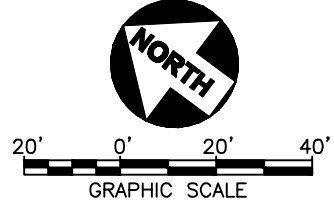


APPENDICES

APPENDIX A

SELECTED CONSTRUCTION DRAWINGS FOR THE TROPICAL FARMS TREATMENT SYSTEM SITE



LEGEND

- OPEN CUT/RESTORE PAVEMENT (PER DETAIL)
- PROPOSED PIPE
- EXISTING SWALE
- ALIGNMENT CENTERLINE
- PROPOSED STRUCTURE
- PROPOSED MITERED END SECTION
- PROPOSED STRUCTURE NUMBER
- EXISTING RIGHT-OF-WAY
- PROPOSED POST/RAIL FENCE
- PROPOSED CONFLICT/SERVICE ADJUSTMENT (SEE DETAIL)
- PROPOSED SIDEWALK REPLACEMENT (SEE DETAIL-SHEET 21)
- PROPERTY LINE
- EXISTING 8" WATERMAIN
- EXISTING 6" FORCEMAIN
- OVERHEAD ELECTRIC
- BURIED ELECTRIC
- EXISTING EDGE OF PAVEMENT
- EXISTING WATER SERVICE
- WOODEN POWER POLE

NOTES:

- AREAS SURROUNDING ALL PROPOSED INLETS TO BE REGRADED TO POSITIVELY DRAIN TO INLETS.
- STRUCTURES SHOULD BE CONSTRUCTED IN TWO PIECES SUCH THAT FIELD ADJUSTMENTS CAN BE MADE TO GRATE/TOP ELEVATIONS IF NECESSARY.
- ALL DRAINAGE AND UTILITY EASEMENTS ARE EXISTING.
- ALL DISTURBED AREAS TO BE SOODED.
- CONTRACTOR TO REPAIR/REPLACE ALL UTILITIES DAMAGED DURING CONSTRUCTION.
- CONTRACTOR TO LOCATE (POTHOLE) ALL WATER AND SEWER MAINS AT CONFLICTS PRIOR TO COMMENCING WORK OR SUBMITTING SHOP DRAWING FOR REVIEW.
- MITERED END SECTION (M.E.S.) SHALL BE PER FOOT INDEX NO. 272/273. COST OF PIPE TO BE INCLUDED WITH M.E.S.
- CONTRACTOR SHALL CONTACT FIELD REP FOR VERIFICATION OF STAKED STRUCTURE PLACEMENT PRIOR TO INSTALLATION.
- PROPOSED SIDEWALKS TO BE COMPLIANT WITH ADA GUIDELINES. CROSS SLOPE SHALL BE 2% MAX. LONGITUDINAL SLOPE SHALL BE 1/12 MAX.
- CONTRACTOR TO LOCATE ALL WATERMAIN SERVICES AND ADJUST AS NEEDED.

UTILITY NOTES:

- UTILITY WORK DEPICTED ON THIS PAGE TO BE PERFORMED AFTER WORK DEPICTED ON SHEET 15 & 16 IN ORDER TO MAINTAIN SERVICE. ADJUSTMENTS TO BOTH (WM & FM) PRIOR TO ANY WORK ON THIS SHEET.
- PROPOSED WM/FM IMPROVEMENTS TO BE CONSTRUCTED AND APPROVED BY MARTIN COUNTY UTILITIES PRIOR TO DISRUPTION OF EXISTING SERVICE. AFTER APPROVAL OF PROPOSED LINES, CONNECTION TO EXISTING LINES MAY BE MADE UNDER DIRECT SUPERVISION OF E.O.R. AND M.C.U. 15 FULL BUSINESS DAYS PRIOR TO COMMENCING UTILITY WORK.

FORCE MAIN NOTES:

CONTRACTOR TO DETERMINE LOCATION AND DEPTH OF EXISTING FORCE MAIN PRIOR TO HORIZONTAL DIRECTIONAL DRILL. COORDINATE WITH MARTIN COUNTY UTILITIES 5 FULL BUSINESS DAYS PRIOR TO WORK.

NOTE: SEE SHEET 14 FOR WATER AND FORCE MAIN RECORD DATA.

B Betsy Lindsay, Inc.
SURVEYING AND MAPPING

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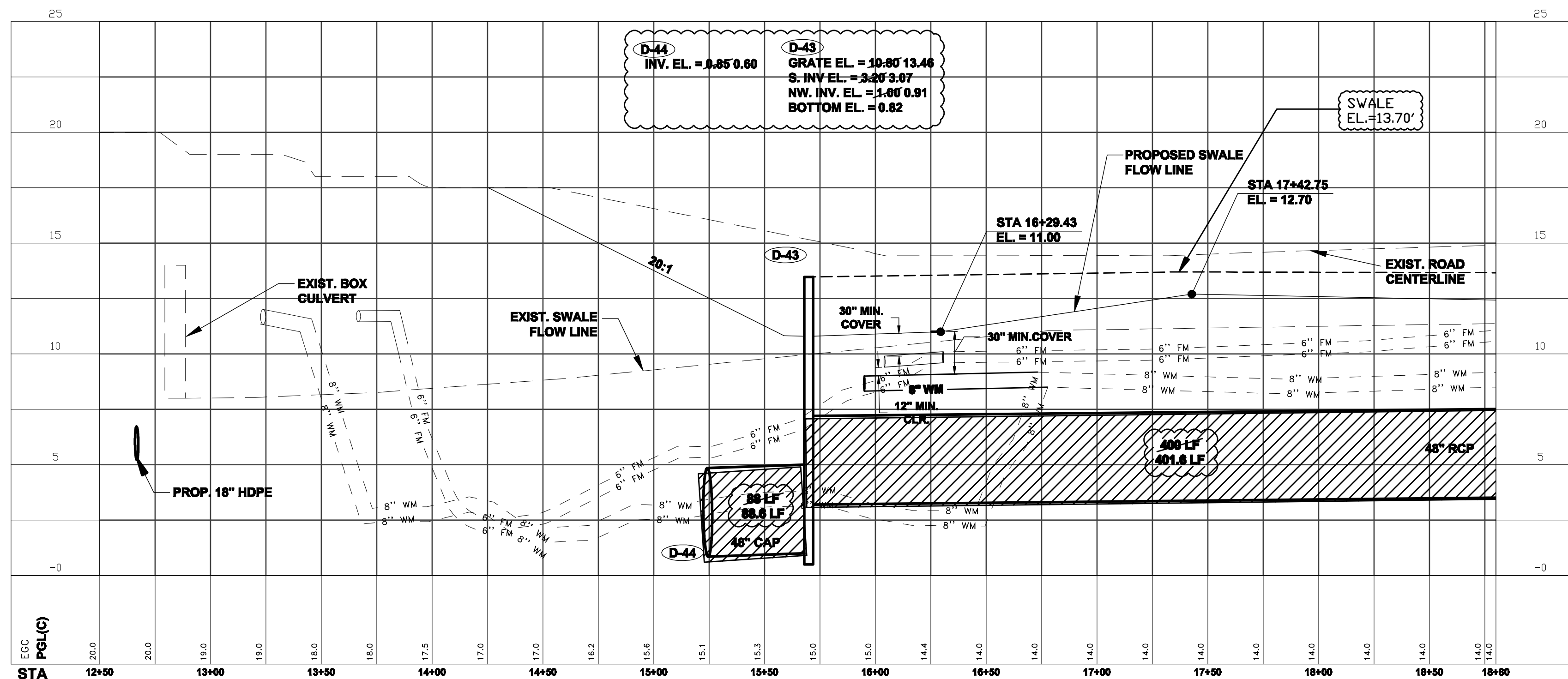
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SUNSHINE STATE ONE CALL
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PROFILE SCALE

HORIZ: 1" = 40'
VERT: 1" = 4'

RECORD LEGEND

- | | |
|--------|--------------------------------|
| ARV | AIR RELEASE VALVE |
| CONST. | CONSTRUCTION |
| E | EASTING |
| EL. | ELEVATION |
| EP | EDGE OF PAVEMENT |
| GV | GATE VALVE |
| HDPE | HIGH DENSITY POLYETHYLENE PIPE |
| INV. | INVERT |
| IRC | IRON ROD AND CAP |
| LB | LICENSED BUSINESS |
| L.F. | LINEAR FEET |
| M.E.S. | MITERED END SECTION |
| N | NORTHING |
| NOL | NUMBER |
| P.S.M. | PROFESSIONAL SURVEYOR & MAPPER |
| PT | POINT |
| RCP | REINFORCED CONCRETE PIPE |
| STA | STATION |
| TOB | TOP OF BANK |
| TOE | TOE OF SLOPE |
| TOF | TOP OF FLANGE |
| TON | TOP OF NUT |
| TOP | TOP OF PIPE |
| TRAV | TRAVERSE |
| | RECORD DATA |



TROPICAL FARMS
WATER QUALITY RETROFIT
MARTIN COUNTY, FLORIDA
SW LOCKS ROAD
PLAN AND PROFILE

Joseph W. Capra
301 N.W. Flagler Ave., Ste. 201
Stuart, Florida 34994
P.E. No. 37638

Printed Date:

JOB No.: **830.3**
SHEET
8 OF **26**

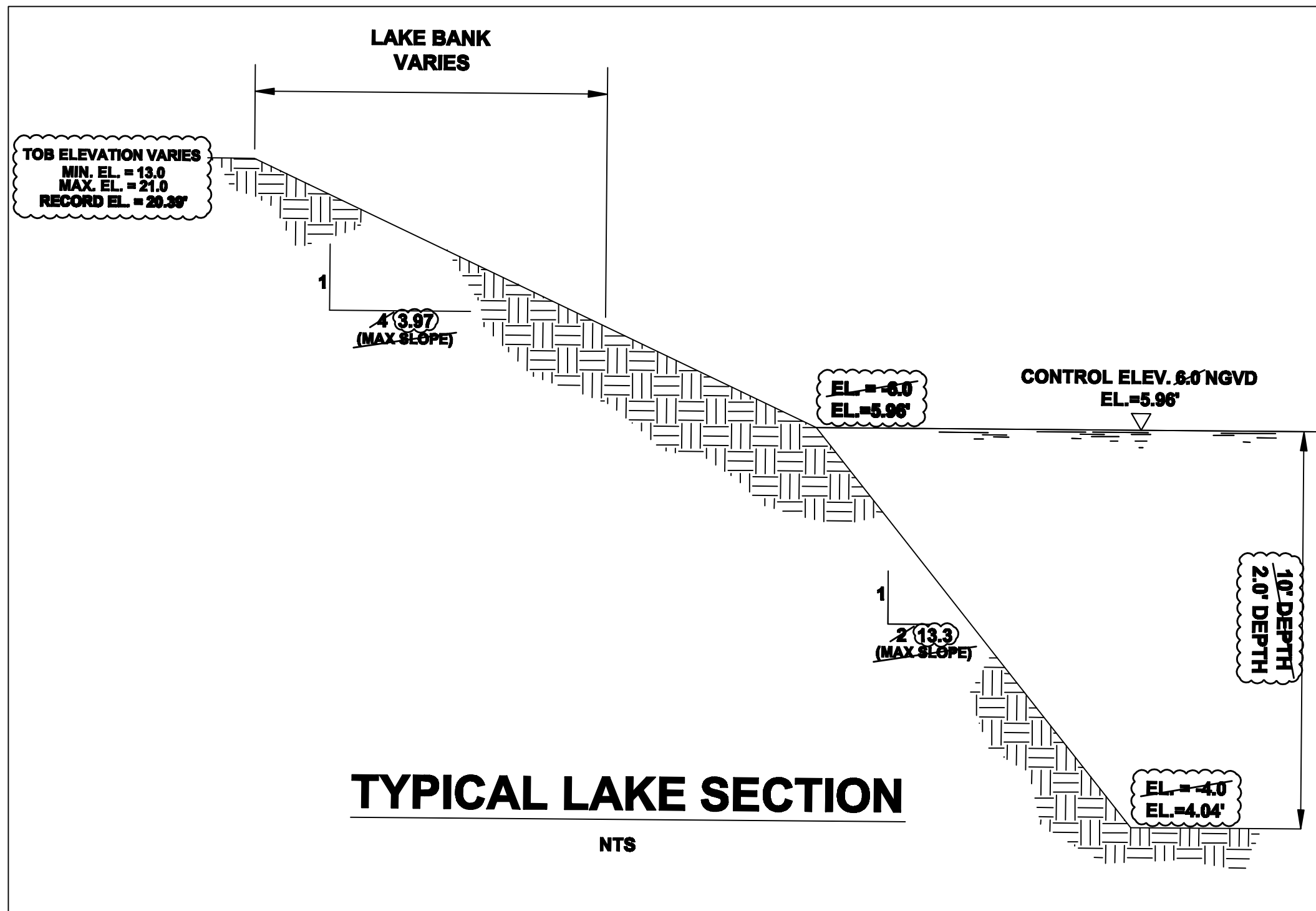


DATE: 07/17/11
DRAWN BY: DHR
DESIGNED BY: RPK
CHECKED BY: JNC
PROJECT NO.: 830.3
HORIZ. SCALE: 1" = 40'
VERT. SCALE: AS SHOWN
CADD FILE: PIPE SYSTEM

NO.	DATE	BY	REVISIONS
1	12/10/07	MM	REVISION PER ADDITIONAL TOPO
2	07-21-08	RRK	BID SET

SCALE
VERIFICATION
1
SOLID BAR IS EQUAL
TO ONE INCH ON
ORIGINAL DRAWING.
ADJUST ALL SCALED
DIMENSIONS
ACCORDINGLY

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS AN INSTRUMENT OF SERVICE. IT IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHOM IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY CAPTEC ENGINEERING, INC. SHALL BE WITHOUT LIABILITY TO CAPTEC ENGINEERING, INC.



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 - CONTRACTOR TO REPAIR/REPLACE ALL UTILITIES DAMAGED DURING CONSTRUCTION.
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 - PROPOSED SIDEWALKS TO BE COMPLIANT WITH ADA GUIDELINES. CROSS SLOPE SHALL BE 2% MAX. LONGITUDINAL SLOPE SHALL BE 1:12 MAX.
 - CONTRACTOR TO LOCATE ALL WATERMAIN SERVICES AND ADJUST AS NEEDED.

- UTILITY NOTES:**
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RECORD LEGEND

ARV	AIR RELEASE VALVE
CONST.	CONSTRUCTION
E	EASTING
EL.	ELEVATION
EP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
INV.	INVERT
IRC	IRON ROD AND CAP
LB	LICENSED BUSINESS
L.F.	LINEAR FEET
M.E.S.	MITERED END SECTION
N	NORTHING
NO.	NUMBER
P.S.M.	PROFESSIONAL SURVEYOR & MAPPER
PT	POINT
RCP	REINFORCED CONCRETE PIPE
STA	STATION
TOB	TOP OF BANK
TOE	TOP OF SLOPE
TOF	TOP OF FLANGE
TON	TOP OF NUT
TOP	TOP OF PIPE
TRAV	TRAVERSE
	RECORD DATA

8" 45° BEND
EL. = 9.50'
N 1009621.24
E 888903.22
COVER = 4.4'

WATERMAIN TIE IN
8" 22.5° BEND
EL. = 9.50'
N 1009620.43
E 888901.40
COVER = 4.4'

FORCEMAIN TIE IN
6" 45° BEND
EL. = 10.28'
N 1009600.40
E 888902.53
COVER = 3.6'

8" 45° BEND
EL. = 9.50'
N 1009618.38
E 888910.69
COVER = 4.4'

8" WM GV TON
EL. = 10.90'
N 1009620.41
E 888915.26
COVER = 4.4'

8" WM
EL. = 8.84'
N 1009659.27
E 889002.46
COVER = 4.9'

8" WM
EL. = 8.60'
N 1009700.58
E 889093.11
COVER = 4.6'

8" WM
EL. = 8.66'
N 1009740.00
E 889182.72
COVER = 4.5'

8" WM
EL. = 8.86'
N 1009781.21
E 889272.50
COVER = 4.1'

8" WM
EL. = 8.65'
N 1009821.04
E 889362.94
COVER = 4.0'

8" 45° BEND
EL. = 6.71'
N 1009851.68
E 889456.21
COVER = 6.7'

6" 45° BEND
EL. = 10.18'
N 1009825.64
E 889534.14
COVER = 3.4'

6" FM GV TON
EL. = 11.38'
N 1009820.78
E 889532.96
COVER = 3.4'

6" FM TEE
EL. = 10.18'
N 1009819.92
E 889531.10
COVER = 3.4'

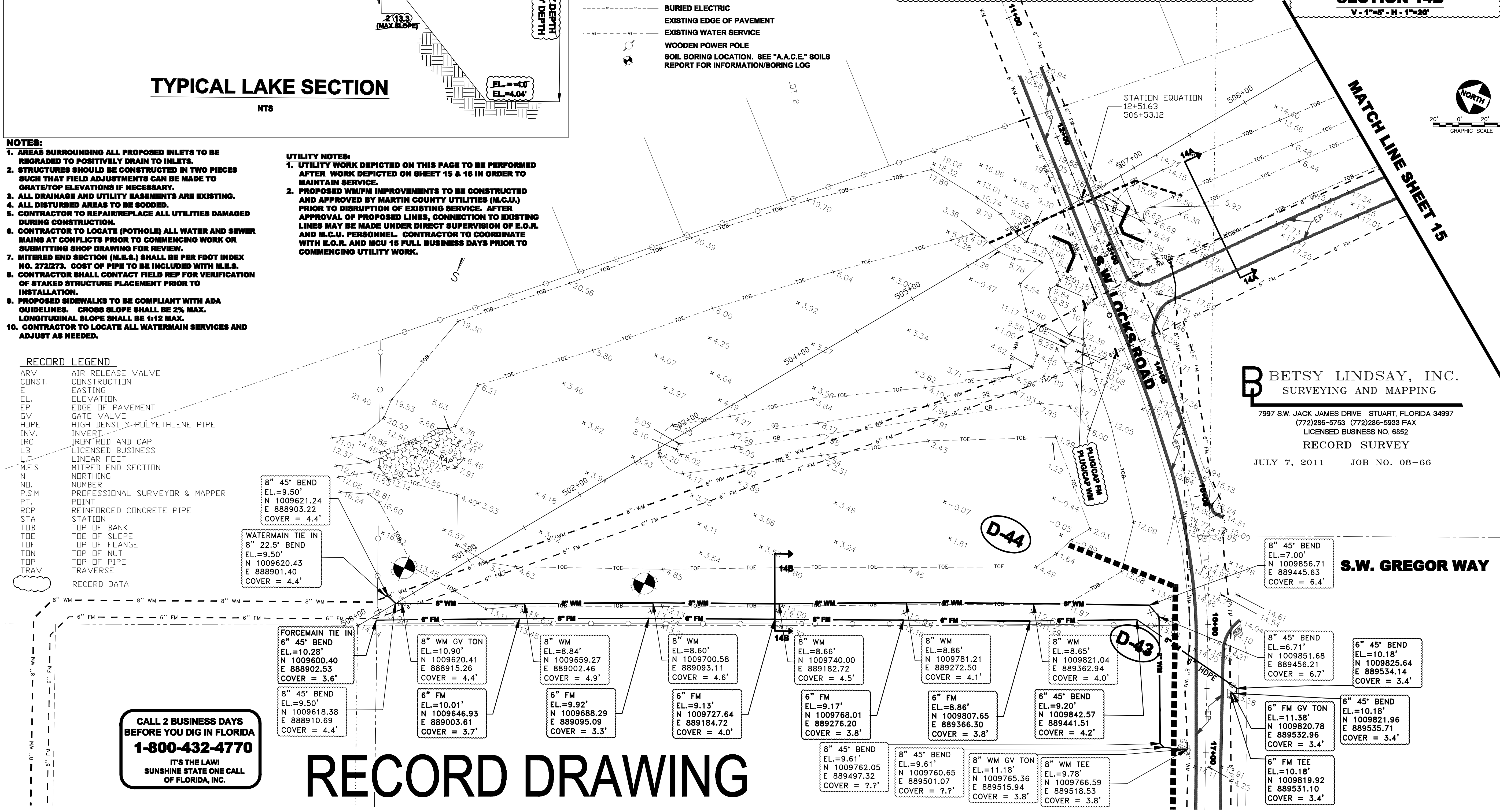
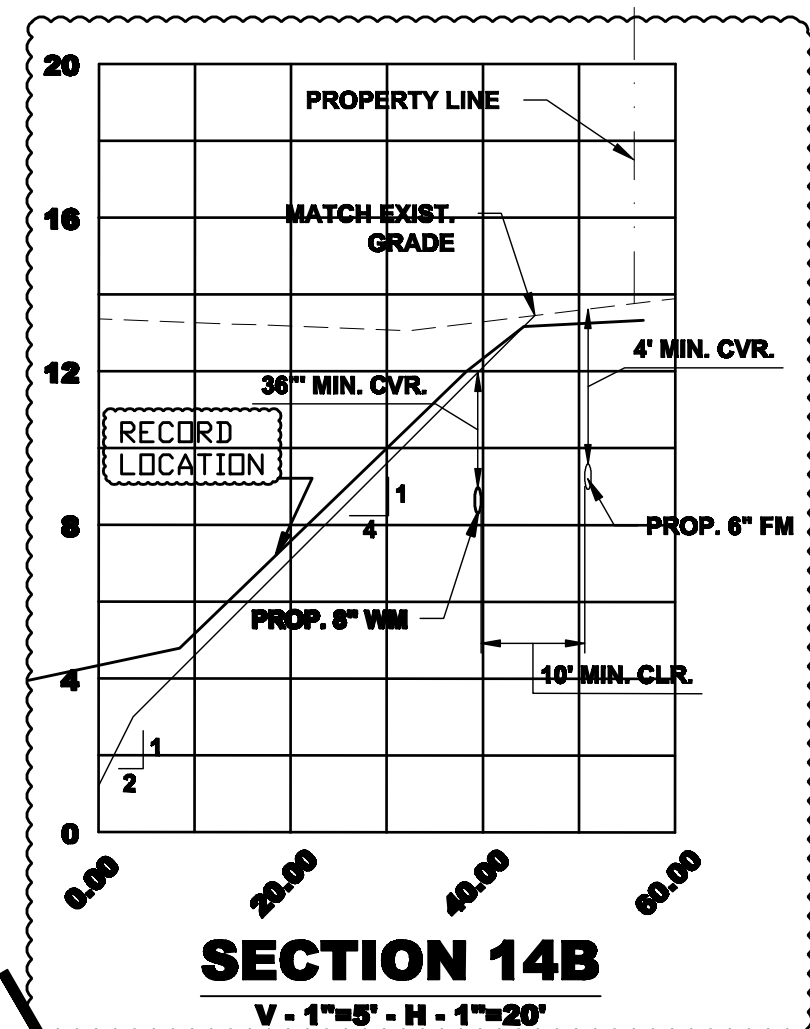
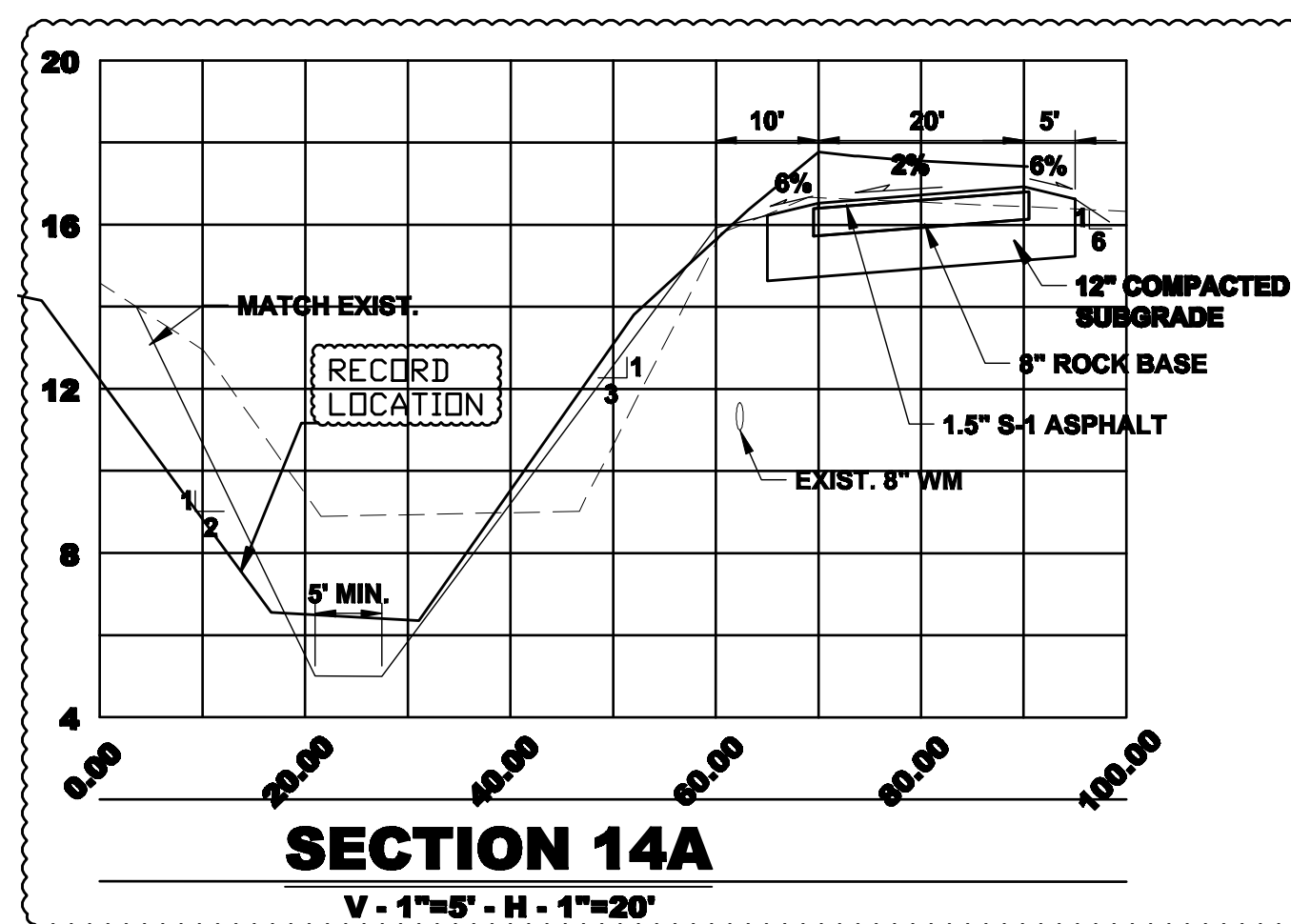
8" 45° BEND
EL. = 9.61'
N 1009762.05
E 889497.32
COVER = 3.8'

8" 45° BEND
EL. = 9.61'
N 1009760.65
E 889501.07
COVER = 3.8'

8" WM GV TON
EL. = 11.18'
N 1009765.36
E 889515.94
COVER = 3.8'

8" WM TEE
EL. = 9.78'
N 1009766.59
E 889518.53
COVER = 3.8'

- LEGEND**
- OPEN CUT/RESTORE PAVEMENT (PER DETAIL)
 - PROPOSED PIPE
 - EXISTING SWALE
 - ALIGNMENT CENTERLINE
 - PROPOSED STRUCTURE
 - PROPOSED MITERED END SECTION
 - PROPOSED STRUCTURE NUMBER
 - EXISTING RIGHT-OF-WAY
 - PROPOSED POST/RAIL FENCE
 - PROPOSED CONFLICT/SERVICE ADJUSTMENT (SEE DETAIL)
 - PROPOSED SIDEWALK REPLACEMENT
 - PROPOSED DRIVEWAY REPLACEMENT (SEE DETAIL-SHEET 21)
 - PROPERTY LINE
 - EXISTING 8" WATERMAIN
 - EXISTING 6" FORCEMAIN
 - OVERHEAD ELECTRIC
 - BURIED ELECTRIC
 - EXISTING EDGE OF PAVEMENT
 - EXISTING WATER SERVICE
 - WOODEN POWER POLE
 - SOIL BORING LOCATION. SEE "A.A.C.E." SOILS REPORT FOR INFORMATION/BORING LOG



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LICENSED BUSINESS NO. 6852
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JULY 7, 2011 JOB NO. 08-66

TROPICAL FARMS
WATER QUALITY RETROFIT
MARTIN COUNTY, FLORIDA
LAKE PLAN AND SECTION

Joseph W. Capra
301 N.W. Flagler Ave., Ste. 201
Stuart, Florida 34994
P.E. No. 37638

Printed Date:
JOB No.: **830.3**
SHEET
14 OF **26**

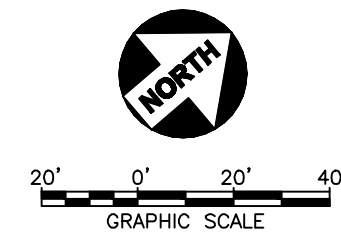
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Engineering Inc.
Civil Engineering Professionals
301 NW Flagler Ave., Ste. 201
Stuart, Florida 34994
Phone: (772) 882-4344
Fax: (772) 882-4341
Engineering Business
No. 25007057

DATE:	07/17/11
DRAWN BY:	DHR
DESIGNED BY:	RRK
CHECKED BY:	JNC
PROJECT NO.:	830.3
NO. SCALE:	1" = 40'
VERT. SCALE:	AS SHOWN
CADD FILE:	PIPE SYSTEM

