

FDEP FORM FD 9000-3: PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SAMPLE ID \_\_\_\_\_ ORG ID 21FLNBSP LATITUDE 30.413307  
 COUNTY BR STORET # 32020063 LONGITUDE -85.86849  
 DATE 5-4-16 TIME 1100 SAMPLING AGENCY FDEP  
 SITE NAME LITTLE CROOKED CREEK  
 FIELD ID/NAME LTCRCKREF LTCRCKREF RECEIVING BODY OF WATER Pino Log Creek

RIPARIAN ZONE / STREAM FEATURES

|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                                                                                                                                                                                                              |  |  |  |                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------|
| <b>PREDOMINANT LAND-USE IN WATERSHED</b> (specify relative percent in each category):<br>Forest/Natural <input checked="" type="checkbox"/> Silviculture <input checked="" type="checkbox"/> Field/Pasture <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industry <input type="checkbox"/> Other (Specify) <input type="checkbox"/> |  |  |  |                                                                                                                                                                                                              |  |  |  | <b>Landscape Development Intensity Index (LDI)</b><br><u>1.56</u>                                                               |
| Local Watershed Erosion (select one): <input checked="" type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy<br>Local Watershed NPS Pollution: <input checked="" type="checkbox"/> No evidence <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy                                                                                  |  |  |  |                                                                                                                                                                                                              |  |  |  | <b>Typical Width (m) Depth (m)/Velocity (m/sec) Transect</b><br><u>3.3</u> m wide<br><u>.31</u> m/s <u>.3</u> m/s <u>.3</u> m/s |
| <b>Width of Riparian Vegetation (m) on Each Buffer Side</b><br>Left Bank: <input type="checkbox"/> Right Bank: <u>718m</u>                                                                                                                                                                                                                                                                                                                          |  |  |  | <b>Hydrologic Modification Score</b> (per FT 3101) <u>1-2</u>                                                                                                                                                |  |  |  | m deep <u>0.6</u> m deep <input type="checkbox"/> m deep <input type="checkbox"/>                                               |
| <b>High Water Mark:</b> <u>8.6</u> + <u>0.6</u> = <u>2.6</u><br>(m) (above present water level) (present depth) (above bed)                                                                                                                                                                                                                                                                                                                         |  |  |  | <b>Artificially Impounded</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |  |  |  |                                                                                                                                 |
| <b>Artificially</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Mostly recovered, more sinuous<br><b>Channelized:</b> <input type="checkbox"/> Some recovery <input type="checkbox"/> Recent, severe                                                                                                                                                                                                                            |  |  |  | <b>Canopy Cover %</b> <input type="checkbox"/> Open <input type="checkbox"/> Lightly Shaded (11-45%)<br><input type="checkbox"/> Heavily Shaded <input checked="" type="checkbox"/> Moderate Shaded (46-80%) |  |  |  |                                                                                                                                 |

