

Site Name Dean Creek Upstream of SR 87

Date: 02/14/2019

Field ID G4NW0362 Storet G4NW0362

Project: EcoRegRef Streams

Visit ID 79221

RQ: 2019-02-11-28

RPS ID 9240

LIMS ID: 2063188

VPDB ID 11215

WBID 683

HA ID 15655

☒ SCI

☐ RPS/LVS Only

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 02/26/2019

☐ Date and Initial QA: _____

☒ RPS entered in SBIO Initial FB, 02/26/2019

☐ Date and Initial QA: _____

☒ LVS entered in SBIO Initial FB, 02/26/2019

☐ Date and Initial QA: _____

☐ < 2 m² vegetation

☒ Plants getting verified

Date submitted: In House

☒ Plants verified

Date returned: 02/14/2019 FB

☐ RPS authorized in SBIO

☐ Date and Initial: _____

☐ RPS score: _____

☐ VPDB authorized in SBIO

☐ Date and Initial: _____

☐ VPDB score: _____

☐ SCI complete: _____

SCI Score: _____

☒ If SMP, scanned into database

SBIO. Project: Eco Reg Ref streams.

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET**

Data Qualified?
Yes / No

WIN Station Name:

upstream of SR
Dean Creek Sect. 6 Holly above HWY 87 S.R. CO.

Date: 2/14/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0362

WBID: 683

Latitude: 30.44642

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -86.88691
(Decimal Degrees)

Receiving Body of Water: Pensacola Bay

RQ-2019- 02-11-28
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Frank Butera									
Stopher Slade									

Sampling Equipment									
☒ Sample Container	☐ Van Dorn	☐ Pole							
☐ Carboy	☒ Syringe								
☐ Dipper	☐ Other								
Depth Measured with _____									
Equipment ID _____									

Collection Method									
☒ Wading	☐ Canoe/Kayak								
☐ From Shore	☐ Electric Motor								
☐ Other	☐ Gasoline Motor								

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# <u>154179</u>			Matrix: <u>Fresh</u> / Marine / DI		
Photos: <u>Yes</u> / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA			Tide: Rising/ Falling/ Slack <u>NA</u>			Tide Times: High _____ Low _____		
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	<u>1000</u>	<u>1.0</u>	<u>0.3</u>	<u>1.0</u>	<u>9.92</u>	<u>95.2</u>	<u>3.92</u>	<u>0.01</u>	<u>22.6</u>	<u>13.5</u>
CEN				<u>VOB</u>						

Biological Samples Collected: None <u>HA</u> <u>SCI</u> <u>RPS</u> Algae ID <u>LVS</u> LVI Other:									
SBIO ID Numbers: SBIO-ID: <u>79221</u> HA-ID: <u>15655</u> RPS-ID: <u>9240</u> Macrophyte-ID: <u>11215</u> LIMS#: <u>2063088</u>									
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4	SA8101020	04/11/2019	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	NA-8099110	04/09/2019	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	16570048		
Chlorophyll	☒ CHLSUITE-W					☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS					☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					☐ Ice			
Macroinvertebrates	☒ MI-FW-QLDC					☒ Formalin			
Periphyton	☐ ALGAE-ID					☒ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci					☒ Ice			
Molecular	☐ PCR-FILTER ☒ PCR-BacR ☒ PCR-GULL2 ☒ PCR-HF183 ☐ PCR-DG3 ☒ PCR-GFD					☒ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice			
Pesticides	☒ W-PSNP-TQ ☐ W-CT-CL-R ☒ W-E8321-DI ☐ W-PCL-SQ-R ☒ WE8321-MS ☐ W-CARB-AA					☒ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C								

Notes:	Field/WIN ID	
	Location:	<u>G4NW0362</u> <u>Dean Creek upstream of SR 87</u>
Signature: <u>Stopher Slade</u>	Date: <u>2/14/19</u>	

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

(Initials/Date) (Initials/Date) (Initials/Date)

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID 79221 ORG ID 21FLPNS LATITUDE 30.44642
 COUNTY Santa Rosa WIN ID/STORET # G4NW0362 LONGITUDE -86.88691
 DATE 02/14/2019 TIME 10:00 CTZ SAMPLING AGENCY FL DEP - NWROC
 SITE NAME Dean Creek Upstream of SR 87 RQ-2019-02-11-28
 FIELD ID/NAME G4NW0362 RECEIVING BODY OF WATER Pensacola Bay WBID 683 Project Ecoreg Ref Streams