NO.	DATE	BY	REVISIONS
1	07-21-11	RRK	REVISION PER ADDITIONAL TOPO
2	12/07/11	MM	

SCALE
VERIFICATION
1
SOLID BAR IS EQUAL
TO ONE INCH ON
ORIGINAL DRAWING.
ADJUST ALL SCALED
DIMENSIONS
ACCORDINGLY

Printed Date:
JOB No.: **830.3**
SHEET
14 OF **26**



LEGEND

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- PROPOSED PIPE
- EXISTING SWALE
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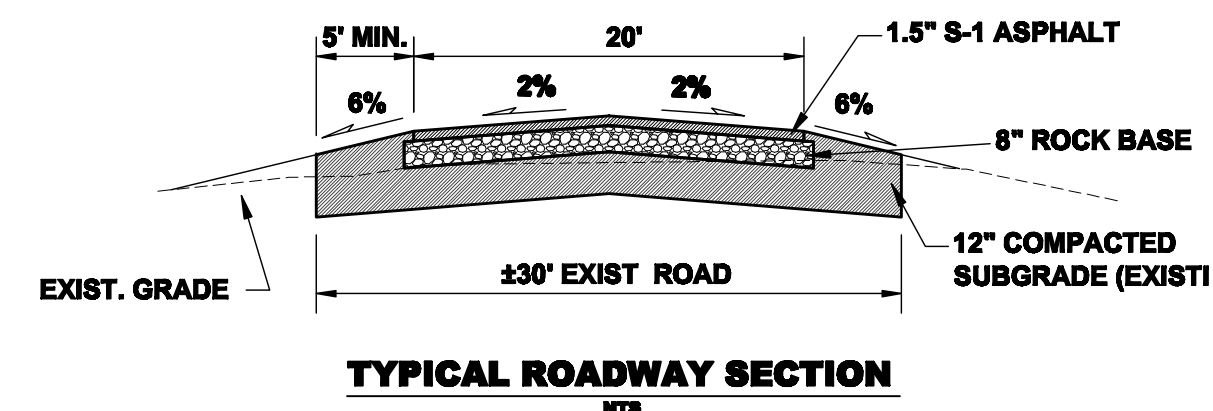
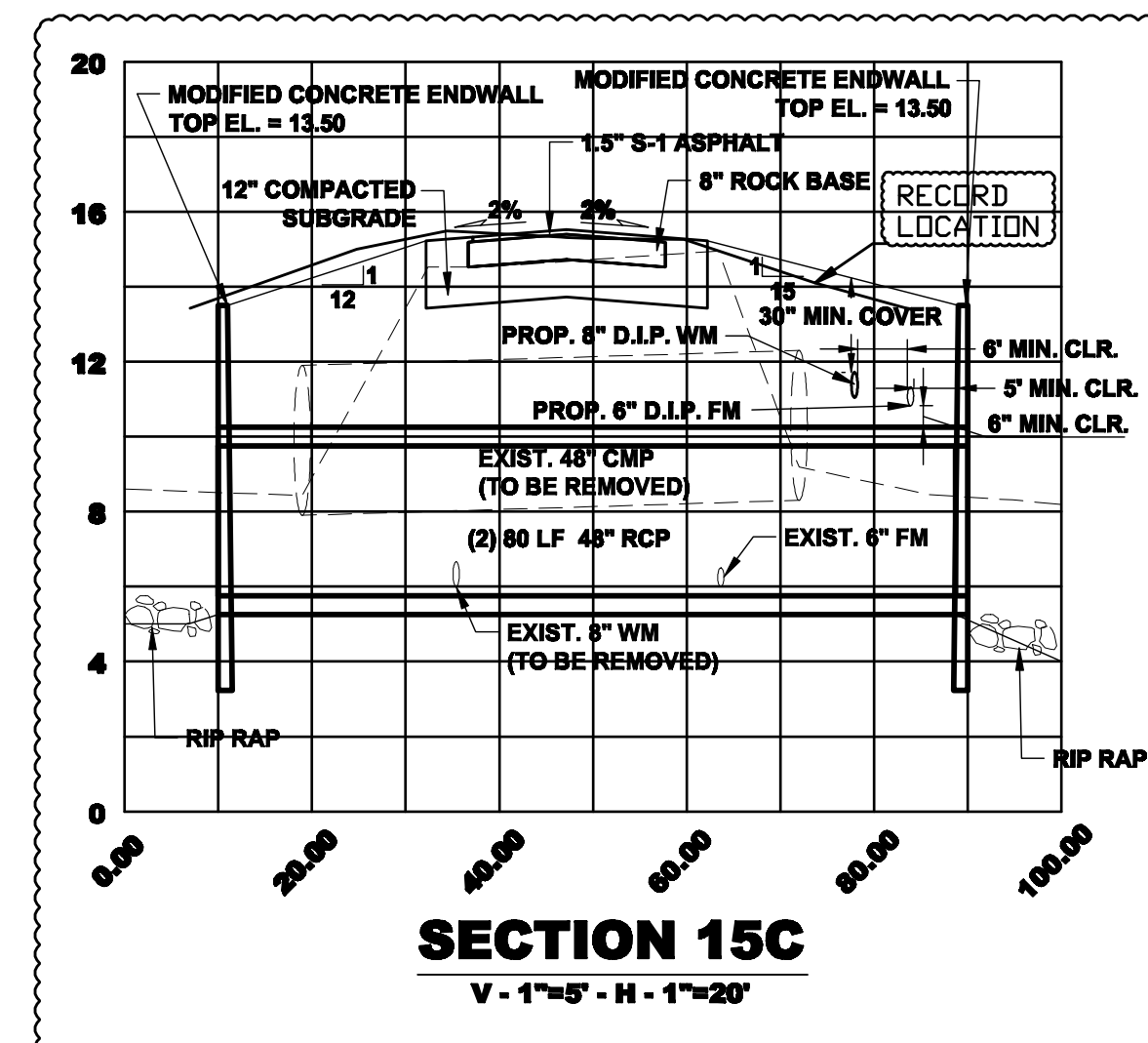
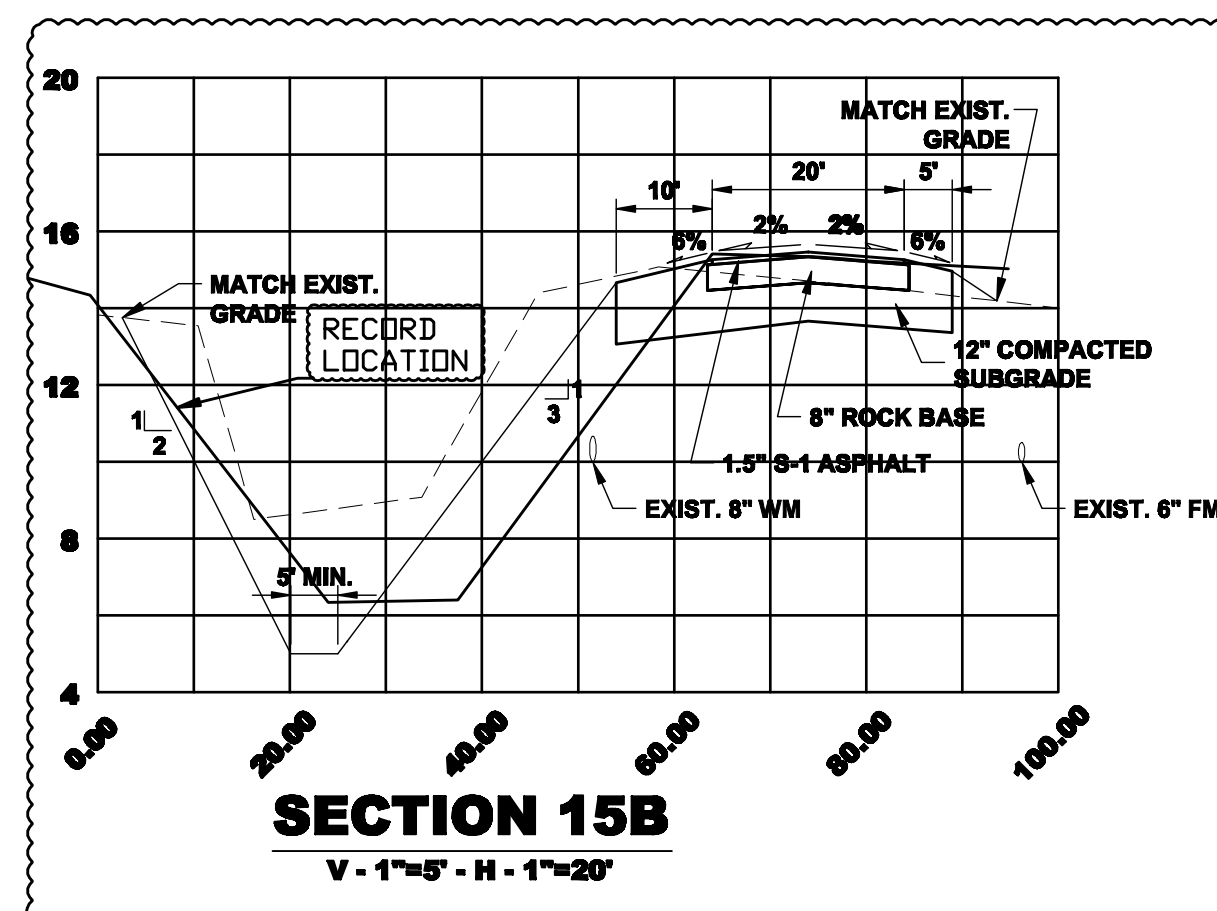
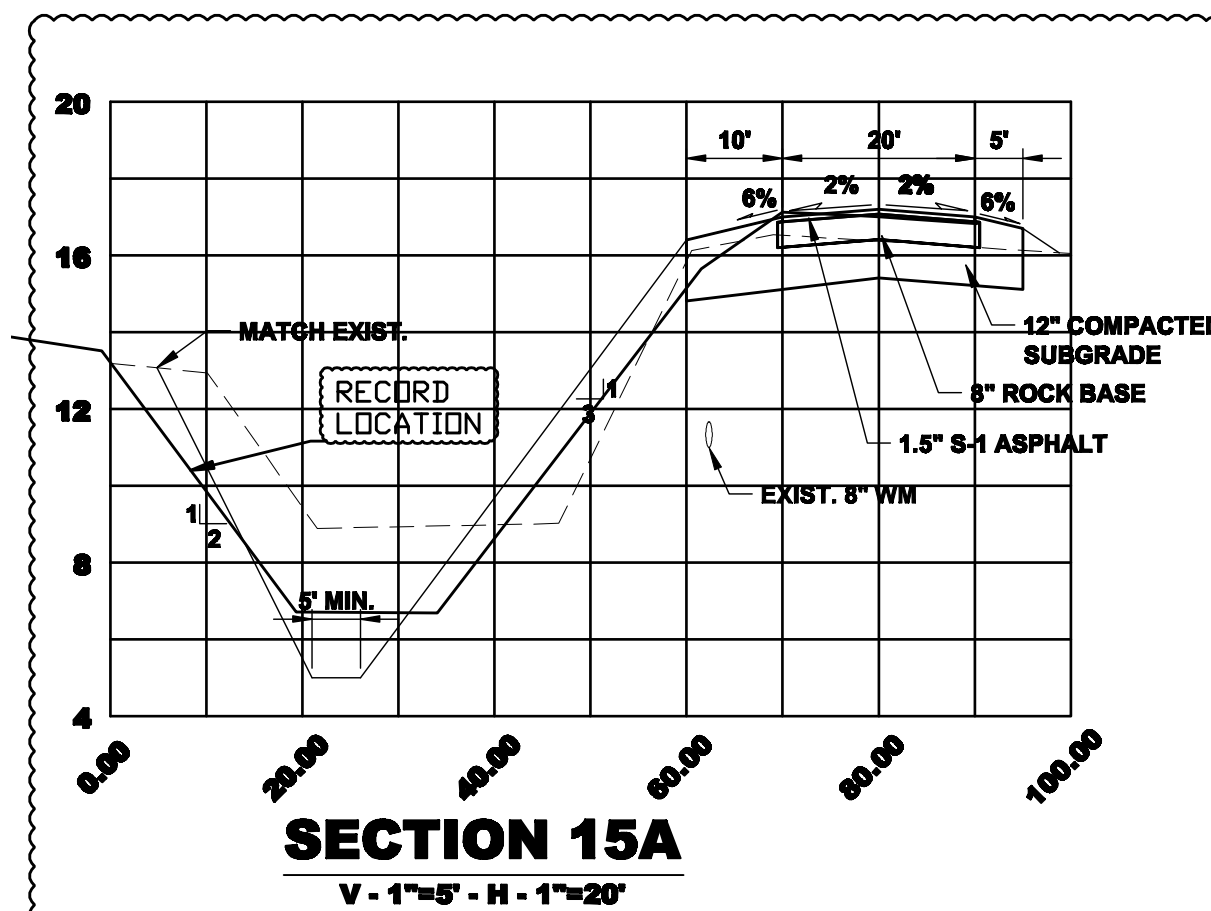
NOTES:

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- ALL DRAINAGE STRUCTURES SHALL HAVE 18" SUMP BELOW PIPE INVERT ELEVATIONS.
- ALL DRAINAGE AND UTILITY EASEMENTS ARE EXISTING.
- ALL DISTURBED AREAS TO BE SODDED.
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UTILITY NOTES:

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RECORD DRAWING



ROAD CONSTRUCTION NOTES:

- REGRADE EXISTING ROAD TO SLOPE PER SECTION.
- COMPACT EXISTING ROAD AS SUBGRADE - 98% DENSITY PER AASHTO T-180.
- ADD 8" COQUINA BASE, COMPACTED TO 98% DENSITY - LBR 100.
- ADD 1.5" S-1 ASPHALT.

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RECORD SURVEY

JULY 7, 2010 JOB NO. 08-66



DATE	07/17/10
DRAWN BY:	DHR
DESIGNED BY:	RRK
CHECKED BY:	JNC
PROJECT NO.:	830.3
HORIZ. SCALE:	1"=40'
VERT. SCALE:	AS SHOWN
CADD FILE:	PIPE SYSTEM

NO.	DATE	BY	REVISIONS
1	07-21-08	RRK	BID SET
2	12/07/07	RRK	REVISION PER ADDITIONAL TOPO

SCALE	1
VERIFICATION	SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED ACCORDINGLY.

TROPICAL FARMS
WATER QUALITY RETROFIT
MARTIN COUNTY, FLORIDA

PHIPPS PARK
ENTRANCE ROAD

Joseph W. Capra
301 N.W. Flagler Ave., Ste. 201
Stuart, Florida 34994
P.E. No. 37638

Printed Date:

JOB No.: **830.3**
SHEET
15 OF 26

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LEGEND

	OPEN CUT/RESTORE PAVEMENT (PER DETAIL)
	PROPOSED PIPE
	EXISTING SWALE
	ALIGNMENT CENTERLINE
	PROPOSED STRUCTURE
	PROPOSED MITRED END SECTION
	PROPOSED STRUCTURE NUMBER
	EXISTING RIGHT-OF-WAY
	PROPOSED POST/RAIL FENCE
	PROPOSED CONFLICT/SERVICE ADJUSTMENT (SEE DETAIL)
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	BURIED ELECTRIC
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	EXISTING WATER SERVICE
	WOODEN POWER POLE
	SOIL BORING LOCATION. SEE "A.A.C.E." SOILS REPORT FOR INFORMATION/BORING LOG

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4. ALL DISTURBED AREAS TO BE SOODED.
5. CONTRACTOR TO REPAIR/REPLACE ALL UTILITIES DAMAGED DURING CONSTRUCTION.
6. CONTRACTOR TO LOCATE (POTHOLE) ALL WATER AND SEWER MAINS AT CONFLICTS PRIOR TO COMMENCING WORK OR SUBMITTING SHOP DRAWING FOR REVIEW.
7. MITRED END SECTION (M.E.S.) SHALL BE PER FOOT INDEX NO. 272273. COST OF PIPE TO BE INCLUDED WITH M.E.S.
8. CONTRACTOR SHALL CONTACT FIELD REP FOR VERIFICATION OF STAKED STRUCTURE PLACEMENT PRIOR TO INSTALLATION.
9. PROPOSED SIDEWALKS TO BE COMPLIANT WITH ADA GUIDELINES. CROSS SLOPE SHALL BE 2% MAX. LONGITUDINAL SLOPE SHALL BE 1:12 MAX.
10. CONTRACTOR TO LOCATE ALL WATERMAIN SERVICES AND ADJUST AS NEEDED.

CLEARING AND GRUBBING NOTES

1. THE CONTRACTOR WILL NOT CLEAR AND GRUB ANY SITE WITHOUT PRIOR CONFIRMATION OF WETLAND AND UPLAND PRESERVATION REQUIREMENTS. ALL PRESERVATION AREAS WILL BE FENCED TO AVOID ENCRoACHMENT AND WILL BE STRICTLY ENFORCED. CAPTEC ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR ENCRoACHMENT BY CONTRACTOR WITHIN WETLAND/UPLAND PRESERVATION AREAS. CONTRACTOR IS CAUTIONED TO REVIEW ALL PERMITS AND CONSTRUCTION DOCUMENTS PRIOR TO THE CLEARING/GRUBBING PHASE.
2. THE CONTRACTOR WILL NOT CLEAR OR GRUB ANY AREAS WITHIN THE WETLANDS OR THE WETLAND UPLAND BUFFER.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING PERIMETER EROSION AND SEDIMENT CONTROL UNTIL THE PROJECT IS COMPLETE.

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SOIL EROSION NOTES

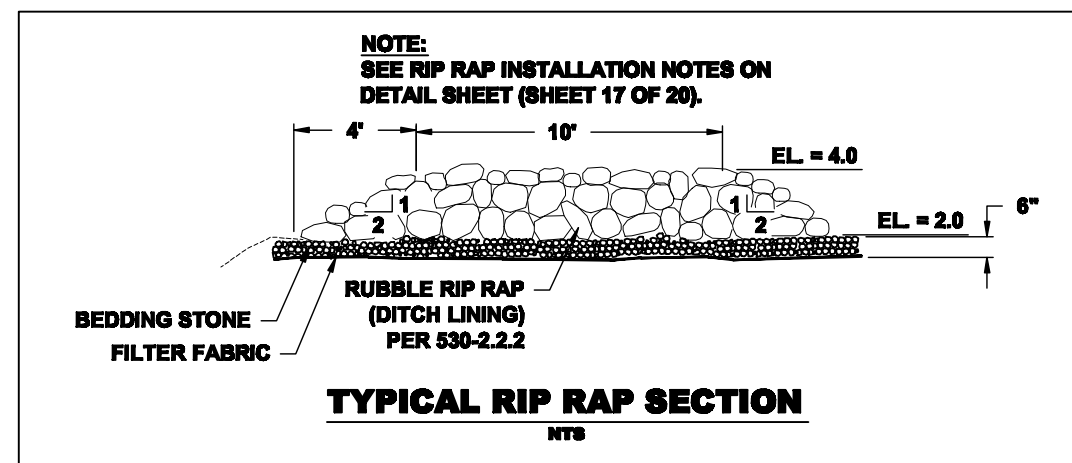
1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SPECIFIC SOIL EROSION PLAN. IN GENERAL, THE SOIL EROSION PLAN SHALL REQUIRE THAT ALL ON-SITE SOILS WILL REMAIN ON-SITE AND WILL NOT ERODE INTO THE ADJACENT ROADSIDE SWALES, ADJACENT PROPERTIES, OR RETENTION DITCHES. ALL EXIST. SWALES SHALL REMAIN SOODED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCARIFY ONLY AS NECESSARY TO CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL SCARIFY AREAS TO PLACE VARIOUS PIPE WORK. AFTER PLACEMENT OF THE PIPE, THESE TRENCHES SHALL BE BACKFILLED AND COMPACTED 96% DENSITY. SILTATION BARRIERS AND HAY BALES SHALL BE UTILIZED AS PER FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 102. UPON COMPLETION OF THE SITE WORK, ALL AREAS SHALL BE SOODED WITHIN SEVEN DAYS TO AVOID EROSION. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL STATE WATER QUALITY CRITERIA, SPECIFICALLY, NO OFF-SITE DISCHARGES WILL BE ALLOWED.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN CHAPTER 8 OF THE FLORIDA LAND DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION, 1988).
3. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEMS SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.

SWPPP NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) NOTICE OF INTENT TO USE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NOR, RULE 62-251, 300 (4), F.A.C.) PRIOR TO MOBILIZATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING PERIMETER SEDIMENT AND EROSION CONTROL AND TURBIDITY CONTROL PRIOR TO COMMENCING WORK. CONTRACTOR SHALL COORDINATE WITH CITY OF PORT ST. LUCIE NPDES INSPECTOR FOR INSPECTION OF PERIMETER MEASURES PRIOR TO OBTAINING ENGINEERING PERMIT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE TO PREVENT TRACKOUT. PAVED ROADS SHALL BE SWEEPED AND KEPT CLEAR OF TRANSPORTED SOILS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING WATER TRUCK AVAILABLE FOR TEMPORARY STABILIZATION OF DISTURBED AREAS PRIOR TO SOODING/SEEDING HAY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER STORAGE AND DISPOSAL OF ALL DEBRIS, CHEMICALS, LITTER, AND SANITARY WASTES PER LOCAL, STATE AND FEDERAL GUIDANCES. ANY FERTILIZERS, HERBICIDES, OR PESTICIDES USED SHALL BE APPLIED PER THE METHODS AND RATES RECOMMENDED BY THE MANUFACTURER BY A QUALIFIED PERSON.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ON-SITE VEHICLES IN GOOD WORKING ORDER TO PREVENT ANY FLUID LEAKAGES.
7. THE CONTRACTOR IS RESPONSIBLE FOR VISUALLY INSPECTING ALL PERIMETER CONTROL, TURBIDITY BARRIERS, AND ENTRANCE/EXIT SOIL TRACKING DEVICES ON A REGULAR BASIS AS REQUIRED BY NPDES PERMIT. A THOROUGH INSPECTION SHALL BE CONDUCTED ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.59 INCHES OR GREATER. ALL DEFICIENCIES SHALL BE NOTED ON THE SUPPLIED INSPECTION FORM AND BE REPAIRED PRIOR TO THE NEXT INSPECTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL INSPECTION REPORTS, RAINFALL REPORTS, AND ANY TURBIDITY ANALYSES ON SITE DURING CONSTRUCTION AND FOR A MINIMUM PERIOD OF THREE YEARS FOLLOWING CONSTRUCTION, OR AS REQUIRED BY NPDES PERMIT.

UTILITY NOTES

PROPOSED WMMF IMPROVEMENTS TO BE CONSTRUCTED AND APPROVED BY MARTIN COUNTY UTILITIES (M.C.U.) PRIOR TO DISRUPTION OF EXISTING SERVICE. AFTER APPROVAL OF PROPOSED LINES, CONNECTION TO EXISTING LINES MAY BE MADE UNDER DIRECT SUPERVISION OF E.O.R. AND M.C.U. PERSONNEL. CONTRACTOR TO COORDINATE WITH E.O.R. AND MCI 15 FULL BUSINESS DAYS PRIOR TO COMMENCING UTILITY WORK.



B BETSY LINDSAY, INC.
SURVEYING AND MAPPING

7997 S.W. JACK JAMES DRIVE STUART, FLORIDA 34997
(772)286-5753 (772)286-5933 FAX
LICENSED BUSINESS NO. 6852

RECORD SURVEY

JULY 7, 2011 JOB NO. 08-66

RECORD LEGEND

ARV	AIR RELEASE VALVE
CONST.	CONSTRUCTION
E	EASTING
EL	ELEVATION
EP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
INV.	INVERT
IRC	IRON ROD AND CAP
LB	LICENSED BUSINESS
L.F.	LINEAR FEET
M.E.S.	MITRED END SECTION
N	NORTHING
NO.	NUMBER
P.S.M.	PROFESSIONAL SURVEYOR & MAPPER
PT.	POINT
RCP	REINFORCED CONCRETE PIPE
STA	STATION
TOB	TOP OF BANK
TOE	TOE OF SLOPE
TOP	TOP OF FLANGE
TON	TOP OF NUT
TOP	TOP OF PIPE
TRAV	TRAVERSE
	RECORD DATA

MATCH LINE SHEET 15



RECORD DRAWING

301 NW Flagler Ave., Ste. 201
Stuart, Florida 34994
Phone: (772) 882-4344
Fax: (772) 882-4341



Engineering Services
No. 155-000707

Civil Engineering Professionals

DATE:	07/17/11
DRAWN BY:	DHR
DESIGNED BY:	RRK
CHECKED BY:	JNC
PROJECT NO.:	830.3
HORIZ. SCALE:	1" = 40'
VERT. SCALE:	AS SHOWN
CADD FILE:	PIPE SYSTEM

NO.	DATE	BY	REVISIONS
1	11-08-08	JNC	APPROVED FOR CONSTRUCTION
2	07-21-08	RRK	BID SET
3	12/07/07	MB	REVISION PER ADDITIONAL TOPO

SCALE	1
VERIFICATION	1
SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED ACCORDINGLY.	

TROPICAL FARMS
WATER QUALITY RETROFIT
MARTIN COUNTY, FLORIDA

STA PLAN

Joseph W. Capra
301 N.W. Flagler Ave., Ste. 201
Stuart, Florida 34994
P.E. No. 37638

Printed Date:

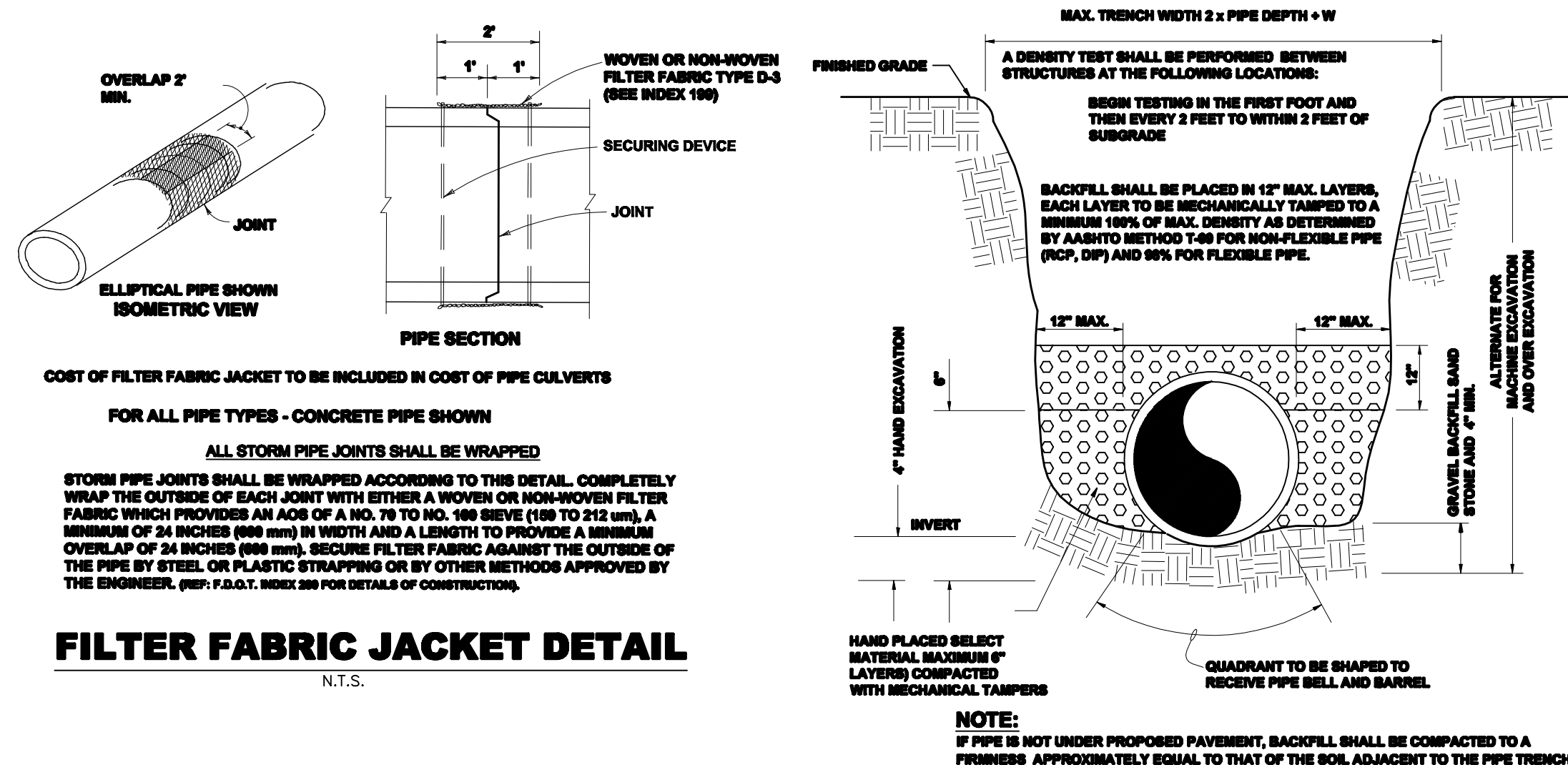
JOB No.: **830.3**
SHEET
16 B OF **26**

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS AN INSTRUMENT OF SERVICE, IS WITHDRAWN ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY CAPTEC ENGINEERING, INC. SHALL BE WITHOUT LIABILITY TO CAPTEC ENGINEERING, INC.

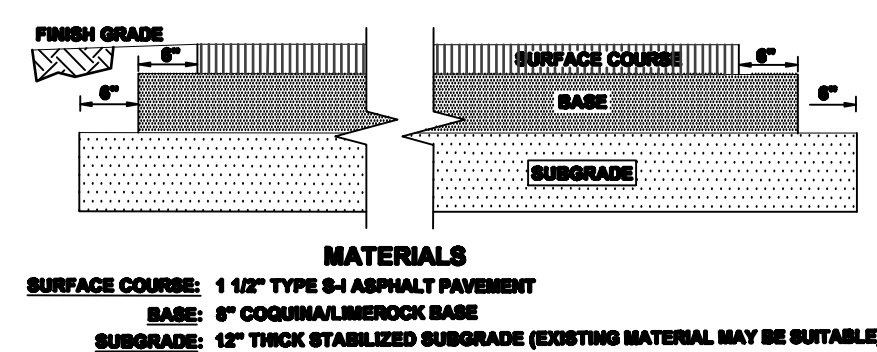
RECORD SURVEY
JULY 7, 2011 JOB NO. 08-66

CS	CONTROL STRUCTURE
EL	ELEVATION
INV.	INVERT
LB	LICENSED BUSINESS
NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
NO.	NUMBER
P.L.S.	PROFESSIONAL LAND SURVEYOR
P.S.M.	PROFESSIONAL SURVEYOR & MAPPER

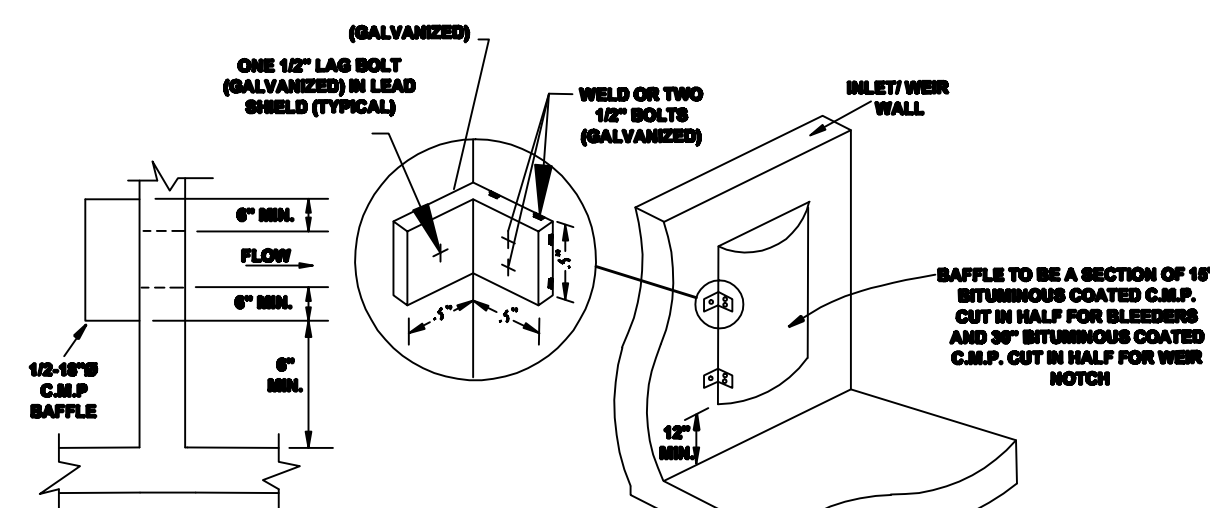
} RECORD DATA



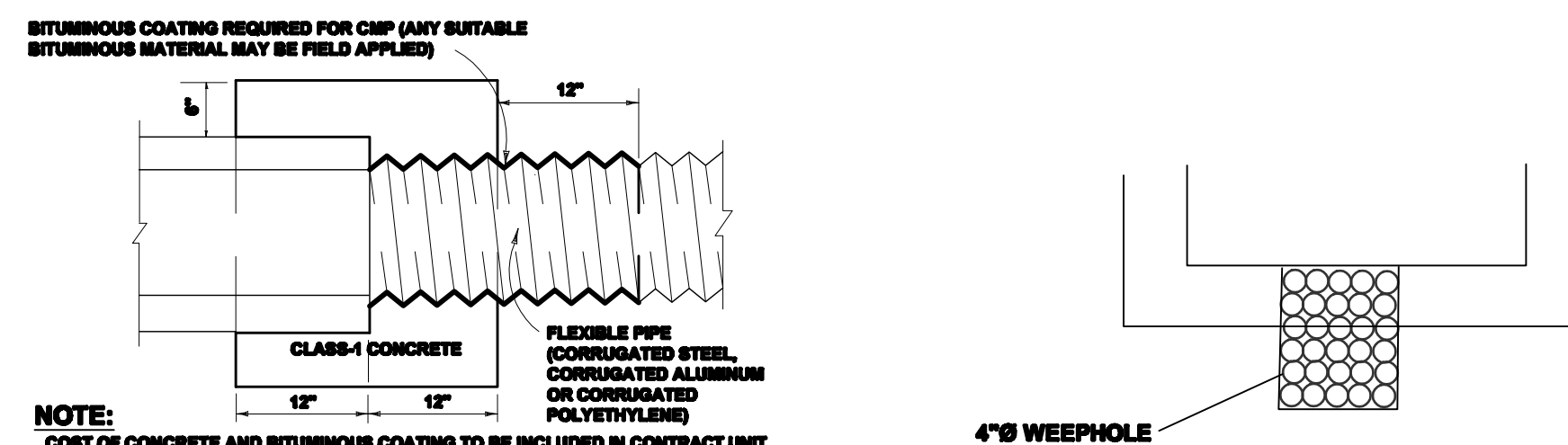
N.T.S



N.T.S.



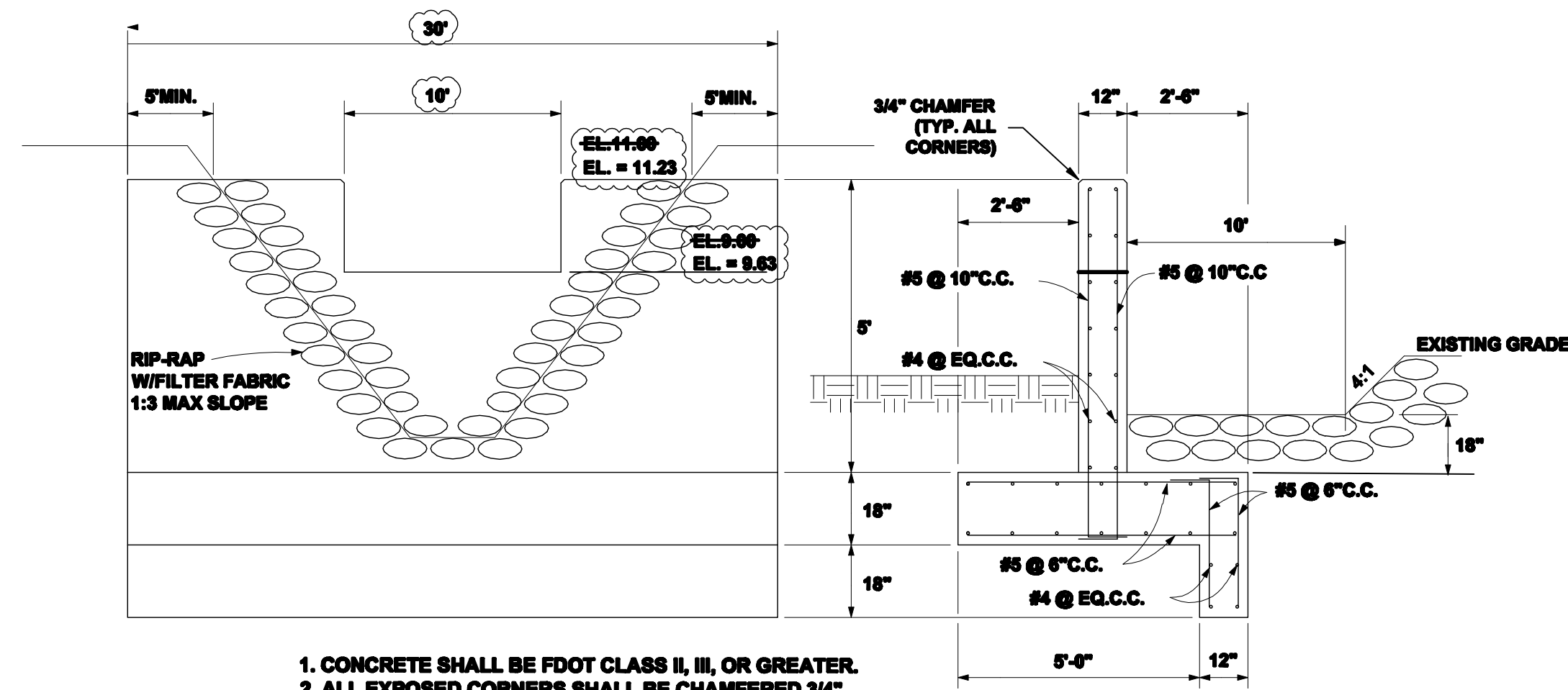
N.T.S.



NOTE: OR CORRUGATED POLYETHYLENE)
COST OF CONCRETE AND BITUMINOUS COATING TO BE INCLUDED IN CONTRACT UNIT PRICE FOR EITHER NEW PIPE OR MITERED END SECTION. A CONCRETE JACKET SHALL NOT BE USED TO JOIN:

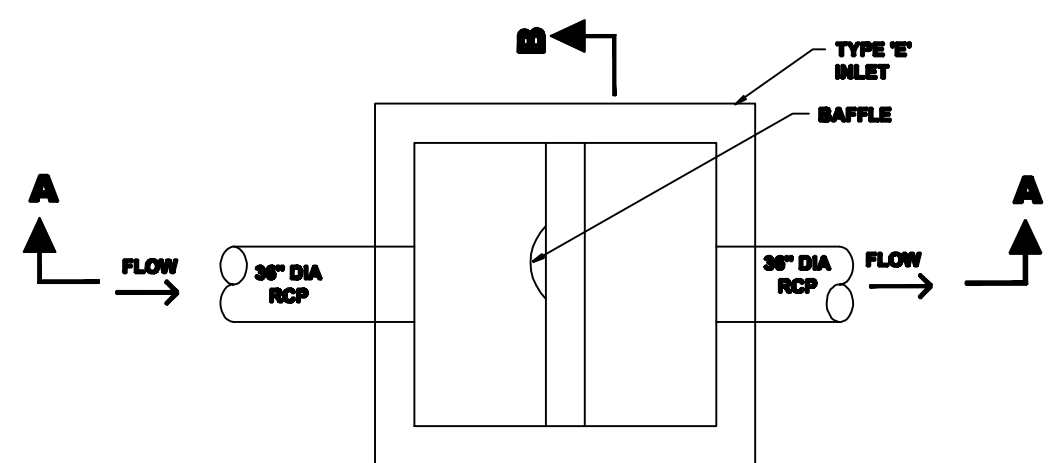
(A) METAL PIPE OF DISSIMILAR MATERIALS
(B) FLEXIBLE PIPE WHEN THE MINIMUM COVER REQUIRED IN ACCORDANCE WITH INDEX NO. 286 CANNOT BE OBTAINED.