SEDIMENT / SUBSTRATE

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Sediment Oils</b><br><input checked="" type="checkbox"/> Absent <input type="checkbox"/> Slight<br><input type="checkbox"/> Moderate <input type="checkbox"/> Profuse                                                                                                                                                                                                                                                                                                                                                                                                          |  |  | <b>Sediment Odors</b><br><input checked="" type="checkbox"/> Normal <input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum<br><input type="checkbox"/> Chemical <input type="checkbox"/> Anaerobic<br><input type="checkbox"/> Other (Specify): _____                                                                                                                                                                                                                                                                                                                                                                             |  |  | <b>Smothering of Substrates</b><br>Sand Smothering: None <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/><br>Silt Smothering: None <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/><br>Algae Smothering: None <input checked="" type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/> |  |  |
| <b>SUBSTRATE TYPE</b><br>Assessment Tool: <input checked="" type="checkbox"/> SCI <input checked="" type="checkbox"/> RPS <input checked="" type="checkbox"/> LVS<br><input type="checkbox"/> LCI <input type="checkbox"/> BioRecon<br>Invert <input type="checkbox"/> PERI <input type="checkbox"/><br>% Coverage # Times Sampled # Times Sampled                                                                                                                                                                                                                                |  |  | <b>WATER QUALITY</b><br>Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M)<br>Top: <u>0.1</u> <u>20.8</u> <u>3.98</u> <u>7.29</u> <u>19.2</u> <u>0.1</u><br>Mid: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> VOB<br>Bottom: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Meter ID: <u>YSI 1483</u> <u>0.6</u> |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Woody Debris (Snags) <u>18</u> <u>7</u><br>Undercut Banks / Roots <u>41</u> <u>2</u><br>Leaf Packs or Mat <u>3</u> <u>7</u><br>Aquatic Vegetation <input type="checkbox"/> <input type="checkbox"/><br>Rock or Shell Rubble <input type="checkbox"/> <input type="checkbox"/><br>Sand <u>75</u> <u>4</u><br>Mud / Muck / Silt <u>3</u> <input type="checkbox"/><br>Other <input type="checkbox"/> <input type="checkbox"/><br>Other <input type="checkbox"/> <input type="checkbox"/>                                                                                             |  |  | <b>Water Odors</b> Normal <input checked="" type="checkbox"/> Petroleum <input type="checkbox"/><br>Sewage <input type="checkbox"/> Chemical <input type="checkbox"/> Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  | <b>Water Surface Oils</b> Normal <input checked="" type="checkbox"/> Sheen <input type="checkbox"/><br>Globbs <input type="checkbox"/> Slick <input type="checkbox"/> Other <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                          |  |  |
| Water Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Sample Preserved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Lot Number: <u>5259020</u> Exp: <u>9/16/16</u><br><u>5259030</u> <u>9/16/16</u><br>Algae Sample Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Sample Preserved? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Lot Number: _____ Exp: _____                                                                                                      |  |  | <b>Color</b> Tannic <input checked="" type="checkbox"/> Green (Algae) <input type="checkbox"/><br>Clear <input type="checkbox"/> Other (Specify) <input type="checkbox"/><br><b>Clarity</b> Clear <input checked="" type="checkbox"/> Slightly Turbid <input type="checkbox"/><br>Turbid <input type="checkbox"/> Opaque <input type="checkbox"/>                                                                                                                                                                                                                                                                                             |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| <b>ABUNDANCE</b><br>Not Obs. Rare Common Abundant<br>Periphyton: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Fish: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Aquatic Plants: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Iron/Sulfur Bacteria: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  | <b>System Type:</b> Stream <input checked="" type="checkbox"/> Lake <input type="checkbox"/> Wetland <input type="checkbox"/> Estuary <input type="checkbox"/> Other (Specify) <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  | <b>AMBIENT FIELD CONDITIONS / NOTES:</b><br><u>sun, 75°, light breeze, perfection ☺</u><br><u>42m² PLANTS = NO LVS</u><br><input checked="" type="checkbox"/> The antecedent hydrologic conditions have been met to my best knowledge.                                                                                                                                                                                                                                                                                        |  |  |
| <b>SAMPLING TEAM</b><br><u>Jackson, O'Neal, Simmons, Sapp</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  | <b>SIGNATURE:</b><br><u>Abhegopal</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  | <b>DATE:</b><br><u>5/4/16</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |

DEP-SOP-001/01: Form FD 9000-5  
STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

|                               |                    |                                          |                                  |                                |
|-------------------------------|--------------------|------------------------------------------|----------------------------------|--------------------------------|
| SUBMITTING AGENCY CODE: _____ |                    | STORET STATION NUMBER: <u>320 200 63</u> | DATE (MM/DD/YY): <u>5.4.16</u>   | RECEIVING BODY OF WATER: _____ |
| SUBMITTING AGENCY NAME: _____ |                    |                                          |                                  |                                |
| REMARKS: <u>E000P</u>         | COUNTY: <u>BAY</u> | LOCATION: <u>LITTLE CROOKED CREEK</u>    | FIELD ID/NAME: <u>LTLCRCKREF</u> |                                |

