPLES #7 & 9 WERE 3/4 FULL

ALL OTHER SAMPLES WERE NORMAL  
COLLECTED ROUND 4 - SET TO R5  
STOPPED IN DERRY FOR GAS

BACK AT FGS AT 0:15PM

Location SWW

Date

11/12/14

Project / Client

11/13/14TCR/KK/KW

Scale

LOADED ~~VEHICLE~~ <sup>KW</sup> TAHOE  
LEFT FGS AT 3:45 PM

GATECODE 0650

STOPPED TO PICK UP GEAR SETUP  
FOR ACMS

THEN STOPPED  FOR FIELD SUPPLIES  
BACK TO CABIN AT ~7:30 PM.

11/13/14

LOADED VEHICLE AT 6:50 AM  
HEADED TO CAMP WOOD FOR  
STURGEDON IMMERSION

→ GULF STURGEDON IMMERSION XVI - 8:45 AM

JOHN DINGLES - SRWMD

- 1/5 RIVERS IN N. HEMISPHERE THAT FLOWS FREE
- DISCHARGE, CONDUCTIVITY,  $\frac{1}{2}$  NO<sub>x</sub> FOR TROY SPRING
- EAGLE LAKE PROJECT - PUMP WATER TO RUN MINE SYSTEM - WATER WILL BE REUSED
- DENITRIFICATION WALL - SHOWN TO REMOVE +6000 LBS. OF NITRATE ANNUALLY

Location SUW - STURGEON

Date

11/13/14

Project / Client

TG/KK

MEGAN WEATHERINGTON - SRWMD  
(DATA QUALITY CONTROL, DATA COLLECTION  
3 REQUESTS)

- SUW BASIN - 10,000 sq MILES
- 2009 RECORD LOWS FOLLOWED  
BY A 10-DAY RAINFALL EVENT  
THAT CAUSED A RECORD FLOOD
- EXTREMES

• MY SUWANNEE RIVER .COM

BOB KNIGHT - SPRINGS RESTORATION

- FLOW DEGRADE / WATER QUALITY DECLINE
- RAINBOW - VERY POLLUTED 2ML NO.
- FL RAINFALL INTAKE ~150 BGD
- EVAPORATION ~107 BGD
- TOTAL GROUNDWATER DISCHARGE A DAY  
IS ~13.9 BGD (UPPER FL AQUIFER)
- "LIMESTONE PIPELINE" - USED BY MAJOR  
AREAS LIKE - JAX (DWAU) TAMPA,  
POK, ORLANDO
- LOSS OF PLANT HABITAT BC OF HIGH  
NITRATE LEVELS IN THE FL AQUIFER  
UNCONFINED
- A TON OF NITROGEN IN WAKULLA A DAY
- CONSUMPTIVE USE PERMITS

Location SUW - STURGEON

Date

11/13/14

Project / Client

TG/KK

Scale

KEN SULAK - CHANGES IN SUW RIVER  
ECOSYSTEM

- WILLIAM BARTRAM - DESCRIBED THE  
SUW AS COMPLETELY CLEAR ~1800s
- NEVER MENTIONED STURGEON IN THE  
SUW.
- STURGEONS - FEED IN ESTUARIES AS  
JUVENILES & THE GULF AS ADULTS
- LOSS OF 100% OF OYSTER REEFS OFF  
SUW ESTUARIES IN THE LAST 3 DECADES

KATIE GLODZIK - TRENDS IN SUW  
DISCHARGE OVER 60 YRS

- DISCHARGE SEASONAL HIGH  
FEB-MAY (PEAK IN MARCH & APRIL)
- HIGH & LOW FLOW SEASONS HAVE  
DROPPED. - BUT INCREASING  
VARIABILITY
- WHY THE CHANGE?  
• GROUNDWATER EXTRACTION  
• LAND USE  
• RAINFALL CHANGE
- CAUSING CHANGES IN SALINITY -  
IN MARSH HABITAT & ESTUARIES

MEET WITH JILL HEINERTH - IPM  
RECEIVED SIGNED PHOTOGRAPH!

MEET WITH PETE TO DISCUSS ACM SETUP

• MAKE 1 OR 2 SETS OF SMALL FEET FOR LITTLE RIVER

• WORRIED ABOUT MUD AND CLAY

• USE A FITTING WITH TWO BOLTS

\* EXTENSIONS FOR OVERALL HEIGHT ON VERTICAL BAR

- ONE TALL & ONE MED

• HEIGHT OF CAVE CEILINGS ARE 8+ FEET HIGH

\* ON EXTENSION DRILL

MULTIPLE PIN HOLES

(PAIRED HOLES) WITH

COLORS FOR HEIGHT -

(INCHES APART

• PROTOTYPE MAY

BE PERFECT FOR

CONVICT WITH

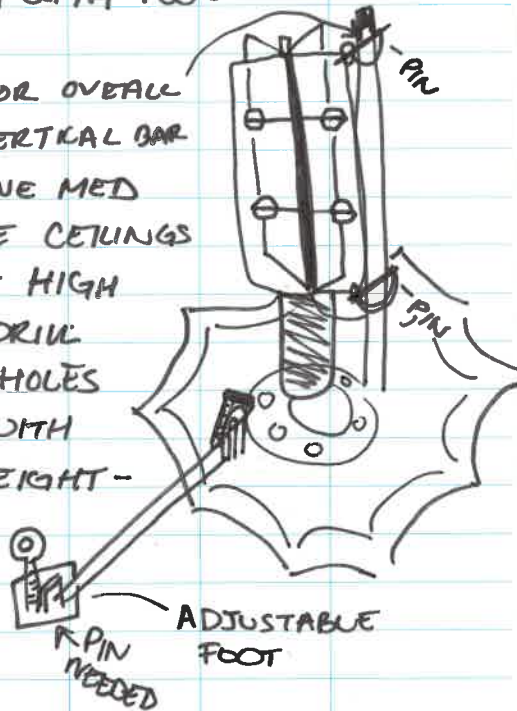
SHORTER FEET

\*  $\frac{3}{8}$  STAINLESS (WORKS WELL)

\* BOLTS WILL RUST TIGHT

• AT LEAST 6 FT EXT

• WASHERS FOR ACM (KEEP IT STEADY?) AND TIGHT



\* NOTCH GEAR AT FEET

\* THIN VERTICAL BAR (FOR LESS RESISTANCE)



• BRING BRICKS OR SPRINKLER DONUTS?

\* MAKE ZIP TIE WEIGHT FOR CABLE W/ SPRINKLER DONUTS

• EVERYTHING WILL BE STAINLESS STEEL EXCEPT GEAR BASE

→ CONFIRM IF ACM USES BEAM TO MEASURE FLOW - ETC.

• IF SO... KEEP SETUP SHORTER

\* BRING A 120 GENERATOR

(SHALLOW)  
PETE - DO CONVICT & FALMOUTH ON THE SAME DAY & PEACOCK & LAF BLUE ON THE SAME DAY (DEEP)  
THEN LITTLE RIVER ON ITS OWN DAY.  
LRLH IS DEEP.

\* KEVIN LOCKWOOD - CALL

ASK FOR DETAILS ON ACM IN GINNIE SPRING - MOSTLY BATT PACK

- SIGN FOR SETUP (FGS, DO NOT PLACE OR TIE OFF LINES ON THIS DEVICE)

Location SUV

Date

11/13/14  
11/14/14

Project / Client

TG/KK

- USE BOLTS INSTEAD OF PINS?
- OVERSIDE BOLT HOLES ON GEAR BASE FOR FEET
- 18-24 INCH FEET
- LOTS OF LONG BLACK WIRE TIES
- COAT W/ A CAN OF RUSTOLEUM - PREVENTS RUST
- BLACK, GREEN, DARK GREY?
- BACK AT CABIN AT

11/14/14

MILEAGE 108700

CLEANED CABIN &amp; LOADED TAHOE 8:30AM

CHECKED SINKHOLES SEEN ON LIDAR 9:30AM

DONNA WALKINS

254.3105

MEARSON 10:25AM

- BOTTLE 20 AT 12:00

- ALL BOTTLE NORMAL EXCEPT #7 (80% FULL)

- SAMPLES #1-19 COLLECTED - R.5

- CARBON PACK DEPLOYED

- CARBON COLLECTED 10:45AM R.4

- BOTTLE 1 AT 12:00

ERIK SRWMD

386.688 - 0860

Location SUV

Date

11/14/14

Project / Client

TG/KK

Scale

## RESULTS FROM TOM ALEY:

|      |          |          |
|------|----------|----------|
| TROY | F - 2.10 | R - 4.28 |
| MEAR | F - 3.77 | R - -    |
| LRIV | F - 3.07 | R - 20.0 |

## TROY 11:30AM

- ARRIVED - ERROR WITH DISTRIBUTOR
- SAMPLES 1-8 COLLECTED - R.5
- 1, 2, 4, 6-8 - COMPLETELY FULL
- #3 & 5 - NORMAL
- BATT. 12.46V
- CARBON COLLECTED & DEPLOYED R.4 AT 11:45 AM