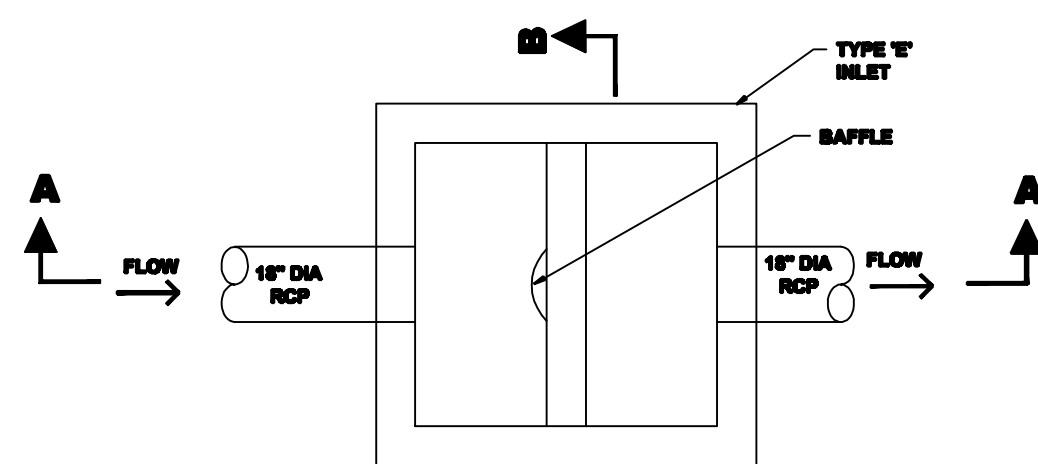
N.T.S.

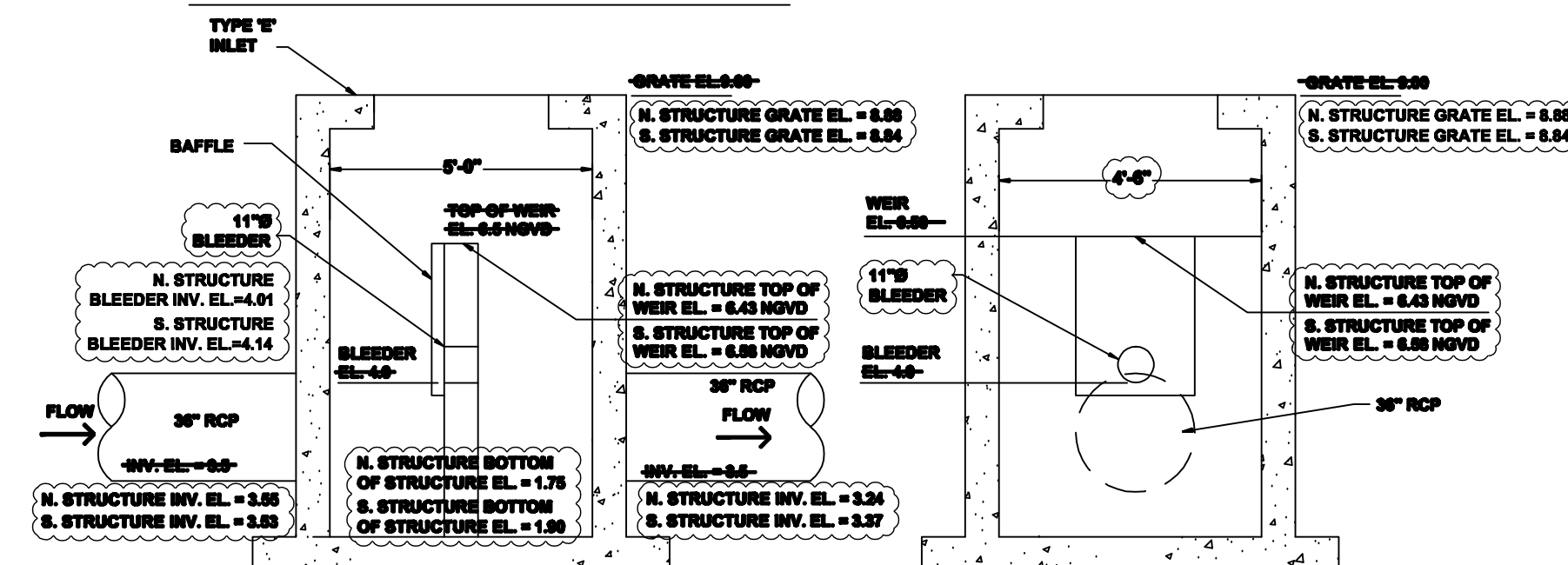
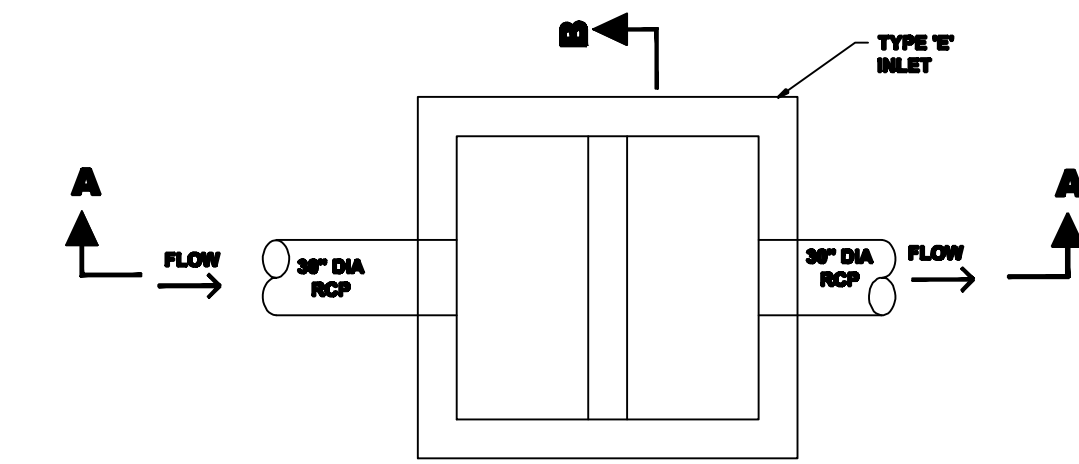


1. CONCRETE SHALL BE FDOT CLASS II, III, OR GREATER.
2. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4".

N.T.S.





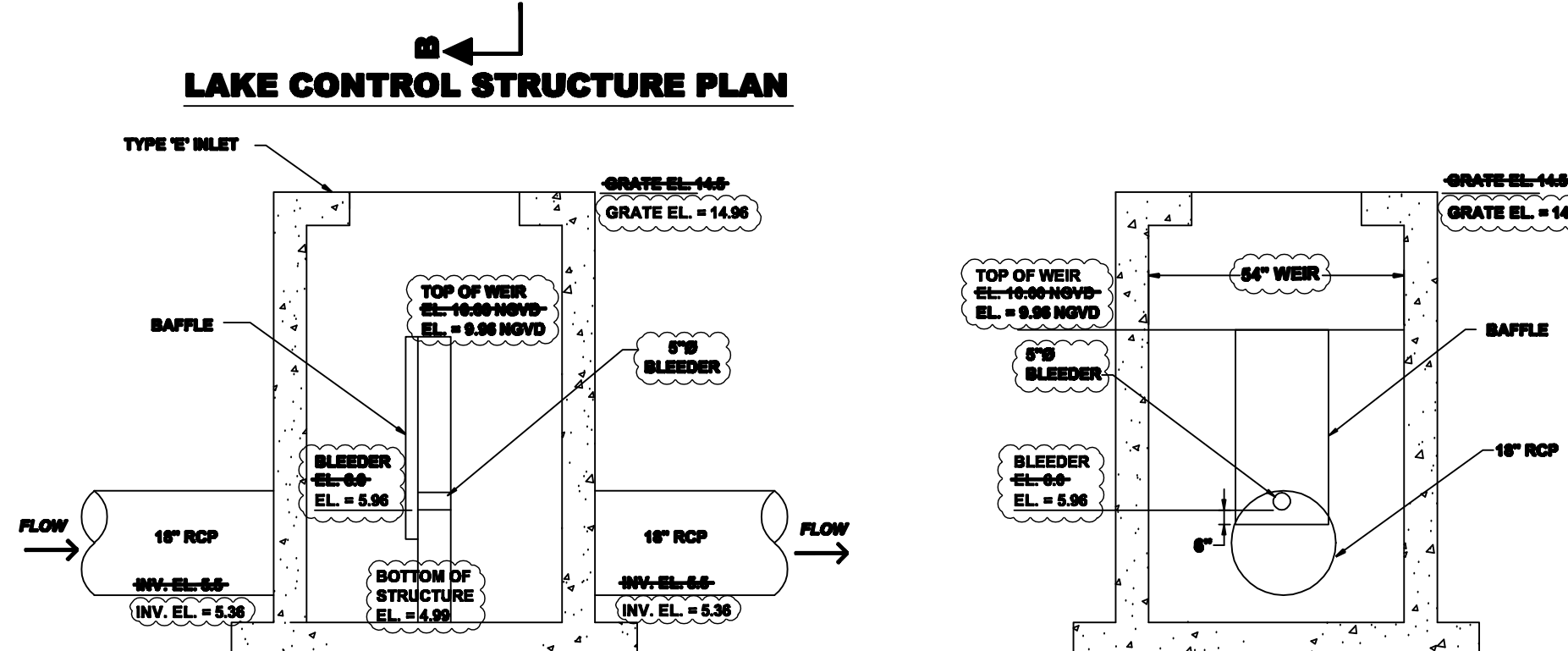


SECTION B-B

STA CONTROL STRUCTURE (CS # 1, REQUIRED) DETAIL

N.T.S.

- NOTES:**
- 1. ALL ELEVATIONS ARE NGVD 29.**
 - 2. DETAIL IS OF SINGLE STRUCTURE, 2 STRUCTURES MEETING THE REQUIREMENTS OF THIS DETAIL TO BE INSTALLED FOR A COMPLETE CONTROL STRUCTURE.**

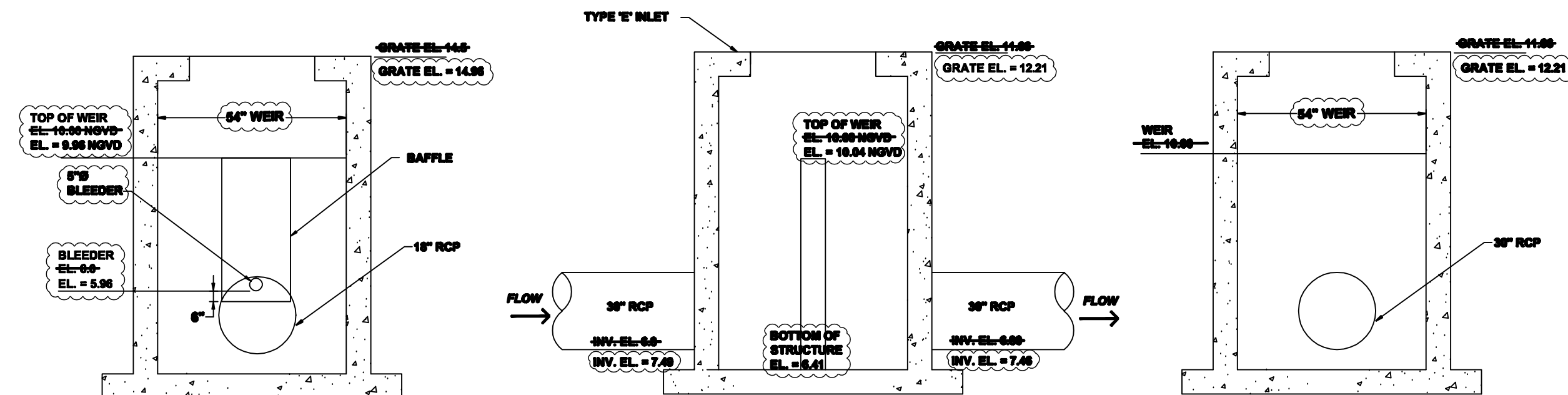


SECTION A-A

SECTION B-B

LAKE CONTROL STRUCTURE (CS # 2) DETAIL

N.T.S.

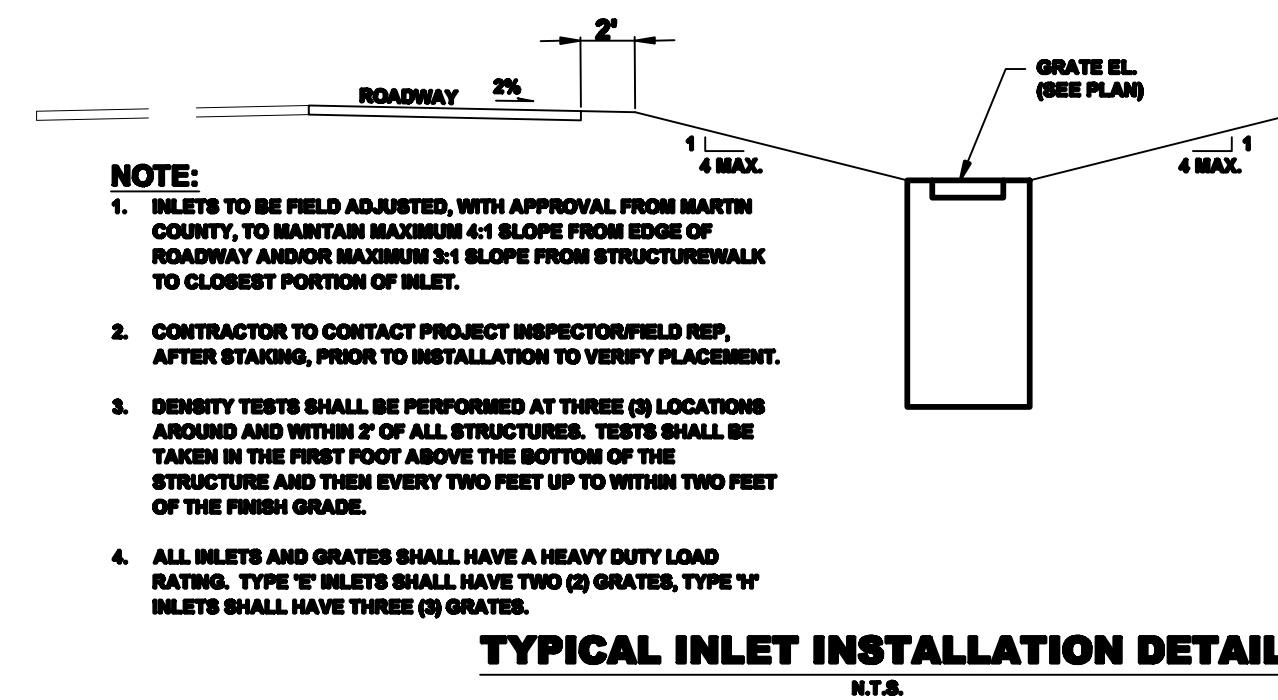


SECTION A-A

SECTION B-B

LOCKS ROAD CONTROL STRUCTURE (CS # 4) DETAIL

N.T.S.



NOTE:

1. INLETS TO BE FIELD ADJUSTED, WITH APPROVAL FROM MARTIN COUNTY, TO MAINTAIN MAXIMUM 4:1 SLOPE FROM EDGE OF ROADWAY AND/OR MAXIMUM 2:1 SLOPE FROM STRUCTURE WALK TO CLOSEST PORTION OF INLET.
2. CONTRACTOR TO CONTACT PROJECT INSPECTOR/FLIP REP, AFTER STAKING, PRIOR TO INSTALLATION TO VERIFY PLACEMENT.
3. DENSITY TESTS SHALL BE PERFORMED AT THREE (3) LOCATIONS AROUND AND WITHIN 2' OF ALL STRUCTURES. TESTS SHALL BE TAKEN IN THE FIRST FOOT ABOVE THE BOTTOM OF THE STRUCTURE AND THEN EVERY TWO FEET UP TO WITHIN TWO FEET OF THE FINISH GRADE.
4. ALL INLETS AND GRATES SHALL HAVE A HEAVY DUTY LOAD RATING. TYPE "B" INLETS SHALL HAVE TWO (2) GRATES, TYPE "A" INLETS SHALL HAVE THREE (3) GRATES.

TYPICAL INLET INSTALLATION DETAIL

N.T.S.

DATE:	08-01-07
DRAWN BY:	MS
DESIGNED BY:	WG
CHECKED BY:	JWC
PROJECT No.:	830.3
ORZ. SCALE:	N.A.
VERT. SCALE:	N.A.
CADD FILE:	

[illegible]

**SCALE
VERIFICATION**

1

SOLID BAR IS EQUAL
TO ONE INCH ON
ORIGINAL DRAWING,
JUST ALL SCALED
DIMENSIONS
ACCORDINGLY

**TYPICAL FARMS
QUALITY RETROFIT
IN COUNTY, FLORIDA**

**GRADING, DRAINAGE
DETAILS**

**TI
WATER
MA
PAVING**

**Joseph W. Capra
301 N.W. Flagler Ave.
Stuart, Florida 34994
P.E. No. 37638**

Printed Date: _____

JOB No.: **830.3**
SHEET
19 OF **26**

APPENDIX B

PHYSICAL-CHEMICAL FIELD MEASUREMENTS COLLECTED AT THE TROPICAL FARMS SITE FROM MAY 2011-APRIL 2012

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-1	6/23/11	8:34	29.82	7.69	866	3.1	41	196
P-1	7/1/11	11:21	29.72	7.64	577	7.7	101	256
P-1	7/13/11	11:25	31.38	7.59	656	7.7	105	231
P-1	7/26/11	9:31	30.79	7.06	636	4.9	66	287
P-1	8/3/11	9:07	29.52	7.32	627	4.8	64	273
P-1	8/18/11	8:07	27.68	6.98	553	3.9	50	255
P-1	8/25/11	8:36	28.42	7.23	601	5.0	64	293
P-1	9/7/11	10:39	30.27	7.18	726	5.9	79	396
P-1	9/20/11	7:57	28.13	6.79	652	2.5	33	74
P-1	10/5/11	0:00	26.08	7.12	728	5.3	65	199
P-1	10/12/11	0:00	27.33	6.89	340	3.5	44	151
P-1	10/20/11	0:00	22.28	6.84	299	4.4	51	120
P-1	10/27/11	0:00	23.28	6.83	152	3.6	43	49
P-1	11/3/11	0:00	23.35	6.82	343	3.7	44	92
P-1	11/9/11	9:38	24.52	7.14	464	5.0	60	162
P-1	11/16/11	9:22	24.65	6.91	512	4.3	51	3
P-1	11/21/11	8:56	24.76	7.29	550	4.2	51	82
P-1	12/1/11	9:10	18.44	7.19	633	4.8	52	94
P-1	12/8/11	9:52	19.61	7.37	703	4.2	46	103
P-1	12/15/11	9:31	22.27	7.11	296	4.0	46	105
P-1	12/21/11	9:21	21.55	7.12	423	4.8	55	112
P-1	12/30/11	9:10	18.49	7.13	568	4.3	46	137
P-1	1/4/12	9:51	13.18	7.26	620	5.8	55	116
P-1	1/16/12	9:43	16.09	7.42	698	7.0	71	100
P-1	1/27/12	8:48	22.17	7.38	730	3.7	42	183
P-1	2/3/12	8:27	21.39	7.20	726	3.3	38	177
P-1	2/9/12	10:57	21.94	7.43	724	5.6	64	216
P-1	2/15/12	9:10	19.08	7.35	733	4.6	50	207
P-1	2/21/12	9:28	20.46	7.42	754	6.5	72	107
P-1	3/1/12	9:15	23.95	7.45	782	4.8	57	173
P-1	3/6/12	9:18	20.23	7.61	794	7.0	78	182
P-1	3/15/12	8:52	23.04	7.49	733	4.3	51	490
P-1	3/22/12	9:23	24.82	7.47	759	5.0	60	321
P-1	3/22/12	10:19	24.31	7.79	428	6.9	82	313
P-1	3/29/12	9:36	24.56	7.58	783	5.8	70	309
P-1	4/5/12	9:21	26.13	7.38	819	4.9	60	312
P-1	4/12/12	9:20	24.39	7.56	834	6.5	78	304
P-1	4/19/12	8:20	25.57	7.69	857	5.8	72	369
P-1	4/24/12	9:01	20.85	7.83	835	6.2	70	302
P-1	5/1/12	8:50	24.00	7.66	850	3.2	39	293
P-1	5/9/12	7:40	26.55	7.54	824	2.8	35	366
Geometric Mean:			23.66	7.31	606	4.7	56	169
Minimum Value:			13.18	6.79	152	2.5	33	3
Maximum Mean:			31.38	7.83	866	7.7	105	490

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-2	6/23/11	11:01	32.44	8.09	671	4.3	59	187
P-2	7/13/11	10:33	31.69	8.09	608	7.9	108	251
P-2	7/20/11	11:13	31.91	7.73	581	6.5	89	197
P-2	7/26/11	11:38	32.14	7.85	570	9.2	127	238
P-2	8/3/11	9:34	31.25	7.67	547	6.2	84	261
P-2	8/11/11	9:09	29.51	7.58	546	3.4	44	292
P-2	8/18/11	10:26	30.92	7.55	540	5.4	73	154
P-2	8/25/11	8:51	29.37	7.59	546	5.3	70	272
P-2	9/7/11	9:05	28.60	7.70	566	5.8	75	390
P-2	10/5/11	0:00	27.03	7.65	580	6.0	76	159
P-2	10/12/11	0:00	27.30	7.45	234	5.3	66	137
P-2	10/20/11	0:00	25.21	7.30	378	5.0	61	15
P-2	10/27/11	0:00	25.06	7.25	374	4.5	54	169
P-2	11/3/11	0:00	24.33	7.17	340	4.4	52	103
P-2	11/9/11	10:59	25.69	7.87	368	7.4	91	204
P-2	11/16/11	10:10	26.10	7.35	421	4.0	49	58
P-2	11/21/11	11:30	26.16	7.61	450	5.9	73	53
P-2	12/1/11	10:21	21.43	8.07	355	7.1	80	78
P-2	12/8/11	10:44	21.15	8.02	520	6.3	71	68
P-2	12/15/11	11:33	22.90	7.51	300	5.1	59	58
P-2	12/21/11	10:19	22.57	7.57	351	6.0	69	99
P-2	12/30/11	10:12	20.16	7.67	407	5.5	61	117
P-2	1/4/12	10:56	17.20	8.01	432	7.0	73	69
P-2	1/16/12	11:44	19.20	8.14	485	7.1	77	66
P-2	1/27/12	9:59	21.85	7.53	531	3.1	36	189
P-2	2/3/12	9:46	21.55	7.60	551	4.0	45	225
P-2	2/9/12	9:36	21.24	7.80	577	5.2	58	231
P-2	2/15/12	12:00	23.19	8.00	575	6.9	80	131
P-2	2/21/12	10:39	22.15	8.11	604	7.6	88	143
P-2	3/1/12	10:20	25.37	8.05	624	6.5	80	156
P-2	3/6/12	10:19	21.91	8.07	634	5.5	63	157
P-2	3/15/12	10:58	24.89	8.13	626	6.2	76	312
P-2	3/22/12	10:24	25.07	8.01	641	6.9	84	279
P-2	3/29/12	10:46	25.86	8.04	685	6.5	80	310
P-2	4/5/12	8:52	26.21	7.97	656	6.0	74	329
P-2	4/12/12	10:08	25.29	8.05	657	6.7	82	359
P-2	4/19/12	10:08	26.39	7.81	676	5.8	72	175
P-2	4/24/12	9:44	21.64	8.20	651	6.9	79	292
P-2	5/1/12	9:22	24.22	7.41	676	2.4	29	292
P-2	5/9/12	8:34	25.96	8.08	662	5.1	62	315
Geometric Mean:			25.02	7.78	514	5.6	68	159
Minimum Value:			17.20	7.17	234	2.4	29	15
Maximum Mean:			32.44	8.20	685	9.2	127	390

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-3	6/23/11	10:01	31.79	8.40	453	7.0	95	174
P-3	7/1/11	10:19	29.17	8.13	524	7.6	99	237
P-3	7/13/11	10:22	31.60	8.46	502	9.9	135	243
P-3	7/20/11	12:14	34.34	8.41	473	12.1	172	187
P-3	7/26/11	11:12	32.78	8.24	492	10.4	145	232
P-3	8/3/11	10:33	31.97	7.76	458	7.2	99	249
P-3	8/11/11	9:32	29.27	7.34	515	3.1	41	277
P-3	8/18/11	11:12	31.48	7.66	495	7.1	96	206
P-3	10/5/11	0:00	25.38	7.26	499	3.0	37	111
P-3	10/12/11	0:00	27.66	7.60	489	5.8	74	144
P-3	10/20/11	0:00	26.01	7.56	449	5.5	68	36
P-3	10/27/11	0:00	24.89	7.44	416	4.5	54	117
P-3	11/3/11	0:00	24.17	7.33	379	3.7	45	127
P-3	11/9/11	11:22	25.17	7.92	363	7.3	88	188
P-3	11/16/11	9:55	24.47	7.58	383	4.5	54	10
P-3	11/21/11	11:37	25.51	7.65	405	5.8	71	34
P-3	12/1/11	10:39	21.91	7.80	421	5.8	66	74
P-3	12/8/11	10:57	19.41	7.92	441	7.1	77	81
P-3	12/15/11	11:03	23.29	7.53	339	4.4	52	16
P-3	12/21/11	10:47	21.74	7.69	367	5.6	64	89
P-3	12/30/11	10:25	19.04	7.83	370	5.5	60	108
P-3	1/4/12	11:06	13.99	7.92	379	6.9	67	72
P-3	1/16/12	12:29	19.52	8.38	399	9.2	100	36
P-3	1/27/12	10:33	21.42	7.68	416	3.9	44	169
P-3	2/3/12	9:42	21.09	8.11	394	6.8	76	222
P-3	2/9/12	9:21	20.87	7.58	436	4.5	51	254
P-3	2/15/12	11:27	22.17	7.82	435	8.0	92	151
P-3	2/21/12	11:02	21.47	7.87	470	8.2	93	128
P-3	3/1/12	10:34	24.86	8.07	491	7.1	86	131
P-3	3/6/12	10:45	21.97	7.97	500	5.4	62	141
P-3	3/15/12	11:19	24.09	7.87	510	5.3	64	301
P-3	3/22/12	10:39	24.76	7.76	530	5.8	70	278
P-3	3/29/12	11:01	25.48	7.84	538	6.2	75	257
P-3	4/5/12	9:09	25.39	7.62	554	3.6	44	298
P-3	4/12/12	10:35	25.38	7.69	555	6.1	75	360
P-3	4/19/12	10:40	26.96	7.53	573	3.3	42	213
P-3	4/24/12	10:01	21.50	7.85	555	4.5	51	263
P-3	5/1/12	9:55	24.33	7.68	580	3.0	36	316
P-3	5/9/12	9:14	26.48	7.81	583	3.3	41	292
Geometric Mean:			24.57	7.80	460	5.6	68	138
Minimum Value:			13.99	7.26	339	3.0	36	10
Maximum Mean:			34.34	8.46	583	12.1	172	360

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-4a	5/26/11	10:56	29.14	7.71	634	3.2	42	154
P-4a	6/23/11	11:14	32.21	8.30	623	3.8	52	183
P-4a	7/1/11	10:28	27.17	7.92	554	5.3	67	246
P-4a	7/13/11	9:58	28.22	8.30	529	7.1	91	262
P-4a	7/20/11	12:03	31.01	7.23	517	4.2	56	216
P-4a	7/26/11	11:23	30.05	8.01	517	6.1	81	235
P-4a	8/3/11	10:22	28.53	8.04	526	6.3	81	251
P-4a	8/11/11	9:20	28.92	7.32	526	3.9	51	302
P-4a	8/18/11	11:01	29.16	8.04	481	6.5	85	200
P-4a	9/7/11	10:07	28.60	7.29	521	5.1	55	382
P-4a	10/5/11	0:00	25.30	7.29	527	5.2	63	136
P-4a	10/20/11	0:00	23.56	7.23	492	3.2	38	71
P-4a	10/27/11	0:00	24.23	7.25	437	3.7	44	169
P-4a	11/3/11	0:00	23.91	7.20	394	2.3	28	128
P-4a	11/9/11	11:08	25.07	7.56	389	4.9	59	206
P-4a	11/21/11	12:01	26.82	8.20	391	6.3	79	72
P-4a	12/1/11	10:29	19.41	7.48	438	4.9	53	95
P-4a	12/8/11	10:50	19.93	7.57	453	5.3	58	81
P-4a	12/15/11	11:21	22.67	7.40	322	3.7	43	13
P-4a	12/21/11	10:26	22.09	7.51	346	5.0	58	98
P-4a	12/30/11	10:17	18.91	7.56	371	5.7	61	113
P-4a	1/4/12	11:12	14.05	7.95	370	7.7	75	72
P-4a	1/16/12	12:18	19.16	8.15	390	7.4	80	66
P-4a	1/27/12	10:20	21.19	7.74	373	4.8	54	177
P-4a	2/3/12	9:52	21.38	7.53	403	4.3	48	201
P-4a	2/9/12	9:27	20.62	7.51	405	5.3	59	239
P-4a	2/15/12	11:32	22.18	7.77	418	7.5	86	163
P-4a	2/21/12	10:47	22.14	7.97	416	9.4	108	138
P-4a	3/1/12	10:25	26.12	7.86	423	6.4	79	147
P-4a	3/6/12	10:30	22.06	8.43	410	9.0	104	134
P-4a	3/15/12	11:04	25.45	8.12	436	8.2	100	313
P-4a	3/22/12	10:29	24.64	7.73	446	8.2	99	267
P-4a	3/29/12	10:53	25.88	8.16	436	10.3	127	293
P-4a	4/5/12	9:02	24.02	7.64	449	4.3	52	299
P-4a	4/12/12	10:22	24.39	7.72	420	8.1	97	332
P-4a	4/19/12	10:58	26.87	7.67	415	5.2	65	270
P-4a	4/24/12	9:49	20.32	7.53	461	4.9	54	273
P-4a	5/1/12	9:29	23.38	7.60	464	4.3	51	295
P-4a	5/9/12	9:02	25.61	7.55	456	2.6	32	304
Geometric Mean:			24.16	7.71	446	5.3	63	167
Minimum Value:			14.05	7.20	322	2.3	28	13
Maximum Mean:			32.21	8.43	634	10.3	127	382

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-4b	6/23/11	9:19	30.05	8.02	754	3.9	52	161
P-4b	7/1/11	10:47	29.72	7.82	601	6.1	80	248
P-4b	7/13/11	10:28	32.53	8.18	567	9.7	135	248
P-4b	7/20/11	10:56	32.97	7.61	554	8.1	113	186
P-4b	7/26/11	11:41	33.14	7.86	552	9.8	136	236
P-4b	8/3/11	9:41	31.55	7.55	530	7.5	101	261
P-4b	8/11/11	9:04	28.85	7.38	530	4.4	57	311
P-4b	8/18/11	10:08	31.08	7.58	513	8.3	112	190
P-4b	9/7/11	10:09	27.63	7.53	520	6.7	85	342
P-4b	10/5/11	0:00	25.43	7.20	540	4.8	59	144
P-4b	10/12/11	0:00	26.61	7.38	499	4.2	53	163
P-4b	10/20/11	0:00	25.55	7.23	493	5.3	65	31
P-4b	10/27/11	0:00	23.75	7.48	456	5.4	64	185
P-4b	11/3/11	0:00	24.25	7.27	430	3.9	47	138
P-4b	11/9/11	10:55	24.71	8.01	388	7.7	93	217
P-4b	11/16/11	10:14	24.65	7.91	395	6.7	80	57
P-4b	11/21/11	11:28	27.12	8.22	397	8.0	101	28
P-4b	12/1/11	10:16	19.16	7.72	391	6.0	65	101
P-4b	12/8/11	10:39	19.78	8.08	438	8.1	89	86
P-4b	12/15/11	11:27	22.20	7.66	323	4.2	48	39
P-4b	12/21/11	10:15	21.00	7.63	444	5.7	64	115
P-4b	12/30/11	10:08	18.93	7.65	387	5.3	57	121
P-4b	1/4/12	10:53	14.37	7.93	387	7.3	72	74
P-4b	1/16/12	11:37	18.56	8.23	396	8.0	85	70
P-4b	1/27/12	9:55	20.88	8.04	385	6.6	74	182
P-4b	2/3/12	10:06	21.82	7.70	416	4.5	52	203
P-4b	2/9/12	9:32	20.83	7.96	403	7.1	79	233
P-4b	2/15/12	12:03	22.97	8.54	400	10.0	117	128
P-4b	2/21/12	10:36	21.18	8.52	313	10.5	119	141
P-4b	3/1/12	10:16	24.74	8.29	411	7.3	88	153
P-4b	3/6/12	10:14	21.12	8.09	425	7.2	81	164
P-4b	3/15/12	10:48	24.48	8.35	397	8.1	97	317
P-4b	3/29/12	10:42	25.26	7.90	432	7.8	95	310
P-4b	4/5/12	8:44	25.52	7.50	453	3.1	38	339
P-4b	4/12/12	10:00	25.09	7.72	462	6.4	77	347
P-4b	4/19/12	9:50	26.33	7.68	471	4.2	52	185
P-4b	4/24/12	9:35	22.49	7.93	460	6.3	73	301
P-4b	5/1/12	9:17	24.10	7.80	482	4.9	59	308
P-4b	5/9/12	8:39	26.63	7.64	476	3.3	42	325
Geometric Mean:			24.42	7.81	451	6.2	74	160
Minimum Value:			14.37	7.20	313	3.1	38	28
Maximum Mean:			33.14	8.54	754	10.5	136	347