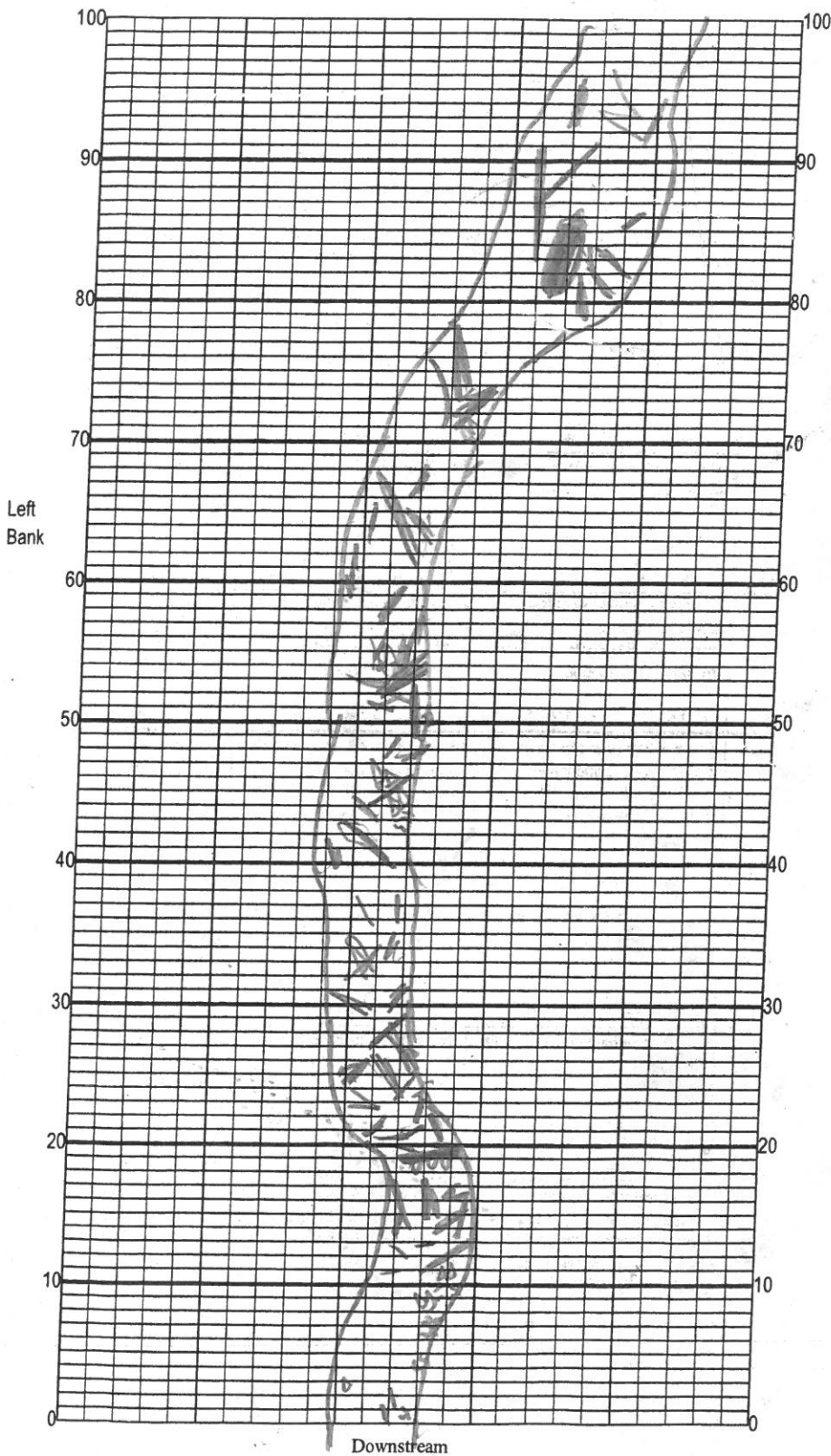
| Habitat Parameter                                                               | Optimal                                                                                                                                                                                                           | Suboptimal                                                                                                                                                     | Marginal                                                                                                                                   | Poor                                                                                                                          |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Primary Habitat Components                                                      | Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)                                                                                      | Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)                                             | Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed                                        | One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered                            |
| Substrate Diversity <u>9</u>                                                    | 20 19 18 17 16                                                                                                                                                                                                    | 15 14 13 12 11                                                                                                                                                 | 10 9 8 7 6                                                                                                                                 | 5 4 3 2 1                                                                                                                     |
| Substrate Availability <u>12</u>                                                | Greater than 30% major productive habitat present at site<br>20 19 18 17 16                                                                                                                                       | 16% to 30% major productive habitat, by aerial extent<br>15 14 13 12 11                                                                                        | 6% to 15% major productive habitat<br>10 9 8 7 6                                                                                           | Less than 5% major productive habitat<br>5 4 3 2 1                                                                            |
| Water Velocity <u>20 19</u>                                                     | Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec<br>≥0.33 0.31 0.29 0.27 >0.25<br>20 19 18 17 16                                                                                                    | Max. observed at typical transect: >0.1 to 0.25 m/sec<br>0.25 0.21 0.17 0.13 >0.1<br>15 14 13 12 11                                                            | Max. observed at typical transect: 0.05 to 0.1 m/sec<br>0.1 0.09 0.07 0.06 0.05<br>10 9 8 7 6                                              | Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec<br><0.05 0.04 0.03 0.01 <0.01<br>5 4 3 2 1      |
| Habitat Smothering <u>20</u><br>.....<br>Primary Score <u>59 58</u>             | Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae.<br>20 19 18 17 16                                                                                 | Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae.<br>15 14 13 12 11                              | Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth).<br>10 9 8 7 6         | Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation.<br>5 4 3 2 1                            |
| Secondary Habitat Components                                                    | Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks.                                                                                                   | Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered.                                                   | Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area.                        | Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. |