DENNIS - TROY PARK

PRILLIMAN # 352.502.3033

## LRIV 12:00PM

- BOTTLE 23 AT 0:00

SAMPLE #6 DRY

#8 SMALL AMOUNT (1/4 <sup>VIAL</sup> FULL)

#9 &amp; 10 DRY

#11 SMALL AMOUNT (3/4 <sup>VIAL</sup> FULL)

#12 SMALL AMOUNT (FULL VIAL)

78 Location SUW ? HOMOSASSA Date 11/14/14  
Project / Client 11/21/14  
TG/KK

#14 SMALL AMT (DROPS)  
#15 SMALL AMT (1 DROP)  
#16-21 DRY  
#22 SMALL AMT (1/4 VIAL FULL)  
CARBON PACK COLLECTED - R4 1PM  
CARBON PACK DEPLOYED  
\* TOM SET <sup>PACK</sup> FURTHER IN THE VENT  
RETURNED TO FGS AT 4:45PM  
FILLED OUT TIMESHEET ? SUBMITTED

11/21/14  
STAYED AT LAF STATE PARK  
DROVE DOWN BY MYSELF ON THURS  
(11/20/14) - 8:30PM  
UNPACKING CABIN / LOADING <sup>SIERRA</sup> TAHOE  
TO GO TO SPRINGS MEETING - 7AM  
HEADED TO HOMOSASSA (1.5 HR DRIVE)  
MEETING AT 9AM - HOMOSASSA S.P.  
- TOOK NOTES IN SHRUG PORTFOLIO  
LEFT HOMOSASSA TO FANNING SPRING  
TO PICK UP TAHOE FOR TOM  
KARLEE & I IN SIERRA  
RETURN TO FGS AT 7PM

79 Location TALLAHASSEE/SUW Date 11/25/14  
Project / Client 12/3/14  
TG/KK Scale

WENT TO WAREHOUSE TO PICK UP  
TRAILOR FOR METAL  
LOCK CODE 2943  
HEADED TO KEWYS SHEET METAL

12/3/14  
LOADED FGS AT 10  
STOPPED AT FWC BIG BEND OFFICE  
SPOKE WITH RANDY HAVERS.  
WANTS AVIALABLE LIDAR DATA ?  
THERMOGRAPHY THAT IS AVAILABLE  
INCLUDES GROUND TROOPING  
A PROPOSED BUDGET WHICH INCLUDES  
WHATEVER INCLINE WE ARE GOING  
TO PROVIDED  
SPRING CREEK "TAYLOR COUNTY"  
IS PROJECT STUDY AREA  
WOULD BEGIN JULY '15  
MEARSON 1:45PM  
RECOVERED CARBON 2PM  
DID NOT DEPLOY.

SUW-DEAD  
RIVER12/3/14 -  
12/4

KK/TG

TROY. 2:50PM

MEET WITH TARA ROGERS

UNABLE TO RECOVER THE CARBON  
PACK BECAUSE OF VISIBILITY

WATER WAS DARK AND 'STIRRED UP'

WILL ATTEMPT TO RECOVER THE

CARBON PACK TOMORROW

LITTLE RIVER 4:05PM

WATER HAS RISEN - ALMOST TO THE  
STAIRWELL - 2FT

RECOVERED CARBON PACK 4:20PM

DID NOT DEPLOY CARBON PACK

BACK TO THE CABIN AT 9PM

12/4/14

MEET WITH JILL (LAF PARK RANGER)

AT 8AM TO DISCUSS PERMITS

MEET WITH BYRDS LUMBER FOR  
LUNCH

WENT TO DEAD RIVER FOR RECON 2PM

COMBO LOCK: 1006

SUW

12/17/14 -  
12/18/14

KK &amp; TG

12/17/14

LOADED TAHOE WITH MOORING  
DEVICES, INSTRUMENTS, CABLES,  
BATTS, DONUTS, BOXES, ETC.

LEFT FGS AT 5:45.

STOPPED TO PICK UP STAINLESS  
STEEL BOLTS IN WEECKEANA?CABIN #5 - LAF BLUE STATE PARK  
BACK TO CABIN AT 11PM

12/18/14

ASSEMBLED TREE STAND FOR  
LAF BLUE - ONLY ONE LADDER LEG  
WENT TO SHOP & DRILLED HOLES IN  
LADDER LEG & RAILINGS FOR BOXES  
TO KEEP THEM FROM SLIDINGWENT TO MAYO HARDWARE FOR  
BOLTS, WASHERS, ETC.

WENT TO PEACOCK SPRINGS

PEACOCK SPRINGS. 2:00PM

ASSEMBLED TREE STAND

USED ALL THREE LEGS

SET UP PULLEY SYSTEM (HAUL BATTS)

Location SUW

Date

12/18 -

Project / Client

12/19

KK / TG

CABLED TREE STAND TO TREE FOR  
TMRW MORNING 3:45 PM

WILL RETURN AFTER LAF. SETUP

LAF SP

~~SP~~ SET UP 480 FT  $\pm$  250 FT  
CABLES ON SPOOLS

FINISHED AT 7 PM

12/19/14

CLEANING CABIN AT 7 AM

LAF SP

BEGAN SETUP / PETE CAME OVER AT  
8:30 AM TO DISCUSS

NEED TO STAGE DOWNLOAD STATION  
WITH TREESTAND, BOXES, BATT, CABLES

NEED TO PUT IN WOOD RAILINGS ON  
STAND TO HOLD GREEN BOXES

MOORING DEVICE -- VTRACK FPO11

ACM - 1184

CTD - 1436

CABLE - 256' SPOOL

BATT #1 (12/17: 12.76V)

MARK &amp; PETE 10:30 AM

RECON DIVE - CHECK OUT AREA/CAVE

Location

SUW

Date

12/19/14

Project / Client

TG/KIC MARK LONG? PETE BUTT Scale

PLACED 256' CABLE  $\pm$  INS. IN SPRING  
CAVE W/ HELP OF DONUTS & WIRE TIES.  
SET UP TREESTAND W/ GREEN BOX  
AND RAILINGS (USED TWO LADDER  
PIECES) AND BATT  
NEED TO BOND CABLE WITH COVERING  
TO PREVENT PEOPLE & ANIMALS  
CABLES SET

PEACOCK SPRING 3:30 PM

BEGAN SETUP

BATT #2 (12/17/14 = 12.86V)

INS S/N 1184 7-1a

CABLE - DELIVERED BY SCINDY.

V200 FT

COMM CABLES - 1184 <sup>7-1a</sup> - TESTED GOOD

SETUP TREE STAND - 3 LADDER PIECES  
AND CAMO RACHETTES FOR  
EXTRA STABILITY

NEED TO ~~REPLACE~~ <sup>HIDE</sup> OR MOVE CABLES -  
CONCERNED ABOUT BEAVERS  
PIPING FOR CABLES?

Location SUW / TALLY Date 12/19 3  
 Project / Client 12/22  
KK / TCG

ARRIVED AT FGS - UNLOADED VEHICLE  
 FINISHED AT 9:30 PM

12/22/14

PETE BUTT

AVAIL - WEEK JAN 5TH

SUW SP - 1/5

CONVICT - 1/6 3 7th } SIERRA

CALL SUW - DROP MOORING DEVICE?

RESCHEDULED WITH DIVERS BECAUSE OF  
 BAD WEATHER - SEVERE STORM

CONVICT FAX

# 386.294.1133

RESERVATION 1/6 - 1/7

STOPPED AT WAUKEENAH FERT. 1:30 PM  
 TO PAY FOR BOLTS - PCAD PURCHASE

NEED TO MAKE COPIES OF KEYS <sup>PUT</sup> IN  
 ORANGE BOX

Location SUW - PEACOCK Date 12/22/14  
 Project / Client KK / TCG Scale

BOUGHT FLEXIBLE PIPING AT MAYO  
 HARDWARE STORE TO PUT CABLE  
 IN.

STRUNG CABLE THROUGH AND  
 BURIED

PUT REMAINDER OF CABLE IN  
 GREEN METAL BOX ON TOP OF  
 TREESTAND

WILL RETURN IN ONE WEEK  
 TO BURY LAFAYETTE BLUE CABLE  
 RETURNED TO FGS AT 9 PM.

Location SWWDate 1/5/15: 1/6/15

Project / Client

TG / KIK

LEFT EGS AT 4:40 PM

STOPPED AT BASSPRO FOR FIELD BOOTS (TG)

STOPPED FOR GAS

RIVER HAS RISEN ROUGHLY 11 FEET

IN THE LAST TWO WEEKS

RETURN TO CABIN AT 9 PM

1/6/15

CLEAN AND UNPACKED CABIN AT 9 AM

CHECK RIVER STAGE - "MIDDLE EARTH"

WAS ALMOST COMPLETELY SUBMERGED

SPOKE WITH CRAIG - PARK MANAGER

WENT BY FALMOUTH TO CHECK WATER

COLOR, QUALITY, FLOW

FALMOUTH - MILKY BROWN WITH

TURBIDITY, FLOW WAS REVERSED,

WATER WAS UP A FEW FEET

\* SEEMS TO BE EARLY IN THE SEASON

FOR RIVER REVERSAL &amp; STAGE RISE

PEACOCK SPRINGS 11:30 AM

ORANGE GROVE - COVERED IN DUCKWEED  
AND DARK

OLSON SINK - DARK &amp; CLOUDY

Location SRW/MDDate 1-6-15

Project / Client

TG / KK

Scale

12:03 PEACOCK 3

SET UP FALMOUTH ACM 1187

CONFIG 30 min / AVE. 5 min

BATTERY #1/TG 2 12.79 VOLTS

\* SPRINGS 2011 (CHECK IF  
"PEACOCK SPRINGS" LOCATION IS ACTUALLY  
PEACOCK 3 OR RANDOM LOCATION)

? GPS X - 83.133154 Y 30.123226

CURRENT RIVER STAGE @ BOTTOM  
OF STEPS OF THE TREE STAND.