Field Measurements Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date	Time	Temp. (°C)	pH (s.u.)	Conductivity (µmho/cm)	Diss. O2 (mg/L)	DO Satn. (%)	ORP (mV)
P-5	7/20/11	11:36	31.29	7.16	619	3.8	52	217
P-5	7/26/11	11:55	32.27	7.53	605	5.0	69	242
P-5	8/3/11	10:08	29.14	7.44	628	3.0	40	273
P-5	8/11/11	8:41	26.73	7.41	539	3.0	37	313
P-5	8/18/11	10:44	29.23	7.34	547	3.5	46	212
P-5	8/25/11	9:04	29.96	7.35	563	3.9	51	275
P-5	9/7/11	9:31	27.67	7.48	529	4.4	57	408
P-5	10/5/11	0:00	25.74	7.03	527	3.5	43	200
P-5	10/12/11	0:00	27.26	7.38	538	4.5	57	194
P-5	10/20/11	0:00	24.55	7.31	403	4.3	51	21
P-5	10/27/11	0:00	23.20	7.65	471	5.7	67	144
P-5	11/3/11	0:00	23.69	7.49	462	5.1	60	212
P-5	11/9/11	10:41	23.33	7.76	398	5.6	66	205
P-5	11/16/11	10:22	24.75	7.77	403	5.8	70	69
P-5	11/21/11	11:05	24.66	7.54	407	4.9	60	24
P-5	12/1/11	9:51	16.84	7.84	408	5.9	61	92
P-5	12/8/11	10:16	19.25	7.85	447	5.5	60	84
P-5	12/15/11	11:49	22.95	7.86	407	5.3	62	34
P-5	12/21/11	9:58	21.12	7.64	334	5.0	56	110
P-5	12/30/11	9:49	17.12	7.79	382	5.5	58	118
P-5	1/4/12	10:41	10.13	7.86	392	6.6	59	64
P-5	1/16/12	12:03	18.03	8.09	406	5.9	63	42
P-5	1/27/12	9:41	21.48	8.02	413	4.7	54	161
P-5	2/3/12	9:27	21.36	8.07	416	5.5	62	222
P-5	2/9/12	9:50	20.90	7.97	419	6.8	77	230
P-5	2/15/12	11:55	21.26	8.02	418	7.4	83	120
P-5	2/21/12	10:19	19.23	7.83	414	6.5	71	145
P-5	3/1/12	9:57	23.26	7.93	439	5.7	67	147
P-5	3/6/12	9:51	18.17	7.83	438	6.4	68	175
P-5	3/15/12	10:28	22.87	7.88	434	7.0	81	258
P-5	3/29/12	10:11	22.56	7.93	437	6.5	76	311
P-5	4/5/12	8:40	25.70	7.92	453	5.8	71	340
Geometric Mean:			22.78	7.68	454	5.1	60	142
Minimum Value:			10.13	7.03	334	3.0	37	21
Maximum Mean:			32.27	8.09	628	7.4	83	408

APPENDIX C

CHEMICAL CHARACTERISTICS OF INFLOW / OUTFLOW SAMPLES COLLECTED AT THE TROPICAL FARMS SITE FROM MAY 2011-APRIL 2012

- 1. Site 1 (Western Inflow Channel to Pond 1)**
- 2. Site 2 (48-inch RCP Inflow to Pond 1)**
- 3. Site 3 (Pond 1 Discharge)**
- 4. Site 6 (Ponds 2-5 Discharge)**
- 5. Bulk Precipitation**
- 6. Groundwater Samples**

1. Site 1 (Western Inflow Channel to Pond 1)

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 1

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (umho/cm)	Ammonia (ug/L)	NOX (ug/L)	Diss. Org. N (ug/L)	Part. N (ug/L)	Total N (ug/L)	SRP (ug/L)	Diss. Org. P (ug/L)	Part. P (ug/L)	Total P (ug/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 1	10/5/11 - 10/12/11	7.02	82.4	288	114	7	625	935	1,681	68	26	45	139	2.7	2.6	1.7	92
Site 1	10/12/11 - 10/20/11	6.99	86.2	340	95	70	423	456	1,044	101	18	32	151	2.7	4.0	1.2	90
Site 1	10/20 - 10/27/11	6.91	124	475	151	191	477	869	1,688	130	11	87	228	1.5	1.0	1.1	169
Site 1	10/27/11 - 11/3/11	7.28	106	349	32	474	487	192	1,185	128	9	167	304	4.3	13.6	1.4	148
Site 1	11/3/11 - 11/9/11	7.25	137	415	51	210	647	113	1,021	101	4	38	143	2.1	1.2	1.0	133
Site 1	11/9/11 - 11/16/11	7.59	156	474	18	233	849	160	1,260	94	16	38	148	1.5	1.4	0.9	124
Site 1	11/16/11 - 11/23/11	7.69	169	508	14	155	735	87	991	109	6	34	149	1.8	2.1	1.4	125
Site 1	11/21 - 12/1/11	7.89	192	532	36	343	498	143	1,020	111	30	113	254	4.8	6.5	1.7	121
Site 1	12/1/11 - 12/8/11	8.05	222	653	9	315	649	75	1,048	108	27	159	294	6.0	9.5	1.6	154
Site 1	12/8/11 - 12/15/11	7.73	111	341	3	161	336	398	898	58	8	49	115	4.1	1.3	1.6	103
Site 1	12/15/11 - 12/21/11	6.96	108	337	67	215	355	253	890	81	13	48	142	3.8	1.6	1.2	136
Site 1	12/21/11 - 12/30/11	7.29	166	484	19	167	695	65	946	77	15	46	138	2.3	1.3	1.4	127
Site 1	12/30/11 - 1/4/12	7.82	140	688	215	56	184	152	607	103	12	36	151	2.9	4.2	1.0	107
Site 1	1/4/12 - 1/16/12	7.33	221	688	11	11	115	71	208	27	14	35	76	5.0	10.2	3.0	86
Site 1	1/16/11 - 1/27/12	7.29	247	620	81	22	131	81	315	44	1	42	87	5.1	5.2	1.2	84
Site 1	1/27/12 - 2/9/12	7.65	235	682	3	7	137	52	199	38	18	75	131	5.3	1.4	1.4	72
Site 1	2/9/12 - 2/15/12	7.71	229	654	6	34	781	35	856	39	2	51	92	5.3	9.2	1.3	68
Site 1	2/15/12 - 2/21/12	7.56	228	693	8	3	528	115	654	34	8	42	84	2.8	2.8	1.5	74
Site 1	2/21/12 - 3/1/12	7.58	226	682	18	4	126	127	275	41	2	143	186	8.1	4.4	3.5	68
Site 1	3/1/12 - 3/15/12	7.65	220	609	18	5	111	96	230	39	2	129	170	4.4	3.2	1.2	59
Geometric Mean:		7.45	161	505	25	54	362	145	708	68	9	60	148	3.4	3.2	1.4	102
Minimum Value:		6.91	82.4	288	3	3	111	35	199	27	1	32	76	1.5	1.0	0.9	59
Maximum Value:		8.05	247	693	215	474	849	935	1,688	130	30	167	304	8.1	13.6	3.5	169

2. Site 2 (48-inch RCP Inflow to Pond 1)

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 2

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (µmho/cm)	Ammonia (µg/L)	NOX (µg/L)	Diss. Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss. Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 2	7/7/11 - 7/13/11	6.85	288	768	643	199	878	688	2,408	7	6	241	254	13.5	77.4	3.7	36
Site 2	7/13/11 - 7/20/11	7.03	221	609	331	706	234	67	1,338	8	5	80	93	51.4	47.7	2.3	48
Site 2	7/20/11 - 7/26/11	7.20	259	732	158	517	421	511	1,607	25	2	737	764	294	789	3.1	54
Site 2	8/3/11 - 8/11/11	6.93	252	736	336	149	453	775	1,713	13	18	652	683	123	193	2.2	124
Site 2	8/11/11 - 8/18/11	6.84	241	501	455	279	488	1,462	2,684	16	4	1,876	1,896	40	530	7.7	102
Site 2	8/18/11 - 9/7/11	7.32	309	754	1,611	544	494	212	2,861	9	6	555	570	137	203	1.1	53
Site 2	9/7/11 - 9/15/11	7.43	242	653	61	561	583	35	1,240	20	6	427	453	89.3	97.8	1.8	81
Site 2	9/20/11 - 9/29/11	7.36	277	790	59	705	545	1,152	2,461	8	5	294	307	46.5	65.8	1.6	53
Site 2	9/29/11 - 10/12/11	7.34	172	507	54	449	731	195	1,429	33	6	1,259	1,298	295	28.2	3.4	60
Site 2	10/12/11 - 10/20/11	7.23	140	469	26	375	702	585	1,688	63	18	645	726	86.4	155	2.0	185
Site 2	10/20/11 - 11/3/11	7.30	118	429	33	297	654	332	1,316	70	13	470	553	67.0	119	1.8	192
Site 2	11/3/11 - 11/16/11	7.01	215	625	59	441	596	1,102	2,198	31	43	679	753	158	544	2.5	124
Site 2	11/16/11 - 12/15/11	7.48	145	435	12	450	701	220	1,383	28	9	125	162	28.0	55.2	1.7	129
Site 2	12/15/11 - 12/30/11	7.33	218	624	31	499	601	148	1,279	12	2	81	95	31.5	14.3	1.6	91
Site 2	2/1/11 - 2/9/12	7.77	258	753	16	622	52	162	852	9	3	117	129	50.7	19.8	1.1	38
Site 2	3/8/12 - 3/15/12	7.36	258	673	54	519	145	99	817	7	7	54	68	20.5	7.9	0.7	33
Site 2	3/15/12 - 3/29/12	7.22	270	740	21	540	139	98	798	9	9	342	360	166	67.5	1.0	27
Site 2	4/17/12 - 4/24/12	7.21	290	795	10	471	333	79	893	8	5	10	23	14.7	3.2	0.5	36
Site 2	4/24/12 - 5/1/12	7.03	283	825	46	355	859	84	1,344	8	2	35	45	28.4	8.5	0.5	30
Geometric Mean:		7.22	227	640	73	427	422	248	1,480	15	6	245	282	61.5	64.6	1.7	65
Minimum Value:		6.84	118	429	10	149	52	35	798	7	2	10	23	13.5	3.2	0.5	27
Maximum Value:		7.77	309	825	1,611	706	878	1,462	2,861	70	43	1,876	1,896	295	789	7.7	192

3. Site 3 (Pond 1 Discharge)

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 3

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (umho/cm)	Ammonia (µg/L)	NOX (µg/L)	Diss. Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss. Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 3	5/12/11 - 5/18/11	7.57	303	756	301	14	1,020	968	2,303	3	19	146	168	23.4	23.1	1.9	70
Site 3	5/18/11 - 5/26/11	8.07	229	648	124	579	1,043	817	2,563	13	6	125	144	48.8	63.4	1.9	67
Site 3	5/26/11 - 6/2/11	8.11	206	627	121	316	804	267	1,508	25	3	80	108	36.6	87.2	1.2	55
Site 3	6/16/11 - 6/23/11	7.98	213	741	190	1	444	479	1,114	2	14	78	94	38.4	88.6	2.5	56
Site 3	6/23/11 - 7/1/11	7.70	223	668	181	48	700	325	1,254	15	5	73	93	5.0	15.3	1.6	72
Site 3	7/7/11 - 7/13/11	7.86	234	609	124	406	554	833	1,917	14	14	104	132	20.4	22.4	1.6	69
Site 3	7/13/11 - 7/20/11	7.40	205	549	112	267	347	554	1,280	14	4	49	67	12.5	9.9	1.4	57
Site 3	7/20/11 - 7/26/11	7.75	203	523	29	607	449	286	1,371	24	6	50	80	13.8	13.0	1.1	85
Site 3	7/26/11 - 8/3/11	7.41	233	636	19	181	589	935	1,724	11	4	346	361	67.8	162	2.2	60
Site 3	8/3/11 - 8/11/11	7.43	215	548	80	102	472	566	1,220	10	20	75	105	9.7	13.7	0.9	64
Site 3	8/11/11 - 8/18/11	7.35	234	531	167	155	476	145	943	16	11	124	151	18.4	18.1	1.7	54
Site 3	8/18/11 - 8/25/11	8.26	203	509	127	408	286	422	1,243	34	3	59	96	26.9	28.1	1.1	76
Site 3	8/25/11 - 9/7/11	7.51	255	645	924	176	186	575	1,861	7	2	168	177	34.0	52.9	1.3	58
Site 3	9/7/11 - 9/15/11	7.54	241	668	34	125	501	231	891	7	2	74	83	20.3	20.1	2.1	65
Site 3	9/15/11 - 9/20/11	7.16	230	607	45	149	478	206	878	10	2	42	54	9.6	7.1	1.3	74
Site 3	9/20/11-9/29/11	7.45	260	684	44	231	675	947	1,897	5	1	366	372	90.4	134	4.1	61
Site 3	9/29/11 - 10/5/11	7.60	254	631	112	46	685	166	1,009	3	1	33	37	10.0	6.5	1.8	57
Site 3	10/5/11 - 10/12/11	7.10	109	369	95	102	924	146	1,267	45	25	72	142	10.0	16.0	2.4	155
Site 3	10/12/11 - 10/20/11	7.03	83	257	57	195	792	580	1,624	24	124	115	263	14.2	20.7	2.1	225
Site 3	10/20/11 - 10/27/11	6.85	92	350	11	412	622	1,145	2,190	123	74	101	298	8.7	8.1	1.1	214
Site 3	10/27/11 - 11/3/11	7.02	91	254	19	345	574	30	968	122	24	71	217	7.5	23.6	0.9	185
Site 3	11/3/11 - 11/9/11	7.16	131	396	169	106	703	136	1,114	64	37	65	166	8.5	6.4	1.2	179
Site 3	11/9/11 - 11/16/11	7.63	148	453	26	331	792	251	1,400	94	20	79	193	9.8	6.0	0.7	116
Site 3	11/16/11 - 11/21/11	7.38	178	561	27	377	706	141	1,251	44	17	60	121	11.2	5.9	0.9	136
Site 3	11/21/11 - 12/1/11	8.06	197	542	20	389	520	82	1,011	51	10	62	123	12.0	8.8	0.9	113
Site 3	12/1/11 - 12/8/11	8.19	222	634	13	636	405	302	1,356	41	20	160	221	27.1	29.2	1.1	99
Site 3	12/8/11 - 12/15/11	7.25	81	284	18	252	594	88	952	56	7	36	99	7.6	7.0	1.0	114
Site 3	12/15/11 - 12/21/11	7.08	103	341	17	295	428	140	880	45	19	53	117	9.4	6.8	0.8	139
Site 3	12/21/11 - 12/30/11	7.69	149	475	12	385	727	134	1,258	29	20	39	88	14.0	14.0	1.5	121
Site 3	12/30/11 - 1/4/12	8.04	206	607	27	319	169	445	960	57	50	99	206	15.0	23.3	1.4	102
Site 3	1/4/12 - 1/16/12	8.09	228	646	16	416	56	107	595	24	14	122	160	23.2	31.6	1.0	80
Site 3	1/16/11 - 1/27/12	8.26	241	664	4	445	158	219	826	29	4	99	132	25.6	45.3	1.2	56
Site 3	1/27/12 - 2/3/12	8.02	238	691	2	528	472	411	1,413	34	20	81	135	30.6	45.9	2.6	52
Site 3	2/3/12 - 2/9/12	7.56	245	601	42	63	93	101	299	7	8	44	59	11.8	11.0	1.8	50
Site 3	2/9/12 - 2/15/12	8.01	236	599	2	345	782	238	1,367	25	4	88	117	21.0	37.8	1.7	53
Site 3	2/15/12 -2/21/12	7.74	262	731	55	46	546	229	876	4	10	31	45	9.0	6.6	1.6	53
Site 3	2/21/12 - 3/1/12	7.69	264	741	54	31	199	45	329	2	16	39	57	7.7	5.7	1.5	46
Site 3	3/1/12 - 3/6/12	7.73	269	803	41	30	243	67	381	3	7	21	31	6.5	5.0	1.2	47
Site 3	3/6/12 - 3/15/12	7.73	254	745	62	19	155	43	279	5	13	30	48	7.7	10.8	1.2	50
Site 3	3/15/12 - 3/22/12	7.53	257	736	50	21	129	253	453	8	12	21	41	7.0	5.8	1.1	53
Site 3	3/22/12 - 3/29/12	7.68	263	765	52	23	66	51	192	12	4	29	45	6.1	5.2	0.9	47
Site 3	3/29/12 - 4/5/12	7.85	281	792	50	19	46	78	193	8	1	25	34	6.1	6.2	1.2	47
Site 3	4/5/12 - 4/12/12	7.85	293	801	39	1	24	31	95	3	2	11	16	5.2	2.8	1.2	45
Site 3	4/12/12 - 4/24/12	7.86	298	656	25	11	36	36	108	6	6	18	30	4.1	3.2	0.9	51
Site 3	4/24/12 - 5/1/12	7.67	302	850	59	17	626	204	906	10	3	20	33	4.5	5.1	0.8	46

Geometric Mean:

Minimum Value:

Maximum Value:

204	575	43	110	350	209	887	15	8	98	13.6	15.1	1.4	75
6.85	81.2	254	1	24	30	95	2	1	16	4.1	2.8	0.7	45
8.26	303	850	636	1,043	1,145	2,563	123	124	372	90.4	162	4.1	225

4. Site 6 (Ponds 2-5 Discharge)

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 6

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (umho/cm)	Ammonia (ug/L)	NOX (ug/L)	Diss. Org. N (ug/L)	Part. N (ug/L)	Total N (ug/L)	SRP (ug/L)	Diss. Org. P (ug/L)	Part. P (ug/L)	Total P (ug/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 6	7/13/11 - 7/20/11	7.54	171	574	94	11	786	223	1,114	3	8	26	37	1.8	1.8	1.9	56
Site 6	7/20/11 - 7/26/11	7.84	190	546	142	57	941	198	1,338	30	8	9	47	0.8	0.4	1.1	71
Site 6	7/26/11 - 8/3/11	7.63	196	625	46	287	754	224	1,311	41	10	7	58	0.8	1.4	0.5	62
Site 6	8/3/11 - 8/11/11	7.64	163	541	41	115	604	180	940	16	7	12	35	1.6	1.6	0.5	50
Site 6	8/11/11 - 8/18/11	7.43	158	522	94	92	420	402	1,008	13	4	5	22	1.2	2.9	0.8	44
Site 6	8/18/11 - 8/25/11	7.65	150	502	170	117	379	286	952	16	16	19	51	2.8	1.4	0.6	44
Site 6	8/25/11 - 9/7/11	7.72	163	528	180	170	306	84	740	20	4	8	32	6.0	1.8	0.5	46
Site 6	9/7/11 - 9/15/11	7.68	166	536	12	134	633	172	951	17	4	3	24	1.0	1.0	0.9	41
Site 6	9/15/11 - 9/20/11	7.27	150	509	158	60	495	132	845	7	4	8	19	0.2	1.4	0.7	46
Site 6	9/20/11 - 9/29/11	7.53	176	536	46	145	546	100	837	16	8	6	30	0.7	1.5	0.4	41
Site 6	9/29/11 - 10/5/11	7.48	179	520	21	102	693	64	880	8	2	4	14	2.4	1.3	0.4	38
Site 6	10/5/11 - 10/12/11	7.52	184	538	28	14	607	122	771	4	4	8	16	1.3	1.7	0.6	46
Site 6	10/12/11 - 10/20/11	7.71	162	484	3	87	669	36	795	8	16	20	44	1.6	2.1	0.5	36
Site 6	10/20/11 - 10/27/11	7.67	150	454	3	39	621	132	795	8	6	16	30	0.8	1.4	0.5	65
Site 6	10/27/11 - 11/3/11	7.57	153	456	21	54	544	138	757	2	29	19	50	0.6	0.7	0.6	72
Site 6	11/3/11 - 11/9/11	7.51	160	403	24	47	734	137	942	9	6	6	21	1.6	1.2	0.8	133
Site 6	11/9/11 - 11/16/11	7.52	135	401	16	43	786	123	968	7	23	2	32	3.2	1.9	0.5	131
Site 6	11/16/11 - 11/21/11	7.37	135	413	19	224	634	29	906	5	2	7	14	1.2	3.9	0.9	129
Site 6	11/21/11 - 12/1/11	7.76	139	371	8	81	449	54	592	13	4	5	22	0.9	1.1	0.6	121
Site 6	12/1/11 - 12/8/11	7.82	154	420	4	33	454	60	551	9	5	5	19	0.6	1.7	0.5	123
Site 6	12/8/11 - 12/15/11	7.69	137	376	4	49	455	257	765	10	4	20	34	2.1	0.9	0.8	110
Site 6	12/15/11 - 12/21/11	7.34	109	217	12	50	499	74	635	10	10	14	34	0.9	1.9	0.6	92
Site 6	12/21/11 - 12/30/11	7.77	130	361	8	52	685	44	789	2	5	4	11	0.9	1.0	1.1	81
Site 6	12/30/11 - 1/4/12	7.70	140	406	20	16	295	147	478	8	11	33	52	1.2	2.8	0.7	82
Site 6	1/4/12 - 1/16/12	7.63	131	384	34	31	266	11	342	2	2	11	15	0.6	0.9	0.4	81
Site 6	1/16/12 - 1/27/12	7.91	143	401	3	35	102	88	228	4	6	6	16	0.5	3.4	1.0	69
Site 6	1/27/12 - 2/3/12	7.80	140	408	3	20	611	16	650	5	5	11	21	0.8	1.1	0.6	64
Site 6	2/3/12 - 2/9/12	7.69	135	416	3	17	388	33	441	6	10	3	19	0.8	0.8	0.8	64
Site 6	2/9/12 - 2/15/12	7.80	139	417	7	14	224	66	311	9	5	6	20	0.7	1.1	0.9	62
Site 6	2/15/12 - 2/21/12	7.88	126	387	9	15	451	22	497	5	7	2	14	0.4	1.8	0.7	60
Site 6	2/21/12 - 3/1/12	7.76	138	415	24	34	196	31	285	4	15	7	26	1.0	1.0	0.7	57
Site 6	3/1/12 - 3/6/12	7.56	138	429	3	10	121	25	159	3	14	8	25	1.2	1.2	0.8	54
Site 6	3/6/12 - 3/15/12	7.47	134	430	21	28	143	99	291	7	11	6	24	1.5	1.0	0.7	55
Site 6	3/15/12 - 3/22/12	7.76	133	362	8	16	292	23	339	1	14	6	21	1.1	0.4	0.7	54
Site 6	3/22/12 - 3/29/12	7.79	132	429	5	48	221	28	302	13	8	4	25	0.7	1.0	0.8	51
Site 6	3/29/12 - 4/5/12	7.65	141	436	13	41	292	96	442	6	11	8	25	1.7	0.9	0.9	50
Geometric Mean:		7.64	148	441	16	46	424	78	617	7	7	8	25	1.1	1.3	0.7	64
Minimum Value:		7.27	109	217	3	10	102	11	159	1	2	2	11	0.2	0.4	0.4	36
Maximum Value:		7.91	196	625	180	287	941	402	1,338	41	29	33	58	6.0	3.9	1.9	133

5. Bulk Precipitation

Characteristics of Bulk Precipitation Samples Collected at the Tropical Farms Site from May 2011 - April 2012

Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (µmho/cm)	Ammonia (µg/L)	NOX (µg/L)	Diss. Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss. Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
5/12/11 - 5/18/11	6.06	8.2	54	222	256	241	578	1,297	1	27	49	77	3.3	8.9	0.8	8
5/18/11 - 6/2/11	6.12	7.2	41	87	245	441	327	1,100	14	11	40	65	1.0	6.0	1.0	7
6/2/11 - 6/15/11	7.16	56.2	164	357	206	311	243	1,117	38	9	11	58	0.7	2.0	0.8	11
6/15/11 - 7/1/11	5.86	4.2	33	128	196	279	477	1,080	1	1	5	7	0.6	0.9	0.5	5
7/1/11 - 7/7/11	7.45	57.0	166	15	86	249	163	513	29	1	8	38	0.9	1.0	0.5	2
7/7/11 - 7/13/11	6.04	5.0	22	301	150	444	104	999	1	29	9	39	0.6	1.2	0.7	4
7/13/11 - 7/20/11	5.78	4.8	31	119	110	108	47	384	2	2	2	6	0.4	0.9	0.4	3
7/20/11 - 8/3/11	6.07	4.0	23	56	140	196	6	398	1	2	1	4	0.4	1.4	0.2	3
8/3/11 - 8/11/11	5.99	4.2	21	65	138	122	87	412	4	7	11	22	1.0	1.2	0.4	11
8/11/11 - 8/18/11	5.76	4.0	37	135	181	316	49	681	1	11	4	16	1.1	0.8	0.5	4
8/18/11 - 9/7/11	6.25	8.6	48	609	137	156	104	1,006	3	46	16	65	1.3	1.6	0.4	12
9/7/11 - 9/15/11	5.89	7.4	18	43	80	179	150	452	10	6	1	17	0.6	0.9	0.8	7
9/15/11 - 9/29/11	6.11	5.0	20	33	62	52	3	150	48	1	5	54	0.5	0.7	0.4	3
9/29/11 - 10/12/11	5.95	6.2	61	17	10	90	61	178	19	3	1	23	0.4	0.8	0.3	7
10/12/11 - 10/20/11	5.95	3.2	23	90	28	42	4	164	5	6	1	12	0.5	1.8	0.4	7
10/20/11 - 11/3/11	5.89	3.6	43	17	19	61	51	148	12	12	7	31	0.5	0.5	0.3	3
11/3/11 - 11/16/11	5.93	4.4	61	156	74	304	75	609	13	12	13	38	2.0	3.6	0.9	6
11/16/11 - 11/21/11	6.05	5.8	81	80	118	65	172	435	39	6	22	67	2.4	5.5	1.7	7
11/21/11 - 12/15/11	4.73	0.6	27	109	8	39	22	178	5	11	1	17	0.9	0.6	0.9	7
12/15/11 - 2/3/12	7.08	20.0	65	355	55	641	271	1,322	30	89	25	144	2.8	3.0	0.8	13
2/3/12 - 2/9/12	6.12	3.2	53	329	115	432	791	1,667	16	13	23	52	1.6	3.0	2.1	11
2/9/12 - 3/15/12	5.96	3.6	56	73	72	71	3	219	61	9	3	73	0.9	1.5	0.4	8
3/15/12 - 3/29/12	6.29	6.2	45	404	149	376	297	1,226	83	10	4	97	2.0	3.7	0.8	10
3/29/12 - 4/24/12	6.32	6.8	49	127	307	107	3	544	57	23	13	93	2.5	3.0	1.0	11
Geometric Mean:	6.10	6.0	43	105	89	165	66	522	9	8	6	33	1.0	1.7	0.6	6.3
Minimum Value:	4.73	0.6	18	15	8	39	3	148	1	1	1	4	0.4	0.5	0.2	2.0
Maximum Value:	7.45	57.0	166	609	307	641	791	1,667	83	89	49	144	3.3	8.9	2.1	13.0

6. Groundwater Samples

Characteristics of Groundwater Monitoring Well Samples Collected at the Tropical Farms Site from May 2011 - April 2012

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (µmho/cm)	Ammonia (µg/L)	NOX (µg/L)	Organic N (µg/L)	Total N (µg/L)	SRP (µg/L)	Organic P (µg/L)	Total P (µg/L)	Color (Pt-Co)	BOD (mg/L)
MW-3	5/26/11	5.32	9.8	354	238	19	873	1,130	10	11	21	53	11.1
MW-3	6/23/11	5.78	22.4	367	303	41	948	1,292	10	36	46	267	17.9
MW-3	7/20/11	6.17	32.2	371	278	10	2,154	2,442	38	57	95	770	3.5
MW-3	8/18/11	6.79	73.2	326	231	13	1,065	1,309	16	65	81	743	6.2
MW-3	9/20/11	5.77	40.2	297	374	13	1,070	1,457	35	42	77	516	6.4
MW-3	10/20/11	7.04	94.0	321	535	7	669	1,211	30	30	60	448	2.2
MW-3	11/21/11	7.27	66.2	381	120	6	1,070	1,196	20	38	58	358	1.5
MW-3	12/15/11	7.21	92.0	303	105	7	1,071	1,183	13	32	45	548	1.1
MW-3	1/16/12	5.47	14.2	318	46	133	511	690	10	14	24	135	0.8
MW-3	2/15/12	4.99	5.0	281	50	21	461	532	11	12	23	60	1.2
MW-3	3/15/12	5.74	7.8	321	83	13	370	466	18	15	33	93	1.3
MW-3	4/19/12	5.72	17.4	285	334	11	233	578	15	14	29	168	1.5
Geometric Mean:		6.06	26.4	325	174	15	750	1012	17	26	44	245	2.8
Minimum Value:		4.99	5.0	281	46	6	233	466	10	11	21	53	0.8
Maximum Value:		7.27	94.0	381	535	133	2154	2442	38	65	95	770	17.9
MW-4	5/26/11	6.19	42.2	249	1,470	4	453	1,927	33	9	42	155	12.9
MW-4	6/23/11	6.40	58.6	496	990	10	254	1,254	23	123	146	240	19.6
MW-4	7/20/11	6.67	100	328	229	3	788	1,020	32	70	102	399	2.7
MW-4	8/18/11	6.81	52.4	153	215	23	228	466	229	44	273	327	3.3
MW-4	9/20/11	6.65	129	380	749	4	467	1,220	83	60	143	305	2.9
MW-4	10/20/11	7.05	75.8	385	22	3	1,192	1,217	39	24	63	320	2.5
MW-4	11/21/11	7.66	179	496	118	67	908	1,093	40	28	68	110	1.3
MW-4	12/15/11	7.20	68.4	236	68	55	290	413	58	11	69	118	0.6
MW-4	1/16/12	6.75	134	669	180	177	320	677	44	11	55	52	0.4
MW-4	2/15/12	6.70	99.6	476	77	119	619	815	84	23	107	91	0.9
MW-4	3/15/12	7.19	78.2	398	62	30	220	312	84	29	113	152	1.0
MW-4	4/19/12	6.82	157	586	329	6	309	644	56	61	117	148	0.6
Geometric Mean:		6.83	89.2	376	193	17	431	815	55	31	95	172	1.9
Minimum Value:		6.19	42.2	153	22	3	220	312	23	9	42	52	0.4
Maximum Value:		7.66	179.0	669	1470	177	1192	1927	229	123	273	399	19.6

Characteristics of Groundwater Monitoring Well Samples Collected at the Tropical Farnis Site 10/01/2011 - April 2012

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (umho/cm)	Ammonia (ug/L)	NOX (ug/L)	Organic N (ug/L)	Total N (ug/L)	SRP (ug/L)	Organic P (ug/L)	Total P (ug/L)	Color (Pt-Co)	BOD (mg/L)
MW-5	5/26/11	6.45	94.4	1,659	1,716	22	1,145	2,883	10	21	31	193	2.5
MW-5	6/23/11	6.76	108	1,480	1,007	18	1,625	2,650	12	22	34	255	3.9
MW-5	7/20/11	7.18	114	832	159	159	1,057	1,375	11	13	24	147	1.1
MW-5	8/18/11	6.79	212	721	349	17	1,318	1,684	8	2	10	121	0.9
MW-5	9/20/11	6.43	192	1,676	547	17	1,469	2,033	9	11	20	173	1.0
MW-5	10/20/11	7.08	190	3,021	606	30	3,033	3,669	14	10	24	422	1.9
MW-5	11/21/11	7.97	379	1,277	134	110	1,969	2,213	48	20	68	320	1.5
MW-5	12/15/11	6.91	120	2,172	967	8	1,807	2,782	52	26	78	392	1.3
MW-5	1/16/12	6.46	165	1,933	419	35	1,408	1,862	16	11	27	309	1.1
MW-5	2/15/12	6.73	242	814	20	163	1,500	1,683	21	24	45	419	1.0
MW-5	3/15/12	7.30	256	791	59	25	1,390	1,474	20	28	48	342	0.8
MW-5	4/19/12	6.87	245	1,065	170	3	1,411	1,584	18	28	46	530	1.3
Geometric Mean:		6.90	178.2	1318	289	28	1534	2063	16	15	33	275	1.4
Minimum Value:		6.43	94.4	721	20	3	1057	1375	8	2	10	121	0.8
Maximum Value:		7.97	379.0	3021	1716	163	3033	3669	52	28	78	530	3.9
MW-6	5/26/11	6.71	108	909	1,487	9	184	1,680	1	13	14	182	15.3
MW-6	6/23/11	6.81	107	723	371	9	829	1,209	4	16	20	183	7.6
MW-6	7/20/11	6.89	105	465	178	19	637	834	4	11	15	188	2.8
MW-6	8/18/11	7.14	131	436	132	3	606	741	15	24	39	203	3.1
MW-6	9/20/11	6.71	197	647	192	3	1,214	1,409	12	11	23	237	1.3
MW-6	10/20/11	7.67	212	577	33	3	1,454	1,490	12	6	18	200	1.5
MW-6	11/21/11	7.80	206	490	78	13	1,445	1,536	2	10	12	148	1.2
MW-6	12/15/11	7.76	174	425	88	8	1,133	1,229	16	6	22	141	1.1
MW-6	1/16/12	6.96	246	616	85	4	1,147	1,236	11	5	16	109	0.7
MW-6	2/15/12	6.95	239	606	58	3	1,022	1,083	2	13	15	106	1.1
MW-6	3/15/12	7.45	199	561	86	7	929	1,022	11	23	34	122	0.7
MW-6	4/19/12	7.05	282	763	71	3	847	921	13	13	26	109	0.7
Geometric Mean:		7.15	174.3	586	127	6	857	1165	6	11	20	155	1.8
Minimum Value:		6.71	105.0	425	33	3	184	741	1	5	12	106	0.7
Maximum Value:		7.80	282.0	909	1487	19	1454	1680	16	24	39	237	15.3

Characteristics of Groundwater Monitoring Well Samples Collected at the Tropical Farnis Site 10/01/2011 - April 2012

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (umho/cm)	Ammonia (ug/L)	NOX (ug/L)	Organic N (ug/L)	Total N (ug/L)	SRP (ug/L)	Organic P (ug/L)	Total P (ug/L)	Color (Pt-Co)	BOD (mg/L)
MW-7	5/26/11	6.92	213	625	269	6	100	375	15	3	18	170	12.5
MW-7	6/23/11	6.91	206	718	182	11	93	286	7	27	34	88	5.2
MW-7	7/20/11	6.88	189	488	217	16	449	682	26	41	67	244	5.5
MW-7	8/18/11	7.15	117	354	155	4	489	648	672	55	727	263	18.7
MW-7	9/20/11	6.72	140	356	557	5	376	938	122	53	175	275	2.5
MW-7	10/20/11	7.39	169	552	246	5	1,256	1,507	793	118	911	481	18.0
MW-7	11/21/11	7.50	150	532	519	14	881	1,414	657	140	797	381	2.8
MW-7	12/15/11	7.17	135	380	365	12	715	1,092	334	46	380	251	1.8
MW-7	1/16/12	7.04	199	486	322	154	888	1,364	41	39	80	109	0.5
MW-7	2/15/12	7.14	191	534	313	72	931	1,316	60	13	73	109	1.0
MW-7	3/15/12	7.47	237	608	425	7	309	741	174	36	210	122	1.2
MW-7	4/19/12	7.52	338	803	305	4	455	764	141	30	171	82	0.5
Geometric Mean:		7.15	183	520	301	12	451	829	107	36	161	183	3.0
Minimum Value:		6.72	117	354	155	4	93	286	7	3	18	82	0.5
Maximum Value:		7.52	338	803	557	154	1256	1507	793	140	911	481	18.7
MW-8	5/26/11	6.19	75.6	318	1,970	7	803	2,780	8	22	30	140	23.0
MW-8	6/23/11	6.58	86.5	295	352	18	666	1,036	11	26	37	343	17.6
MW-8	7/20/11	6.81	117	328	218	20	208	446	4	11	15	199	2.8
MW-8	8/18/11	7.22	215	516	211	7	283	501	1	10	11	132	3.0
MW-8	9/20/11	6.76	276	848	100	11	1,050	1,161	6	3	9	139	0.8
MW-8	10/20/11	7.87	149	703	113	32	809	954	1	11	12	109	1.9
MW-8	11/21/11	8.11	319	752	140	73	300	513	1	2	3	102	0.6
MW-8	12/15/11	7.89	296	422	58	69	934	1,061	1	2	3	87	0.4
MW-8	1/16/12	6.78	336	708	45	69	333	447	1	4	5	90	0.5
MW-8	2/15/12	6.99	282	632	23	96	537	656	5	5	10	79	1.0
MW-8	3/15/12	7.59	248	557	22	37	147	206	6	15	21	122	0.8
MW-8	4/19/12	7.32	203	504	178	4	340	522	4	10	14	245	0.6
Geometric Mean:		7.15	195.1	518	123	24	449	693	3	7	11	135	1.6
Minimum Value:		6.19	75.6	295	22	4	147	206	1	2	3	79	0.4
Maximum Value:		8.11	336.0	848	1970	96	1050	2780	11	26	37	343	23.0