| Artificial Channelization <u>20</u>                                             | 20 19 18 17 16                                                                                                                                                                                                    | 15 14 13 12 11                                                                                                                                                 | 10 9 8 7 6                                                                                                                                 | 5 4 3 2 1                                                                                                                     |
| Bank Stability                                                                  | Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas.                                                            | Only meets 2 of the 3 requirements for optimal bank stability.                                                                                                 | Only meets 1 of the 3 requirements for optimal bank stability.                                                                             | Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.                   |
| Right Bank <u>10</u><br>Left Bank <u>10</u>                                     | 10 9                                                                                                                                                                                                              | 8 7 6                                                                                                                                                          | 5 4                                                                                                                                        | 3 2 1                                                                                                                         |
| Riparian Buffer Zone Width                                                      | Width of vegetation greater than 18 m                                                                                                                                                                             | Width of vegetation >12 to 18m                                                                                                                                 | Width of vegetation 6 to 12 m. human activities close to system                                                                            | Less than 6 m of buffer zone due to intensive human activities                                                                |
| Right Bank <u>10</u><br>Left Bank <u>8</u>                                      | 10 9                                                                                                                                                                                                              | 8 7 6                                                                                                                                                          | 5 4                                                                                                                                        | 3 2 1                                                                                                                         |
| Riparian Zone Vegetation Quality                                                | Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance. | >50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. | 25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. | Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).     |
| Right Bank <u>9</u><br>Left Bank <u>8</u><br>.....<br>Secondary Score <u>75</u> | 10 9                                                                                                                                                                                                              | 8 7 6                                                                                                                                                          | 5 4                                                                                                                                        | 3 2 1                                                                                                                         |

