

**IRT QUARTERLY MEETING**

**NORTHWEST FLORIDA IN-LIEU FEE PROGRAM / UMBRELLA PLAN**

**JULY 19 & 20, 2011**

**[Shoal River Inspection and FDOT Chipley Office]**

| <b>Attendees</b>                       | <b>7/19/11<br/>(Shoal)</b> | <b>7/20/11<br/>(Chipley)</b> |
|--|----------------------------|------------------------------|
| Randy Turner – USACE (Jacksonville)    | ♦                          | ♦                            |
| Mary Mittiga – USFWS (Panama City)     | ♦                          | ♦                            |
| Joy Giddens – FDOT (Chipley)           | ♦                          | ♦                            |
| Tracey Ludyjan-Ybarra – FDOT (Chipley) | ♦                          | ♦                            |
| David Rydene – NMFS (St. Petersburg)   | ♦                          | ♦                            |
| Ted Hoehn – FWC (Tallahassee)          | ♦                          | ♦                            |
| Duncan Cairns – NFWFMD (Tallahassee)   |                            | ♦                            |
| David Clayton – NFWFMD (Tallahassee)   | ♦                          | ♦                            |
| Robert Lide – NFWFMD (Tallahassee)     | ♦                          | ♦                            |
| Julian Gotreaux – NFWFMD (Tallahassee) |                            | ♦                            |

The IRT quarterly meeting was held Tuesday, July 19, 2011 at the Shoal River Wetlands project area east of Crestview, and Wednesday, July 20, 2011 at FDOT District-3 Headquarters in Chipley (1074 US 90 / East Jackson Street).

**Shoal River Wetlands Site Visit and UMAM Assessment**

[Consensus for approval of Shoal River UMAM scores given by USACE/IRT]

The IRT inspected the Shoal River Wetlands mitigation area on Tuesday, July 19, 2011 and evaluated UMAM scores on Wednesday, July 20, 2011. Consensus for approval of Shoal River UMAM scores has been given by the USACE/IRT. Per USACE/IRT-approved scores, full implementation of mitigation on the approximately 1,800-acre mitigation area would yield 182.00 UMAM credits (see attached summary UMAM table and map). If the project area expands or contracts, potential UMAM credits will be recalculated using IRT-approved scores (provided habitat types and assumptions remain unchanged). Mitigation implementation is dependent on acquisition and procuring an agreement with Okaloosa County. The current situation does not protect the area from timber harvesting, and access is problematic.

### **US 331 (from Bay Grove Road to SR 20)**

[No final mitigation decision made at meeting]

The USACE/IRT is currently doing further analysis to determine the most appropriate mitigation. Per UMAMs provided by FDOT, this project will impact 81.53 acres (50.34 acres direct / 31.19 acres secondary) and require 38.02 UMAM credits as offset. However, FDOT has recently indicated that the actual impact may be less because of a reduction in the size of several stormwater ponds. Using the current UMAMs, “in-kind” mitigation would be achieved with 22.98 forested palustrine credits and 15.04 non-forested palustrine credits.

Mitigation options include Lafayette Creek Mitigation Area (UWRMP 5.3.6) and Devils Swamp Mitigation Bank (UWRMP 5.4.9). Lafayette Creek is ~3 miles NE of the impact and wholly within the Choctawhatchee Bay watershed, whereas Devils Swamp is ~8 miles ESE and straddles the Choctawhatchee/Saint Andrew watershed boundary.

### **US 331 (from Nokuse Plantation to Edgewood Circle)**

[USACE/IRT consensus for approval of Lafayette Creek as mitigation]

The USACE/IRT consensus is approval of Lafayette Creek Mitigation Area (UWRMP 5.3.6) as offsetting mitigation for US 331 (from Nokuse Plantation to Edgewood Circle).

Per UMAMs provided by FDOT District-3 to NFWFMD, this project (FDOT FIN No. 220663-5-C8-01) will result in a functional loss of 3.14 credits (direct and secondary impact combined). Mitigation credits will be debited from the Lafayette credit ledger when permits are issued for this impact. The exact number of credits debited will be dictated by state and federal permit conditions and may be slightly different from the UMAM estimate provided to NFWFMD.

### **CR 375 Syfrett Creek Bridge**

[USACE/IRT consensus for approval of Shuler as mitigation for modified impacts]

In February, 2010 the USACE/IRT approved use of the Shuler Mitigation Area (UWRMP 5.6.4) as offsetting mitigation for ~1 acre of impact at CR 375 Syfrett Creek Bridge (FDOT FIN No. 413478-1-32-01). FDOT construction plans have since been modified and will result in a slight increase in impact acreage. The USACE/IRT reaffirms its consensus for approval of Shuler as offsetting mitigation for impacts associated with this FDOT project. Mitigation credits will be debited from the Shuler credit ledger when permits are issued for this impact. The exact number of credits debited will be determined by specific conditions of state and federal permits.