APPENDIX D

CHEMICAL CHARACTERISTICS OF POND SAMPLES COLLECTED AT SITES 4 AND 5

- 1. Pond 4**
- 2. Pond 5**

1. Pond 4

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 4

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (µmho/cm)	Ammonia (µg/L)	NOX (µg/L)	Diss. Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss. Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 4	5/12/11 - 5/18/11	7.67	187	615	604	2	657	250	1,513	2	15	2	19	3.0	14.6	1.2	36
Site 4	5/18 - 5/26/11	8.02	150	528	1,169	3	694	85	1,951	1	6	7	14	2.1	1.5	0.9	33
Site 4	5/26/11 - 6/2/11	7.67	161	531	540	3	925	430	1,898	1	4	11	16	0.6	0.6	2.0	35
Site 4	6/2/11 - 6/8/11	7.56	170	615	186	2	767	86	1,041	1	12	5	18	0.6	0.7	2.5	35
Site 4	6/8/11 - 6/15/11	7.55	165	608	157	3	920	88	1,168	3	3	7	13	1.0	1.3	1.5	36
Site 4	6/15/11 - 6/23/11	7.61	145	706	32	3	816	159	1,010	1	5	11	17	2.0	8.0	1.6	40
Site 4	6/23/11 - 7/1/11	7.64	138	535	10	7	830	397	1,244	15	10	7	32	1.2	0.6	3.3	39
Site 4	7/1/11 - 7/7/11	7.32	140	495	20	3	850	195	1,068	1	5	14	20	0.8	0.4	2.2	35
Site 4	7/7/11 - 7/13/11	7.41	141	506	89	3	691	582	1,365	1	1	10	12	2.4	3.0	4.8	39
Site 4	7/13/11 - 7/20/11	7.46	138	517	85	18	503	647	1,253	1	1	10	12	1.1	3.9	3.8	32
Site 4	7/20/11 - 7/26/11	7.47	138	441	25	3	701	218	947	8	6	8	22	0.9	1.2	2.5	37
Site 4	7/26/11 - 8/3/11	7.24	134	508	13	28	294	33	368	1	1	10	12	9.9	6.0	2.8	40
Site 4	8/3/11 - 8/11/11	7.51	143	491	30	3	461	241	735	1	6	4	11	1.4	1.0	2.1	48
Site 4	8/11/11 - 8/18/11	7.27	151	19	87	3	351	167	608	1	1	5	7	1.9	1.7	3.3	40
Site 4	8/18/11 - 8/25/11	7.45	105	507	122	4	439	189	754	1	7	5	13	0.8	0.8	3.7	36
Site 4	8/25/11 - 9/7/11	7.48	159	516	1,029	3	378	138	1,548	3	3	2	8	0.7	1.6	1.6	41
Site 4	9/7/11 - 9/15/11	7.52	161	507	100	28	445	1	574	6	6	2	14	0.9	0.6	3.2	44
Site 4	9/15/11 - 9/20/11	7.60	163	507	161	2	388	9	560	1	1	1	3	0.9	1.4	2.3	41
Site 4	9/20/11 - 9/29/11	7.45	165	516	49	2	699	16	766	19	19	3	41	1.2	2.4	3.0	44
Site 4	9/29/11 - 10/5/11	7.70	175	493	20	22	545	61	648	1	5	4	10	1.1	0.8	1.3	37
Site 4	10/5/11 - 10/12/11	7.51	161	387	37	3	498	117	655	1	4	5	10	1.9	1.6	1.7	47
Site 4	10/12/11 - 10/20/11	7.49	160	463	3	10	568	117	698	1	11	31	43	5.1	12.4	1.7	65
Site 4	10/20/11 - 10/27/11	7.53	137	415	3	17	513	270	803	1	13	21	35	3.3	1.7	0.8	121
Site 4	10/27/11 - 11/3/11	7.36	134	403	15	3	542	36	596	1	21	18	40	2.3	3.6	1.7	118
Site 4	11/3/11 - 11/9/11	7.69	120	372	24	25	640	13	702	20	27	27	74	4.0	2.2	0.8	175
Site 4	11/9/11 - 11/16/11	7.33	130	375	24	12	633	276	945	17	25	31	73	3.8	3.1	3.5	154
Site 4	11/16/11 - 11/21/11	7.54	134	418	27	5	869	57	958	28	5	13	46	3.0	0.8	1.1	156
Site 4	11/21/11 - 12/1/11	7.81	140	402	12	22	534	42	610	19	10	11	40	3.1	0.9	1.0	132
Site 4	12/1/11 - 12/8/11	7.74	142	408	16	3	532	30	581	7	13	20	40	3.1	3.2	0.9	134
Site 4	12/8/11 - 12/15/11	7.31	111	325	33	26	635	130	824	25	25	63	113	3.4	4.0	2.0	110
Site 4	12/15/11 - 12/21/11	7.41	76.8	325	4	9	433	201	647	13	7	15	35	2.3	0.9	0.9	108
Site 4	12/21/11 - 12/30/11	7.54	120	366	11	3	685	47	746	15	1	2	18	2.5	1.7	1.4	93
Site 4	12/30/11 - 1/4/12	7.70	125	407	18	3	476	165	662	16	1	3	20	2.7	1.1	1.0	95
Site 4	1/4/12 - 1/16/12	8.03	139	422	20	4	370	111	505	2	4	14	20	1.7	1.8	1.1	92
Site 4	1/16/11 - 1/27/12	7.61	136	422	3	3	421	88	515	4	3	17	24	1.2	1.6	1.5	74
Site 4	1/27/12 - 2/3/12	7.61	86.8	438	3	3	520	210	736	4	4	11	19	2.7	6.8	2.3	68
Site 4	2/3/12 - 2/9/12	7.26	137	449	3	3	601	100	707	4	10	11	25	2.6	3.6	1.9	67
Site 4	2/9/12 - 2/15/12	7.61	151	449	10	3	752	136	901	8	2	26	36	2.2	3.8	2.8	65
Site 4	2/15/12 - 2/21/12	7.86	146	466	15	3	470	113	601	2	12	20	34	3.5	5.8	3.0	66
Site 4	2/21/12 - 3/1/12	7.82	153	482	16	3	116	55	190	1	6	27	34	1.4	1.5	1.7	55
Site 4	3/1/12 - 3/6/12	7.52	158	494	3	3	134	88	228	1	16	10	27	1.9	1.1	1.4	53
Site 4	3/6/12 - 3/15/12	7.85	165	520	17	2	228	99	346	3	12	7	22	1.4	0.9	1.4	52
Site 4	3/15/12 - 3/22/12	7.85	165	531	7	3	113	160	283	1	14	4	19	1.0	0.7	1.0	54
Site 4	3/22/12 - 3/29/12	7.75	165	534	11	3	333	44	391	6	19	2	27	2.6	0.9	0.9	46
Site 4	3/29/12 - 4/5/12	7.74	182	546	7	4	257	106	374	1	3	3	7	1.3	0.5	1.2	45
Site 4	4/5/12 - 4/12/12	7.68	179	553	15	3	314	21	353	1	6	17	24	2.1	0.8	1.5	47
Site 4	4/12/12 - 4/19/12	7.46	184	580	29	3	415	32	479	1	4	3	8	2.3	1.5	1.0	48
Site 4	4/19/12 - 4/24/12	7.63	182	572	2	3	555	14	574	1	7	8	16	3.7	2.9	1.0	45
Site 4	4/24/12 - 5/1/12	7.51	187	591	27	3	616	48	694	5	1	104	110	2.9	2.6	0.9	42
Geometric Mean:		7.58	146	448	25	5	485	86	695	3	6	9	21	1.9	1.7	1.7	57
Minimum Value:		7.24	77	19	2	2	113	1	190	1	1	1	3	0.6	0.4	0.8	32
Maximum Value:		8.03	187	706	1,169	28	925	647	1,951	28	27	104	113	9.9	14.6	4.8	175

2. Pond 5

Characteristics of Runoff Inflow Samples Collected at Tropical Farms Site 5

Site	Date Collected	pH (s.u.)	Alkalinity (mg/L)	Conductivity (µmho/cm)	Ammonia (µg/L)	NOX (µg/L)	Diss. Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss. Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Color (Pt-Co)
Site 5	5/12/11 - 5/18/11	8.15	190	621	201	3	860	293	1,357	1	9	13	23	2.1	5.0	5.5	33
Site 5	5/18 - 5/26/11	7.90	186	641	147	8	882	220	1,257	1	5	17	23	0.9	3.7	1.0	35
Site 5	5/26/11 - 6/2/11	7.69	185	648	155	3	978	167	1,303	2	3	8	13	1.9	0.6	0.7	34
Site 5	6/2/11 - 6/8/11	7.65	148	635	168	3	681	351	1,203	21	8	4	33	1.0	1.7	0.5	34
Site 5	6/8/11 - 6/15/11	7.99	167	641	151	37	858	922	1,968	3	4	14	21	9.3	26.9	2.0	38
Site 5	6/15/11 - 6/23/11	7.85	155	580	131	3	595	228	957	1	2	11	14	1.5	3.2	2.3	37
Site 5	6/23/11 - 7/1/11	7.74	140	556	21	6	866	341	1,234	4	1	11	16	1.9	2.2	0.9	48
Site 5	7/1/11 - 7/7/11	7.73	149	558	80	25	933	263	1,301	10	1	10	21	4.4	6.8	1.0	39
Site 5	7/7/11 - 7/13/11	7.82	150	543	66	3	1,050	330	1,449	1	1	15	17	1.4	4.2	2.2	44
Site 5	7/13/11 - 7/20/11	7.57	156	484	90	24	577	111	802	1	1	7	9	0.8	2.2	1.8	35
Site 5	7/20/11 - 7/26/11	7.81	147	527	24	43	680	106	853	14	11	8	33	11.3	3.7	2.3	50
Site 5	7/26/11 - 8/3/11	7.56	143	535	28	157	485	84	754	14	14	6	34	2.2	3.6	1.8	50
Site 5	8/3/11 - 8/11/11	7.48	162	536	76	18	693	293	1,080	1	1	39	41	0.8	2.2	0.7	47
Site 5	8/11/11 - 8/18/11	7.70	155	528	92	3	689	389	1,173	2	2	83	87	2.6	5.9	10.7	42
Site 5	8/18/11 - 8/25/11	7.55	166	524	117	3	713	187	1,020	1	1	6	8	1.3	0.4	1.6	38
Site 5	8/25/11 - 9/7/11	7.61	166	525	145	98	566	257	1,066	11	11	2	24	1.4	0.5	0.7	44
Site 5	9/7/11 - 9/15/11	7.53	156	469	21	77	399	192	689	11	11	15	37	0.7	1.1	1.5	47
Site 5	9/15/11 - 9/20/11	7.25	166	455	157	3	495	107	762	1	1	1	3	1.1	3.0	1.2	43
Site 5	9/20/11 - 9/29/11	7.37	177	530	29	3	547	77	656	1	1	1	3	0.7	1.4	1.7	39
Site 5	9/29/11 - 10/5/11	7.42	173	524	23	34	705	16	778	1	1	4	6	0.7	0.7	0.9	36
Site 5	10/5/11 - 10/12/11	7.44	173	455	20	3	711	47	781	4	3	5	12	1.1	0.6	1.1	41
Site 5	10/12/11 - 10/20/11	7.51	167	466	38	28	540	116	722	1	1	2	4	0.6	0.9	0.6	52
Site 5	10/20/11 - 10/27/11	7.34	154	441	29	6	517	642	1,194	2	2	1	5	1.5	1.2	0.7	107
Site 5	10/27/11 - 11/3/11	7.31	133	404	19	21	568	439	1,047	6	17	21	44	4.1	5.3	7.3	137
Site 5	11/3/11 - 11/9/11	7.42	128	393	20	6	532	67	625	4	4	15	23	2.2	1.4	0.9	145
Site 5	11/9/11 - 11/16/11	7.29	122	403	16	3	873	128	1,020	1	16	16	33	1.3	0.6	0.9	150
Site 5	11/16/11 - 11/21/11	7.90	134	380	14	6	672	238	930	1	1	3	5	1.1	2.3	8.8	121
Site 5	11/21/11 - 12/1/11	7.49	147	414	8	14	500	18	540	4	4	3	11	0.7	1.0	0.8	109
Site 5	12/1/11 - 12/8/11	7.31	146	429	12	3	461	68	544	1	1	6	8	0.7	1.6	0.7	126
Site 5	12/8/11 - 12/15/11	7.20	124	308	3	4	634	64	705	17	17	49	83	2.9	3.0	2.2	106
Site 5	12/15/11 - 12/21/11	7.24	124	360	10	3	400	298	711	4	4	9	17	2.6	0.9	1.0	92
Site 5	12/21/11 - 12/30/11	7.46	120	365	13	5	678	42	738	1	1	23	25	1.4	0.8	1.9	79
Site 5	12/30/11 - 1/4/12	7.72	114	383	18	3	484	86	591	3	23	9	35	0.7	2.1	0.9	82
Site 5	1/4/12 - 1/16/12	7.39	127	409	29	3	371	422	825	1	3	7	11	0.7	0.8	1.0	38
Site 5	1/16/11 - 1/27/12	7.64	119	357	3	3	308	88	402	1	2	2	5	1.2	1.1	1.6	72
Site 5	1/27/12 - 2/3/12	7.58	132	394	3	3	475	286	767	1	1	9	11	1.1	0.8	1.5	72
Site 5	2/3/12 - 2/9/12	7.28	126	402	3	5	555	108	671	1	10	4	15	0.8	1.4	1.3	67
Site 5	2/9/12 - 2/15/12	7.39	124	421	10	4	570	318	902	6	2	1	9	1.3	1.2	1.7	63
Site 5	2/15/12 - 2/21/12	7.61	123	405	37	3	503	63	606	1	12	1	14	1.4	0.9	2.3	66
Site 5	2/21/12 - 3/1/12	7.62	115	408	24	3	281	16	324	1	16	13	30	1.3	0.9	2.3	60
Site 5	3/1/12 - 3/6/12	8.00	115	412	7	3	213	30	253	1	13	3	17	0.2	0.9	1.7	54
Site 5	3/6/12 - 3/15/12	7.82	122	430	20	6	333	105	464	2	11	11	24	1.7	7.4	3.5	52
Site 5	3/15/12 - 3/22/12	7.54	125	447	4	2	387	115	508	1	15	4	20	1.6	1.3	4.1	51
Site 5	3/22/12 - 3/29/12	7.67	114	399	6	7	334	86	433	6	9	7	22	1.5	2.7	2.7	49
Site 5	3/29/12 - 4/5/12	7.45	121	448	3	4	499	104	610	1	5	8	14	1.9	3.7	5.0	52
Site 5	4/5/12 - 4/12/12	7.58	106	426	38	15	493	53	599	7	3	10	20	1.7	1.5	2.9	51
Site 5	4/12/12 - 4/19/12	7.51	105	418	24	2	510	32	568	1	1	8	10	1.9	16.8	4.0	48
Site 5	4/19/12 - 4/24/12	7.27	121	464	31	6	637	418	1,092	3	1	34	38	1.2	6.7	2.4	49
Site 5	4/24/12 - 5/1/12	7.44	125	474	24	3	781	76	884	4	10	7	21	1.2	2.6	2.9	47
Geometric Mean:		7.56	140	462	26	7	563	131	790	2	4	7	16	1.4	1.9	1.7	56
Minimum Value:		7.20	105	308	3	2	213	16	253	1	1	1	3	0.2	0.4	0.5	33
Maximum Value:		8.15	190	648	201	157	1,050	922	1,968	21	23	83	87	11.3	26.9	10.7	150

APPENDIX E

SUPPORTING CALCULATIONS FOR ESTIMATION OF PERFORMANCE EFFICIENCY OF THE TROPICAL FARMS SYSTEM

- 1. Mean Monthly Concentrations of Measured Parameters at Each of the Monitoring Sites**
- 2. Monthly Mass Loadings of Measured Parameters at Each of the Monitoring Sites**
- 3. Monthly Mass Balances for Evaluated Parameters in Pond 1**
- 4. Monthly Mass Balances for Evaluated Parameters in Ponds 2-5**

**1. Mean Monthly Concentrations of Measured
Parameters at Each of the Monitoring Sites**

Mean Monthly Characteristics of Bulk Precipitation Samples Collected at the Tropical Farms Site from May 2011- April 2012

Year	Month	Ammonia (µg/L)	NOX (µg/L)	Diss Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	TSS (mg/L)	BOD (mg/L)
2011	May	139	250	326	435	1,194	4	17	44	71	7.3	0.9
	June	158	215	337	336	1,099	8	5	13	30	2.2	0.7
	July	74	119	220	47	529	3	3	3	14	1.1	0.4
	August	132	148	185	40	579	2	9	5	17	1.2	0.3
	September	62	51	107	41	332	13	5	3	34	0.9	0.4
	October	30	17	61	23	163	10	6	2	20	0.9	0.3
	November	69	34	83	62	289	13	10	7	34	1.6	0.8
	December	197	21	158	77	485	12	31	5	49	1.3	0.8
2012	January	200	40	207	82	617	19	26	8	64	1.8	0.9
	February	204	77	270	86	784	31	22	12	82	2.4	0.9
	March	155	149	142	14	527	66	13	5	87	2.6	0.7
	April	127	307	107	3	544	57	23	13	93	3.0	1.0

Mean Monthly Characteristics of Site 1 Inflow Samples Collected at the Tropical Farms Site from May 2011- April 2012

[illegible]

Mean Monthly Characteristics of Site 6 Outflow Samples Collected at the Tropical Farms Site from May 2011- April 2012

Year	Month	Ammonia (µg/L)	NOX (µg/L)	Diss Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	TSS (mg/L)	BOD (mg/L)
2011	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	85	56	823	215	1,250	15	9	12	47	1.0	1.0
	August	88	143	467	208	974	19	7	9	37	1.7	0.6
	September	51	115	515	104	848	12	4	5	23	1.4	0.6
	October	10	48	625	87	798	5	7	11	27	1.4	0.5
	November	17	72	617	82	820	6	8	6	25	1.5	0.7
	December	8	37	461	94	632	7	6	11	26	1.5	0.7
	January	9	24	264	39	395	4	5	12	23	1.8	0.6
	February	7	19	342	30	417	6	8	5	20	1.1	0.7
	March	7	22	183	36	262	4	11	6	24	0.8	0.7
	April	13	41	292	96	442	6	11	8	25	0.9	0.9
2012	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	85	56	823	215	1,250	15	9	12	47	1.0	1.0
	August	88	143	467	208	974	19	7	9	37	1.7	0.6
	September	51	115	515	104	848	12	4	5	23	1.4	0.6
	October	10	48	625	87	798	5	7	11	27	1.4	0.5
	November	17	72	617	82	820	6	8	6	25	1.5	0.7
	December	8	37	461	94	632	7	6	11	26	1.5	0.7
	January	9	24	264	39	395	4	5	12	23	1.8	0.6
	February	7	19	342	30	417	6	8	5	20	1.1	0.7
	March	7	22	183	36	262	4	11	6	24	0.8	0.7
	April	13	41	292	96	442	6	11	8	25	0.9	0.9

Mean Monthly Characteristics of Groundwater Inflow to Pond 1 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Ammonia (µg/L)	NOX (µg/L)	Diss Org. N (µg/L)	Part. N (µg/L)	Total N (µg/L)	SRP (µg/L)	Diss Org. P (µg/L)	Part. P (µg/L)	Total P (µg/L)	TSS (mg/L)	BOD (mg/L)
2011	May	567	6	572	-	1,257	6	9	-	17	-	13.0
	June	438	23	443	-	1,024	9	30	-	40	-	14.6
	July	215	5	770	-	1,016	22	37	-	59	-	3.5
	August	257	11	388	-	694	15	44	-	78	-	4.9
	September	371	6	602	-	1,038	27	33	-	62	-	3.6
	October	78	5	973	-	1,168	11	26	-	43	-	2.4
	November	82	25	593	-	737	7	19	-	28	-	1.5
	December	44	14	516	-	611	8	9	-	19	-	0.8
	January	39	56	374	-	514	5	10	-	19	-	0.7
	February	47	49	394	-	504	7	16	-	29	-	1.2
	March	80	13	253	-	354	15	19	-	40	-	1.2
	April	403	11	216	-	645	37	31	-	69	-	0.8
2012	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	85	56	823	215	1,250	15	9	12	47	1.0	1.0
	August	88	143	467	208	974	19	7	9	37	1.7	0.6
	September	51	115	515	104	848	12	4	5	23	1.4	0.6
	October	10	48	625	87	798	5	7	11	27	1.4	0.5
	November	17	72	617	82	820	6	8	6	25	1.5	0.7
	December	8	37	461	94	632	7	6	11	26	1.5	0.7
	January	9	24	264	39	395	4	5	12	23	1.8	0.6
	February	7	19	342	30	417	6	8	5	20	1.1	0.7
	March	7	22	183	36	262	4	11	6	24	0.8	0.7
	April	13	41	292	96	442	6	11	8	25	0.9	0.9

2. Monthly Mass Loadings of Measured Parameters at Each of the Monitoring Sites

Monthly Mass Loadings of Bulk Precipitation to Pond 1 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	0.06	0.11	0.14	0.19	0.51	0.00	0.01	0.02	0.03	3.13	0.37
	June	0.09	0.13	0.20	0.20	0.65	0.00	0.00	0.01	0.02	1.30	0.43
	July	0.06	0.09	0.17	0.04	0.40	0.00	0.00	0.00	0.01	0.85	0.32
	August	0.19	0.22	0.27	0.06	0.84	0.00	0.01	0.01	0.03	1.77	0.49
	September	0.08	0.07	0.14	0.05	0.43	0.02	0.01	0.00	0.04	1.24	0.56
	October	0.04	0.03	0.09	0.03	0.24	0.02	0.01	0.00	0.03	1.31	0.48
	November	0.02	0.01	0.03	0.02	0.10	0.00	0.00	0.00	0.01	0.52	0.27
	December	0.21	0.02	0.17	0.08	0.51	0.01	0.03	0.01	0.05	1.41	0.89
	January	0.02	0.00	0.02	0.01	0.06	0.00	0.00	0.00	0.01	0.17	0.08
	February	0.07	0.03	0.09	0.03	0.26	0.01	0.01	0.00	0.03	0.78	0.29
	March	0.13	0.13	0.12	0.01	0.45	0.06	0.01	0.00	0.07	2.16	0.58
	April	0.07	0.18	0.06	0.00	0.32	0.03	0.01	0.01	0.05	1.75	0.58
	Totals:	1.05	1.00	1.49	0.72	4.77	0.16	0.11	0.07	0.38	16.39	5.36
2012												

Monthly Mass Loadings from Site 1 Inflow at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-	-
	October	5.97	5.73	34.9	36.2	96.1	7.3	1.03	4.75	13.7	242.0	93.4
	November	1.15	11.1	26.6	5.67	46.1	4.6	0.43	2.63	8.01	133.4	52.7
	December	1.35	20.5	47.7	14.7	93.4	7.8	1.42	6.38	15.9	222.9	142.6
2012	January	0.33	0.21	1.67	0.98	3.57	0.56	0.09	0.53	1.28	50.3	17.9
	February	0.08	0.08	3.12	0.77	4.49	0.41	0.05	0.74	1.26	38.1	18.9
	March	0.09	0.03	0.56	0.49	1.16	0.20	0.01	0.65	0.86	16.2	6.07
	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00
	Totals:	8.96	37.6	114.6	58.9	244.8	20.8	3.03	15.7	41.0	702.9	331.6

Monthly Mass Loadings from Site 2 Inflow at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	3.90	5.04	5.34	3.46	20.9	0.14	0.05	2.93	3.17	1,726	36
	June	6.25	8.08	8.56	5.55	33.5	0.22	0.08	4.69	5.08	2,765	58
	July	6.97	9.00	9.54	6.19	37.3	0.24	0.08	5.23	5.66	3,082	64
	August	14.7	6.63	11.2	14.6	55.3	0.29	0.18	20.6	21.2	6,440	62
	September	2.81	11.8	12.3	4.3	39.6	0.31	0.12	11.5	11.9	1,643	38
	October	4.16	42.7	80.5	38.9	170.2	6.09	1.30	84.0	93.2	9,313	267
	November	0.87	11.85	19.8	13.2	48.4	1.20	0.52	10.4	12.4	4,657	60
	December	1.71	42.0	57.6	16.0	117.9	1.63	0.38	8.9	11.0	2,491	146
2012	January	0.16	5.1	1.72	1.60	9.98	0.12	0.03	1.02	1.19	221	13
	February	0.15	5.68	0.47	1.48	7.78	0.08	0.03	1.07	1.18	181	10
	March	0.53	8.36	2.24	1.55	12.7	0.13	0.13	2.15	2.47	365	13
	April	0.43	8.27	10.8	1.65	22.2	0.16	0.06	0.38	0.65	105	10
	Totals:	42.6	164.4	220.0	108.4	575.8	10.6	2.95	152.9	169.1	32,990	777

Monthly Mass Loadings from Site 3 Outflow at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	1.67	1.38	9.60	6.02	21.0	0.10	0.07	1.15	1.39	509	16
	June	2.62	0.40	10.3	5.64	20.9	0.15	0.10	1.25	1.60	799	27
	July	1.39	4.63	10.6	10.8	30.6	0.31	0.12	1.89	2.45	484	32
	August	2.98	4.38	8.88	10.8	32.4	0.32	0.13	3.02	3.77	859	33
	September	2.01	2.77	9.93	7.26	26.5	0.13	0.03	1.97	2.20	499	41
	October	7.53	30.1	127.8	39.2	242.5	6.21	4.02	13.0	27.9	2,393	278
	November	2.75	22.8	52.7	8.37	92.1	5.64	1.60	5.43	12.9	696	73
	December	3.16	67.7	79.1	35.3	202.1	8.40	3.66	12.4	25.8	2,566	214
2012	January	0.18	9.64	3.74	5.87	20.7	0.78	0.35	2.28	3.57	807	33
	February	0.28	2.27	6.73	3.28	14.4	0.18	0.21	1.07	1.55	305	37
	March	1.05	0.46	2.25	1.63	5.88	0.14	0.11	0.52	0.82	132	23
	April	0.77	0.14	1.32	1.22	3.86	0.12	0.05	0.33	0.51	77	19
	Totals:	26.4	146.7	322.9	135.3	712.9	22.5	10.4	44.3	84.5	10,125	828

Monthly Mass Loadings from Site 6 Outflow at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	0.40	0.26	3.86	1.01	5.86	0.07	0.04	0.06	0.22	4.70	4.66
	August	2.83	4.58	14.9	6.64	31.1	0.62	0.23	0.29	1.19	55.9	17.8
	September	1.23	2.81	12.6	2.54	20.7	0.31	0.10	0.13	0.56	33.6	13.8
	October	1.50	7.07	91.5	12.8	117.0	0.77	1.08	1.67	3.98	198.4	75.4
	November	1.91	8.39	71.5	9.47	95.0	0.70	0.92	0.70	2.93	170.3	77.0
	December	1.58	7.37	92.4	18.9	126.7	1.36	1.29	2.27	5.27	304.8	143.0
	January	0.21	0.57	6.16	0.91	9.20	0.10	0.12	0.29	0.53	40.8	14.9
	February	0.11	0.32	5.70	0.50	6.94	0.09	0.13	0.08	0.33	18.6	12.2
	March	0.08	0.23	1.94	0.38	2.78	0.04	0.12	0.06	0.25	8.83	7.94
	April	0.01	0.03	0.22	0.07	0.33	0.00	0.01	0.01	0.02	0.67	0.67
	Totals:	9.85	31.6	300.8	53.2	415.6	4.07	4.04	5.56	15.3	836.6	367.3
2012												

Monthly Mass Loadings from Groundwater Inflow to Pond 1 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	June	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	July	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	August	0.10	0.00	0.14	-	0.26	0.01	0.02	-	0.03	-	1.80
	September	0.14	0.00	0.22	-	0.38	0.01	0.01	-	0.02	-	1.34
	October	0.04	0.00	0.48	-	0.58	0.01	0.01	-	0.02	-	1.19
	November	0.15	0.05	1.10	-	1.36	0.01	0.03	-	0.05	-	2.72
	December	0.08	0.02	0.89	-	1.05	0.01	0.02	-	0.03	-	1.37
	January	0.07	0.10	0.69	-	0.95	0.01	0.02	-	0.03	-	1.20
	February	0.04	0.04	0.29	-	0.37	0.01	0.01	-	0.02	-	0.89
	March	0.02	0.00	0.06	-	0.09	0.00	0.00	-	0.01	-	0.29
	April	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	Totals:	0.63	0.22	3.88	-	5.05	0.07	0.13	-	0.22	-	10.79
2012												

Monthly Mass Loadings from Groundwater Inflow to Ponds 2-5 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org. N	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	June	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	July	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	August	1.09	0.03	3.20	-	4.43	0.09	0.07	-	0.23	-	19.50
	September	1.94	0.05	6.44	-	9.34	0.12	0.08	-	0.21	-	8.93
	October	0.51	0.04	4.84	-	5.58	0.06	0.06	-	0.16	-	10.5
	November	2.05	0.43	11.5	-	15.5	0.20	0.19	-	0.46	-	16.3
	December	1.19	0.09	6.27	-	8.18	0.13	0.06	-	0.22	-	5.84
	January	0.91	0.21	5.02	-	6.58	0.06	0.06	-	0.12	-	4.00
	February	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	March	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
	April	0.00	0.00	0.00	-	0.00	0.00	0.00	-	0.00	-	0.00
2012	Totals:	7.70	0.85	37.3	-	49.6	0.66	0.52	-	1.39	-	65.0

Monthly Mass Loadings of Bulk Precipitation to Ponds 2-5 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org.	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	0.40	0.72	0.94	1.26	3.45	0.01	0.05	0.13	0.20	21.10	2.50
	June	0.63	0.85	1.34	1.33	4.37	0.03	0.02	0.05	0.12	8.78	2.92
	July	0.38	0.61	1.13	0.24	2.72	0.01	0.02	0.02	0.07	5.69	2.16
	August	1.29	1.45	1.82	0.40	5.69	0.02	0.09	0.05	0.17	11.89	3.33
	September	0.54	0.45	0.94	0.36	2.91	0.11	0.05	0.03	0.30	8.32	3.81
	October	0.29	0.17	0.60	0.23	1.60	0.10	0.06	0.02	0.20	8.83	3.25
	November	0.16	0.08	0.19	0.14	0.65	0.03	0.02	0.02	0.08	3.53	1.81
	December	1.39	0.15	1.12	0.55	3.44	0.09	0.22	0.04	0.35	9.50	6.01
2012	January	0.13	0.03	0.13	0.05	0.39	0.01	0.02	0.00	0.04	1.14	0.55
	February	0.45	0.17	0.60	0.19	1.74	0.07	0.05	0.03	0.18	5.28	1.94
	March	0.89	0.85	0.81	0.08	3.00	0.38	0.07	0.03	0.50	14.55	3.90
	April	0.50	1.21	0.42	0.01	2.14	0.22	0.09	0.05	0.37	11.79	3.93
	Totals:	7.05	6.73	10.04	4.84	32.10	1.09	0.75	0.46	2.58	110.41	36.11

Monthly Mass Loadings from Groundwater Losses from Pond 1 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org.	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	0.18	0.15	1.05	0.66	2.30	0.01	0.01	0.13	0.15	55.9	1.79
	June	0.36	0.05	1.40	0.77	2.85	0.02	0.01	0.17	0.22	108.9	3.71
	July	0.06	0.19	0.44	0.45	1.28	0.01	0.01	0.08	0.10	20.3	1.33
	August	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	October	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	February	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	April	0.04	0.01	0.06	0.06	0.18	0.01	0.00	0.02	0.02	3.54	0.87
	Totals:	0.63	0.41	2.96	1.94	6.61	0.05	0.03	0.39	0.50	188.7	7.70

Monthly Mass Loadings from Groundwater Losses from Ponds 2-5 at the Tropical Farms Site from May 2011- April 2012

Year	Month	Monthly Mass Loading (kg)										
		Ammonia	NOX	Diss Org.	Part. N	Total N	SRP	Diss Org. P	Part. P	Total P	TSS	BOD
2011	May	-	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-	-
	July	0.30	0.20	2.94	0.77	4.47	0.06	0.03	0.04	0.17	3.59	3.56
	August	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	October	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	February	0.03	0.09	1.60	0.14	1.95	0.03	0.04	0.02	0.09	5.24	3.44
	March	0.11	0.32	2.75	0.53	3.95	0.06	0.17	0.09	0.36	12.5	11.3
	April	0.22	0.70	4.97	1.63	7.52	0.10	0.19	0.14	0.43	15.3	15.3
	Totals:	0.66	1.31	12.3	3.08	17.9	0.24	0.43	0.29	1.04	36.7	33.6
2012												

3. Monthly Mass Balances for Evaluated Parameters in Pond 1

Mass Balance for Ammonia in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.06	-	3.9	0.0	4.0	1.7	58
	June	0.09	-	6.2	0.0	6.3	2.6	59
	July	0.06	-	7.0	0.0	7.0	1.4	80
	August	0.19	-	14.7	0.1	15.0	3.0	80
	September	0.08	-	2.8	0.1	3.0	2.0	34
	October	0.04	6.0	4.2	0.0	10.2	7.5	26
	November	0.02	1.1	0.9	0.2	2.2	2.7	-25
	December	0.21	1.3	1.7	0.1	3.3	3.2	5
	January	0.02	0.3	0.2	0.1	0.6	0.2	70
	February	0.07	0.1	0.1	0.0	0.3	0.3	13
	March	0.13	0.1	0.5	0.0	0.8	1.1	-36
	April	0.07	0.0	0.4	0.0	0.5	0.8	-52
2012	Totals:	1.05	8.96	42.6	0.63	53.3	26.4	50