133 134

**TOTAL SCORE**

|                     |                           |                               |
|---------------------|---------------------------|-------------------------------|
| Date: <u>5.4.16</u> | Analyst: <u>J Jackson</u> | Signature: <u>[Signature]</u> |
|---------------------|---------------------------|-------------------------------|

DEP-SOP-001/01 Form FD 9000-4  
Stream/River Habitat Sketch Sheet



Length of grid represents 100 m of stream (not linear meters).  
(Horizontal scale is double vertical scale, draw proportionately).

Location: LITTLE CROOKED CREEK

Date: 5.4.16

Sampler: J. Jackson

100 m: Latitude \_\_\_\_\_  
Longitude \_\_\_\_\_

0 m: Latitude \_\_\_\_\_  
Longitude \_\_\_\_\_

Substrates: Code key, draw proportionate habitat abundance. %

☒ Snags 18%

☒ Roots/undercut banks 1%

☒ Leaf Packs (or mats) 3%

☐ Aquatic Macrophytes \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ Pools total # observed = \_\_\_\_\_  
# range expected = \_\_\_\_\_

Average width 3.3 m

Average depth 0.6 m

Velocity measured at 50 meter mark.

WQ & chemistry taken at 0 meter mark.

Habitat Smothering:  
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:  
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:  
Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:

LAT/LONG  
30.413307 (N)  
-85.86849 (W)

330 total squares  
60 snag = 18%  
3 roots = 1.0%  
10 leaves = 3%

Revision Date: June 2, 2011



DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m<sup>2</sup> of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

| HERBACEOUS SPECIES | Meter Mark |       |       |       |       |       |       |       |       | Specimen collected (check) | HERBACEOUS SPECIES | Meter Mark |      |       |       |       |       |       |       |       | Specimen collected (check) |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|--------------------|------------|------|-------|-------|-------|-------|-------|-------|-------|----------------------------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    | 0-10       | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 |                            |                    | 90-100     | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |                            | 80-90 | 90-100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |            |       |       |       |       |       |       |       |       |                            |                    |            |      |       |       |       |       |       |       |       |                            |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

[illegible]

If no Dominant or Co-Dominant were selected, indicate with "X"

Indicate % cover macrophytes per section

[illegible]

SITE NAME: Little Crooked Creek DATE: 05/04/10 TIME: 11:00 (military) EST CST DEPTH: 0.1 ft m FIELD ID: LTLCRCK  
 REF

| SAMPLING TEAM MEMBERS | WQ MEASUREMENTS | DOCUMENTATION | SAMPLE COLLECTION | PRESERVATION | PRESERVATION CHECK |
|-----------------------|-----------------|---------------|-------------------|--------------|--------------------|
| Kristen Sapp          | X               |               |                   | X            | X                  |
| Ashley O'Neal         |                 | X             |                   |              | X                  |
| Candice Simmons       |                 |               | X                 |              |                    |
| Toy Jackson           |                 |               | X                 |              |                    |

| SAMPLING EQUIPMENT                                   |                                             |
|------------------------------------------------------|---------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Tubing type: _____ |
| <input type="checkbox"/> Pole                        | <input type="checkbox"/> Other _____        |
| <input type="checkbox"/> Pump ID#: _____             | <input type="checkbox"/> Other _____        |
| WATER QUALITY MEASUREMENTS                           |                                             |
| Instrument ID: <u>YSI 1483</u>                       |                                             |
| COLLECTION MODE                                      |                                             |
| <input checked="" type="checkbox"/> Wading           | <input type="checkbox"/> Via Boat           |
| <input type="checkbox"/> Diving                      | <input type="checkbox"/> Canoe              |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor     |
| <input type="checkbox"/> Other _____                 | <input type="checkbox"/> Gasoline Motor     |