PICTURES K. KURSTENER

3:52 PM LAFAYETTE BLUE

BATT = 12.67V (BATT #1)

COMMUNICATION CABLES WORKED - OVERALL

SET TIME INTERVAL TO 30 MINS

SAMPLE INTERVAL = 5 MINS

AVERAGING = 5 MINS

DELAY START 1/6/15 @ 19:00 KW

COMM CABLE 1187 (PEACOCK) TESTED

GOOD WITH (LAF BLUE) 1184 ACM

NEED TO TROUBLESHOOT WITH FALMOUTH

SAW WOODPECKER AT WORK

Location SUW-LAFDate 1/6/15

Project / Client \_\_\_\_\_

TG/KK

WILL NEED TG TO DRILL HOLES IN BOTTOM  
METAL GRATE OF TREESTAND FOR CABLE  
TO COME THROUGH. WILL OFFICIALLY  
DOWNLOAD AFTER THIS.

GPS X COORD -83.

Y COORD 30.

\* INS SET TO 19:00 - BECAUSE OF TIME CHANGE

\* 2  
SUCCESSFULLY DEPLOYED LAF BLUE  
INSTRUMENT AT 19:00 (~5:15 PM)

• WHEN DEPLOYMENT & CABLE PLACE-  
MENT FINISHED)

19:00 - INSTRUMENT WILL BEGIN  
TAKING SAMPLES AT 6 PM - 1/6/15  
EVERY 15<sup>30</sup> MINS.

LOADED VEHICLE - DROPPED OFF  
ONE OF THE GREEN METAL BOXES AT  
SUW STATE PARK

RETURNED TO FGS AT 9:30 PM

UNLOADED TAHOE ON THURS.  
1/7/15 AM

PUT BATTERIES & DONUTS FROM TAHOE  
SIERRA INTO THE TAHOE

Location FGS → LAF BLUEDate 1/13/15 -

Project / Client \_\_\_\_\_

1/14/15TG/KK

Scale \_\_\_\_\_

LAF BLUE SPRINGS · CABIN #4

GATE CODE = 1745

LOADED TAHOE W/ LAPTOP AND  
FIELD SUPPLIES

SCHEDULED TO MEET WITH ERICH  
TOMORROW MORNING @ 9:30 AM

MEET WITH TARA ROGERS IN HIGH  
SPRINGS

RETURNED TO CABIN (#4) AT 11:30 PM  
GATE CODE = 1745

1-14-15

LOADED TAHOE AT 8 AM

CREATED LAPTOP PRESENTATION FOR  
ERICH - LITTLE RIVER DYE TRACE  
WATER SAMPLE AND CARBON PACK  
RESULTS

MEETING WITH ERICH AT SRWMD  
AT 9:30 AM

WILL MEET WITH TARA ROGERS TO  
DO FLOW MEASUREMENTS AFTER.

DATA

SLOPE FROM MEARSON - BRIV  
AS WELL AS GRADIENT FROM INTRO.  
SITES TO DETECTION SITES

Location SUWDate 1-14-15

Project / Client

KW/KK/TC

- \* LRV INTRO / DETECT MAP - TOO LIGHT  
NEED DARKER BOLDER FEATURES
- \* FUTURE TRACES - COLLECT WATER QUALITY  
SAMPLE AT INTRO SITES BEFORE DYE  
INTRODUCTION - (REACTION B/T TANIN  
WATER & RHODAMINE WT)

- \* SEND ERIC QUOTE FOR M9
- \* SUCRALOSE MAP - POE? MANATEE?  
- LOOK AT CHIEFLAND  
SINK AT FDOP POND  
LONG POND - LIDAR TRACE
- \* 2008 (GATE) SRWMD  
LEFT MOORING DEVICE AT SRWMD  
SHED (IN BACK) WITH INSTRUMENT

## LAF BLUE STATION

- \* BATT: 12.64V
- \* ~~DOWN~~ DOWNLOADED DATA TO  
LAPTOP
- \* REDEPLOYED INSTRUMENT  
EVERY 30 MINS, FOR 5 MINS  
STARTED DELAY TIME AT  
13:30:00 (1:30 PM)

Location SUW - LAFDate 1/14/15

Project / Client

KK/TC/TR

Scale

## FLOW MEASUREMENTS WITH TR

- \* DEPTH MAX = 14.5 FT
  - \* TOOK 4 RUNS - NO ERRORS  
MUST WAIT FOR TEN ENS.  
ON EACH SIDE
  - \* LEFT AND RIGHT SIDE DETER-  
MINED BY FACING DOWN-  
STREAM.
  - \* FINAL VELOCITY AVG = ~110
  - \* USED PULLEY SYSTEM.
  - \* BINS ARE NOT ALLOWED  
TO GET LOWER THAN 2  
ON EACH SIDE - THEN WAIT  
FOR TEN ENS
  - \* MUST DO EACH RUN IN A  
MIN OF 3 MINS - LONGER IS  
OK - NOT SHORTER
  - \* MOVING BED TEST IS THE  
FIRST STEP - AVG FOR 5 MINS  
- LETS YOU KNOW IF YOU CAN  
TAKE MEASUREMENT
- RETURNED TO FGS AT 8 PM

Location SUWDate 1-27-15

Project / Client \_\_\_\_\_

KK : KW : TR

LEFT FGS AT 8 AM

MEET W/ TARA ROGERS AT 10 AM

AT LAF STATE PARK

CHECKED RIVER LEVEL

TR DECIDED NOT TO TAKE FLOW  
MEASUREMENT IN THE SAME SINK  
(2ND WINDOW) AS LAST TIMEINSTEAD, FLOW WAS TAKE IN MAIN  
WITH CONTRIBUTING FLOW FROM  
RIVER. FLOW: STILL REVERSED.DARK WATER. LAND BRIDGE WAS  
NOT VISIBLE. MEASURE IN SPRING RUN.ATTEMPTED TO TAKE MEASUREMENT  
SEVERAL TIMES. IT APPEARS THAT AN  
EDDY MAY HAVE BEEN DISRUPTING  
MEASUREMENTS. FINAL FLOW WAS  
ESTIMATED BY TARA AND LATER  
EMAILED. AROUND 100 CFS..

LEFT LAF BLUE AT 1:30 PM

STOPPED BY CONVICT TO HAVE SITE  
ACCESS FORM SIGNED. SUSIE (OWNER)  
WAS OUT OF TOWN.

RETURNED TO FGS AT 5:30

UNLOADED TAMOE

Location SUW-PEACOCKDate 1.31.15

Project / Client \_\_\_\_\_

KK / KW / TG / TR / ML

Scale \_\_\_\_\_

LEFT FGS AT 8 AM

ARRIVE AT PEACOCK AT 10:30 AM

MEET TG, TARA &amp; MARK

REPLACED CABLE (256') WITH  
100 METER CABLE.

TESTED OK.

TOOK FLOW MEASUREMENT

} KK

BATT: 12.85V

DEPLOYED CABLE TO TAKE DATA  
ONCE EVERY 30 MINS, AVERAGING  
FOR 5 MINS.

DELAYED START AT 2 PM

(14:00:00)

RAN CONDUIT PIPING THE ENTIRE  
LENGTH OF CABLE ON LAND  
SURFACE - REBURIEDDID NOT USE ANY ADDITIONAL  
DONUTS-BOUGHT ~~500~~ WIRE TIES AT  
MAYO HARDWARE - KK

RETURNED TO FGS AT 7 PM

UNLOADED TAMOE COMPLETELY.

Location SUW - LAFDate 02/05/15

Project / Client \_\_\_\_\_

KK / KW

FGS

LOADED FORD VAN w/ DONUTS,  
FIELD BOX, LAPTOP, ETC.

LEFT FGS AT 10 AM

LAF BLUE

TALKED WITH CAMP HOST AGAIN  
ARRIVED AT ~12:45 PM

BATT: 12.56V

EVERYTHING LOOKS UNTOUCHED

WAITED TILL 1:10 PM TO

DOWNLOAD DATA, IN ORDER FOR

IT TO COLLECT ANOTHER

MEASUREMENT AT 1 PM

KK TIED DONUTS AROUND

CONDUIT

DOWNLOAD SUCCESSFUL - 1:00 PM

DEPLOYED INSTRUMENT - 1:15 PM

30 MINS - 5 MIN AVERAGING

DELAYED START 13:30:00 (1:30 PM)

2015-02-05

PEACOCK SPRINGS

ROAD WAS FLOODING - DID NOT  
WANT TO GET VAN STUCK SO

Location SUW - PEADate 2/5/15

Project / Client \_\_\_\_\_

KK / KW

Scale \_\_\_\_\_

WE WALKED THE LAPTOP &  
SUPPLIES INTO PEACOCK.