Mass Balance for NOx in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.11	-	5.0	0.0	5.2	1.4	73
	June	0.13	-	8.1	0.0	8.2	0.4	95
	July	0.09	-	9.0	0.0	9.1	4.6	49
	August	0.22	-	6.6	0.0	6.8	4.4	36
	September	0.07	-	11.8	0.0	11.8	2.8	77
	October	0.03	5.7	42.7	0.0	48.4	30.1	38
	November	0.01	11.1	11.9	0.0	23.0	22.8	1
	December	0.02	20.5	42.0	0.0	62.5	67.7	-8
	January	0.00	0.2	5.1	0.1	5.4	9.6	-78
	February	0.03	0.1	5.7	0.0	5.8	2.3	61
	March	0.13	0.0	8.4	0.0	8.5	0.5	95
	April	0.18	0.0	8.3	0.0	8.4	0.1	98
2012	Totals:	1.00	37.58	164.4	0.22	203.2	146.7	28

Mass Balance for Diss. Organic N in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.14	-	5.3	0.0	5.5	9.6	-75
	June	0.20	-	8.6	0.0	8.8	10.3	-17
	July	0.17	-	9.5	0.0	9.7	10.6	-9
	August	0.27	-	11.2	0.1	11.6	8.9	24
	September	0.14	-	12.3	0.2	12.6	9.9	21
	October	0.09	34.9	80.5	0.5	116.0	127.8	-10
	November	0.03	26.6	19.8	1.1	47.5	52.7	-11
	December	0.17	47.7	57.6	0.9	106.3	79.1	26
	January	0.02	1.7	1.7	0.7	4.1	3.7	9
	February	0.09	3.1	0.5	0.3	4.0	6.7	-69
	March	0.12	0.6	2.2	0.1	3.0	2.3	25
	April	0.06	0.0	10.8	0.0	10.9	1.3	88
2012	Totals:	1.49	114.6	220.0	3.88	339.9	322.9	5

Mass Balance for Particulate N in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.19	-	3.5	-	3.7	6.0	-65
	June	0.20	-	5.6	-	5.7	5.6	2
	July	0.04	-	6.2	-	6.2	10.8	-74
	August	0.06	-	14.6	-	14.6	10.8	26
	September	0.05	-	4.3	-	4.3	7.3	-68
	October	0.03	36.2	38.9	-	75.2	39.2	48
	November	0.02	5.7	13.2	-	18.8	8.4	56
	December	0.08	14.7	16.0	-	30.8	35.3	-14
	January	0.01	1.0	1.6	-	2.6	5.9	-126
	February	0.03	0.8	1.5	-	2.3	3.3	-44
	March	0.01	0.5	1.6	-	2.1	1.6	21
	April	0.00	0.0	1.6	-	1.6	1.2	26
2012	Totals:	0.72	58.9	108.4	0.00	168.0	135.3	19

Mass Balance for Total N in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.51	-	20.9	0.0	21.4	21.0	2
	June	0.65	-	33.5	0.0	34.1	20.9	39
	July	0.40	-	37.3	0.0	37.7	30.6	19
	August	0.84	-	55.3	0.3	56.4	32.4	42
	September	0.43	-	39.6	0.4	40.5	26.5	35
	October	0.24	96.1	170.2	0.6	267.1	242.5	9
	November	0.10	46.1	48.4	1.4	95.9	92.1	4
	December	0.51	93.4	117.9	1.1	212.9	202.1	5
	January	0.06	3.6	10.0	1.0	14.6	20.7	-42
	February	0.26	4.5	7.8	0.4	12.9	14.4	-12
	March	0.45	1.2	12.7	0.1	14.4	5.9	59
	April	0.32	0.0	22.2	0.0	22.5	3.9	83
2012	Totals:	4.77	244.8	575.8	5.05	830.5	712.9	14

Mass Balance for SRP in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.00	-	0.1	0.0	0.1	0.1	27
	June	0.00	-	0.2	0.0	0.2	0.1	33
	July	0.00	-	0.2	0.0	0.2	0.3	-27
	August	0.00	-	0.3	0.0	0.3	0.3	-7
	September	0.02	-	0.3	0.0	0.3	0.1	62
	October	0.02	7.3	6.1	0.0	13.4	6.2	54
	November	0.00	4.6	1.2	0.0	5.8	5.6	2
	December	0.01	7.8	1.6	0.0	9.5	8.4	11
	January	0.00	0.6	0.1	0.0	0.7	0.8	-14
	February	0.01	0.4	0.1	0.0	0.5	0.2	65
	March	0.06	0.2	0.1	0.0	0.4	0.1	65
	April	0.03	0.0	0.2	0.0	0.2	0.1	41
2012	Totals:	0.16	20.8	10.6	0.07	31.6	22.5	29

Mass Balance for Diss. Organic P in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.01	-	0.0	0.00	0.1	0.07	-29
	June	0.00	-	0.1	0.00	0.1	0.10	-23
	July	0.00	-	0.1	0.00	0.1	0.12	-38
	August	0.01	-	0.2	0.02	0.2	0.13	36
	September	0.01	-	0.1	0.01	0.1	0.03	77
	October	0.01	1.0	1.3	0.01	2.3	4.02	-71
	November	0.00	0.4	0.5	0.03	1.0	1.60	-62
	December	0.03	1.4	0.4	0.02	1.8	3.66	-98
	January	0.00	0.1	0.0	0.02	0.1	0.35	-146
	February	0.01	0.1	0.0	0.01	0.1	0.21	-110
	March	0.01	0.0	0.1	0.00	0.2	0.11	26
	April	0.01	0.0	0.1	0.00	0.1	0.05	41
2012	Totals:	0.11	3.0	3.0	0.13	6.2	10.4	-68

Mass Balance for Particulate P in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.02	-	2.9	-	2.9	1.1	61
	June	0.01	-	4.7	-	4.7	1.3	73
	July	0.00	-	5.2	-	5.2	1.9	64
	August	0.01	-	20.6	-	20.6	3.0	85
	September	0.00	-	11.5	-	11.5	2.0	83
	October	0.00	4.7	84.0	-	88.7	13.0	85
	November	0.00	2.6	10.4	-	13.0	5.4	58
	December	0.01	6.4	8.9	-	15.3	12.4	19
	January	0.00	0.5	1.0	-	1.6	2.3	-47
	February	0.00	0.7	1.1	-	1.8	1.1	41
	March	0.00	0.7	2.1	-	2.8	0.5	81
	April	0.01	0.0	0.4	-	0.4	0.3	14
2012	Totals:	0.07	15.7	152.9	0.00	168.6	44.3	74

Mass Balance for Total P in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.03	-	3.2	0.0	3.2	1.4	56
	June	0.02	-	5.1	0.0	5.1	1.6	69
	July	0.01	-	5.7	0.0	5.7	2.4	57
	August	0.03	-	21.2	0.0	21.2	3.8	82
	September	0.04	-	11.9	0.0	12.0	2.2	82
	October	0.03	13.7	93.2	0.0	106.9	27.9	74
	November	0.01	8.0	12.4	0.1	20.5	12.9	37
	December	0.05	15.9	11.0	0.0	27.0	25.8	4
	January	0.01	1.3	1.2	0.0	2.5	3.6	-43
	February	0.03	1.3	1.2	0.0	2.5	1.5	38
	March	0.07	0.9	2.5	0.0	3.4	0.8	76
	April	0.05	0.0	0.7	0.0	0.7	0.5	28
2012	Totals:	0.38	41.0	169.1	0.2	210.7	84.5	60

Mass Balance for TSS in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	3.13	-	1,726	-	1,729	509	71
	June	1.30	-	2,765	-	2,767	799	71
	July	0.85	-	3,082	-	3,083	484	84
	August	1.77	-	6,440	-	6,442	859	87
	September	1.24	-	1,643	-	1,644	499	70
	October	1.31	242.0	9,313	-	9,556	2,393	75
	November	0.52	133.4	4,657	-	4,791	696	85
	December	1.41	222.9	2,491	-	2,716	2,566	5
	January	0.17	50.3	221	-	272	807	-197
	February	0.78	38.1	181	-	220	305	-39
	March	2.16	16.2	365	-	383	132	66
	April	1.75	0.0	105	-	107	77	28
2012	Totals:	16.39	702.9	32,990	0.0	33,710	10,125	70

Mass Balance for BOD in Pond 1 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 1	Site 2	GW	Total		
2011	May	0.37	-	36.0	0.0	36	16	55
	June	0.43	-	57.6	0.0	58	27	53
	July	0.32	-	64.2	0.0	65	32	51
	August	0.49	-	61.7	1.8	64	33	49
	September	0.56	-	38.2	1.3	40	41	-3
	October	0.48	93.4	266.9	1.2	362	278	23
	November	0.27	52.7	60.0	2.7	116	73	37
	December	0.89	142.6	146.2	1.4	291	214	26
	January	0.08	17.9	12.6	1.2	32	33	-4
	February	0.29	18.9	10.0	0.9	30	37	-24
	March	0.58	6.1	13.2	0.3	20	23	-15
	April	0.58	0.0	10.1	0.0	11	19	-77
2012	Totals:	5.36	331.6	777	10.8	1,125	828	26

4. Monthly Mass Balances for Evaluated Parameters in Ponds 2-5

Mass Balance for Ammonia in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total	
2011	May	0.40	1.7	0	0.0	2.1	100
	June	0.63	2.6	0	0.0	3.2	100
	July	0.38	1.4	0	0.0	1.8	77
	August	1.29	3.0	0	1.1	5.4	47
	September	0.54	2.0	0	1.9	4.5	73
	October	0.29	7.5	0	0.5	8.3	82
	November	0.16	2.7	0	2.0	5.0	61
	December	1.39	3.2	0	1.2	5.8	72
	January	0.13	0.2	0	0.9	1.2	83
	February	0.45	0.3	0	0.0	0.7	85
	March	0.89	1.1	0	0.0	1.9	96
	April	0.50	0.8	0	0.0	1.3	99
2012	Totals:	7.05	26.4	0	7.70	41.1	76

Mass Balance for NOx in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total	
2011	May	0.72	1.4	0	0.00	2.1	100
	June	0.85	0.4	0	0.00	1.3	100
	July	0.61	4.6	0	0.00	5.2	95
	August	1.45	4.4	0	0.03	5.9	22
	September	0.45	2.8	0	0.05	3.3	14
	October	0.17	30.1	0	0.04	30.3	77
	November	0.08	22.8	0	0.43	23.3	64
	December	0.15	67.7	0	0.09	68.0	89
	January	0.03	9.6	0	0.21	9.9	94
	February	0.17	2.3	0	0.00	2.4	87
	March	0.85	0.5	0	0.00	1.3	83
	April	1.21	0.1	0	0.00	1.4	98
2012	Totals:	6.73	146.7	0	0.85	154.3	80

Mass Balance for Diss. Organic N in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total	
2011	May	0.94	9.6	0	0.0	10.5	100
	June	1.34	10.3	0	0.0	11.6	100
	July	1.13	10.6	0	0.0	11.7	67
	August	1.82	8.9	0	3.2	13.9	-7
	September	0.94	9.9	0	6.4	17.3	27
	October	0.60	127.8	0	4.8	133.3	31
	November	0.19	52.7	0	11.5	64.4	-11
	December	1.12	79.1	0	6.3	86.5	-7
	January	0.13	3.7	0	5.0	8.9	31
	February	0.60	6.7	0	0.0	7.3	22
	March	0.81	2.3	0	0.0	3.1	37
	April	0.42	1.3	0	0.0	1.7	88
2012	Totals:	10.04	322.9	0	37.26	370.2	19

Mass Balance for Particulate N in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total	
2011	May	1.26	6.0	0	-	7.3	100
	June	1.33	5.6	0	-	7.0	100
	July	0.24	10.8	0	-	11.1	91
	August	0.40	10.8	0	-	11.2	41
	September	0.36	7.3	0	-	7.6	67
	October	0.23	39.2	0	-	39.4	67
	November	0.14	8.4	0	-	8.5	-11
	December	0.55	35.3	0	-	35.8	47
	January	0.05	5.9	0	-	5.9	85
	February	0.19	3.3	0	-	3.5	86
	March	0.08	1.6	0	-	1.7	78
	April	0.01	1.2	0	-	1.2	94
2012	Totals:	4.84	135.3	0	0.00	140.1	62

Mass Balance for Total N in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total		
2011	May	3.45	21.0	0	0.0	24.4	-	100
	June	4.37	20.9	0	0.0	25.2	-	100
	July	2.72	30.6	0	0.0	33.3	5.9	82
	August	5.69	32.4	0	4.4	42.6	31.1	27
	September	2.91	26.5	0	9.3	38.7	20.7	47
	October	1.60	242.5	0	5.6	249.7	117.0	53
	November	0.65	92.1	0	15.5	108.2	95.0	12
	December	3.44	202.1	0	8.2	213.7	126.7	41
2012	January	0.39	20.7	0	6.6	27.7	9.2	67
	February	1.74	14.4	0	0.0	16.1	6.9	57
	March	3.00	5.9	0	0.0	8.9	2.8	69
	April	2.14	3.9	0	0.0	6.0	0.3	95
	Totals:	32.10	712.9	0	49.55	794.5	415.6	48

Mass Balance for SRP in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total		
2011	May	0.01	0.1	0	0.00	0.1	-	100
	June	0.03	0.1	0	0.00	0.2	-	100
	July	0.01	0.3	0	0.00	0.3	0.1	78
	August	0.02	0.3	0	0.09	0.4	0.6	-44
	September	0.11	0.1	0	0.12	0.4	0.3	15
	October	0.10	6.2	0	0.06	6.4	0.8	88
	November	0.03	5.6	0	0.20	5.9	0.7	88
	December	0.09	8.4	0	0.13	8.6	1.4	84
	January	0.01	0.8	0	0.06	0.8	0.1	88
	February	0.07	0.2	0	0.00	0.2	0.1	62
2012	March	0.38	0.1	0	0.00	0.5	0.0	92
	April	0.22	0.1	0	0.00	0.3	0.0	99
	Totals:	1.09	22.5	0	0.66	24.2	4.1	83

Mass Balance for Diss. Organic P in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW		
2011	May	0.05	0.1	0	0.00	0.1	100
	June	0.02	0.1	0	0.00	0.1	100
	July	0.02	0.1	0	0.00	0.1	70
	August	0.09	0.1	0	0.07	0.3	23
	September	0.05	0.0	0	0.08	0.2	40
	October	0.06	4.0	0	0.06	4.1	74
	November	0.02	1.6	0	0.19	1.8	49
	December	0.22	3.7	0	0.06	3.9	67
	January	0.02	0.4	0	0.06	0.4	72
	February	0.05	0.2	0	0.00	0.3	50
	March	0.07	0.1	0	0.00	0.2	34
	April	0.09	0.0	0	0.00	0.1	94
2012	Totals:	0.75	10.4	0	0.52	11.7	66

Mass Balance for Particulate P in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)				Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW		
2011	May	0.13	1.1	0	-	1.3	100
	June	0.05	1.3	0	-	1.3	100
	July	0.02	1.9	0	-	1.9	97
	August	0.05	3.0	0	-	3.1	90
	September	0.03	2.0	0	-	2.0	93
	October	0.02	13.0	0	-	13.0	87
	November	0.02	5.4	0	-	5.4	87
	December	0.04	12.4	0	-	12.4	82
	January	0.00	2.3	0	-	2.3	87
	February	0.03	1.1	0	-	1.1	93
	March	0.03	0.5	0	-	0.5	89
	April	0.05	0.3	0	-	0.4	98
2012	Totals:	0.46	44.3	0	0.00	44.7	88

Mass Balance for Total P in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total		
2011	May	0.20	1.4	0	0.0	1.6	-	100
	June	0.12	1.6	0	0.0	1.7	-	100
	July	0.07	2.4	0	0.0	2.5	0.2	91
	August	0.17	3.8	0	0.2	4.2	1.2	71
	September	0.30	2.2	0	0.2	2.7	0.6	79
	October	0.20	27.9	0	0.2	28.3	4.0	86
	November	0.08	12.9	0	0.5	13.4	2.9	78
	December	0.35	25.8	0	0.2	26.3	5.3	80
	January	0.04	3.6	0	0.1	3.7	0.5	86
	February	0.18	1.5	0	0.0	1.7	0.3	81
	March	0.50	0.8	0	0.0	1.3	0.3	81
	April	0.37	0.5	0	0.0	0.9	0.0	98
	Totals:	2.58	84.5	0	1.4	88.5	15.3	83
2012								

Mass Balance for TSS in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)
		Precip.	Site 3	Direct	GW	Total		
2011	May	21.10	509	0	-	530	-	100
	June	8.78	799	0	-	808	-	100
	July	5.69	484	0	-	489	5	99
	August	11.89	859	0	-	871	56	94
	September	8.32	499	0	-	507	34	93
	October	8.83	2,393	0	-	2,402	198	92
	November	3.53	696	0	-	699	170	76
	December	9.50	2,566	0	-	2,576	305	88
	January	1.14	807	0	-	808	41	95
	February	5.28	305	0	-	311	19	94
	March	14.55	132	0	-	146	9	94
	April	11.79	77	0	-	89	1	99
	Totals:	110.4	10,125	0	0.0	10,236	837	92
2012								

Mass Balance for BOD in Ponds 2-5 from May 2011 - April 2012

Year	Month	Mass Inputs (kg)					Losses (kg)	Mass Rem. (%)	
		Precip.	Site 3	Direct		GW			Total
2011	May	2.50	16.3	0	0.0	19	-	100	
	June	2.92	27.2	0	0.0	30	-	100	
	July	2.16	31.7	0	0.0	34	5	86	
	August	3.33	32.6	0	19.5	55	18	68	
	September	3.81	41.5	0	8.9	54	14	75	
	October	3.25	278	0	10.5	292	75	74	
	November	1.81	73.3	0	16.3	91	77	16	
	December	6.01	214	0	5.8	226	143	37	
2012	January	0.55	33.2	0	4.0	38	15	60	
	February	1.94	37.1	0	0.0	39	12	69	
	March	3.90	23.2	0	0.0	27	8	71	
	April	3.93	18.9	0	0.0	23	1	97	
	Totals:	36.11	828	0	65.0	929	367	60	

APPENDIX F

**LABORATORY QUALITY
ASSURANCE DATA**

- F.1 Precision**
- F.2 Accuracy**
- F.3 Control Standard Recovery**
- F.4 Continuing Calibration Verification**
- F.5 Method Blanks**

F.1 Precision

Sample Duplicate Recovery

for Tropical Farms collected from May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
pH	s.u.	11-2056	Rain Blank	05/18/11	05/18/11	05/20/11	5.66	5.67	5.67	0.01	0.28	0 - 0.7
pH	s.u.	11-2183	MW2	05/26/11	05/26/11	05/31/11	5.48	5.51	5.50	0.02	0.12	0 - 0.7
pH	s.u.	11-2191	MW8	05/26/11	05/26/11	05/31/11	6.19	6.2	6.20	0.01	0.39	0 - 0.7
pH	s.u.	11-2277	Site #5 Blank	06/02/11	06/02/11	06/06/11	5.58	5.57	5.58	0.01	0.11	0 - 0.7
pH	s.u.	11-2352	Site #5	6/2 6/8/11	6/2 6/8/11	06/11/11	7.65	7.63	7.64	0.01	0.13	0 - 0.7
pH	s.u.	11-2439	Rain	6/8 - 6/15/11	06/15/11	06/16/11	7.16	7.2	7.18	0.03	0.19	0 - 0.7
pH	s.u.	11-2594	MW1	06/23/11	06/23/11	06/29/11	5.71	5.68	5.70	0.02	0.39	0 - 0.7
pH	s.u.	11-2603	MW8	06/23/11	06/23/11	06/29/11	6.26	6.26	6.26	0.00	0.37	0 - 0.7
pH	s.u.	11-2759	Rain	6/15-7/1/11	07/01/11	07/11/11	5.86	5.9	5.88	0.03	0.00	0 - 0.7
pH	s.u.	11-2874	Site #3	7/1-7/13/11	07/13/11	07/15/11	7.86	7.89	7.88	0.02	0.48	0 - 0.7
pH	s.u.	11-2970	Rain	7/13-7/20/11	07/20/11	07/25/11	5.78	5.82	5.80	0.03	0.27	0 - 0.7
pH	s.u.	11-2981	MW8	07/20/11	07/20/11	07/26/11	6.81	6.78	6.80	0.02	0.49	0 - 0.7
pH	s.u.	11-3064	Site #6	7/20-7/26/11	07/26/11	08/01/11	7.84	7.82	7.83	0.01	0.31	0 - 0.7
pH	s.u.	11-3232	Site #5	7/26 - 8/3/11	08/03/11	08/12/11	7.56	7.59	7.58	0.02	0.18	0 - 0.7
pH	s.u.	11-3242	Rain Blank	08/03/11	08/03/11	08/12/11	5.65	5.64	5.65	0.01	0.28	0 - 0.7
pH	s.u.	11-3416	MW3	08/18/11	08/18/11	08/22/11	6.79	6.8	6.80	0.01	0.13	0 - 0.7
pH	s.u.	11-3423	MW8	08/18/11	08/18/11	08/22/11	7.22	7.22	7.22	0.00	0.10	0 - 0.7
pH	s.u.	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/30/11	7.65	7.61	7.63	0.03	0.00	0 - 0.7
pH	s.u.	11-3715	Site #3 Blank	09/07/11	09/07/11	9/9/011	5.61	5.62	5.62	0.01	0.37	0 - 0.7
pH	s.u.	11-3813	Rain	9/7 - 9/15/11	09/15/11	09/16/11	5.89	5.9	5.90	0.01	0.13	0 - 0.7
pH	s.u.	11-3858	MW4	09/20/11	09/20/11	09/22/11	6.65	6.67	6.66	0.01	0.12	0 - 0.7
pH	s.u.	11-3980	Site #3	9/20 - 9/29/11	09/29/11	10/03/11	7.45	7.48	7.47	0.02	0.21	0 - 0.7
pH	s.u.	11-4073	Site #6	9/29 - 10/5/11	10/05/11	10/07/11	7.48	7.47	7.48	0.01	0.09	0 - 0.7
pH	s.u.	11-4154	Site #3	10/5 - 10/12/11	10/12/11	10/17/11	7.10	7.07	7.09	0.02	0.30	0 - 0.7
pH	s.u.	11-4160	Rain F. D.	9/29 - 10/12/11	10/12/11	10/17/11	5.97	5.95	5.96	0.01	0.24	0 - 0.7
pH	s.u.	11-4233	Rain	10/12 - 10/20/11	10/20/11	10/24/11	5.95	5.96	5.96	0.01	0.12	0 - 0.7
pH	s.u.	11-4243	MW7	10/20/11	10/20/11	10/27/11	7.39	7.36	7.38	0.02	0.29	0 - 0.7
pH	s.u.	11-4313	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	6.85	6.89	6.87	0.03	0.41	0 - 0.7
pH	s.u.	11-4384	Site #2	10/20 - 11/3/11	11/03/11	11/07/11	7.30	7.31	7.31	0.01	0.10	0 - 0.7
pH	s.u.	11-4395	Site #6 Blank	11/03/11	11/03/11	11/07/11	5.61	5.62	5.62	0.01	0.13	0 - 0.7
pH	s.u.	11-4450	Site #6	11/3 - 11/9/11	11/09/11	11/10/11	7.51	7.48	7.50	0.02	0.28	0 - 0.7
pH	s.u.	11-4553	Rain	11/16 - 11/23/11	11/23/11	11/22/11	7.90	7.93	7.92	0.02	0.27	0 - 0.7

Sample Duplicate Recovery

for Tropical Farms collected from

May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
pH	s.u.	11-4556	Rain	11/16 - 11/23/11	11/23/11	11/22/11	6.05	6.07	6.06	0.01	0.23	0 - 0.7
pH	s.u.	11-4566	MW7	11/21/11	11/21/11	11/28/11	7.50	7.52	7.51	0.01	0.19	0 - 0.7
pH	s.u.	11-4656	Site #6 F.D.	11/21 - 12/1/11	12/01/11	12/05/11	7.72	7.7	7.71	0.01	0.18	0 - 0.7
pH	s.u.	11-4663	Rain Blank	12/01/11	12/01/11	12/05/11	5.63	5.68	5.66	0.04	0.63	0 - 0.7
pH	s.u.	11-4707	Site #6	12/1 - 12/8/11	12/08/11	12/12/11	7.82	7.8	7.81	0.01	0.18	0 - 0.7
pH	s.u.	11-4796	Site #5	12/8 - 12/15/11	12/15/11	12/19/11	7.20	7.22	7.21	0.01	0.20	0 - 0.7
pH	s.u.	11-4810	MW7	12/15/11	12/15/11	12/21/11	7.17	7.14	7.16	0.02	0.30	0 - 0.7
pH	s.u.	11-4811	MW8	12/15/11	12/15/11	12/21/11	7.89	7.93	7.91	0.03	0.36	0 - 0.7
pH	s.u.	12-0024	Site #4	12/30 - 1/4/12	01/04/12	01/10/12	7.70	7.73	7.72	0.02	0.30	0 - 0.7
pH	s.u.	12-0137	MW7	01/16/12	01/16/12	01/17/12	7.04	7.01	7.03	0.02	0.13	0 - 0.7
pH	s.u.	12-0146	Site #2 Blank	01/16/12	01/16/12	01/17/12	5.57	5.58	5.58	0.01	0.25	0 - 0.7
pH	s.u.	12-0151	Rain Blanks	01/16/12	01/16/12	01/17/12	5.64	5.66	5.65	0.01	0.27	0 - 0.7
pH	s.u.	12-0286	Site #6	1/16 - 1/27/12	01/27/12	01/30/12	7.91	7.94	7.93	0.02	0.27	0 - 0.7
pH	s.u.	12-0337	Site #4 Blank	02/03/12	02/03/12	02/07/12	5.57	5.55	5.56	0.01	0.25	0 - 0.7
pH	s.u.	12-0411	Site #6	2/3 - 2/9/12	02/09/12	02/13/12	7.69	7.65	7.67	0.03	0.37	0 - 0.7
pH	s.u.	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/12/12	6.12	6.09	6.11	0.02	0.35	0 - 0.7
pH	s.u.	12-0502	Site #8	02/15/12	02/15/12	02/17/12	6.99	6.97	6.98	0.01	0.20	0 - 0.7
pH	s.u.	12-0507	Site #6	2/9 - 2/15/12	02/15/12	02/17/12	7.80	7.84	7.82	0.03	0.36	0 - 0.7
pH	s.u.	12-0679	Site #4 Blank	03/01/12	03/01/12	03/05/12	5.57	5.58	5.58	0.01	0.13	0 - 0.7
pH	s.u.	12-0717	Site #6	3/1 - 3/6/12	03/06/12	03/07/12	7.73	7.8	7.77	0.05	0.64	0 - 0.7
pH	s.u.	12-0720	Site #6	3/1 - 3/6/12	03/06/12	03/07/12	7.56	7.53	7.55	0.02	0.24	0 - 0.7
pH	s.u.	12-0827	Rain	2/9 - 3/15/12	03/15/12	03/19/12	5.96	5.98	5.97	0.01	0.37	0 - 0.7
pH	s.u.	12-0836	MW6 F.D.	03/15/12	03/15/12	03/20/12	7.61	7.57	7.59	0.03	0.37	0 - 0.7
pH	s.u.	12-0838	MW8	03/15/12	03/15/12	03/20/12	7.59	7.63	7.61	0.03	0.34	0 - 0.7
pH	s.u.	12-0992	Rain	3/15 - 3/29/12	03/29/12	04/02/12	6.29	6.26	6.28	0.02	0.13	0 - 0.7
pH	s.u.	12-1057	Rain Blank	04/05/12	04/05/12	04/06/12	5.66	5.65	5.66	0.01	0.28	0 - 0.7
pH	s.u.	12-1092	Site #5	4/5 - 4/12/12	04/12/12	04/13/12	7.58	7.61	7.60	0.02	0.28	0 - 0.7
pH	s.u.	12-1160	MW 6 F.D.	04/19/12	04/19/12	04/20/12	7.03	7.06	7.05	0.02	0.30	0 - 0.7
pH	s.u.	12-1162	MW8	04/19/12	04/19/12	04/20/12	7.32	7.37	7.35	0.04	0.48	0 - 0.7
pH	s.u.	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/25/12	6.32	6.35	6.34	0.03	0.33	0 - 0.7
pH	s.u.	12-1211	Site 5 F.D.	4/24 - 5/1/12	05/01/12	05/03/12	7.46	7.5	7.48	0.03	0.38	0 - 0.7
pH	s.u.	12-1240	Site #4 Blank	05/09/12	05/09/12	05/10/12	5.65	5.68	5.67	0.02	0.37	0 - 0.7
pH	s.u.	12-1243	Rain	05/09/12	05/09/12	05/10/12	5.67	5.65	5.66	0.01	0.25	0 - 0.7
pH	s.u.	12-1261	Rain	5/9 - 5/16/12	05/16/12	05/17/12	6.37	6.32	6.35	0.04	0.56	0 - 0.7

Sample Duplicate Recovery

for Tropical Farms collected from May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
Alkalinity	mg/l	11-2056	Rain Blank	05/18/11	05/18/11	05/20/11	0.4	0.4	0	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2183	MW2	05/26/11	05/26/11	05/31/11	5.6	5	6	0.1	2.6	0 - 2.8
Alkalinity	mg/l	11-2191	MW8	05/26/11	05/26/11	05/31/11	75.6	76.2	76	0.4	0.6	0 - 2.8
Alkalinity	mg/l	11-2277	Site #5 Blank	06/02/11	06/02/11	06/06/11	0.4	0.4	0	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2352	Site #5	6/2 - 6/8/11	06/08/11	06/11/11	148	148.0	148	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2439	Rain	6/8 - 6/15/11	06/15/11	06/16/11	56.2	55.6	56	0.4	0.8	0 - 2.8
Alkalinity	mg/l	11-2594	MW1	06/23/11	06/23/11	06/29/11	16	16	16	0.3	1.8	0 - 2.8
Alkalinity	mg/l	11-2603	MW8	06/23/11	06/23/11	06/29/11	67.0	66.2	67	0.6	0.8	0 - 2.8
Alkalinity	mg/l	11-2759	Rain	6/15 - 7/1/11	07/01/11	07/11/11	4.2	4.2	4	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2874	Site #3	7/1 - 7/13/11	07/13/11	07/15/11	234.0	234.0	234	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2970	Rain	7/13 - 7/20/11	07/20/11	07/25/11	4.8	4.8	5	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-2981	MW8	07/20/11	07/20/11	07/26/11	117	116	117	0.7	0.6	0 - 2.8
Alkalinity	mg/l	11-3064	Site #6	7/20 - 7/26/11	07/26/11	08/01/11	190.0	191.0	191	0.7	0.4	0 - 2.8
Alkalinity	mg/l	11-3232	Site #5	7/26 - 8/3/11	08/03/11	08/12/11	143	143.0	143	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-3242	Rain Blank	08/03/11	08/03/11	08/12/11	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-3416	MW3	08/18/11	08/18/11	08/22/11	73.2	72.2	73	0.7	1.0	0 - 2.8
Alkalinity	mg/l	11-3422	MW8	08/18/11	08/18/11	08/22/11	215	216	216	0.7	0.3	0 - 2.8
Alkalinity	mg/l	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/30/11	150	150	150	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-3715	Site #3 Blank	09/07/11	09/07/11	09/09/11	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-3813	Rain	9/7 - 9/15/11	09/15/11	09/16/11	7.4	7.2	7	0.1	1.9	0 - 2.8
Alkalinity	mg/l	11-3858	MW4	09/20/11	09/20/11	09/22/11	129	128.0	129	0.7	0.6	0 - 2.8
Alkalinity	mg/l	11-3980	Site #3	9/20 - 9/29/11	09/29/11	10/03/11	260	259.0	260	0.7	0.3	0 - 2.8
Alkalinity	mg/l	11-4073	Site #6	9/29 - 10/5/11	10/05/11	10/07/11	179.0	180.0	180	0.7	0.4	0 - 2.8
Alkalinity	mg/l	11-4154	Site #3	10/5 - 10/12/11	10/12/11	10/17/11	109	108	109	0.7	0.7	0 - 2.8
Alkalinity	mg/l	11-4160	Rain F.D.	9/29 - 10/12/11	10/12/11	10/17/11	5	5	5	0.1	2.7	0 - 2.8
Alkalinity	mg/l	11-4233	Rain	10/12 - 10/20/11	10/20/11	10/24/11	3.2	3.2	3	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-4243	MW7	10/20/11	10/20/11	10/27/11	169	170.0	170	0.7	0.4	0 - 2.8
Alkalinity	mg/l	11-4313	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	92.2	93.0	93	0.6	0.6	0 - 2.8
Alkalinity	mg/l	11-4384	Site #2	10/20 - 11/3/11	11/03/11	11/07/11	118.0	119.0	119	0.7	0.6	0 - 2.8
Alkalinity	mg/l	11-4395	Site #6 Blank	11/03/11	11/03/11	11/07/11	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-4450	Site #6	11/3 - 11/9/11	11/09/11	11/10/11	160.0	158.0	159	1.4	0.9	0 - 2.8
Alkalinity	mg/l	11-4553	Site #5	11/16 - 11/22/11	11/22/11	11/22/11	134	135	135	0.7	0.5	0 - 2.8
Alkalinity	mg/l	11-4556	Rain	11/16 - 11/22/11	11/22/11	11/22/11	5.8	5.6	6	0.1	2.5	0 - 2.8