RIPARIAN ZONE / STREAM FEATURES

LIMS ID: 2463188

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural ☒ Silviculture ☒ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industry ☐ Other (Specify) ☒ <u>Eglin AFB</u>						Landscape Development Intensity Index (LDI) <u>N/A</u>
Local Watershed Erosion (select one): ☐ None ☐ Slight ☒ Moderate ☐ Heavy Local Watershed NPS Pollution: ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy						Typical Width (m) <u>90</u> Depth (m) <u>0.2</u> Velocity (m/sec) <u>0.2</u> Transect <u>8</u> m wide
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>718</u> Right Bank: <u>718</u>			Hydrologic Modification Score (per FT 3101) <u>1-2</u>		m/s <u>0.2</u> m/s <u>0.33</u> m/s <u>0.2</u>	
High Water Mark: <u>1.6</u> + <u>1.5</u> = <u>3.1</u> (m) (above present water level) (present depth) (above bed)			Artificially Impounded ☐ Yes ☒ No		m deep <u>0.4</u> m deep <u>0.6</u> m deep <u>0.8</u>	
Artificially ☒ No ☐ Mostly recovered, more sinuous Channelized: ☐ Some recovery ☐ Recent, severe			Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☒ Heavily Shaded ☐ Moderate Shaded (46-80%)			

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse	Sediment Odors ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify):	Smothering of Substrates Sand Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Silt Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Algae Smothering: None ☒ Slight ☐ Moderate ☐ Severe ☐
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SUBSTRATE TYPE

Assessment Tool: ☒ SCI ☒ RPS ☒ LVS
☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	<u>17.0</u>	<u>4</u>	
Undercut Banks / Roots	<u>4.0</u>	<u>4</u>	
Leaf Packs or Mat	<u>6.2</u>	<u>4</u>	
Aquatic Vegetation	<u>2.6</u>	<u>4</u>	
Rock or Shell Rubble..			
Sand.....	<u>70.1</u>	<u>4</u>	
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top:	<u>0.3</u>	<u>13.5</u>	<u>3.92</u>	<u>9.92</u>	<u>95.2</u>	<u>22.6</u>	<u>4.01</u>	<u>1.0</u>
Mid:								☒ VOB
Bottom:								TOTAL DEPTH <u>1.0</u>

Meter ID: 154179

Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐	Water Surface Oils Normal ☒ Sheen ☐ Globbs ☐ Slick ☐ Other ☐
Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☐ Yes ☐ No Lot Number: _____ Exp: _____	Color Tannic ☐ Green (Algae) ☐ Clear ☒ Other (Specify) ☐
Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot Number: _____ Exp: _____	Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐

System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐

AMBIENT FIELD CONDITIONS / NOTES:

☒ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM: Frank Butera, Stopher Slade

SIGNATURE

Frank Butera

DATE:

02/14/2019

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

A hand-drawn sketch on graph paper. The sketch is contained within a large, irregular rectangular border. Inside this border, there are several symbols: a circled 'P' on the left side, a circled 'S' at the top right, a circled 'Q' at the bottom left, and a circled 'S' at the bottom right. There are also several 'X' marks, some of which are crossed out with multiple lines. Arrows point in various directions, some towards the center and some away from it. There are also some scribbles and lines that appear to be part of the sketch. The entire sketch is drawn with black ink on a white background with a grid of small squares.

Left
Bank[illegible]

100 m Long -86.88613

0-10 meter [A]	Habitat Area (M)	Left Bank	Right Bank
8.0	Snag 10	Bankfull	Bankfull
0m width (m) 8.0	Root 5	+	+
10m width 9.0	Leaf 30	Slope	Slope
Max Depth 1.3	Veg 0.1	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (P)		

10-20 meter [B]	Habitat Area (M)	Left Bank	Right Bank
	Snag 16	Bankfull	Bankfull
20m width 8.0	Root 5	+	+
	Leaf 3	Slope	Slope
Max Depth 1.3	Veg	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (B)		

20-30 meter [C]	Habitat Area (M)	Left Bank	Right Bank
	Snag 20.0	Bankfull	Bankfull
30m width 8.0	Root 7.0	+	+
	Leaf 8.0	Slope	Slope
Max Depth 1.5	Veg 0.1	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (P)		

30-40 meter [D]	Habitat Area (M)	Left Bank	Right Bank
	Snag 10.0	Bankfull	Bankfull
40m width 8.0	Root 4.0	+	+
	Leaf 2.0	Slope	Slope
Max Depth 1.0	Veg	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (K)		

40-50 meter [E]	Habitat Area (M)	Left Bank	Right Bank
	Snag 1.2	Bankfull	Bankfull
50m width 8.0	Root 2.0	+	+
	Leaf 0.5	Slope	Slope
Max Depth 1.0	Veg	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L	Rock		
Rip. Buff R	Other (S)		

50-60 meter [F]	Habitat Area (M)	Left Bank	Right Bank
	Snag 16	Bankfull	Bankfull
60m width 9m	Root 2.0	+	+
	Leaf 2.0	Slope	Slope
Max Depth 1.0	Veg 3.0	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other		

60-70 meter [G]	Habitat Area (M)	Left Bank	Right Bank
	Snag 15	Bankfull	Bankfull
70m width 9.0	Root 2.0	+	+
	Leaf 1.0	Slope	Slope
Max Depth 1.1	Veg 3.0	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other		

70-80 meter [H]	Habitat Area (M)	Left Bank	Right Bank
	Snag 22.0	Bankfull	Bankfull
80m width 8.0	Root 2.0	+	+
	Leaf 2.0	Slope	Slope
Max Depth 1.3	Veg 1.0	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (S)		