| Parameter Suite                 | Parameter(s)/Method                                                                                                                                                                                                                                                                                                                                                                                                                                 | Matrix Code* | Preservation**                                                                                                                                     | Preservative Lot # | pH Check                               | # Bottles *** |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------|---------------|
| Preserved Nutrients             | <input checked="" type="checkbox"/> TKN <input checked="" type="checkbox"/> TP <input checked="" type="checkbox"/> NOx <input checked="" type="checkbox"/> NH3 <input checked="" type="checkbox"/> TOC <input type="checkbox"/> Total N<br><input type="checkbox"/> Other: _____                                                                                                                                                                    | SW           | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub>                                         | 5259020            | <input checked="" type="checkbox"/> <2 | 1             |
| Filtered Nutrients              | <input type="checkbox"/> OP <input type="checkbox"/> Other: _____                                                                                                                                                                                                                                                                                                                                                                                   | W            | <input type="checkbox"/> Ice <input type="checkbox"/> .45 um Filter                                                                                |                    |                                        |               |
| Unpreserved Nutrients           | <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> Other: _____                                                                                                                                                                                                                                                                                    | W            | <input type="checkbox"/> Ice                                                                                                                       |                    |                                        |               |
| Physical/Aggregate Properties   | <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> TSS <input type="checkbox"/> TS <input checked="" type="checkbox"/> Turbidity <input checked="" type="checkbox"/> Alk <input checked="" type="checkbox"/> Color<br><input type="checkbox"/> Other: _____                                                                                                                                                                | SW           | <input checked="" type="checkbox"/> Ice                                                                                                            |                    |                                        | 1             |
| Chlorophyll                     | <input checked="" type="checkbox"/> CHL-PPTN-W                                                                                                                                                                                                                                                                                                                                                                                                      | SW           | <input checked="" type="checkbox"/> Ice                                                                                                            |                    |                                        | 1             |
| BOD                             | <input type="checkbox"/> BOD-INHB <input type="checkbox"/> BOD-UNIN                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Ice                                                                                                                       |                    |                                        |               |
| Microbiology                    | MF: <input type="checkbox"/> E coli <input type="checkbox"/> T Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> F Strep                                                                                                                                                                                                                                                                                | W            | <input type="checkbox"/> Ice                                                                                                                       |                    |                                        |               |
| Macroinvertebrates              | <input checked="" type="checkbox"/> MI-FW-QLDC <input type="checkbox"/> MI-FW-QLBR <input type="checkbox"/> MI-FW-QNNC<br><input type="checkbox"/> MI-MN-QNNC                                                                                                                                                                                                                                                                                       | SW           | <input checked="" type="checkbox"/> Formalin                                                                                                       |                    |                                        | 5             |
| Phytoplankton                   | <input type="checkbox"/> PKD-QN-C <input type="checkbox"/> DTY-QN-C                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Lugol's                                                                                                                   |                    |                                        |               |
| Periphyton                      | <input type="checkbox"/> PRN-QL-C <input type="checkbox"/> DTM-QL-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> DTM-QN-C                                                                                                                                                                                                                                                                                                             | W            | <input type="checkbox"/> Formalin                                                                                                                  |                    |                                        |               |
| AGP                             | <input type="checkbox"/> AA-AGP <input type="checkbox"/> AA-LIM-NUT                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Ice                                                                                                                       |                    |                                        |               |
| Metals                          | <input checked="" type="checkbox"/> W-ICP <input type="checkbox"/> W-FIAS <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP-Tr                                                                                                                                                                                                                                                                                                        | SW           | <input checked="" type="checkbox"/> HNO <sub>3</sub>                                                                                               | 5259030            | <input checked="" type="checkbox"/> <2 | 1             |
| Filtered Metals                 | <input type="checkbox"/> W-ICP-F <input type="checkbox"/> W-FIAS-F <input type="checkbox"/> W-ICPMS-F <input type="checkbox"/> W-ICP-Tr-F                                                                                                                                                                                                                                                                                                           | W            | <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> .45 um Filter                                                                   |                    | <input type="checkbox"/> <2            |               |
| Mercury                         | <input type="checkbox"/> W-HG-AF                                                                                                                                                                                                                                                                                                                                                                                                                    | W            |                                                                                                                                                    |                    |                                        |               |
| Base/Neutral / Acid Extractable | <input type="checkbox"/> W-BNA <input type="checkbox"/> W-AE <input type="checkbox"/> W-BN <input type="checkbox"/> W-PAH<br><input type="checkbox"/> W-FL-PRO <input type="checkbox"/> W <input type="checkbox"/> Other: _____                                                                                                                                                                                                                     | W            | <input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub>                                                               |                    | <input type="checkbox"/> <2            |               |
| Pesticides                      | <input type="checkbox"/> W-PEST-CL <input type="checkbox"/> W-PCB <input type="checkbox"/> W-PEST-NP <input type="checkbox"/> W-PSCL-PCB<br><input type="checkbox"/> W-NP-AA-SF <input type="checkbox"/> W-PC-AA-SF <input type="checkbox"/> W-PSHRB-NP<br><input type="checkbox"/> W-SLFN-UREA <input type="checkbox"/> W-SULFN-LC <input type="checkbox"/> Other: _____<br><input type="checkbox"/> W-ACIDHERB<br><input type="checkbox"/> W-CARB | W            | <input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub><br><input type="checkbox"/> Ice <input type="checkbox"/> MCAA |                    |                                        |               |
| Purgeables                      | <input type="checkbox"/> W-VOC-MS<br><input type="checkbox"/> W-VOC-MS-A                                                                                                                                                                                                                                                                                                                                                                            | W            | <input type="checkbox"/> Ice <input type="checkbox"/> HCl                                                                                          |                    |                                        |               |
| Bioassay <u>SUC UMB</u>         | Specify Test: <u>sucralose</u>                                                                                                                                                                                                                                                                                                                                                                                                                      | SW           | <input checked="" type="checkbox"/> Ice                                                                                                            |                    |                                        | 1             |
| OTHER <u>QPCR</u>               | <u>QPCR</u>                                                                                                                                                                                                                                                                                                                                                                                                                                         | SW           | <input checked="" type="checkbox"/> Other: <u>ice</u>                                                                                              |                    |                                        | 2             |