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Alkalinity	mg/l	11-4566	MW7	11/21/11	11/21/11	11/28/11	150	149	150	0.7	0.5	0 - 2.8
Alkalinity	mg/l	11-4656	Site #6 F.D.	11/21 - 12/1/11	12/01/11	12/05/11	141	141	141	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-4663	Rain Blank	12/01/11	12/01/11	12/05/11	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	11-4707	Site #6	12/1 - 12/8/11	12/08/11	12/12/11	154.0	155.0	155	0.7	0.5	0 - 2.8
Alkalinity	mg/l	11-4796	Site #5	12/8 - 12/15/11	12/15/11	12/19/11	124.0	123.0	124	0.7	0.6	0 - 2.8
Alkalinity	mg/l	11-4810	MW7	12/15/11	12/15/11	12/21/11	135	133.0	134	1.4	1.1	0 - 2.8
Alkalinity	mg/l	11-4811	MW8	12/15/11	12/15/11	12/21/11	296	298.0	297	1.4	0.5	0 - 2.8
Alkalinity	mg/l	12-0024	Site #4	12/30 - 1/4/12	01/04/12	01/10/12	125	126.0	126	0.7	0.6	0 - 2.8
Alkalinity	mg/l	12-0137	MW7	01/16/12	01/16/12	01/17/12	199	200.0	200	0.7	0.4	0 - 2.8
Alkalinity	mg/l	12-0146	Site #2 Blank	01/16/12	01/16/12	01/17/12	0	0	0	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0151	Rain Blank	01/16/12	01/16/12	01/17/12	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0286	Site #6	1/16 - 1/27/12	01/27/12	01/30/12	143	144.0	144	0.7	0.5	0 - 2.8
Alkalinity	mg/l	12-0337	Site #4 Blank	02/03/12	02/03/12	02/07/12	0.4	0.4	0	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0411	Site #6	2/3 - 2/9/12	02/09/12	02/13/12	135.0	137.0	136	1.4	1.0	0 - 2.8
Alkalinity	mg/l	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/13/12	3	3	3	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0502	Site #8	02/15/12	02/15/12	02/17/12	282	283	283	0.7	0.3	0 - 2.8
Alkalinity	mg/l	12-0507	Site #6	2/9 - 2/15/12	02/15/12	02/17/12	139	140.0	140	0.7	0.5	0 - 2.8
Alkalinity	mg/l	12-0679	Site #4 Blank	03/01/12	03/01/12	03/05/12	0.4	0.4	0	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0717	Site #6	3/1 - 3/6/12	03/06/12	03/07/12	269	271.0	270	1.4	0.5	0 - 2.8
Alkalinity	mg/l	12-0720	Site #6	3/1 - 3/6/12	03/06/12	03/07/12	138.0	139.0	139	0.7	0.5	0 - 2.8
Alkalinity	mg/l	12-0827	Rain	2/9 - 3/15/12	03/15/12	03/19/12	3.6	3.6	4	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-0836	MW6 F.D.	03/15/12	03/15/12	03/20/12	200.0	199.0	200	0.7	0.4	0 - 2.8
Alkalinity	mg/l	12-0838	MW8	03/15/12	03/15/12	03/20/12	248	249.0	249	0.7	0.3	0 - 2.8
Alkalinity	mg/l	12-0992	Rain	3/15 - 3/29/12	03/29/12	04/02/12	6.2	6.0	6	0.1	2.3	0 - 2.8
Alkalinity	mg/l	12-1057	Rain Blank	04/05/12	04/05/12	04/06/12	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-1092	Site #5	4/5 - 4/12/12	04/12/12	04/13/12	106	107.0	107	0.7	0.7	0 - 2.8
Alkalinity	mg/l	12-1160	MW 6 F.D.	04/19/12	04/19/12	04/20/12	280	282.0	281	1.4	0.5	0 - 2.8
Alkalinity	mg/l	12-1162	MW8	04/19/12	04/19/12	04/20/12	203.0	204.0	204	0.7	0.3	0 - 2.8
Alkalinity	mg/l	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/25/12	6.8	7	7	0.1	2.1	0 - 2.8
Alkalinity	mg/l	12-1211	Site 5 F.D.	4/24 - 5/1/12	05/01/12	05/03/12	118	120	119	1.4	1.2	0 - 2.8
Alkalinity	mg/l	12-1240	Site #4 Blank	05/09/12	05/09/12	05/10/12	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-1243	Rain	05/09/12	05/09/12	05/10/12	0.6	0.6	1	0.0	0.0	0 - 2.8
Alkalinity	mg/l	12-1261	Rain	5/9 - 5/16/12	05/16/12	05/17/12	6	6.2	6	0.1	2.3	0 - 2.8

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Spec. Cond.	µmho/cm	11-2049	Rain	5/12-5/18/11	05/18/11	06/03/11	53.6	53.4	54	0.1	0.3	0 - 2.8
Spec. Cond.	µmho/cm	11-2056	Rain Blank	05/15/11	05/15/11	06/03/11	2.3	2.3	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	11-2178	Site #3	5/18-5/26/11	05/26/11	06/03/11	648	644	646	2.8	0.4	0 - 2.8
Spec. Cond.	µmho/cm	11-2188	MW6	05/26/11	05/26/11	06/03/11	909	906.0	908	2.1	0.2	0 - 2.8
Spec. Cond.	µmho/cm	11-2191	MW8	05/26/11	05/26/11	06/03/11	318	317	318	0.7	0.2	0 - 2.8
Spec. Cond.	µmho/cm	11-2271	Site #5	5/26 - 6/2/11	06/02/11	06/29/11	648	653	651	3.5	0.5	0 - 2.8
Spec. Cond.	µmho/cm	11-2275	Site #3 Blank	06/02/11	06/02/11	06/29/11	2.3	2.3	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	11-2352	Site #5	6/2 - 6/8/11	06/08/11	06/29/11	635	628	632	4.9	0.8	0 - 2.8
Spec. Cond.	µmho/cm	11-2439	Rain	6/8 - 6/15/11	06/15/11	06/29/11	164	168	166	2.8	1.7	0 - 2.8
Spec. Cond.	µmho/cm	11-2595	MW2	06/23/11	06/23/11	07/18/11	384	378	381	4.2	1.1	0 - 2.8
Spec. Cond.	µmho/cm	11-2600	MW6	06/23/11	06/23/11	07/18/11	723	721	722	1.4	0.2	0 - 2.8
Spec. Cond.	µmho/cm	11-2759	Rain	6/15-7/1/11	07/01/11	07/25/11	33.3	34	33	0.2	0.6	0 - 2.8
Spec. Cond.	µmho/cm	11-2766	Rain Blank	07/01/11	07/01/11	07/25/11	2.1	2.1	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	11-2875	Site #4	7/7-7/3/11	07/03/11	07/25/11	506	505.0	506	0.7	0.1	0 - 2.8
Spec. Cond.	µmho/cm	11-2970	Rain	7/13 - 7/20/11	07/20/11	08/15/11	31.3	30.1	31	0.8	2.8	0 - 2.8
Spec. Cond.	µmho/cm	11-2981	MW8	07/20/11	07/20/11	08/15/11	328	324	326	2.8	0.9	0 - 2.8
Spec. Cond.	µmho/cm	11-3235	Rain	7/26 - 8/3/11	08/03/11	08/26/11	23.3	23	23	0.1	0.3	0 - 2.8
Spec. Cond.	µmho/cm	11-3412	Rain	8/11 - 8/18/11	08/18/11	08/30/11	19	18.7	19	0.2	1.1	0 - 2.8
Spec. Cond.	µmho/cm	11-3423	MW8	08/18/11	08/18/11	09/15/11	516	519	518	2.1	0.4	0 - 2.8
Spec. Cond.	µmho/cm	11-3712	Rain	8/18 - 9/7/11	09/07/11	09/28/11	47.6	47.3	47	0.2	0.4	0 - 2.8
Spec. Cond.	µmho/cm	11-3810	Site #4	9/7 - 9/15/11	09/15/11	09/28/11	507	506.0	507	0.7	0.1	0 - 2.8
Spec. Cond.	µmho/cm	11-3851	Site #5	9/15 - 9/20/11	09/20/11	09/28/11	455	455	455	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	11-3864	MW8 F.D.	09/20/11	09/20/11	09/28/11	835.0	839.0	837	2.8	0.3	0 - 2.8
Spec. Cond.	µmho/cm	11-4073	Site #6	9/29 - 10/5/11	10/05/11	10/26/11	520	518.0	519	1.4	0.3	0 - 2.8
Spec. Cond.	µmho/cm	11-4160	Rain F.D.	9/29 - 10/12/11	10/12/11	10/26/11	61.1	61.5	61	0.3	0.5	0 - 2.8
Spec. Cond.	µmho/cm	11-4231	Site #5	10/12 - 10/20/11	10/20/11	11/09/11	466	463	465	2.1	0.5	0 - 2.8
Spec. Cond.	µmho/cm	11-4313	Site #3	10/20 - 10/27/11	10/27/11	11/15/11	350	354.0	352	2.8	0.8	0 - 2.8
Spec. Cond.	µmho/cm	11-4392	Site #3 Rain Blank	11/03/11	11/03/11	11/15/11	2.2	2	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	11-4448	Site #4	11/3 - 11/9/11	11/09/11	11/15/11	372	374	373	1.4	0.4	0 - 2.8
Spec. Cond.	µmho/cm	11-4556	Rain	11/16 - 11/21/11	11/21/11	12/06/11	81.1	81.3	81	0.1	0.2	0 - 2.8
Spec. Cond.	µmho/cm	11-4567	MW8	11/21/11	11/21/11	12/06/11	752	747.0	750	3.5	0.5	0 - 2.8

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Spec. Cond.	µmho/cm	11-4802	MW1	12/15/11	12/15/11	01/13/12	239	236	238	2.1	0.9	0 - 2.8
Spec. Cond.	µmho/cm	12-0024	Site #4	12/30 - 1/4/12	01/04/12	01/25/12	407	404	406	2.1	0.5	0 - 2.8
Spec. Cond.	µmho/cm	12-0132	MW4	01/16/12	01/16/12	01/25/12	669	664	667	3.5	0.5	0 - 2.8
Spec. Cond.	µmho/cm	12-0138	MW8	01/16/12	01/16/12	01/25/12	708	702	705	4.2	0.6	0 - 2.8
Spec. Cond.	µmho/cm	12-0142	Site #5	1/4 - 1/16/12	01/16/12	01/25/12	409	405	407	2.8	0.7	0 - 2.8
Spec. Cond.	µmho/cm	12-0284	Site #4	1/16 - 1/27/12	01/27/12	02/08/12	422	425	424	2.1	0.5	0 - 2.8
Spec. Cond.	µmho/cm	12-0331	Site #5	1/27 - 2/3/12	02/03/12	02/08/12	394	392	393	1.4	0.4	0 - 2.8
Spec. Cond.	µmho/cm	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/20/12	52.6	52	52	0.4	0.8	0 - 2.8
Spec. Cond.	µmho/cm	12-0495	MW3	02/15/12	02/15/12	02/20/12	281	276	279	3.5	1.3	0 - 2.8
Spec. Cond.	µmho/cm	12-0679	Site #4 Blank	03/01/12	03/01/12	03/06/12	2.0	2.0	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	12-0682	Rain Blank	03/01/12	03/01/12	03/06/12	2.0	2.0	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	12-0827	Rain	2/9 - 3/15/12	03/15/12	04/02/12	56.4	55.8	56	0.4	0.8	0 - 2.8
Spec. Cond.	µmho/cm	12-0837	MW7	03/15/12	03/15/12	04/02/12	608	599	604	6.4	1.1	0 - 2.8
Spec. Cond.	µmho/cm	12-0992	Rain	3/15 - 3/29/12	03/29/12	04/16/12	44.6	45.4	45	0.6	1.3	0 - 2.8
Spec. Cond.	µmho/cm	12-1053	Site #3 Blank	04/05/12	04/05/12	04/16/12	2.0	2.0	2	0.0	0.0	0 - 2.8
Spec. Cond.	µmho/cm	12-1160	MW6 F.D.	04/19/12	04/19/12	04/26/12	606	612	609	4.2	0.7	0 - 2.8
Spec. Cond.	µmho/cm	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/26/12	48.5	48	48	0.5	1.0	0 - 2.8
Spec. Cond.	µmho/cm	12-1209	Site #4	04/30/12	04/30/12	05/03/12	591	596	594	3.5	0.6	0 - 2.8
Spec. Cond.	µmho/cm	12-1211	Site 5 F.D.	4/24 - 5/1/12	05/01/12	05/03/12	461	465	463	2.8	0.6	0 - 2.8
Spec. Cond.	µmho/cm	12-1241	Site #5 Blank	05/09/12	05/09/12	05/21/12	2.0	2.0	2	0.0	0.0	0 - 2.8

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Turbidity	NTU	11-2056	Rain Blank	05/18/11	05/18/11	05/19/11	0.1	0.1	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2180	Site #5	5/18-5/26/11	05/26/11	05/27/11	0.9	0.9	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2279	Rain Blank	06/02/11	06/02/11	06/03/11	0.1	0.1	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2352	Site #5	6/2-6/8/11	6/2-6/8/11	06/09/11	1.0	1.0	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2592	Site #5	6/15-6/23/11	06/23/11	06/24/11	1.5	1.4	1	0.0	2.5	0 - 3.7
Turbidity	NTU	11-2766	Rain Blank	07/01/11	07/01/11	07/03/11	0.1	0.1	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2808	Rain	7/1-7/7/11	07/07/11	07/08/11	0.9	0.9	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-2970	Rain	7/13-7/20/11	07/20/11	07/21/11	0.4	0.4	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3064	Site #6	7/20-7/26/11	07/26/11	07/27/11	0.8	0.8	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3234	Site #6 F.D.	7/26 - 8/3/11	08/03/11	08/04/11	1.0	1.0	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3242	Rain Blank	08/03/11	08/03/11	08/04/11	0.1	0.1	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3412	Rain	8/11 - 8/18/11	08/18/11	08/19/11	1.1	1.1	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/26/11	2.8	2.8	3	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3711	Site #6	09/06/11	09/06/11	09/08/11	5.8	5.7	6	0.1	1.2	0 - 3.7
Turbidity	NTU	11-3719	Rain	09/07/11	09/07/11	09/08/11	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3809	Site #3	9/7 - 9/15/11	09/15/11	09/16/11	20.3	20.0	20	0.2	1.1	0 - 3.7
Turbidity	NTU	11-3814	Rain F.D.	9/7 - 9/15/11	09/15/11	09/16/11	0.9	0.9	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3853	Site #6 F.D.	9/15 - 9/20/11	09/20/11	09/22/11	0.4	0.4	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-3984	Rain	9/15 - 9/29/11	09/29/11	09/30/11	0.5	0.5	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4080	Rain Blank	10/05/11	10/05/11	10/06/11	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4228	Site #2	10/12 - 10/20/11	10/20/11	10/21/11	86.4	87.8	87	1.0	1.1	0 - 3.7
Turbidity	NTU	11-4317	Site #6 F.D.	10/20 - 10/27/11	10/27/11	10/28/11	0.6	0.6	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4384	Site #2	10/20 - 11/3/11	11/03/11	11/04/11	67.0	65.9	66	0.8	1.2	0 - 3.7
Turbidity	NTU	11-4396	Rain Blank	11/03/11	11/03/11	11/04/11	0.3	0.3	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4450	Site #6	11/3 - 11/9/11	11/09/11	11/10/11	1.6	1.6	2	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4504	Site #2	11/3 - 11/16/11	11/16/11	11/18/11	158	161	160	2.1	1.3	0 - 3.7
Turbidity	NTU	11-4660	Site #4 Blank	12/01/11	12/01/11	12/01/11	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4660	Site #4 Blank	12/01/11	12/01/11	12/28/11	1.9	1.9	2	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4663	Rain Blank	12/01/11	12/01/11	12/01/11	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4707	Site #6	12/1 - 12/8/11	12/08/11	12/09/11	0.6	0.6	1	0.0	0.0	0 - 3.7
Turbidity	NTU	11-4907	Site #6	12/15 - 12/21/11	12/21/11	12/22/11	0.9	0.9	1	0.0	0.0	0 - 3.7

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for Tropical Farms collected from
May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
Turbidity	NTU	12-0024	Site #4	12/30 - 1/4/12	01/04/12	01/05/12	2.7	2.5	3	0.1	5.4	0 - 3.7
Turbidity	NTU	12-0026	Site #6	12/30 - 1/4/12	01/04/12	01/05/12	1.2	1.2	1	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0148	Site #4 Blank	01/16/12	01/16/12	01/18/12	0.3	0.3	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0286	Site #6	1/16 - 1/27/12	01/27/12	01/28/12	0.5	0.6	1	0.0	1.9	0 - 3.7
Turbidity	NTU	12-0338	Site #5 Blank	02/03/12	02/03/12	02/05/12	0.3	0.3	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0340	Rain Blank	02/03/12	02/03/12	02/05/12	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/10/12	1.6	1.5	2	0.1	4.6	0 - 3.7
Turbidity	NTU	12-0507	Site #6	2/9 - 2/15/12	02/15/12	02/17/12	0.7	0.7	1	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0679	Site #4 Blank	03/01/12	03/01/12	03/02/12	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0717	Site #3	3/1 - 3/6/12	03/06/12	03/08/12	6.5	6.3	6	0.1	2.2	0 - 3.7
Turbidity	NTU	12-0827	Rain	2/9 - 3/15/12	03/15/12	03/16/12	0.9	0.8	1	0.0	4.3	0 - 3.7
Turbidity	NTU	12-0915	Site #6	3/15 - 3/22/12	03/22/12	03/23/12	1.1	1.1	1	0.0	0.0	0 - 3.7
Turbidity	NTU	12-0992	Rain	3/15 - 3/29/12	03/29/12	03/30/12	2.0	1.8	2	0.1	5.9	0 - 3.7
Turbidity	NTU	12-1057	Rain Blank	04/05/12	04/05/12	04/06/12	0.2	0.2	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-1092	Site #5	4/5 - 4/12/12	04/12/12	04/13/12	1.7	1.8	2	0.1	4.0	0 - 3.7
Turbidity	NTU	12-1164	Site #5	4/12 - 4/19/12	04/19/12	04/20/12	1.9	2.0	2	0.1	3.6	0 - 3.7
Turbidity	NTU	12-1179	Site #3	4/12 - 4/24/12	04/24/12	04/24/12	4.1	4.0	4	0.1	1.7	0 - 3.7
Turbidity	NTU	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/24/12	2.5	2.5	3	0.0	0.0	0 - 3.7
Turbidity	NTU	12-1211	Site #5 F.D.	4/24 - 5/1/12	05/01/12	05/02/12	1.5	1.5	2	0.0	0.0	0 - 3.7
Turbidity	NTU	12-1241	Site #5 Blank	05/09/12	05/09/12	05/10/12	0.3	0.3	0	0.0	0.0	0 - 3.7
Turbidity	NTU	12-1243	Rain Blank	05/09/12	05/09/12	05/10/12	0.3	0.3	0	0.0	0.0	0 - 3.7

Sample Duplicate Recovery

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TSS	mg/l	11-2052	Site #3 Blank	05/18/11	05/18/11	05/23/11	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	11-2180	Site #5	5/18 - 5/26/11	05/26/11	06/01/11	3.7	4.3	4	0.4	10.6	0 - 13
TSS	mg/l	11-2279	Rain Blank	06/02/11	06/02/11	06/08/11	0.2	0.2	0	0.0	0.0	0 - 13
TSS	mg/l	11-2439	Rain Dup	6/8 - 6/15/11	06/15/11	06/15/11	2.0	2.3	2	0.2	9.9	0 - 13
TSS	mg/l	11-2592	Site #5	6/15 - 6/23/11	06/23/11	06/23/11	3.2	2.9	3	0.2	7.0	0 - 13
TSS	mg/l	11-2759	Rain	6/15 - 7/1/11	07/01/11	07/07/11	0.9	1	1	0.1	7.4	0 - 13
TSS	mg/l	11-2808	Rain	7/1 - 7/7/11	07/07/11	07/07/11	1.0	1.0	1	0.0	0.0	0 - 13
TSS	mg/l	11-2966	Site #4	7/13 - 7/20/11	07/20/11	07/25/11	3.9	4.3	4	0.3	6.9	0 - 13
TSS	mg/l	11-3235	Rain	7/20 - 8/3/11	08/03/11	08/09/11	1.4	1.6	2	0.1	9.4	0 - 13
TSS	mg/l	11-3242	Rain Blank	08/03/11	08/03/11	08/09/11	0.2	0.2	0	0.0	0.0	0 - 13
TSS	mg/l	11-3409	Site #4	8/11 - 8/18/11	08/18/11	08/22/11	1.7	1.9	2	0.1	7.9	0 - 13
TSS	mg/l	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/26/11	1.4	1.6	2	0.1	9.4	0 - 13
TSS	mg/l	11-3708	Site #4	8/25 - 9/7/11	09/07/11	09/08/11	1.6	1.7	2	0.1	4.3	0 - 13
TSS	mg/l	11-3719	Rain Blank	09/07/11	09/07/11	09/08/11	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	11-3980	Site #3	9/20 - 9/29/11	09/29/11	09/30/11	134	118	126	11.3	9.0	0 - 13
TSS	mg/l	11-4071	Site #4	9/29 - 10/5/11	10/05/11	10/09/11	0.8	0.9	1	0.1	8.3	0 - 13
TSS	mg/l	11-4080	Rain Blank	10/05/11	10/05/11	10/09/11	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	11-4233	Rain	10/12 - 10/20/11	10/20/11	10/25/11	1.8	1.7	2	0.1	4.0	0 - 13
TSS	mg/l	11-4384	Site #2	10/20 - 11/3/11	11/03/11	11/10/11	119	118	119	0.7	0.6	0 - 13
TSS	mg/l	11-4394	Site #5 Blank	11/03/11	11/03/11	11/10/11	0.4	0.4	0	0.0	0.0	0 - 13
TSS	mg/l	11-4504	Site #2	11/3 - 11/16/11	11/16/11	11/22/11	544	453	499	64.3	12.9	0 - 13
TSS	mg/l	11-4556	Rain	11/16 - 11/21/11	11/21/11	11/22/11	5.5	6.0	6	0.4	6.1	0 - 13
TSS	mg/l	11-4656	Site #6 F.D.	11/21 - 12/1/11	12/01/11	12/04/11	1.0	1.2	1	0.1	12.9	0 - 13
TSS	mg/l	11-4663	Rain Blank	12/01/11	12/01/11	12/04/11	0.4	0.4	0	0.0	0.0	0 - 13
TSS	mg/l	11-4707	Site #6	12/1 - 12/8/11	12/08/11	12/09/11	1.7	1.9	2	0.1	7.9	0 - 13
TSS	mg/l	11-4796	Site #5	12/8 - 12/15/11	12/15/11	12/21/11	3.0	2.7	3	0.2	7.4	0 - 13
TSS	mg/l	11-4907	Site #6	12/15 - 12/21/11	12/21/11	12/23/11	1.9	2.0	2	0.1	3.6	0 - 13
TSS	mg/l	12-0144	Site #6 F.D.	1/4 - 1/16/12	01/16/12	01/18/12	0.8	0.7	1	0.1	9.4	0 - 13
TSS	mg/l	12-0338	Site #5 Blank	02/03/12	02/03/12	02/09/12	0.4	0.4	0	0.0	0.0	0 - 13
TSS	mg/l	12-0670	Site #1	2/21 - 3/1/12	03/01/12	03/02/12	4.4	3.9	4	0.4	8.5	0 - 13
TSS	mg/l	12-0680	Site #5 Blank	03/01/12	03/01/12	03/02/12	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	12-0682	Rain Blank	03/01/12	03/01/12	03/02/12	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	12-1056	Site #6 Blank	04/05/12	04/05/12	04/12/12	0.4	0.4	0	0.0	0.0	0 - 13
TSS	mg/l	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/26/12	3.0	2.4	3	0.4	15.7	0 - 13
TSS	mg/l	12-1211	Site #5 F.D.	04/30/12	04/30/12	05/04/12	2.5	2.0	2	0.4	15.7	0 - 13
TSS	mg/l	12-1241	Site #5 Blank	05/09/12	05/09/12	05/14/12	0.3	0.3	0	0.0	0.0	0 - 13
TSS	mg/l	12-1243	Rain Blank	05/09/12	05/09/12	05/14/12	0.2	0.2	0	0.0	0.0	0 - 13

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BOD	mg/l	11-2055	Site #6 SB	05/18/11	05/18/11	05/30/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-2186	FCFB	05/26/11	05/26/11	05/30/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-2191	MW8	05/26/11	05/26/11	05/30/11	23.0	23.1	23	0.1	0.3	0 - 9
BOD	mg/l	11-2278	Site #6 SB	06/02/11	06/02/11	06/07/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-2279	Rain Eq. Blnk	06/02/11	06/02/11	06/07/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-2439	Rain	06/08-06/15/11	06/15/11	06/15/11	0.8	0.81	1	0.0	1.7	0 - 9
BOD	mg/l	11-2599	MW5	06/23/11	06/23/11	06/25/11	3.9	3.9	4	0.0	0.0	0 - 9
BOD	mg/l	11-2603	MW8	06/23/11	06/23/11	06/25/11	17.6	16.9	17	0.5	2.9	0 - 9
BOD	mg/l	11-2766	Rain Eq. Blnk	07/01/11	07/01/11	07/03/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-2808	Rain	07/01-07/07/11	07/07/11	07/08/11	0.5	0.5	1	0.0	0.0	0 - 9
BOD	mg/l	11-2877	Rain	07/07-07/13/11	07/13/11	07/14/11	0.7	0.8	1	0.0	3.7	0 - 9
BOD	mg/l	11-2970	Rain	07/13-7/20/11	07/20/11	07/22/11	0.4	0.44	0	0.0	6.7	0 - 9
BOD	mg/l	11-2981	MW8	07/20/11	07/20/11	07/22/11	2.8	2.8	3	0.0	0.0	0 - 9
BOD	mg/l	11-3064	Site #6	07/20-07/26/11	07/26/11	07/28/11	1.1	1.1	1	0.0	0.0	0 - 9
BOD	mg/l	11-3242	Rain Eq. Blnk	08/03/11	08/03/11	08/04/11	0	0	0	0.0	0.0	0 - 9
BOD	mg/l	11-3329	Rain	08/03-08/11/11	08/11/11	08/12/11	0.4	0.3	0	0.0	4.2	0 - 9
BOD	mg/l	11-3423	MW8	08/18/11	08/18/11	08/20/11	3.0	3.1	3	0.0	1.4	0 - 9
BOD	mg/l	11-3506	Site #6	08/18-08/25/11	08/25/11	08/26/11	0.6	0.6	1	0.0	0.0	0 - 9
BOD	mg/l	11-3719	Rain Eq. Blnk	09/07/11	09/07/11	09/09/11	0	0	0	0.0	0.0	0 - 9
BOD	mg/l	11-3814	Rain F.D.	09/07-09/15/11	09/15/11	09/16/11	1.1	1.1	1	0.0	1.9	0 - 9
BOD	mg/l	11-3864	MW8 F.D.	09/20/11	09/20/11	09/22/11	1	1	1	0.0	0.0	0 - 9
BOD	mg/l	11-3984	Rain	09/15-09/29/11	09/29/11	09/30/11	0.4	0.3	0	0.0	6.3	0 - 9
BOD	mg/l	11-4080	Rain Eq. Blnk	10/05/11	10/05/11	10/07/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-4160	Rain F.D.	09/29-10/12/11	10/12/11	10/14/11	0.6	0.6	1	0.0	0.0	0 - 9
BOD	mg/l	11-4244	MW8	10/20/11	10/20/11	10/21/11	1.9	1.9	2	0.0	0.0	0 - 9
BOD	mg/l	11-4317	Site #6 F.D.	10/20-10/27/11	10/27/11	10/29/11	0.7	0.7	1	0.0	0.0	0 - 9
BOD	mg/l	11-4396	Rain Eq. Blnk	11/03/11	11/03/11	11/04/11	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	11-4450	Site #6	11/03-11/09/11	11/09/11	11/11/11	0.8	0.8	1	0.0	0.0	0 - 9
BOD	mg/l	11-4567	MW8	11/21/11	11/21/11	11/22/11	0.6	0.6	1	0.0	0.0	0 - 9
BOD	mg/l	11-4663	Rain Eq. Blnk	12/01/11	12/01/11	12/02/11	0.0	0.0	0	0.0	0.0	0 - 9

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BOD	mg/l	11-4707	Site #6	12/01-12/08/11	12/08/11	12/10/11	0.5	0.5	1	0.0	0.0	0 - 9
BOD	mg/l	11-4811	MW8	12/15/11	12/15/11	12/17/11	0.4	0.4	0	0.0	0.0	0 - 9
BOD	mg/l	11-4907	Site #6	12/15-12/21/11	12/21/11	12/23/11	0.6	0.5	1	0.1	12.9	0 - 9
BOD	mg/l	11-4975	Site #6	12/21-12/30/11	12/30/11	12/30/11	1.1	1.1	1	0.0	0.0	0 - 9
BOD	mg/l	12-0026	Site 6	12/30-01/04/12	01/04/12	01/06/12	0.7	0.7	1	0.0	0.0	0 - 9
BOD	mg/l	12-0151	Rain Equipment Blank	01/16/12	01/16/12	01/18/12	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	12-0286	Site 6	01/16-01/27/12	01/27/12	01/29/12	1.0	1.1	1	0.1	5.0	0 - 9
BOD	mg/l	12-0340	Rain Equipment Blank	02/03/12	02/03/12	02/03/12	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	12-0413	Rain	02/03-02/09/12	02/09/12	02/10/12	2.1	2.1	2	0.0	0.5	0 - 9
BOD	mg/l	12-0507	Site 6	02/09-02/15/12	02/15/12	02/17/12	0.9	0.885	1	0.0	4.6	0 - 9
BOD	mg/l	12-0576	Site 6	02/15-02/21/12	02/21/12	02/23/12	0.7	0.7	1	0.0	0.0	0 - 9
BOD	mg/l	12-0682	Rain Equipment Blank	03/01/12	03/01/12	03/03/12	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	12-0838	MW8	03/15/12	03/15/12	03/17/12	0.8	0.7	1	0.0	0.1	0 - 9
BOD	mg/l	12-0915	Site 6	03/15-03/22/12	03/22/12	03/24/12	0.7	0.7	1	0.0	0.0	0 - 9
BOD	mg/l	12-0992	Rain	03/15-03/29/12	03/29/12	03/31/12	0.8	0.7	1	0.0	4.7	0 - 9
BOD	mg/l	12-1057	Rain Equipment Blank	04/05/12	04/05/12	04/06/12	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	12-1092	Site 5	04/05-04/12/12	04/12/12	04/12/12	2.9	3.2	3	0.2	7.0	0 - 9
BOD	mg/l	12-1164	Site 5	04/12-04/19/12	04/19/12	04/21/12	4.0	3.9	4	0.0	0.5	0 - 9
BOD	mg/l	12-1183	Rain	03/29-04/24/12	04/24/12	04/26/12	1.0	1.05	1	0.0	0.1	0 - 9
BOD	mg/l	12-1211	Site 5 F.D.	04/24-05/01/12	05/01/12	05/02/12	2.9	3.0	3	0.0	1.1	0 - 9
BOD	mg/l	12-1243	Rain Equipment Blank	05/09/12	05/09/12	05/11/12	0.0	0.0	0	0.0	0.0	0 - 9
BOD	mg/l	12-1260	Site 3	05/09-05/16/12	05/16/12	05/18/12	1.1	1.0	1	0.1	6.7	0 - 9

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SRP	µg/l	11-2049F	Rain	5/12/11 - 5/18/11	05/18/11	06/01/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2187F	MW5	05/26/11	05/26/11	06/02/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2277F	Site # 5 Sampler Blank	06/02/11	06/02/11	06/07/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2600F	Mw6	06/23/11	06/23/11	06/29/11	4	4	4	0.0	0.0	0 - 5.6
SRP	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2808F	Rain	7/1/11 - 7/7/11	07/07/11	07/11/11	29	29	29	0.0	0.0	0 - 5.6
SRP	µg/l	11-2877F	Rain	7/7/11 - 7/13/11	07/13/11	07/15/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-2969F	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	07/25/11	2.5	2	2	0.0	0.3	0 - 5.6
SRP	µg/l	11-2979F	MW 6 F.D.	07/20/11	07/20/11	07/25/11	5	4	4	0.0	0.2	0 - 5.6
SRP	µg/l	11-3062F	Site # 4	07/26/11	07/26/11	08/01/11	8	8	8	0.0	0.0	0 - 5.6
SRP	µg/l	11-3238F	Site # 3 Sampler Blank	08/03/11	08/03/11	08/18/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-3409F	Site # 4	8/11/11 - 8/18/11	08/18/11	08/23/11	1	2	1	0.0	0.5	0 - 5.6
SRP	µg/l	11-3419F	MW 5	08/18/11	08/18/11	08/23/11	8	8	8	0.0	0.0	0 - 5.6
SRP	µg/l	11-3709F	Site # 5	8/25/11 - 9/7/11	09/07/11	09/09/11	11	10	11	0.4	3.4	0 - 5.6
SRP	µg/l	11-3719F	Rain Equipment Blank	09/07/11	09/07/11	09/09/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-3812F	Site # 6	9/7/11 - 9/15/11	09/15/11	09/19/11	17	16	17	0.7	4.3	0 - 5.6
SRP	µg/l	11-3858F	MW 4	09/20/11	09/20/11	09/22/11	83	83	83	0.0	0.0	0 - 5.6
SRP	µg/l	11-4079F	Site # 6 Sampler Blank	10/05/11	10/06/11	10/10/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-4241F	MW 6	10/20/11	10/20/11	10/25/11	12	11	12	0.4	3.1	0 - 5.6
SRP	µg/l	11-4313F	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	123	126	125	2.1	1.7	0 - 5.6
SRP	µg/l	11-4384F	Site #2	10/20/11 - 11/3/11	11/03/11	11/04/11	70	72	71	1.4	2.0	0 - 5.6
SRP	µg/l	11-4394F	Site # 5 Sampler Blank	40850	11/03/11	11/04/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-4396F	Rain Equipment Blank	11/03/11	11/03/11	11/04/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-4450F	Site #6	11/3/11 - 11/9/11	11/09/11	11/14/11	9	8	9	0.4	4.1	0 - 5.6
SRP	µg/l	11-4552F	Site # 4	11/16/11 - 11/21/11	11/21/11	11/23/11	28.49	30.5	29	1.4	4.8	0 - 5.6
SRP	µg/l	11-4562F	FCFB	11/21/11	11/21/11	11/23/11	0.01	0.01	0	0.0	0.0	0 - 5.6
SRP	µg/l	11-4652F	Site # 3	11/21 - 12/1/11	12/01/11	12/02/11	51	50	51	0.7	1.4	0 - 5.6
SRP	µg/l	11-4663F	Rain Equipment Blank	12/01/11	12/01/11	12/02/11	5	6	6	0.2	3.9	0 - 5.6
SRP	µg/l	11-4707F	Site # 6	12/11/11 - 12/8/11	12/08/11	12/09/11	9	8	9	0.4	4.1	0 - 5.6
SRP	µg/l	11-4796F	Site # 5	12/8/11 - 12/15/11	12/15/11	12/16/11	17	19	18	0.7	4.0	0 - 5.6
SRP	µg/l	11-4806F	FCFB	12/15/11	12/15/11	12/16/11	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-0024F	Site # 4	12/30/11 - 1/4/12	01/04/12	01/06/12	16	17	16	0.0	0.0	0 - 5.6
SRP	µg/l	12-0131F	MW 3	01/16/12	01/16/12	01/18/12	0	0	0	0.0	0.0	0 - 5.6