80-90 meter [I]	Habitat Area (M)	Left Bank	Right Bank
	Snag 8.0	Bankfull	Bankfull
90m width 8.0	Root 3.0	+	+
	Leaf 2.0	Slope	Slope
Max Depth 1.0	Veg 1.0	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (S) (P)		

90-100 meter [J]	Habitat Area (M)	Left Bank	Right Bank
	Snag 15	Bankfull	Bankfull
100m width 8.0	Root 2.0	+	+
	Leaf 1.0	Slope	Slope
Max Depth 0.8	Veg 4.0	+	+
Avg. Depth 0.6	Gravel	Veg	Veg
Rip. Buff L 718	Rock	+	+
Rip. Buff R 718	Other (S)		

Station Name Stream #2 SR
Dean Creek above Hwy 87

Storet: G4NW0362

Date 02/14/2019

GPS Coordinates

0 meter 30.44636
86.88685

100 meter

86.88685
30.44656 x 86.88613
 Water Quality Measured at

0m 2.0
0.25 m/s 2.0 meter mark

90m 2.33
 Number of Pools & Location

A, C, I 3

Silt smothering @

A, B, D, E, H-J

Sand Smothering @

V

Algae Smothering @

—

Degraded Banks @

—

Total Habitat	Sq. Meters	Percent
Snags	142	17%
Roots	33	4.0
Leaf	51.5	6.2
Veg	21.2	2.6
Rock		
Gravel		
Sand	582	70.1
Other		
Other		
Sum 1° Habitat	247.7	29.8

Notes:

(16) cut roots in 1/2 hr smothering
 Avg. width 8.3m

Avg. Depth 0.62
SB10 ZD 79221

2

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY: 21FLPNS		STORET STATION NUMBER: G4NW0362	DATE (MM/DD/YY):	RECEIVING BODY OF WATER: Pensacola Bay
REMARKS: WBID 683	COUNTY: Santa Rosa	LOCATION: Dean Creek Section 6 Holly above HWY 87 S.R.CO. <u>upstream of SR</u>		FIELD ID/NAME: G4NW0362

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>18</u>	20 19 <u>18</u> 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>15</u>	Greater than 30% major productive habitat present at site 20 19 18 17 <u>16</u>	16% to 30% major productive habitat, by aerial extent <u>15</u> 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>24</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 <u>20</u> 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>19</u> ----- Primary Score <u>72</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. <u>20</u> 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. 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). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 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>	<u>20</u> 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank <u>10</u> Left Bank <u>10</u>	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. 10 9	Only meets 2 of the 3 requirements for optimal bank stability. 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. 3 2 1
Riparian Buffer Zone Width Right Bank <u>10</u> Left Bank <u>10</u>	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m 8 7 6	Width of vegetation 6 to 12 m. human activities close to system 5 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank <u>10</u> Left Bank <u>10</u> ----- Secondary Score <u>80</u>	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. 10 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

152 TOTAL SCORE 152/160 = 95%

Date: <u>4/14/2019</u>	Analyst: <u>J Butera</u>	Signature: <u>Frank Butera</u>
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SBIO ID: 79221 HA ID: 15655

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Dean Creek ~~Section 6 Holly above HWY 87~~
~~S.R. 00.~~ *upstream of SR*

County:
 Santa Rosa

Date:
 02/14/2019

Investigators: F. Butera

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	No	84	60	1	N	No	96
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
10	1	N	No	96	70	1	N	No	83
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
20	1	N	No	96	80	1	N	No	59
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
30	1	N	No	89	90	1	N	No	72
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
40	1	N	No	96	100	1	N	No	78
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
50	1	N	No	95	Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.				
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9	N	No						
				Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.					
				Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.					
				Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.					

STORET Station Number:
 G4NW0362

Secchi depth *3.95*
 Estimated? *No*

points ranked 4-6 *2*
 total points assessed *99*
 % points ranked 4-6 *2*

Check accompanying data collected at same site/date.

Algal mat sample ☐
 Linear Veg Survey ☒
 Habitat Assessment ☒
 SCI/Biorecon ☒
 Water sample ☒

RQ-2019-02-11-28

Algal Thickness Rank

N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10 cm
6	>10 cm

SBIO Visit ID: *79221*

RPS ID
9244

UPstream OF SR

Date: 2/14/19

Storet Number: G4NW0362

Signature _____

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² 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.

Fontana, 4

X	X	X	X	X			X
---	---	---	---	---	--	--	---

Indicate % cover macrophytes per section

0-5% Macrophyte Coverage

>5 and ≤10% Macrophyte Coverage

>10 and ≤25% Macrophyte Coverage

>25 and ≤50% Macrophyte Coverage

> 50% Macrophyte Coverage

Field ID G4NW0362

RPS ID 9240

SBIO ID 79221

VPDB ID 11215

LIMS ID ~~62-160-800 F.A.C.~~ *Line*

2063188

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of 2

Revision Date: March 1, 2014