## **FDOT Operations Center (Ponce de Leon) 2<sup>nd</sup> Driveway Access**

[Consensus for approval by USACE/IRT of offsite mitigation, if necessary, at Sand Hill Lakes Mitigation Bank]

Need for and history of 2<sup>nd</sup> driveway access at the FDOT Ponce de Leon Operation Center discussed. Impacts inspected by David, Kim and Tracey post-meeting (7/28/2011). If required by permits, mitigation credits will be debited from the Sand Hill Lakes Mitigation Bank credit ledger when permits are issued. The exact number of credits to be debited, if any, will be finalized by state and federal permit conditions.

## **In-Lieu Fee Program Status**

Development of the In-Lieu Fee prospectus is in progress. NFWFMD revisions are being undertaken and a draft will be sent to the USACE in the near future. A field trip to selected ILF sites (e.g., Lafayette Creek, Ward Creek West, Yellow River Ranch, Dutex) is tentatively proposed for mid to late October.

## **Mitigation Project Updates**

NFWFMD (David) gave short updates on restoration efforts at several sites:

- Dutex—hydrologic enhancements (low-water-crossings, ditch plugs, breaching of dam) and exotic vegetation treatments should be complete within 1-2 months. Shrub reduction (gyro-track) has been implemented on portions of the site per the restoration plan. Prescribed fire is tentatively scheduled for March 2012.
- Yellow River Ranch—Chinese tallow has been herbicided, ~25 acres of dog fennel removed, wiregrass planted within polygons per the restoration plan, supplemental hardwood plantings completed (all plantings are now complete), hydrologic enhancements completed 2008, shallow ponds now dry because of drought, most recent prescribed fire on 13 acres in February, 2011.
- Ward Creek West—timber harvesting completed March, 2011, wiregrass and toothache grass plantings and shrub reduction (gyro-track) completed per restoration plan. Prescribed fire scheduled for Fall, 2011.

## Shoal River Wetlands Mitigation Area (Preliminary UMAM Analysis)

### Area 1 827.41 Acres (Wetlands / Upland Buffers / ROWs)

|               | UMAM Acres | L1                                 | L2 | W1 | W1 | C1 | C2 | Cur or W/Out | With | Raw  | Time Lag | P Factor | Risk | Adjusted Delta | UMAM Credits |
|---------------|------------|------------------------------------|----|----|----|----|----|--------------|------|------|----------|----------|------|----------------|--------------|
| Polygon A     | 35.89      | 7                                  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 5.59         |
| Polygon B     | 200.22     | 6                                  | 9  | 8  | 9  | 7  | 9  | 0.70         | 0.90 | 0.20 | 1.07     | 1        | 1    | 0.19           | 37.42        |
| Polygon C     | 26.50      | 6                                  | 9  | 7  | 9  | 6  | 9  | 0.63         | 0.90 | 0.27 | 1.07     | 1        | 1    | 0.25           | 6.60         |
| Polygon F     | 28.50      | 6                                  | 9  | 7  | 9  | 6  | 9  | 0.63         | 0.90 | 0.27 | 1.07     | 1        | 1    | 0.25           | 7.10         |
| Polygon G     | 3.79       | 0                                  | 0  | 0  | 0  | 0  | 0  | 0.00         | 0.00 | 0.00 | 1        | 1        | 1    | 0.00           | 0.00         |
| <b>294.90</b> |            | <b>Area 1 Total UMAM Credits =</b> |    |    |    |    |    |              |      |      |          |          |      |                | <b>56.72</b> |

### Area 2 320.43 Acres (Wetlands / Upland Buffers / ROWs)

|               | UMAM Acres | L1                                 | L2 | W1 | W1 | C1 | C2 | Cur or W/Out | With | Raw  | Time Lag | P Factor | Risk | Adjusted Delta | UMAM Credits |
|---------------|------------|------------------------------------|----|----|----|----|----|--------------|------|------|----------|----------|------|----------------|--------------|
| Polygon A     | 303.62     | 7                                  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 47.29        |
| Polygon B     | 10.62      | 6                                  | 7  | 7  | 9  | 6  | 8  | 0.63         | 0.80 | 0.17 | 1.07     | 1        | 1    | 0.16           | 1.65         |
| <b>314.24</b> |            | <b>Area 2 Total UMAM Credits =</b> |    |    |    |    |    |              |      |      |          |          |      |                | <b>48.95</b> |