POKED HOLES IN CABLE - TO  
ALLOW RAIN WATER IN - SO THE  
CABLE WILL NOT FLOAT WHEN  
THE RIVER FLOODS.

CHECKED BATT - GOOD.

DOWNLOADED DATA

DEPLOYED INSTRUMENT TO COLLECT  
FOR 5 MINS EVERY 30 MINS &  
AVERAGE FOR 5 MINS.

DELAYED START 15:00:00 (3 PM)

2015-02-05

LEFT AT 3:30 PM

CONVICT SPRINGS

HAD TO WAIT 45 MINS TO SPEAK  
WITH SUSIE (SHE WAS IN TOWN)

HOWEVER, WE HAD TWO SITE  
ACCESS FORMS SIGNED. ONE FOR  
HER & ONE FOR US.

RIVER WAS UP & DARK -

STILL ~10+ FEET BELOW 20K  
SIGN

STOPPED IN PERRY FOR GAS  
RETURNED TO FGS AT 8 PM

Location SHAW SUWDate 3-4-15

Project / Client

3-5-15TG / KK3-4-15

LOADED TAHOE W/ LAPTOP CASE, STATE  
MAP TOOLBOX & COOLER.

LEFT FGS AT 3:30PM

RESERVED CABIN #23 (LOG CABIN)

STOPPED AT DOLLAR GENERAL FOR  
A JACKET FOR KARLEE

CHECKED IN AT ~9:20PM

UNLOADED TAHOE ~10 PM

3-5-15

UP AT 7:30AM

CLEANED UP CABIN

LEFT FOR LAF BLUE AT 9:30AM  
TO MEET TARA ROGERS

WIN RIVER II

OPEN PARANET FIRST - THIS CONNECTS  
THE COMMUNICATION BETWEEN THE  
INS. & LAPTOP

- COMPASS: ONSITE

- TRANSDUCER DEPTH (FT): 0.3

- MAX DEPTH: 10.4

Location

Date

Project / Client

Scale

OPEN WINRIVER II

- NEW MEASUREMENT

- EXECUTE COMPASS CALI (AS SOMEONE  
SLOWLY TURNS THE BOAT)

START PINNING - FIND MAX DEPTH

SELECT MOVING BED TEST (LET BOAT  
SITE AT MAX DEPTH) FOR 5 MINUTES

START TRANSECT

- 9 FT FROM BANK

- LEFT SIDE FINAL AVG = 178

FINISHED FLOW MEASUREMENT ~178

HEADED TO PEACOCK SPRINGS FOR #  
DOWNLOAD - WATER HAS RISEN - THE  
BOTTOM OF THE TREE STAND IS SEVERAL  
INCHES UNDER WATER

INSERT - DOWNLOADED AT LAF  
BLUE. SITE APPEARED NORMAL  
BATT - 12.40V

SET TO TAKE NEXT MEASUREMENT  
AT 1 PM - 13:00:00

DOWNLOAD AT PEACOCK 3 - SITE #  
APPEARED UNTOUCHED

BATT: 12.69V

SET TO TAKE NEXT MEASUREMENT  
AT 3PM - 15:00:00

WAITED FOR 2:30PM MEASUREMENT  
TO TAKE

\* NEED BACKPACK FOR LAPTOP

STOPPED FOR GAS IN PERRY-FL

+ ALSO HAD LUNCH W/ TARA RODGERS  
AND DISCUSSED RIVER CONDITIONS

+ SPOKE W/ SUSIE (CONVICT SPRINGS)  
ABOUT RIVER CONDITIONS & FUTURE  
WORK

DROPPED TOM OFF W/ HIS WIFE &  
DAUGHTER

RETURNED TO WAREHOUSE AT 8:45P.

UNLOADED TAHOE - 9 PM

LEFT TAHOE AT WH

NEED

BATTS - AAA

GATORADE

WATER

BACKPACK FOR LAPTOP

DARYL GREY

ONE WEEK  
CONTRACTOR - SET UP TURBIDITY, TODAY  
START AT BOAT RAMP TO THE RIVER  
& POST TO FB?

- SO NEXT MONDAY

SOLID WASTE (BETH) WILL BE  
PICKING UP CONTAINER

- TIME: ABOUT 2 WEEKS

DEPTH ~ 3-4 FT DOWN

\* RIVER IS HIGH - SO MAYBE ~ 5 FT DOWN  
\* RIVER STAGE INFO.

DREDGING AT MAIN = 3-4 WEEKS  
SHAPE BANKS ↑

ADD CONCRETE STAIRS ↑

TAKE OUT CABLE FENCING

- 4 WEEKS FOR SLIPS

MAIN - RESHAPE / SOD BANK LAST  
AN ADDITIONAL WEEK

ROUGHLY 6 WEEKS TOTAL AT THIS PT

ADD FENCING 7-8 WKS

Location WACISSADate 3-16-15

Project / Client \_\_\_\_\_

TG/KK

INSTALL ADDITIONAL GATE - FOR LIABILITY  
W/ HEAVY EQUIPMENT (TEMP)

OTHER SIDE OF BOAT SLIP

· WIDER

· CLEAN OUT LILY PADS

3-1 SLOPE W/ SOD ON TOP

BOULDERS TO HOLD BANK BACK

ROPE SWING TREE IS BOUNDARY LINE

\* WATER QUALITY DATA - RICK HICKS

Location SUWDate 05-07-15

Project / Client \_\_\_\_\_

TG/KK

Scale \_\_\_\_\_

PACKED AND LOADED TAHOE ON  
5/6/15 FOR ACM DEPLOYMENT  
GREEN BOX, ACM, MOORING DEVICE,  
BATT, DONUTS, CABLES, BOOTS,  
SHOVELS, ETC.

5/7/15

LEFT FGS AT 8AM

ARRIVED AT SUW STATE PARK CABIN

#5 FOR 10AM PRESENTATION W/  
STAFF MEMBERS

2:10 PM

CHECKED ORANGE - CLEAR BLUE -  
BEAUTIFUL

DOWNLOAD AT PEACOCK STATION -

WAITED FOR 2:30 PM TO TAKE

BATT 12.41V

4:25 PM

LAF BLUE STATION

BATT 12.57V

WAITED TO DOWNLOAD UNTIL

4:30 READING TAKEN

Location SUWDate 5.8.15

Project / Client

TG / KK / PB / MARK LONGCONVICT SPRINGS

CLEANED UP CABIN. 9AM

LOADED VEHICLE

SET STAGE FOR MARK &amp; PETE

10:30 AM

INSTALLMENT OF ACM #1185

PULLED CABLE THROUGH CONDUIT/  
SHEATH. RESPOOLED CABLE.HAD TO TAKE ACM OUT TO  
INSTALL <sup>an</sup> CAP KIT. DRIED OFF  
AND ADDED OIL.LEFT BOX (GREEN) WITH  
CABLE SPOOL INSIDE. LOCKED.  
CONDUIT NEXT TO BOX.GET INFO GAINED FROM  
DIVE (PETE BUTT)

CLEANED UP SITE

5:15 PM

LEFT CONVICT SPRINGS

\* STAGE GAGE - 6.88 FT

FLOOR: 21 FT

CEILING: 17 FT

UNIT AT: 19 FT

RETURNED TO FGS AT 8PM

Location CONVICT SPRINGS Date 5/13/15

Project / Client

TG / KK / ML / PB

Scale

FGS

LOADED TAHOE 8:30 AM

MEET WITH MARK LONG  
CS AND PETE BUTT AT CONVICT  
SPRINGSASSISTED DIVERS WITH EQUIP.  
AND SETUP FOR INSTRUMENT  
DEPLOYMENT  
INSTRUMENT #DUG TRENCH FROM SPRING  
TO CABIN WALL - PLACING  
CONDUIT (FLEXIBLE PLASTIC)  
TUBING (COVERING/PROTECTING  
CABLING). SECURED WITH  
ZIP TIES.GREEN BOX, BATTERY & COMM  
CABLES ARE CURRENTLY LOCATED  
UNDER MAIN HOUSE.INITIALLY UNABLE TO COMMUNIKATE  
WITH INSTRUMENT

BATT GOOD

WILL RETURN NEXT WEEK  
RETURN TO FGS AT 10PM+

Location CONVICT SPRINGS Date 5-19-15

Project / Client \_\_\_\_\_

TG / KK

LEFT FGS AT 9AM

CONVICT 11 AM

TEST CONNECTIVITY WITH NEW  
COMM CABLES / KICKSTART  
WORKED!

BATT STILL GOOD

DEPLOYED INSTRUMENT FOR  
12:00:00 - EVERY 30 MINS,  
FOR 5 MINS, 5 MINS OF  
AVERAGING

WAITED FOR READING. DOWN-  
LOADED DATA. LOOKS GOOD.

REDEPLOYED.

KES OFFICE 1:30 PM

MEET W/ PETE BUTT AT KES  
MAIN OFFICE.