Notes: SUN, 75° ish LTLCRCKREF

LAT/LONG

30.413307 N

-85.86849

Use one line for each set of sample (as supplied by the laboratory) containers. Use separate sheet for field or laboratory duplicate or blank or different water depth

\*Enter "S" for surface if collected at a depth less than or equal to 1 foot

\*Matrix Codes (Insert prefix): SW = Surface Water GW = Groundwater DW = Drinking Water WW = Wastewater O = Other: \_\_\_\_\_

\*\*PRESERVATIVES: 1 ml added unless otherwise noted

\*\*\*Enter number of containers supplied by the laboratory for the test (e.g., 3 for volatile organics, etc.)

## DEP Bureau of Laboratories Water Sample Collection Record

(Use with FDEP SOP-001/01 Form FD 9000-3 Physical/Chemical Characterization Field Sheet)

**Florida Department of Environmental Protection**  
**Central Laboratory Submittal Form**

Customer: BSSP

Requester: Joy Jackson

Field Report Prepared By: A.O'Neal

Project ID: SCIREF

Collected By: J. Jackson, K. Sapp, A.O'Neal, C. Simmons

Sampling Agency: FDEP

|                                                              |                         |                                   |                            |                               |                                                                           |                                                                           |                                                              |                               |                                 |                               |                        |                                                                           |                                                                           |                                       |          |                               |                            |                               |                                                                |                                                                |                                       |                               |                           |                               |                |                                                                |                                                                |                                       |  |                               |                            |                               |                    |                               |  |
|--------------------------------------------------------------|-------------------------|-----------------------------------|----------------------------|-------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------|---------------------------------|-------------------------------|------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------|----------|-------------------------------|----------------------------|-------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------|-------------------------------|---------------------------|-------------------------------|----------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------|--|-------------------------------|----------------------------|-------------------------------|--------------------|-------------------------------|--|
| Location<br>Little Crooked Creek BAX county                  | Field ID<br>LTLCRCK REF | Storet #                          | Latitude<br>30.413307      | Longitude<br>-85.86849        | dd<br><input checked="" type="checkbox"/> dms<br><input type="checkbox"/> | dd<br><input checked="" type="checkbox"/> dms<br><input type="checkbox"/> | Location<br>South Fork Bear Creek                            | Field ID<br>SF BEAR           | Storet #                        | Latitude<br>30.295252         | Longitude<br>-85.43713 | dd<br><input checked="" type="checkbox"/> dms<br><input type="checkbox"/> | dd<br><input checked="" type="checkbox"/> dms<br><input type="checkbox"/> | Location                              | Field ID | Storet #                      | Latitude                   | Longitude                     | dd<br><input type="checkbox"/> dms<br><input type="checkbox"/> | dd<br><input type="checkbox"/> dms<br><input type="checkbox"/> | Location                              | Field ID                      | Storet #                  | Latitude                      | Longitude      | dd<br><input type="checkbox"/> dms<br><input type="checkbox"/> | dd<br><input type="checkbox"/> dms<br><input type="checkbox"/> |                                       |  |                               |                            |                               |                    |                               |  |
| Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh surface water |                         | Temp (C)<br>20.8                  | pH<br>7.29                 | Salinity (ppt)<br>3.98        | Comments<br>additional 301 bottles (MI-FW-QLDC)                           | Collection (comp begin or grab)<br>Date 5/4/2016 Time 1100                | Matrix (type, e.g., Salt, Fresh, etc)<br>fresh surface water |                               | Temp (C)<br>20.5                | pH<br>5.87                    | Salinity (ppt)         | Comments                                                                  | Collection (comp begin or grab)<br>Date 5/4/2016 Time 1515                | Matrix (type, e.g., Salt, Fresh, etc) |          | Temp (C)                      | pH                         | Salinity (ppt)                | Comments                                                       | Collection (comp begin or grab)<br>Date                        | Matrix (type, e.g., Salt, Fresh, etc) |                               | Temp (C)                  | pH                            | Salinity (ppt) | Comments                                                       | Collection (comp begin or grab)<br>Date                        | Matrix (type, e.g., Salt, Fresh, etc) |  | Temp (C)                      | pH                         | Salinity (ppt)                | Comments           |                               |  |