### Area 3 - Upper 381.84 Acres (Wetlands / Upland Buffers / ROWs)

|               | UMAM Acres | L1                                       | L2 | W1 | W1 | C1 | C2 | Cur or W/Out | With | Raw  | Time Lag | P Factor | Risk | Adjusted Delta | UMAM Credits |
|---------------|------------|--|----|----|----|----|----|--------------|------|------|----------|----------|------|----------------|--------------|
| Polygon A     | 56.52      | 7  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 8.80         |
| Polygon B     | 39.13      | 7  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 6.10         |
| Polygon D     | 13.03      | 7  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 2.03         |
| Polygon E     | 25.59      | 7  | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17 | 1.07     | 1        | 1    | 0.16           | 3.99         |
| <b>134.27</b> |            | <b>Area 3 Upper Total UMAM Credits =</b> |    |    |    |    |    |              |      |      |          |          |      |                | <b>16.93</b> |

### Area 3 - Lower 381.84 Acres (Wetlands / Upland Buffers / ROWs)

|           | UMAM Acres | L1 | L2 | W1 | W1 | C1 | C2 | Cur or W/Out | With | Raw  | Time Lag | P Factor | Risk | Adjusted Delta | UMAM Credits |
|-----------|------------|----|----|----|----|----|----|--------------|------|------|----------|----------|------|----------------|--------------|
| Polygon A | 32.25      | 6  | 9  | 7  | 9  | 6  | 9  | 0.63         | 0.90 | 0.27 | 1.07     | 1        | 1    | 0.25           | 8.04         |
| Polygon B | 166.92     | 4  | 9  | 6  | 9  | 4  | 9  | 0.47         | 0.90 | 0.43 | 1.68     | 1        | 1.25 | 0.21           | 34.44        |

|  |            |                             |    |    |    |    |    |              |      |                            |          |          |      |                |              |        |
|--|------------|-----------------------------|----|----|----|----|----|--------------|------|----------------------------|----------|----------|------|----------------|--------------|--------|
| Polygon E  | 1.26       | 4                           | 9  | 6  | 9  | 4  | 9  | 0.47         | 0.90 | 0.43                       | 1.68     | 1        | 1.25 | 0.21           | 0.26         |        |
| 200.43   |            |                             |    |    |    |    |    |              |      |                            |          |          |      |                | 42.74        |        |
| Area 4<br>222.72 Acres (Wetlands / Uplands Buffers / ROWs) |            |                             |    |    |    |    |    |              |      |                            |          |          |      |                |              |        |
|  | UMAM Acres | L1                          | L2 | W1 | W1 | C1 | C2 | Cur or W/Out | With | Raw                        | Time Lag | P Factor | Risk | Adjusted Delta | UMAM Credits |        |
| Polygon A  | 36.71      | 7                           | 9  | 8  | 9  | 7  | 9  | 0.73         | 0.90 | 0.17                       | 1.07     | 1        | 1    | 0.16           | 5.72         |        |
| Polygon B  | 32.39      | 6                           | 9  | 8  | 9  | 7  | 9  | 0.70         | 0.90 | 0.20                       | 1.07     | 1        | 1    | 0.19           | 6.05         |        |
| Polygon C  | 19.25      | 6                           | 9  | 7  | 9  | 6  | 9  | 0.63         | 0.90 | 0.27                       | 1.07     | 1        | 1    | 0.25           | 4.80         |        |
| Polygon F  | 0.35       | 6                           | 9  | 7  | 9  | 6  | 9  | 0.63         | 0.90 | 0.27                       | 1.07     | 1        | 1    | 0.25           | 0.09         |        |
| 88.70  |            | Area 4 Total UMAM Credits = |    |    |    |    |    |              |      |                            |          |          |      |                | 16.66        |        |
| 1,032.54 (Total Wetland Acreage)                           |            |                             |    |    |    |    |    |              |      | Total UMAM for All Areas = |          |          |      |                |              | 182.00 |

Scores approved by USACE/IRT on July 20, 2010 (WED).



**Shoal River Wetlands**  
**USACE/IRT 7/20/11 UMAM Assessment**  
**182.00 UMAM Credits (Total)**



0 0.5 1 Miles

- 1 - 56.72 UMAM Credits
- 2 - 48.95 UMAM Credits
- 3U - 16.93 UMAM Credits
- 3L - 42.74 UMAM Credits
- 4 - 16.66 UMAM Credits
- UMAM Polygons

Greater  
Crestview  
Area