DISCUSSED PROJECT STATUS AND  
GATHERED HISTORICAL DYE  
TRACE DATA ON USB.

MEET W/ TARA RODGERS AT KES  
AS WELL

REGISTERS

CALLED WAYNE REGISTER  
(GARYS BROTHER) TO MEET.

Location CONVICT Date 5-19-15

Project / Client \_\_\_\_\_

TG / KK

Scale \_\_\_\_\_

MEET AT MR. REGISTERS HOUSE  
TO GIVE SITE ACCESS / LIABILITY  
PERMITS TO (FOR POTENTIAL  
DIVERS IN REGISTER SINK)

5PM

VISITED SINKHOLE ON LOCAL  
LANDOWNERS PROPERTY.

RETURNED TO FGS AT 7:30PM  
UNLOADED VEHICLE LEFT AT 8PM

5.28.15

BATT 12.47 V #3

LAF BLUE STATION

↳ BOX #5

↳ BATT CHANGE #3 (THREE)  
TO BATT #4 (FOUR)

Location SDW Date 5.28.15Project / Client HORNSBY, LAF, PEACOCK

TG/CF

FGS 9AM

LOADED TAHOE WITH EXTRA BATTERS(2)

LEFT AT 10 AM

HEADED TO HORNSBY SPRING

AT CAMP KULAQUA TO GAIN

POTENTIAL SITE ACCESS

1:30 PM

SPOKE W/ PHIL AT CAMP

KULAQUA ABOUT SITE ACCESS

FOR FAIRMOUTH ACM INSTALL

LEFT ACCESS FORMS FOR HIM

AND STAFF TO REVIEW

WALKED THROUGH CAMP ZOO!

GREAT FACILITY - ZOO KEEPER

WAS KIM?

LAF BLUE

DOWNLOAD DATA - LOOKS GOOD

BATT #3 12.47V

CHANGED TO BATT #4 12.66V

DEPLOYED INSTRUMENT FOR

17:36:00 (5:30 PM) - EVERY

30 MINS FOR 5 MIN - 5 AVERAGE

SITE LOOKED GOOD

WATER LOW, NOT CLEAR BUT

CLEARER

Location SDWDate 5/28 - 5/29

Project / Client

TG/CF

Scale

CONVICT SPRING KW

PEACOCK SPRINGS

\*SDW CABIN #1 - GATE 0716

CHANGED OUT BATT #2 12.31V

FOR BATT #5 12.65V

DOWNLOADED DATA

DEPLOYED - 'SAME AS LAF'

AT 18:30:00 - 6:30 PM

SHOWED CINDY AREA

AROUND PEACOCK III AND

OLSON SPRING

BACK TO SDW SP AT 10 PM

5.29.15

PACKING TAHOE AT 9AM

HEADED TO GOOLSBY FARM TO

VISIT TIGER CREEK

MEET CLAY GOOLSBY - LAND OWNER

386.303.1252 CELL

LOOKED AT TIGER CREEK

TOOK PHOTOS

GOOD SPOT FOR DYE INTRO.

LOW - BUT GOOD FLOW

AROUND SCES

DIDN'T SEE THE LAKE MR. GOOLSBY  
SPOKE OF DUE TO TIME LIMIT

- TOOK RD 6/4<sup>th</sup> NORTH THEN  
90 SW BLVD

- TIGER CREEK BY FRIENDSHIP CEM.

11:30 AM

HEADED TO DEAD RIVER

GATE WAS OPEN

LOTS OF DEBRIS IN THE ROAD

WATER IS HIGHER THAN LAST

TIME - FAST FLOW

1:15 PM

DROPPED KEY & PASS FOR CAR  
AT SUW STATE PARK

HEADED TO MADISON

DAVID WICKHAM CALLED TG

- ANDERSON WASN'T FLOWING - STRONG  
YESTERDAY, FLOWING TODAY

- ROCK HAS COLLAPSED INTO IT

- COULD BE A UNIQUE EVENT

RETURNED TO FGS AT 3:30 PM

6.3.15

MEET W/ TREY TO DISCUSS  
PROPOSAL AT FGS

PICKED UP DEP VEHICLE

LEFT FGS AT 12:45 PM

STOPPED FOR LUNCH

HEADED TO OCALA/SILVER  
SPRINGS AREA

OCALA

STAYED W/ TOM'S FRIENDS  
TOUR OF PROPERTY & AREA

MEETING - QUARTERLY SPRINGS  
COORDINATION MEETING - 9 AM

6/4/15

HEADED TO SILVER SPRINGS  
FOR MEETING - 8:30 AM

PRESENTATIONS FROM SRWMD  
DATA DASHBOARD

ICHETUCKNEE SPRINGS

ERICH MARAZOLF & TARA  
RODGERS IN ATTENDANCE

Location SILVER SPRINGS Date 6/4/15

Project / Client \_\_\_\_\_

TG/KK

• ICHETUCKNEE SPRINGSHED  
WATER QUALITY IMPROVEMENT  
PROGRAM - DYE TOOK 8 DAYS

• REDUCE NITRATE IN  
GROUNDWATER (GINNIE /  
GILCHRIST BLUE)



• DREDGING AT  
JAX PORT - DESTROY  
DAM FOR RESTORATION



• TERRIE LEE - A PROPOSAL  
FOR REAL-TIME SPRING WATER  
DEPTH - SJRWMD (VOLUSIA BLUE)

• USE OF ULTRASONIC FIELD TO  
TREAT ALGAE GROWTH

• SPRINGS RESTORATION

WITHIN THE SOUTHWEST  
FL WATER MANAGE. DIST.

• CITY OF CRISTAL WATER  
TO DUKE ENERGY RECLAIMED  
WATER PROJECT



• SJRWMD SPRINGS RESTORATION  
PROJECT - VOLUSIA BLUE, SILVER,  
WEKIVA RIVER

Location SUW Date 6-15-15

Project / Client \_\_\_\_\_

KK

Scale \_\_\_\_\_

11:00 AM

LOAD DEP VEHICLE  
HEAD TO LAF BLUE FIRST

2:00 WAIT FOR DOWNLOAD  
AT LAF BLUE

USGS HERE BUILDING INS.  
PLATFORM

BATT 12.59V

DOWNLOAD SUCCESSFUL - SAVED  
DEPLOYED AT 14:30 <sup>kw</sup>

2:30PM

3:09

PEACOCK SPRINGS SP

BATT 12.56V

DOWNLOAD SUCCESSFUL - SAVED  
DEPLOYED AT 15:30:00

3:30PM

4:07

CONVICT SPRINGS

BATT 12.62V

Location SUWDate 6/29/15

Project / Client

TG / KK

1:55 PM

LEFT FGS

STOPPED AT HILZTOP FOR LUNCH

HEADED TO SUW STATE PARK

GATE CODE # 0714

LOOKED FOR GREEN BOX.

COULD NOT FIND, POSSIBLY

AT LAF STATE PARK?

WILL LOOK TMRW

HEADED TO PETE BUTT'S

HOUSE MEET W/ TARA @ 7 PM

7 PM

BORROW KEY FOR HORNSBY  
FROM TARATOM - REMEMBER TO GIVE HER  
SOMETHING?

9 PM LACHUA COUNTY

STOPPED FOR GAS IN HIGH  
SPRINGS

SPOOLED CABLE (300 FT)

FINISHED AT 11 PM

6-30-15

MEET AT HORNSBY SPRING  
AT 8 AMLocation SUWDate 6/30/15

Project / Client

TG / KK / PB / ML ? TOM M Scale MATI

MEET W/ DIVERS AT 8 AM

BEGAN RECON DIVE - 9 AM

MARK TOOK PICTURES

55# ON THE BOTTOM

36# ON TOP

WATER WAS CLEAR BUT NASTY  
COVERED IN ALGAECABLE HAD TO BE SECURED UNDER  
DOCK BECAUSE OF LIGHTNING  
STORM - WILL RETURN NEXT  
WEEK WITH BOX, BATT, CABLES,  
AND LAPTOP TO SETUP AND  
DEPLOY/CONFIGURE INSTRUMENTNEED TO LOCATE GREEN BOX  
NOT AT SUW STATE PARK OR  
LAF SP. POSSIBLY USED BY  
PARK RANGER? TOM CALLED  
CRAIG (SUW) - DOESN'T KNOW.\*Georgia (PETE'S WIFE) ALSO TOOK  
PHOTOS