| Diss. Oxygen<br>7.29                                         |                         | Sp. Conductance (umho/cm)<br>19.2 | Total Res. Chlorine (mg/L) |                               | Composite end Date                                                        |                                                                           | Diss. Oxygen<br>7.52                                         |                               | Sp. Conductance (umho/cm)<br>42 | Total Res. Chlorine (mg/L)    |                        | Composite end Date                                                        |                                                                           | Diss. Oxygen                          |          | Sp. Conductance (umho/cm)     | Total Res. Chlorine (mg/L) |                               | Composite end Date                                             |                                                                | Diss. Oxygen                          |                               | Sp. Conductance (umho/cm) | Total Res. Chlorine (mg/L)    |                | Composite end Date                                             |                                                                | Diss. Oxygen                          |  | Sp. Conductance (umho/cm)     | Total Res. Chlorine (mg/L) |                               | Composite end Date |                               |  |
| Eastern Central                                              |                         | Eastern Central                   |                            | Eastern Central               |                                                                           | Eastern Central                                                           |                                                              | Eastern Central               |                                 | Eastern Central               |                        | Eastern Central                                                           |                                                                           | Eastern Central                       |          | Eastern Central               |                            | Eastern Central               |                                                                | Eastern Central                                                |                                       | Eastern Central               |                           | Eastern Central               |                | Eastern Central                                                |                                                                | Eastern Central                       |  | Eastern Central               |                            | Eastern Central               |                    | Eastern Central               |  |
| Bottle Group(s)<br>(See pg 2)                                |                         | Bottle Group(s)<br>(See pg 2)     |                            | Bottle Group(s)<br>(See pg 2) |                                                                           | Bottle Group(s)<br>(See pg 2)                                             |                                                              | Bottle Group(s)<br>(See pg 2) |                                 | Bottle Group(s)<br>(See pg 2) |                        | Bottle Group(s)<br>(See pg 2)                                             |                                                                           | Bottle Group(s)<br>(See pg 2)         |          | Bottle Group(s)<br>(See pg 2) |                            | Bottle Group(s)<br>(See pg 2) |                                                                | Bottle Group(s)<br>(See pg 2)                                  |                                       | Bottle Group(s)<br>(See pg 2) |                           | Bottle Group(s)<br>(See pg 2) |                | Bottle Group(s)<br>(See pg 2)                                  |                                                                | Bottle Group(s)<br>(See pg 2)         |  | Bottle Group(s)<br>(See pg 2) |                            | Bottle Group(s)<br>(See pg 2) |                    | Bottle Group(s)<br>(See pg 2) |  |

|                           |                        |                                |                            |                          |                         |
|---------------------------|------------------------|--------------------------------|----------------------------|--------------------------|-------------------------|
| Relinquished By: A.O'Neal | Date/Time: 5/5/16 9:04 | Shipping Method: hand delivery | Number of Coolers Shipped: | Received By: [Signature] | Date/Time: 5/5/16 9:04A |
|---------------------------|------------------------|--------------------------------|----------------------------|--------------------------|-------------------------|