RETURNED TO FGS AT 7 PM

Location LRIV

Date 7-6-15

Project / Client

TG / KK

7AM LEFT FGS FOR LRIV SPRINGS  
MEET W/ CAVE DIVERS -

~~KACH MCKINLEY~~ ANDREW  
~~PITKINS~~ ~~PICKENS~~, STEVE COX CASEY  
KM & SC DOVE FIRST MCKINLEY

-BEST 1ST LOCATION - OFF STRAIL

LAT N 29.99561°

~~LONG~~ W 082.96444°

FOUND 2 LOCATIONS FOR POSSIBLE  
DRILLING SITE

THE 2ND LOCATION IS NEAR

ROAD & WILL BE LIKELY CHOSEN  
DID NOT GET LAT & LONG

USED GPS ANTENNA & ARMAP  
TO TRACE LOCATIONS OF SITES  
AND PATH TO THEM

WE WILL RETURN AFTER LUNCH

TO MARK SPOTS W/ REBAR  
DIVERS KM & AP WENT IN  
2ND TIME TO RETRIEVE UNIT

3PM ATE AT CUZINS FOR  
LUNCH

WENT BACK TO MARK SITES  
AFTER LUNCH

Location SOW

Date 7/6

Project / Client

TG / KK

Scale

WALKING TRAIL - WE SAW 4 BABY  
ARMADILLOS

7PM HEADED TO TOM'S MOM'S  
HOUSE TO DROP TOM OFF  
AND EAT DINNER  
UNLOADED TRASH FROM  
TAHOE

HEADED TO GVILLE  
441 → 75S

RETURNED TO FAMILY  
MEMBERS HOUSE AT 9:30PM

Location HORNSBYDate 7/7

Project / Client

TG/KK

8:30 AM LOADED TAHOE  
 SECURED CABLE AT HORNSBY  
 COULD NOT FIND 1 1/4" CONDUIT  
 SO CABLE IS TEMP. SECURED.  
 BATT #6 12.7 V BOX #4

STAGE 33.46

STOPPED AT 3 HARDWARE STORES  
 IN HIGH SPRINGS - UNABLE TO  
 FIND 1 1/4" CONDUIT FLEX  
 WILL HAVE TO RETURN AT A  
 LATER DATE TO RUN CABLE  
 THROUGH CONDUIT & BURY  
 NEXT TO SRWMD CABLE  
 (NEED AROUND 50 FT)

STOPPED AT MAYO HARDWARE - SOLD

STOPPED BY ITEN FOR GAS

NEED TO FIND CONDUIT - TURNS  
 OUT WE ACTUALLY NEED

1" CONDUIT - WHICH WE  
 HAD. NEED MORE STILL FOR  
 ONE COMPLETE PIECE  
 RETURN TO FGS AT 7 PM

\* GATE NOT WORKING

Location SUWDate 7/13/18-  
7/14/15

Project / Client

TG/KK/JC

Scale

12 PM

LOADED TAHOE AT WAREHOUSE  
 JIM CICHON IS COMPLETING  
 TRAVEL & COMING W/ US

LEFT FGS AT 4:45 PM

WITH INSTRUMENT ADCP M9 ELON  
 METER, HYPERBOARD, LAPTOP,  
 ORANGE BOX

STAY IN CABIN #5

GATE CODE 0716

8:30 PM

UNLOADED AT SUW CP CABIN  
 MEET KEVIN & ERIC FROM

SONTEK TMRW @ 9 AM @ SRWMD

7/14/15

8 AM LOADED TAHOE

HEADED TO SRWMD

GOT CRASH COURSE IN ADCP  
 INSTRUMENT & SOFTWARE

\* NOTES IN BROWN NOTEBOOK

2 PM HEADED TO LITTLE RIVER  
 SINKING FOR FIELD TEST WITH  
 KEVIN, ERIC, TG, KK, JC, TR

Location SUWDate 7/14/15

Project / Client

(SONTEK)

TR, TG, KK, JC, KEVIN / ERIC

3PM ABLE TO RECEIVE GPS POINTS  
AND CONFIGURE ADCP BUT  
UNABLE TO RECEIVE WATER  
DATA FROM INSTRUMENT  
ATTEMPT TO TROUBLESHOOT  
WITH KEVIN & SONTEK  
SUPPORT STAFF

4:50PM SONTEK STAFF LEFT W/  
INSTRUMENT, WILL MEET  
TMRW @ LRIV @ 9AM  
USED PRICE METER (TARA R's)  
TO GET FLOW OF LRIV  
= 76.24 CFS (CHECK W/TR)  
CHECKED SRWMD WELL W/TR  
REPLACED DESI PACKS  
CHECKED (MANUALLY) WELL  
HEIGHT W/ METER  
0.05 OFF (BAD!)  
RECONFIGURED METER TO  
TAKEN MEASUREMENT  
NEW WL = 11.36  
OLD WL = 11.421

6:20PM LOADED TR'S TRUCK &  
TAHOE W/ FIELD SUPPLIES

Location ~~SRWMD~~ SUWDate 7/14-7/15<sup>119</sup>

Project / Client

TG / KK / JC

Scale

7PM STOPPED AT PEACOCK SPRINGS  
TO SHOW JIM  
WENT TO PUBLIX

8:30PM RETURNED TO CABIN  
UNLOADED TAHOE  
KARLEE & I STAYED IN  
CABIN #3

7/15/15

8AM LOAD TAHOE AT CABIN  
#5 W/ TG & JC

9AM MEET KEVIN AT SRWMD  
ERIC IS MEETING A SONTEK  
SUPPORT STAFF IN  
OCALA TO PICK UP A  
WORKING UNIT  
WILL DO IN CLASSROOM  
TRAINING UNTIL ERIC  
RETURNS WITH WORKING  
INSTRUMENT

1PM TOOK BORROWED INSTRUMENT  
FROM ERIC TO LITTLE  
RIVER

TG / KK / JC

TOOK MEASUREMENT ~ 75 CFS  
 4PM TOOK VERTICAL MEASURE-  
 MENT ABOVE MAIN VENT  
 PACKED AWAY INSTRUMENT  
 AND SUPPLIES

SPM HEADED TO FALMOUTH TO  
 CHECK CONDITIONS FOR  
 TMPW

FLOWING, LOW, CLEAR;  
 LOTS OF ALGAE  
 WILL WORK FOR VELOCITY  
 MEASUREMENT IN THE  
 MORNING

6PM HEADED TO ANDERSON  
 SPRING TO SHOW SUPPORT  
 STAFF LOCAL AREA

6:30 PM HEADED BACK TO SUW  
 STATE PARK

7/16

8AM LOADED VEHICLE  
 CLEANED CABIN  
 CINDY FISHER MEET US

TG / KK / JC / CF

Scale

AT THE CABIN AT 8:30AM  
 9AM HEADED TO FALMOUTH  
 TOOK "BAD" MEASUREMENT

- TO SHOW POTENTIAL  
 ERRORS & CONDITIONS  
 WE SHOULD BE LOOKING  
 FOR IN OUR DATA.

- TOOK A REAL MEASUREMENT  
 FOR OURSELVES & TARA

- DID MOVING BED TEST AND  
 LOOP TEST

1:30 PM BACK AT SRWMD  
 TO REVIEW DATA &  
 ERRORS

- HAD TO GROOM SITE, REMOVE  
 ALGAE, FOR GOOD MEASUREMENT
- CLASSROOM SETTING LECTURE  
 -NOTES IN BROWN SPIRAL

KK

9:30AM

LOADED TAHOE WITH ORANGE BOX,  
LAPTOP, INSTRUMENT, HYDROBOARD  
& COOLER

STOPPED FOR SNACK & DRINKS

12:30 PM

AT LAF STATE PARK  
SCHOOL BUS OF KIDS VISITING  
PARK TODAY

BATT - 12.38V

DOWNLOADED DATA - .CSV & .DAT  
REDEPLOYED INSTRUMENT FOR

30MINS - Aving 5 MINS - START  
AT 1 PM - 13:00:00

LOTS OF BUGS THIS TRIP!

DOWNLOADED DATA FILE LOOKS GOOD

HEADED TO PEACOCK SPRINGS

1:30 PM ARRIVE AT PEACOCK

DOWNLOAD DATA - .CSV & .DAT  
REDEPLOYED INSTRUMENTS FOR

30 MIN - AVG 5 MIN - START

AT 2 PM

BATT 12.34V

WHEN DOWNLOADING FILE - EACH

KK

Scale

BLOCK MADE THE LAPTOP TRY TO  
HIBERNATE & STOP RESPONDING  
HOWEVER, DATA FILE LOOKED  
GOOD.

5:15 PM WENT TO WALMART  
IN GAINESVILLE FOR STAKES,  
PLUGS, ROPE, ETC. (TO TAKE  
(FLOW MEASUREMENT)  
PULLEYS

6 PM HAD TO GO TO LOWES  
WALMART DID NOT HAVE  
ROPE LONG ENOUGH  
ALSO BOUGHT GATORADE

7 PM ARRIVED AT FAMILY MEMBERS  
HOUSE

7/29/15

8:30AM LOADED TAHOE WITH  
SUPPLIES

STOPPED FOR COFFEE

10AM TALKED TO RECEPTIONIST  
AT MAIN OFFICE - (NOT THE  
FIRST BUILDING DRIVING IN)  
GOT PERMISSION TO TAKE

Location SUW

Date 7/29/15

Project / Client

KK

FLOW MEASUREMENT & DATA  
DOWNLOAD

11 AM SET UP STAKES & PAULEYS  
DOWNSTREAM OF CANOE DOCK  
LOTS OF ALGAE  
COMPLETED LOOP TEST  
RECOMMENDED SMBA TEST  
(STATIONARY)  
USED 2 STATIONS FOR 300 SEC  
INTERVALS - PASSED TEST W/  
CUT RECOMMENDATION FOR  
INTERFERENCE

1 PM ACM DOWNLOAD - WAIT TILL 1:06 PM  
BATH - 12.63 V  
TREE FROG IN GREEN BOX  
COMPUTER BATTERY LOW - HAD  
TO TAKE QUICK MEASUREMENT  
DOWNLOADED .CSV & .DAT FILES  
CONFIGURE & DEPLOY W/  
CORRECT LAT & LONG

Location SUW

Date 7/29/15 125

Project / Client

KK

Scale

FOR 30 MIN - Avg 5 MINS -  
START AT 1:30 PM - 13:30:00  
DOWNLOADED FILE LOOKS GOOD  
CHANGED LAT/LONG IN DEPLOY-  
MENT - NEED TO CHANGE IN  
.DAT & .CSV FILES

MEAN DISCHARGE FOR  
HORNSBY - 61.9 CFS  
(COMBINATION OF 6 MEAS.)

# Lafayette State Bank

08/13/16 17:03 2529

XXXXXXXXXXXXXXXX

LAFAYETTE STATE

340 WEST MAIN STREET

MAYO FL

TERMINAL 10 2529

08/14/16

000719 \$ 240.00

WITHDRAWAL FROM CHK

XXXXXXXXXX0000

TERMINAL FEE \$ 3.25

TOTAL AMT \$ 243.25

AVAIL BAL \$ 264.75

THANK YOU VERY MUCH

Location SUWDate 9/21/15

Project / Client

TG / KK

10:20 AM

LOADED THE VEHICLE AT FGS  
CHARGED BATTERIES, ADCP &  
HYDROBOARD

12:45 PM

LAFAYETTE BLUE SPRINGS  
WAIT TILL 1 PM FOR NEXT DOWNLOAD  
BATT - 12.10V (#4)  
NEW BATT (#3) - 12.56V  
DOWNLOADED DATA @ 1 PM - GOOD  
DEPLOYED 9/21/15 - 13:00:00  
REPLACED BATT  
LEFT AT 1:40 PM  
LOTS OF ROACH. HORRIBLE

3:20 PM

PEACOCK SPRINGS  
OLD BATT - (#5) - 12.06V  
NEW BATT (#1) - 12.79V  
DOWNLOADED DATA @ 4:00 PM  
HAD TO WAIT B/C OF ROACHES  
DATA - GOOD  
DEPLOYED @ 4:24 PM  
LEFT AT 4:30 PM

Location

SUW

Date

<sup>127</sup>  
9/21/15  
9/22/15  
Scale

Project / Client

TG / KK

HEADED TO HIGH SPRINGS  
WILL DOWNLOAD AT CONVIET  
AND HORNSBY SPRING THRU

- MAYO HARDWARE - PICKED UP  
FOAM (EXPANDING) SEAL  
SPRAY TO KEEP OUT INSECTS  
AND 100' OF 1" CONDUIT  
FLEXIBLE TUBING

9:00 PM

ARRIVED AT ~~DOVER~~ KW  
LODGING - CLEANED OUT  
VEHICLE FOR THE NIGHT

9/22/15

8:30 - 9 AM - W/ KK

PACK SUV. LOAD SUPPLIES.  
GOT COFFEE & BREAKFAST

11:00 AM

ARRIVED AT HORNSBY SPRING  
BATT (#6) - 12.49V

Location SUW - HORN & CONVICT Date 9/22/15

Project / Client \_\_\_\_\_

TG / KK

WILL NOT CHANGE BATTERY THIS TIME

11:36 AM

TOOK DOWNLOAD - DATA GOOD  
APPEARS TO BE SOME ROACHES  
NOT AS MANY AS THE OTHER  
SITESDEPLOYED AT 11:49 AM W/ NORMAL  
SETTINGS - NOTE THAT LARGER  
BLOCKS OF DATA TAKE LONGER TO  
DOWNLOAD - TECH SHOULD BEGAIN  
DOWNLOADS ASAP TO DOWNLOAD  
& DEPLOY COMPLETELY WITHIN  
THE 30 MIN TIME FRAME

12:20 PM

PICKED UP TOM FROM BRANFORD  
HEADED TO ~~HORN~~ CONVICT SPRING

1:20 PM #

HOLNBY SPRING

WILL WAIT TILL 1:30 PM TO TAKE  
NEXT MEASUREMENT & CHANGE

OLD BATT

BATT - 12.31V (#7)

NEW BATT - 12.89V (#8)

Location SUW - CONVICTDate 9/22/15

Project / Client \_\_\_\_\_

TG / KK

Scale

DID NOT REPLACE BATTERY WITH  
#8 BECAUSE THE COMM CABLES  
WOULD NOT COMMUNICATION  
PROBLEM UNKNOWN - WILL HAVE  
TO ADDRESS AT THE OFFICE  
BATTERY SHOULD BE FINE FOR  
SEVERAL MORE WEEKSMISSED THE 2PM DOWNLOAD  
TRYING TO COMMUNICATE

DEPLOYED INSTRUMENT - 2:30 PM

2:40 PM

LEFT CONVICT SPRING AFTER  
TALKING WY KELLY (FROM SRWD)  
MAY BE ABLE TO SHARE 'STR

TG/KK/CF/SB/JEFF10/5/15

12 PM LOADED TAMBE W/ GPS SETUP  
(SETH) AND LAPTOP - NOW HAS  
ARCPAD.

USED GPS ON THE WAY DOWN  
TO LOOK AT ALAPAMA & HOLTON  
CREEK RISE.

DEP DID NOT DEPLOY CARBON

- WILL GO TO STORE FOR  
SUPPLIES & DO TOMORROW

SUW STATE PARK  
CABIN #5

10/6/15

KK & I WENT TO WALMART IN LIVE  
OAK FOR ROPE, WIRE, ETC.

AT ALAPAMA RISE - WILL DEPLOY  
CARBON PACK - AT 11:15 AM

TIED TO ROCK AND SECURED  
AT TOP OF PLATFORM

RIVER STAGE GAGE 35.79

WITH SETH & JEFF DEPLOYED PACKS  
AT HOLTON RISE - ONE AT ~~STATION~~  
SRWMD? STATION - AND ONE  
SLIGHTLY UPSTREAM OFF OF A  
TREE. ~1:00 AM

NOTE - DEPLOYED SECOND CARBON  
PACK ON OTHER SIDE OF RISE  
NEAR RIVER STAGE GAGES

WENT TO DEAD RIVER

DEPLOYED CARBON PACK ON  
WALK IN (NEAR CONFLUENCE)  
OFF OF A TREE

- FLOWING FAST/HIGH

10/07/15

\* SKEETER & ADAMS PROPERTY DIDN'T  
LOOK PROMISING

• DROVE AROUND POSSIBLE SAMPLE  
SITES W/ LIDAR & GPS CONNECTED  
• LOOKING FOR PROMISING FEATURES  
THE WOULD BE GOOD SPOTS FOR  
DEPLOYING A CARBON PACK

Location SWW/HAMDate 10/7/15  
10/28/15

Project / Client

TG/KK/CF

TRIED TO STOP AT THE SCAFF  
PROPERTY TO LOOK AT A SWALLET  
FOUND ON LIDAR - SCAFF IS THE  
COUNTY JUDGE  
HEADED TO JASPER COURT HOUSE  
NOW - JUDGE SCAFF  
SPOKE W/ JUDGE SCAFF ABOUT  
POTENTIALLY USING HIS LAND  
2PM HEADED TO MR. SCAFF'S  
PROPERTY

WALKED TO SWALLET SEEN ON  
THE LIDAR - APPEARED THAT  
IT DID NOT DISCHARGE WATER  
BUT ONLY TOOK IN WATER  
WHEN THE RIVER WAS HIGH  
ENOUGH - NOT A GOOD  
POTENTIAL SITE

3PM LEFT NOTE WITH NAME  
& NUMBER AS WELL AS  
THANK YOU ON SCAFF'S DOOR

5:30PM - RETURN TO FGS

10/28/15 - LEFT FGS AT 10:30AM

LAF BLUE - 12:45PM BATT-12.29V

DOWNLOAD DATA - GOOD

CONFIGURE & DEPLOY - 1PM (13:00)

Location SWWDate 10/28-29

Project / Client

TG/KK

Scale

PEACOCK III - 1:24 PM - WAITED TILL 1:30  
DOWNLOAD DATA - GOOD  
CONFIGURE & DEPLOY - 2PM (14:00)  
BATT-12.50V  
CONVIOT - 2:15 PM - TALKED W/ SUSIE  
DOWNLOADED DATA -  
CONFIGURE & DEPLOY -  
BATT-12.22V (OLD BATT # )  
REPLACE WITH NEW BATT # 8 - 12.75V  
HORNSBY - 5:20 ish PM  
DATA DOWNLOAD - GOOD  
CONFIGURE & DEPLOY - 6 PM  
BATT - 12.39V  
CABIN # 1 - 10:50 PM

10/29/15

8:30 MEETING W/ TOM MIRT, TREY, TARA  
DEAD RIVER - KEVIN GATES? AG PARCEL  
NEAR DEAD RIVER

\* BUDGET - CINDY TRAVEL \$ (LAST TRIP)  
\* 2 VALUE FOR CAVE DATA - GGIS  
\* 2015 SPRINGS LIST.SHP - FROM TARA (CAVE?)  
DAVID GOOLSEY - GRANTED SITE ACCESS  
2:50PM - WILL SEND FINAL DOC.

VISTED ADDITIONAL SITES -

1 CARBON PACK MOVED AT HOLTON  
CREEK - ALL OTHERS GOOD

RETURN TO FGS AT 7:30PM

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

**AmeriSys 1 800 455 2079**

Florida Department of Environmental Protection

DEP Location Code: 2017

As of January 1, 2014, if a state employee is injured at work, the employee should...

1. Report the injury to his or her supervisor immediately.
2. The supervisor will then report the injury to AmeriSys' Triage Unit.
3. The triage nurse will complete the First Report of Injury or Illness Form (DWC-1).

The injured employee will then be advised of the appropriate medical provider/facility for treatment and the availability of the prescription drug program.

**IN CASE OF AN EMERGENCY**, inside or outside of Florida, the injured employee should seek immediate attention at the nearest hospital. The employee should then notify his or her supervisor.

All work related injuries or illnesses are to be reported to AmeriSys at the toll-free number 1-800-455-2079.

If possible the employee is to be present for the call so the employee's injuries may be triaged and the appropriate medical care is provided.

If it is an emergency call 911 to get immediate medical care for the injured employee then call AmeriSys at 1-800-455-2079 to report the incident.

MIKE WILLIAMS PCS

Location OFFICE 386 394 8473

Project / Client CELL 386 867 0177

EMAIL MD WILLIAMS@POTASIAK.COM

## SPRING ABBREVIATIONS

ANDS - ANDERSON

LEAT - LINE EATER

LSPR - LIME SPRING

SUWA - SUWANNA COOCHIE

ELLA - ELLAVILLE

LRUN - LIME RUN

LRIV - LITTLE RIVER

TROY - TROY

MEAR - MEARSON

WAREHOUSE SHED CODE: 2943

TIM GREENHALGH

386.208.2739

FEDEX ACCOUNT: 457567189

bKwyf k89

47152900 0298 53F7

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Angela Watson · 386 · 362 · 2746

Craig Liney · Suw Park Manager:

# 386 · 365 · 2501 (cell)

KELLEY MORGAN (MEARSON LAND OWNER)

# 386 · 590 · 0031 (CELL)

SUW STATE PARK RANGER/MANAGER

# 386 · 365 · 2501 CRAIG

OZARK LAB JULIE STEARMAN

# 417 · 785 · 4289

KARST ENV. PETE BUTT

# 386 · 454 · 3556 (HOME?)

LOCAL CONTACT · DAVID WICKHAM

# 386 · 362 · 6345

SUW STATE PARK OFFICE

# 386 · 362 · 2746

SRWMD - STEVE MINNIS

# 386 · 647 · 0434 SAM@SRWMD.ORG

SRWMD - ABBY JOHNSON

# 386 · 647 · 3129 AJJ@SRWMD.ORG

SRWMD - GENERAL MEDIA INQUIRY

# 386 · 362 · 1001

SUW COUNTY HEALTH DEPARTMENT

# 386 · 362 · 2708

RESERVE AMERICA

# 1800 · 326 · 3521

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

FWC - NORTHEAST REGION - SHANNON WRIGHT

# 352 · 732 · 1225

SUW SHERIFF OFFICE - TONY CAMERON

# 386 · 364 · 3443

WILL JOHNSON CELL (LANDOWNER)

# 386 · 697 · 8079

LAF STATE PARK

# 386 · 294 · 3667

KELLEY MORGAN (MEARSON) CELL

# 386 · 590 · 0031

JILL HEINERTH

# 386 · 454 · 4497

GARY REGISTER

# 386 · 965 · 7585

WAYNE REGISTER

# 386 · 935 · 0279 (CELL)

LANA MORGAN

# 386 · 294 · 1744 HOME

CLAY GOOLSBY

# 386 · 303 · 1252 CELL

PHIL YONSUTS

# 352 · 318 · 4500

The manufacturers of "Rite in the Rain" all-weather writing products are grateful to the numerous geological experts who have contributed to the development of this book. Should you have any additions, improvements or corrections for future publications of this field book or have suggestions for other geological field book formats, we welcome your input.

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### Abbreviation of Geologic Terms

|               |        |                 |        |
|---------------|--------|-----------------|--------|
| abundant      | abnt   | chlorite        | Chl    |
| acicular      | acic   | claystone       | Cist   |
| actinolite    | Act    | cleavage        | Clv    |
| aggregate     | Aggr   | clinopyroxene   | Cpx    |
| albite        | Ab     | cobble          | Cbl    |
| amorphous     | amor   | conglomerate    | Cgl    |
| amount        | Amt    | contact         | Ctc    |
| amphibole     | Amph   | cordierite      | Cord   |
| amphibolite   | Amph   | corundum        | Cor    |
| andalusite    | Andal  | cross-bedding   | xbdd   |
| angle         | ang    | cross-bedding   | Xbdg   |
| angular       | ang    | cross-laminated | xlam   |
| andesite      | And    | cross section   | X sect |
| anhedral      | anhed  | crystal         | Xl     |
| anhydrite     | Anhy   | crystalline     | xln    |
| approximate   | approx | diameter        | Diam   |
| arenaceous    | aren   | different       | diff   |
| argillaceous  | arg    | diopside        | Diop   |
| argillite     | Arg    | disseminated    | dissem |
| arkosic       | ark    | dolomite        | Dol    |
| arsenopyrite  | Ars    | dolomitic       | dol    |
| asphaltic     | asph   | elevation       | Elev   |
| average       | Ave    | equivalent      | equiv  |
| bedded        | bdd    | evaporite       | Evap   |
| bedding       | Bdng   | exposure        | Exp    |
| bentonite     | Bent   | feldspatic      | feld   |
| biotite       | Bio    | foliated        | fol    |
| bituminous    | bit    | foliation       | Fol    |
| boulder       | Bldr   | foraminifer     | Foram  |
| brachiopod    | Brach  | formation       | Fm     |
| breccia       | Bx     | fragmental      | frag   |
| calcareous    | calc   | glaucanite      | Glauct |
| carbonaceous  | carb   | granite         | Gr     |
| cavernous     | cav    | granodiorite    | Grd    |
| cement        | Cmt    | granular        | gran   |
| chalcedony    | Chal   | graptolite      | Grap   |
| chalcopryrite | Cp     | graywacke       | Gwke   |

## DRAGLINE #3 MINED AROUND 139

### Abbreviation of Geologic Terms

BLK STEEL RD.

|                 |        |                |       |
|-----------------|--------|----------------|-------|
| greenstone      | Grsnt  | point          | Pt    |
| gypsiferous     | gyp    | porphyritic    | porph |
| hematitic       | hem    | probable       | prob  |
| horizontal      | horiz  | pyritic        | py    |
| hornblende      | Hbl    | pyroxene       | Px    |
| hornfels        | Hfls   | pyroxenite     | Pxt   |
| hypidiomorphic  | hypid  | pyrrhotite     | Pyrr  |
| igneous         | ign    | quartz         | Qz    |
| ignimbrite      | Ignm   | quartzite      | Qzt   |
| ilmenite        | Ilm    | radiolarian    | Rad   |
| inclusion       | Incl   | reconnaissance | Recon |
| interbedded     | intbdd | regular        | reg   |
| intrusion       | Intr   | rhyolite       | Rhy   |
| irregular       | ireg   | rocks          | Rx    |
| joint           | Jnt    | rounded        | rndd  |
| kaolinite       | Kaol   | sandstone      | Ss    |
| K-feldspar      | Kspar  | saturated      | sat   |
| laminated       | lam    | secondary      | sec   |
| limestone       | Ls     | sediment       | Sed   |
| limonite        | Lim    | sedimentary    | sed   |
| lithologic      | lith   | serpentine     | Spt   |
| magnetite       | Mag    | siliceous      | sil   |
| maximum         | Max    | siltstone      | Sltst |
| member          | Mbr    | soluble        | sol   |
| metamorphic     | met    | sphalerite     | Sphal |
| microcline      | Micr   | station        | Sta   |
| montmorillonite | Mont   | stauroilite    | Staur |
| mudstone        | Mdst   | structure      | Struc |
| muscovite       | Musc   | stratigraphic  | strat |
| nepheline       | Neph   | surficial      | surf  |
| nodular         | nod    | tabular        | tab   |
| olivine         | Ol     | temperature    | T     |
| orthopyroxene   | Opx    | topographic    | topo  |
| orthoclase      | Orth   | tourmaline     | Tourm |
| outcrop         | Otcp   | tremolite      | Tem   |
| pebble          | Pbl    | unconformity   | Uncf  |
| pegmatite       | Peg    | variegated     | vrng  |
| peridotite      | Perid  | vegetation     | Veg   |
| permeability    | Perm   | vertebrate     | Vrtb  |
| phenocryst      | Pheno  | volcanic       | volc  |
| phlogopite      | Phlog  | volume         | Vol   |
| phosphatic      | phos   | wollastonite   | Woll  |
| plagioclase     | Plag   | xenolith       | Xen   |

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