Sample Duplicate Recovery

for Tropical Farms collected from May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
SRP	µg/l	12-0141F	Site # 4	1/4/12 - 1/16/12	01/16/12	01/18/12	2	2	2	0.0	0.0	0 - 5.6
SRP	µg/l	12-0151F	Rain Equipment Blank	01/16/12	01/16/12	01/18/12	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-0286F	Site # 6	01/27/12	01/27/12	01/27/12	4	4	4	0.0	0.0	0 - 5.6
SRP	µg/l	12-0338F	Site # 5 Sampler Blank	02/03/12	02/03/12	02/08/12	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-0413F	Rain	2/3/12 - 2/9/12	02/09/12	02/10/12	159	158	159	0.7	0.4	0 - 5.6
SRP	µg/l	12-0501F	MW 7	02/15/12	02/15/12	02/18/12	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-0573F	Site # 3	2/15/12 - 2/21/12	02/21/12	02/22/12	4	4	4	0.0	0.0	0 - 5.6
SRP	µg/l	12-0679F	Site # 4 Sampler Blank	03/01/12	03/01/12	03/02/12	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-0825F	Site # 6	3/6/12 - 3/15/12	03/15/12	03/16/12	7	7	7	0.0	0.0	0 - 5.6
SRP	µg/l	12-0835F	MW 6	03/15/12	03/15/12	03/16/12	11	12	11	0.0	0.1	0 - 5.6
SRP	µg/l	12-0990F	Site # 5	3/22/12 - 3/29/12	03/29/12	04/02/12	6	7	6	0.0	0.1	0 - 5.6
SRP	µg/l	12-1053F	Site # 3 Sampler Blank	04/05/12	04/05/12	04/06/12	0	0	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-1091F	Site # 4	4/5/12 - 4/12/12	04/12/12	04/17/12	1	1	1	0.0	0.0	0 - 5.6
SRP	µg/l	12-1164F	Site # 5	4/12/12 - 4/19/12	04/19/12	04/20/12	0	1	0	0.0	1.4	0 - 5.6
SRP	µg/l	12-1159F	MW 6	04/19/12	04/19/12	04/20/12	13	12	12	0.4	2.9	0 - 5.6
SRP	µg/l	12-1179F	Site # 3	4/12/12 - 4/24/12	04/24/12	04/25/12	6	7	6	0.0	0.1	0 - 5.6
SRP	µg/l	12-1183F	Rain	3/29/12 - 4/24/12	04/24/12	04/25/12	57	60	59	2.1	3.6	0 - 5.6
SRP	µg/l	12-1210F	Site # 5	4/24/12 - 5/1/12	05/02/12	05/02/12	4	5	0	0.0	0.0	0 - 5.6
SRP	µg/l	12-1243F	Rain Equipment Blank	05/09/12	05/09/12	05/11/12	0	0	0	0.0	0.0	0 - 5.6

Sample Duplicate Recovery

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PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
NOX-N	µg/l	11-2049F	Rain	5/12/11 - 5/18/11	05/18/11	06/01/11	256	266	261	7.1	2.7	0 - 4.7
NOX-N	µg/l	11-2187F	MW5	05/26/11	05/26/11	06/02/11	22	22	22	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2277F	Site # 5 Sampler Blank	06/02/11	06/02/11	06/07/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2600F	Mw6	06/23/11	06/23/11	06/29/11	9	8	8	0.4	4.3	0 - 4.7
NOX-N	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2808F	Rain	7/1/11 - 7/7/11	07/07/11	07/11/11	86	86	86	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2877F	Rain	7/7/11 - 7/13/11	07/13/11	07/15/11	150	146	148	2.8	1.9	0 - 4.7
NOX-N	µg/l	11-2969F	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	07/25/11	14	14	14	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-2979F	MW 6 F.D.	07/20/11	07/20/11	07/25/11	19	18	18	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-3062F	Site # 4	07/26/11	07/26/11	08/01/11	3	2	2	0.1	2.9	0 - 4.7
NOX-N	µg/l	11-3238F	Site # 3 Sampler Blank	08/03/11	08/03/11	08/18/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-3409F	Site # 4	8/11/11 - 8/18/11	08/18/11	08/23/11	1	1	1	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-3419F	MW 5	08/18/11	08/18/11	08/23/11	17	18	18	0.7	4.0	0 - 4.7
NOX-N	µg/l	11-3709F	Site # 5	8/25/11 - 9/7/11	09/07/11	09/09/11	98	93	96	3.5	3.7	0 - 4.7
NOX-N	µg/l	11-3719F	Rain Equipment Blank	40793	09/07/11	09/09/11	0.01	0.01	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-3812F	Site # 6	9/7/11 - 9/15/11	09/15/11	09/19/11	134	134	134	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-3858F	MW 4	09/20/11	09/20/11	09/22/11	4	3	3	0.1	2.0	0 - 4.7
NOX-N	µg/l	11-4079F	Site # 6 Sampler Blank	10/05/11	10/06/11	10/10/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4241F	MW 6	10/20/11	10/20/11	10/25/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4313F	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	412	417	415	3.5	0.9	0 - 4.7
NOX-N	µg/l	11-4384F	Site #2	10/20/11 - 11/3/11	11/03/11	11/04/11	297	296	297	0.7	0.2	0 - 4.7
NOX-N	µg/l	11-4394F	Site # 5 Sampler Blank	11/03/11	11/03/11	11/04/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4396F	Rain Equipment Blank	11/03/11	11/03/11	11/04/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4450F	Site #6	11/3/11 - 11/9/11	11/09/11	11/11/11	47	44	45	1.8	3.9	0 - 4.7
NOX-N	µg/l	11-4552F	Site # 4	11/16/11 - 11/21/11	11/21/11	11/23/11	5	4	4	0.1	1.6	0 - 4.7
NOX-N	µg/l	11-4562F	FCFB	11/21/11	11/21/11	11/23/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4652F	Site # 3	11/21 - 12/1/11	12/01/11	12/02/11	389	380	385	6.4	1.7	0 - 4.7
NOX-N	µg/l	11-4663F	Rain Equipment Blank	12/01/11	12/01/11	12/02/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	11-4707F	Site # 6	12/1/11 - 12/8/11	12/08/11	12/09/11	33	35	34	1.4	4.2	0 - 4.7
NOX-N	µg/l	11-4796F	Site # 5	12/8/11 - 12/15/11	12/15/11	12/16/11	4	3	3	0.1	2.0	0 - 4.7
NOX-N	µg/l	11-4806F	FCFB	12/15/11	12/15/11	12/16/11	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-0024F	Site # 4	12/30/11 - 1/4/12	01/04/12	01/06/12	2	3	2	0.0	0.3	0 - 4.7
NOX-N	µg/l	12-0131F	MW 3	01/16/12	01/16/12	01/18/12	133	136	134	1.4	1.1	0 - 4.7

Sample Duplicate Recovery

for Tropical Farms collected from May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
NOX-N	µg/l	12-0141F	Site # 4	1/4/12 - 1/16/12	01/16/12	01/18/12	4	5	4	0.0	0.2	0 - 4.7
NOX-N	µg/l	12-0151F	Rain Equipment Blank	01/16/12	01/16/12	01/18/12	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-0286F	Site # 6	01/27/12	01/27/12	01/27/12	35	37	36	0.7	2.0	0 - 4.7
NOX-N	µg/l	12-0338F	Site # 5 Sampler Blank	02/03/12	02/03/12	02/08/12	0	0	0	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-0413F	Rain	2/3/12 - 2/9/12	02/09/12	02/10/12	115	117	116	1.4	1.2	0 - 4.7
NOX-N	µg/l	12-0501F	MW 7	02/15/12	02/15/12	02/18/12	72	72	72	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-0573F	Site # 3	2/15/12 - 2/21/12	02/21/12	02/22/12	46	45	46	0.7	1.6	0 - 4.7
NOX-N	µg/l	12-0825F	Site # 6	3/6/12 - 3/15/12	03/15/12	03/16/12	28	26	27	1.1	4.0	0 - 4.7
NOX-N	µg/l	12-0835F	MW 6	03/15/12	03/15/12	03/16/12	7	6	6	0.1	2.2	0 - 4.7
NOX-N	µg/l	12-0990F	Site # 5	3/22/12 - 3/29/12	03/29/12	04/02/12	7	6	6	0.0	0.1	0 - 4.7
NOX-N	µg/l	12-1053F	Site # 3 Sampler Blank	04/05/12	04/05/12	04/06/12	2	1	1	0.0	0.5	0 - 4.7
NOX-N	µg/l	12-1091F	Site # 4	4/5/12 - 4/12/12	04/12/12	04/17/12	3	3	3	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-1164F	Site # 5	4/12/12 - 4/19/12	04/19/12	04/20/12	2	2	2	0.0	0.0	0 - 4.7
NOX-N	µg/l	12-1159F	MW 6	04/19/12	04/19/12	04/20/12	1	2	1	0.0	0.5	0 - 4.7
NOX-N	µg/l	12-1179F	Site # 3	4/12/12 - 4/24/12	04/24/12	04/25/12	11	10	10	0.4	3.4	0 - 4.7
NOX-N	µg/l	12-1183F	Rain	3/29/12 - 4/24/12	04/24/12	04/25/12	307	308	308	0.7	0.2	0 - 4.7
NOX-N	µg/l	12-1210F	Site # 5	4/24/12 - 5/1/12	05/02/12	05/02/12	3	2	2	0.0	0.3	0 - 4.7
NOX-N	µg/l	12-1243F	Rain Equipment Blank	05/09/12	05/09/12	05/11/12	0	1	0	0.0	1.4	0 - 4.7

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Ammonia	µg/l	11-2051P	Site # 2 Sampler Blank	05/18/11	05/18/11	06/24/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-2184P	MW3	05/26/11	05/26/11	06/27/11	1238	1386	1312	104.7	8.0	0 - 10
Ammonia	µg/l	11-2275P	Site # 3 Sampler Blank	06/02/11	06/02/11	06/27/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-2593P	PCEB	06/23/11	06/23/11	06/28/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-2603P	MW8	06/23/11	06/23/11	06/28/11	652	650	651	1.4	0.2	0 - 10
Ammonia	µg/l	11-2765P	Site # 6 Sampler Blank	07/01/11	07/01/11	07/13/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-2877P	Rain	7/7/11 - 7/13/11	07/13/11	07/29/11	301	299	300	1.4	0.5	0 - 10
Ammonia	µg/l	11-2969P	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	08/08/11	98	95	97	2.1	2.2	0 - 10
Ammonia	µg/l	11-2979P	MW 6 F.D.	07/20/11	07/20/11	08/08/11	178	181	180	2.1	1.2	0 - 10
Ammonia	µg/l	11-3238P	Site # 3 Sampler Blank	08/03/11	08/03/11	08/31/11	21	24	22	1.5	6.6	0 - 10
Ammonia	µg/l	11-3413P	PCEB	08/18/11	08/18/11	09/01/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-3423P	MW 8	08/18/11	08/18/11	09/01/11	211	187	199	17.0	8.5	0 - 10
Ammonia	µg/l	11-3710P	Site # 6	8/25/11 - 9/7/11	09/07/11	09/20/11	480	464	472	11.3	2.4	0 - 10
Ammonia	µg/l	11-3808P	Site # 2	9/7/11 - 9/15/11	09/15/11	09/20/11	61	59	60	1.4	2.4	0 - 10
Ammonia	µg/l	11-3852P	Site # 6	9/15/11 - 9/20/11	09/20/11	09/29/11	158	141	150	12.0	8.0	0 - 10
Ammonia	µg/l	11-3862P	MW 7	09/20/11	09/20/11	09/29/11	557	493	525	45.3	8.6	0 - 10
Ammonia	µg/l	11-4079P	Site # 6 Sampler Blank	10/05/11	10/06/11	10/14/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-4160P	Rain F.D.	9/29/11 - 10/12/11	10/12/11	11/02/11	76	80	78	2.8	3.6	0 - 10
Ammonia	µg/l	11-4233P	Rain	10/12/11 - 10/20/11	10/20/11	11/03/11	90	84	87	4.2	4.9	0 - 10
Ammonia	µg/l	11-4243P	MW 7	10/20/11	10/20/11	11/03/11	246	258	252	8.5	3.4	0 - 10
Ammonia	µg/l	11-4314P	Site #4	10/20 - 10/27/11	10/27/11	11/03/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-4384P	Site #2	10/20/11 - 11/3/11	11/03/11	11/16/11	33	35	34	1.4	4.2	0 - 10
Ammonia	µg/l	11-4447P	Site #3	11/3/11 - 11/9/11	11/09/11	11/16/11	169	159	164	7.1	4.3	0 - 10
Ammonia	µg/l	11-4394P	Site # 5 Sampler Blank	11/03/11	11/03/11	11/16/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-4553P	Site # 5	11/16/11 - 11/21/11	11/21/11	11/29/11	14	12	13	0.9	7.0	0 - 10
Ammonia	µg/l	11-4556P	Rain	11/16/11 - 11/21/11	11/21/11	11/29/11	80	79	80	0.7	0.9	0 - 10
Ammonia	µg/l	11-4566P	MW 7	11/21/11	11/21/11	12/08/11	519	501	510	12.7	2.5	0 - 10
Ammonia	µg/l	11-4660P	Site # 4 Sampler Blank	12/01/11	12/01/11	12/08/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-4796P	Site # 5	12/8/11 - 12/15/11	12/15/11	12/20/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	11-4806P	FCB	12/15/11	12/15/11	12/20/11	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0024P	Site # 4	12/30/11 - 1/4/12	01/04/12	01/17/12	18	19	18	0.0	0.0	0 - 10
Ammonia	µg/l	12-0129P	MW 1	01/16/12	01/16/12	01/18/12	18	16	17	0.7	4.2	0 - 10
Ammonia	µg/l	12-0139P	Site # 1	1/4/12 - 1/16/12	01/16/12	01/18/12	11	9	10	0.7	7.1	0 - 10

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PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
Ammonia	µg/l	12-0149P	Site # 5 Sampler Blank	01/16/12	01/16/12	01/18/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0338P	Site # 5 Sampler Blank	02/03/12	02/03/12	02/06/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0286P	Site # 6	01/27/12	01/27/12	02/06/12	3	3	3	0.0	0.0	0 - 10
Ammonia	µg/l	12-0411P	Site # 6	2/3/12 - 2/9/12	02/09/12	02/21/12	1	0	0	0.0	1.4	0 - 10
Ammonia	µg/l	12-0495P	MW 3	02/15/12	02/15/12	02/21/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0505P	Site # 4	2/9/12 - 2/15/12	02/15/12	02/21/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0574P	Site # 4	2/15/12 - 2/21/12	02/21/12	02/28/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0679P	Site # 4 Sampler Blank	03/01/12	03/01/12	03/05/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0825P	Site # 6	3/6/12 - 3/15/12	03/15/12	03/27/12	21	19	20	1.4	7.1	0 - 10
Ammonia	µg/l	12-0835P	MW 6	03/15/12	03/15/12	03/27/12	86	86	86	0.0	0.0	0 - 10
Ammonia	µg/l	12-1054P	Site # 4 Sampler Blank	04/05/12	04/05/12	04/06/12	0	0	0	0.0	0.0	0 - 10
Ammonia	µg/l	12-0988P	Site # 3	3/22/12 - 3/29/12	03/29/12	04/06/12	52	54	53	1.4	2.7	0 - 10
Ammonia	µg/l	12-1156P	MW 4	04/19/12	04/19/12	04/23/12	329	331	330	1.4	0.4	0 - 10
Ammonia	µg/l	12-1179P	Site # 3	4/12/12 - 4/24/12	04/24/12	04/26/12	25	27	26	0.7	2.7	0 - 10
Ammonia	µg/l	12-1209P	Site # 4	4/24/12 - 5/1/12	05/02/12	05/02/12	27	25	26	1.4	5.4	0 - 10
Ammonia	µg/l	12-1211P	Site # 5 F.D.	4/24/12 - 5/1/12	05/02/12	05/02/12	22	25	23	1.4	6.0	0 - 10
Ammonia	µg/l	12-1241P	Site # 5 Sampler Blank	05/09/12	05/09/12	05/30/12	0	0	0	0.0	0.0	0 - 10

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Total N	µg/l	11-2049p	Rain	5/12/11 - 5/18/11	05/18/11	10/25/11	1015	1065	1040	35.4	3.4	0 - 10
Total N	µg/l	11-2048fp	Site # 5	5/12/11 - 5/18/11	05/18/11	10/25/11	863	827	845	25.5	3.0	0 - 10
Total N	µg/l	11-2180fp	Site #5	5/18 - 5/26/11	05/26/11	10/31/11	595	574	585	14.8	2.5	0 - 10
Total N	µg/l	11-2190p	MW7	5/26/2011	5/26/2011	10/31/11	175	197	186	15.6	8.4	0 - 10
Total N	µg/l	11-2191p	MW8	5/26/2011	5/26/2011	10/31/11	174	184	179	7.1	4.0	0 - 10
Total N	µg/l	11-2275p	Site # 3 Sampler Blank	6/2/2011	6/2/2011	11/01/11	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-2274fp	Site # 2 Sampler Blank	06/02/11	06/02/11	11/01/11	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-2437fp	Site #4	6/8 - 6/15/11	06/15/11	11/01/11	1077	1067	1072	7.1	0.7	0 - 10
Total N	µg/l	11-2439fp	Rain	6/8 - 6/15/11	06/15/11	11/01/11	574	612	593	26.9	4.5	0 - 10
Total N	µg/l	11-2590p	Site #3	06/23/11	06/23/11	11/04/11	943	961	952	12.7	1.3	0 - 10
Total N	µg/l	11-2597p	MW4	06/23/11	06/23/11	11/04/11	264	269	267	3.5	1.3	0 - 10
Total N	µg/l	11-2763p	Site # 4 Sampler Blank	07/01/11	07/01/11	11/15/11	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-2762fp	Site # 3 Sampler Blank	07/01/11	07/01/11	11/15/11	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-2808fp	Rain	7/1/11 - 7/7/11	07/07/11	11/15/11	350	358	354	5.7	1.6	0 - 10
Total N	µg/l	11-2876p	Site # 5	7/7/11 - 7/13/11	7/13/2011	12/07/11	1449	1318	1384	92.6	6.7	0 - 10
Total N	µg/l	11-2969p	Site # 6 F.D.	7/13/11 - 7/20/11	7/20/2011	12/13/11	1129	1127	1128	1.4	0.1	0 - 10
Total N	µg/l	11-2972p	MW 1	7/20/2011	7/20/2011	12/13/11	572	582	577	7.1	1.2	0 - 10
Total N	µg/l	11-3061fp	Site # 3	7/26/2011	7/26/2011	12/13/11	1085	1019	1052	46.7	4.4	0 - 10
Total N	µg/l	11-3233p	Site # 6	7/26/11 - 8/3/11	8/3/2011	12/20/11	1311	1337	1324	18.4	1.4	0 - 10
Total N	µg/l	11-3229fp	Site # 2	7/20/11 - 7/26/11	8/3/2011	12/20/11	1096	1146	1121	35.4	3.2	0 - 10
Total N	µg/l	11-3239p	Site # 4 Sampler Blank	08/03/11	08/03/11	12/20/11	0.001	0.001	0	0.0	0.0	0 - 10
Total N	µg/l	11-3325p	Site # 3	8/3/11 - 8/11/11	08/11/11	12/28/11	1220	1259	1240	27.6	2.2	0 - 10
Total N	µg/l	11-3329fp	Rain	8/3/11 - 8/11/11	08/11/11	12/28/11	215	200	207	9.9	4.8	0 - 10
Total N	µg/l	11-3412p	Rain	8/11/11 - 8/18/11	08/18/11	01/04/12	49	47	48	1.4	2.9	0 - 10
Total N	µg/l	11-3416p	MW 3	08/18/11	08/18/11	01/04/12	1309	1327	1318	12.7	1.0	0 - 10
Total N	µg/l	11-3506fp	Site # 6	8/18/11 - 8/25/11	08/25/11	01/05/12	666	665	665	0.0	0.0	0 - 10
Total N	µg/l	11-3715p	Site # 3 Sampler Blank	09/07/11	09/07/11	01/10/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-3711fp	Site # 6 F.D.	8/25/11 - 9/7/11	09/07/11	01/10/12	633	672	653	27.6	4.2	0 - 10
Total N	µg/l	11-3810fp	Site # 4	9/7/11 - 9/15/11	09/15/11	01/13/12	573	559	566	9.9	1.7	0 - 10
Total N	µg/l	11-3852p	Site # 6	9/15/11 - 9/20/11	09/20/11	01/13/12	726	692	709	24.0	3.4	0 - 10
Total N	µg/l	11-3857p	MW 3	09/20/11	09/20/11	01/13/12	1457	1470	1464	9.2	0.6	0 - 10
Total N	µg/l	11-3984p	Rain	9/15-9/29/11	09/29/11	01/19/12	147	162	155	10.6	6.9	0 - 10
Total N	µg/l	11-4079p	Site # 6 Sampler Blank	10/05/11	10/05/11	01/23/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-4078fp	Site # 5 Sampler Blank	10/05/11	10/05/11	01/23/12	0	0	0	0.0	0.0	0 - 10

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Total N	µg/l	11-4160p	Rain F.D.	9/29/11 - 10/12/11	10/12/11	01/24/12	187	192	189	2.8	1.5	0 - 10
Total N	µg/l	11-4242p	MW 6 F.D.	10/20/11	10/20/11	01/27/12	1503	1533	1518	21.2	1.4	0 - 10
Total N	µg/l	11-4244p	MW 8	10/20/11	10/20/11	01/27/12	922	956	939	24.0	2.6	0 - 10
Total N	µg/l	11-4229fp	Site # 3	10/12/11 - 10/20/11	10/20/11	02/01/12	1044	1003	1024	29.0	2.8	0 - 10
Total N	µg/l	11-4315p	Site #5	10/20 - 10/27/11	10/27/11	02/03/12	660	700	680	28.3	4.2	0 - 10
Total N	µg/l	11-4386p	Site #4	10/27/11 - 11/3/11	11/03/11	02/07/12	595	598	596	1.4	0.2	0 - 10
Total N	µg/l	11-4396p	Rain Equipment Blank	11/03/11	11/03/11	02/07/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-4392fp	Site # 3 Sampler Blank	11/03/11	11/03/11	02/07/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-4449p	Site #5	11/3/11 - 11/9/11	11/09/12	02/08/12	625	638	632	9.2	1.5	0 - 10
Total N	µg/l	11-4505p	Site #3	11/9/11 - 11/16/11	11/16/11	02/12/12	1400	1439	1420	27.6	1.9	0 - 10
Total N	µg/l	11-4508fp	Site #6	11/9/11 - 11/16/11	11/16/11	02/12/12	845	827	836	12.7	1.5	0 - 10
Total N	µg/l	11-4509fp	Rain	11/3/11 - 11/16/11	11/16/11	02/12/12	534	518	526	11.3	2.2	0 - 10
Total N	µg/l	11-4552p	Site # 4	11/16/11 - 11/21/11	11/21/11	02/16/12	958	974	966	11.3	1.2	0 - 10
Total N	µg/l	11-4555fp	Site # 6 F.D.	11/16/11 - 11/21/11	11/21/11	02/16/12	871	854	863	12.0	1.4	0 - 10
Total N	µg/l	11-4565p	MW 6 F.D.	11/21/11	11/21/11	02/16/12	430	407	419	16.3	3.9	0 - 10
Total N	µg/l	11-4660p	Site # 4 Sampler Blank	12/01/11	12/01/11	02/23/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-4657fp	Site # 1 Sampler Blank	12/01/11	12/01/11	02/23/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	11-4706p	Site # 5	12/1/11 - 12/8/11	12/08/11	02/23/12	541	552	547	7.8	1.4	0 - 10
Total N	µg/l	11-4792fp	Site # 1	12/8/11 - 12/15/11	12/15/11	02/29/12	497	494	495	1.4	0.3	0 - 10
Total N	µg/l	11-4802p	MW 1	12/15/11	12/15/11	02/29/12	536	523	529	8.5	1.6	0 - 10
Total N	µg/l	11-4905p	Site # 4	12/21/11	12/21/11	03/01/12	647	629	638	12.7	2.0	0 - 10
Total N	µg/l	11-4975p	Site # 6	12/30/11	12/30/11	03/13/12	701	702	702	0.7	0.1	0 - 10
Total N	µg/l	12-0022fp	Site # 1	12/30/11 - 1/4/12	01/04/12	03/14/12	455	420	438	24.7	5.7	0 - 10
Total N	µg/l	12-0133p	FCFB	01/16/12	01/16/12	03/14/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0138p	MW 8	01/16/12	01/16/12	03/14/12	81	80	81	0.7	0.9	0 - 10
Total N	µg/l	12-0148p	Site # 4 Sampler Blank	01/16/12	01/16/12	03/15/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0145fp	Site # 1 Sampler Blank	01/16/12	01/16/12	03/15/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0284fp	Site # 1	01/27/12	01/27/12	04/03/12	124	113	118	7.1	6.0	0 - 10
Total N	µg/l	12-0286fp	Site # 6	01/27/12	01/27/12	04/03/12	140	139	140	0.7	0.5	0 - 10
Total N	µg/l	12-0338p	Site # 5 Sampler Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0336fp	Site # 3 Sampler Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0340fp	Rain Equipment Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0407fp	Site # 2	12/30/11 - 2/9/12	02/09/12	04/10/12	690	687	689	1.8	0.3	0 - 10

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Total N	µg/l	12-0493p	MW 1	02/15/12	02/15/12	04/10/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0503fp	Site # 1	2/9/12 - 2/15/12	02/15/12	04/17/12	856	864	860	5.7	0.7	0 - 10
Total N	µg/l	12-0507fp	Site # 6	2/9/12 - 2/15/12	02/15/12	04/17/12	1145	1073	1109	50.9	4.6	0 - 10
Total N	µg/l	12-0574p	Site # 4	2/15/12 - 2/21/12	02/21/12	04/20/12	599	587	593	8.5	1.4	0 - 10
Total N	µg/l	12-0679p	Site # 4 Sampler Blank	03/01/12	03/01/12	04/22/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0676fp	Site # 1 Sampler Blank	03/01/12	03/01/12	04/22/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-0718fp	Site # 4	3/1/12 - 3/6/12	03/06/12	04/22/12	136	138	137	1.4	1.0	0 - 10
Total N	µg/l	12-0720fp	Site # 6	3/1/12 - 3/6/12	03/06/12	04/22/12	131	141	136	7.1	5.2	0 - 10
Total N	µg/l	12-0821fp	Site # 2	2/9/12 - 3/15/12	03/15/12	04/25/12	482	482	482	0.0	0.0	0 - 10
Total N	µg/l	12-0831p	MW 3	03/15/12	03/15/12	04/25/12	113	113	113	0.0	0.0	0 - 10
Total N	µg/l	12-0987fp	Site # 2	3/15/12 - 3/29/12	03/29/12	04/26/12	422	425	423	1.4	0.3	0 - 10
Total N	µg/l	12-0991fp	Site # 6	3/22/12 - 3/29/12	03/29/12	04/26/12	32	33	32	0.0	0.0	0 - 10
Total N	µg/l	12-1056p	Site # 6 Sampler Blank	04/05/12	04/05/12	04/27/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1055fp	Site # 5 Sampler Blank	04/05/12	04/05/12	04/27/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1161p	MW 7	04/19/12	04/19/12	04/30/12	314	315	315	0.7	0.2	0 - 10
Total N	µg/l	12-1164p	Site # 5	4/12/12 - 4/19/12	04/19/12	04/30/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1179fp	Site # 3	4/12/12 - 4/24/12	04/24/12	05/02/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1211fp	Site # 5 F.D.	4/24/12 - 5/1/12	05/02/12	05/15/12	695	724	710	20.5	2.9	0 - 10
Total N	µg/l	12-1241p	Site # 5 Sampler Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1239fp	Site # 3 Sampler Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 10
Total N	µg/l	12-1243fp	Rain Equipment Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 10

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Total P	µg/l	11-2049p	Rain	5/12/11 - 5/18/11	05/18/11	10/25/11	76	75	76	0.7	0.9	0 - 6.6
Total P	µg/l	11-2048fp	Site # 5	5/12/11 - 5/18/11	05/18/11	10/25/11	9	10	10	0.4	4.4	0 - 6.6
Total P	µg/l	11-2180fp	Site #5	5/18 - 5/26/11	05/26/11	10/31/11	5	5	5	0.0	0.0	0 - 6.6
Total P	µg/l	11-2190p	MW7	05/26/11	05/26/11	10/31/11	18	18	18	0.0	0.0	0 - 6.6
Total P	µg/l	11-2191p	MW8	05/26/11	05/26/11	10/31/11	30	33	31	1.5	4.7	0 - 6.6
Total P	µg/l	11-2275p	Site # 3 Sampler Blank	06/02/11	06/02/11	11/01/11	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-2274fp	Site # 2 Sampler Blank	06/02/11	06/02/11	11/01/11	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-2437p	Site #4	6/8 - 6/15/11	06/15/11	11/01/11	13	13	13	0.0	0.0	0 - 6.6
Total P	µg/l	11-2439fp	Rain	6/8 - 6/15/11	06/15/11	11/01/11	29	29	29	0.0	0.0	0 - 6.6
Total P	µg/l	11-2590p	Site #3	06/23/11	06/23/11	11/04/11	94	101	97	4.3	4.4	0 - 6.6
Total P	µg/l	11-2597p	MW4	06/23/11	06/23/11	11/04/11	146	146	146	0.0	0.0	0 - 6.6
Total P	µg/l	11-2763p	Site # 4 Sampler Blank	07/01/11	07/01/11	11/15/11	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-2762fp	Site # 3 Sampler Blank	07/01/11	07/01/11	11/15/11	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-2808fp	Rain	7/1/11 - 7/7/11	07/07/11	11/15/11	30	33	31	1.5	4.7	0 - 6.6
Total P	µg/l	11-2876p	Site # 5	7/7/11 - 7/13/11	07/13/11	12/07/11	15	17	16	0.8	4.9	0 - 6.6
Total P	µg/l	11-2969p	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	12/13/11	38	37	37	0.1	0.2	0 - 6.6
Total P	µg/l	11-2972p	MW 1	07/20/11	07/20/11	12/13/11	15	16	15	0.1	0.5	0 - 6.6
Total P	µg/l	11-3061fp	Site # 3	07/26/11	07/26/11	12/13/11	30	30	30	0.0	0.0	0 - 6.6
Total P	µg/l	11-3233p	Site # 6	7/26/11 - 8/3/11	08/03/11	12/20/11	58	59	58	0.1	0.1	0 - 6.6
Total P	µg/l	11-3229fp	Site # 2	7/20/11 - 7/26/11	08/03/11	12/20/11	23	24	23	0.1	0.3	0 - 6.6
Total P	µg/l	11-3239p	Site # 4 Sampler Blank	08/03/11	08/03/11	12/20/11	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-3325p	Site # 3	8/3/11 - 8/11/11	08/11/11	12/28/11	105	100	102	2.9	2.8	0 - 6.6
Total P	µg/l	11-3329fp	Rain	8/3/11 - 8/11/11	08/11/11	12/28/11	11	10	10	0.1	0.7	0 - 6.6
Total P	µg/l	11-3412p	Rain	8/11/11 - 8/18/11	08/18/11	01/04/12	4	4	4	0.0	0.0	0 - 6.6
Total P	µg/l	11-3416p	MW 3	08/18/11	08/18/11	01/04/12	81	83	82	0.8	0.9	0 - 6.6
Total P	µg/l	11-3506fp	Site # 6	8/18/11 - 8/25/11	08/25/11	01/05/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-3715p	Site # 3 Sampler Blank	09/07/11	09/07/11	01/10/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-3711fp	Site # 6 F.D.	8/25/11 - 9/7/11	09/07/11	01/10/12	21	23	22	0.7	3.2	0 - 6.6
Total P	µg/l	11-3810fp	Site # 4	9/7/11 - 9/15/11	09/15/11	01/13/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-3852p	Site # 6	9/15/11 - 9/20/11	09/20/11	01/13/12	11	10	10	0.4	3.4	0 - 6.6
Total P	µg/l	11-3857p	MW 3	09/20/11	09/20/11	01/13/12	77	77	77	0.0	0.0	0 - 6.6
Total P	µg/l	11-3984p	Rain	9/15-9/29/11	09/29/11	01/19/12	54	54	54	0.0	0.0	0 - 6.6
Total P	µg/l	11-4079p	Site # 6 Sampler Blank	10/05/11	10/05/11	01/23/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4078fp	Site # 5 Sampler Blank	10/05/11	10/05/11	01/23/12	0	0	0	0.0	0.0	0 - 6.6

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for Tropical Farms collected from

May 2010 to May 2011

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
Total P	µg/l	11-4160p	Rain F.D.	9/29/11 - 10/12/11	10/12/11	01/24/12	31	31	31	0.0	0.0	0 - 6.6
Total P	µg/l	11-4242p	MW 6 F.D.	10/20/11	10/20/11	01/27/12	17	16	16	0.0	0.0	0 - 6.6
Total P	µg/l	11-4244p	MW 8	10/20/11	10/20/11	01/27/12	11	10	10	0.4	3.4	0 - 6.6
Total P	µg/l	11-4229fp	Site # 3	10/12/11 - 10/20/11	10/20/11	02/01/12	148	145	146	1.4	1.0	0 - 6.6
Total P	µg/l	11-4315p	Site #5	10/20 - 10/27/11	10/27/11	02/03/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4386p	Site #4	10/27/11 - 11/3/11	11/03/11	02/07/12	18	20	19	0.7	3.8	0 - 6.6
Total P	µg/l	11-4396p	Rain Equipment Blank	11/03/11	11/03/11	02/07/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4392fp	Site # 3 Sampler Blank	11/03/11	11/03/11	02/07/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4449p	Site #5	11/3/11 - 11/9/11	11/09/12	02/08/12	23	21	22	1.1	4.9	0 - 6.6
Total P	µg/l	11-4505p	Site #3	11/9/11 - 11/16/11	11/16/11	02/12/12	153	153	153	0.0	0.0	0 - 6.6
Total P	µg/l	11-4508fp	Site #6	11/9/11 - 11/16/11	11/16/11	02/12/12	30	27	28	1.8	6.3	0 - 6.6
Total P	µg/l	11-4509fp	Rain	11/3/11 - 11/16/11	11/16/11	02/12/12	144	148	146	2.1	1.5	0 - 6.6
Total P	µg/l	11-4552p	Site # 4	11/16/11 - 11/21/11	11/21/11	02/16/12	23	21	22	1.1	4.9	0 - 6.6
Total P	µg/l	11-4555fp	Site # 6 F.D.	11/16/11 - 11/21/11	11/21/11	02/16/12	5	6	5	0.0	0.1	0 - 6.6
Total P	µg/l	11-4565p	MW 6 F.D.	11/21/11	11/21/11	02/16/12	11	11	11	0.0	0.0	0 - 6.6
Total P	µg/l	11-4660p	Site # 4 Sampler Blank	12/01/11	12/01/11	02/23/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4657fp	Site # 1 Sampler Blank	12/01/11	12/01/11	02/23/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4706p	Site # 5	12/1/11 - 12/8/11	12/08/11	02/23/12	6	5	5	0.0	0.1	0 - 6.6
Total P	µg/l	11-4792fp	Site # 1	12/8/11 - 12/15/11	12/15/11	02/29/12	50	54	52	2.5	4.8	0 - 6.6
Total P	µg/l	11-4802p	MW 1	12/15/11	12/15/11	02/29/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	11-4905p	Site # 4	12/21/11	12/21/11	03/01/12	35	34	34	0.0	0.0	0 - 6.6
Total P	µg/l	11-4975p	Site # 6	12/30/11	12/30/11	03/13/12	9	9	9	0.0	0.0	0 - 6.6
Total P	µg/l	12-0022fp	Site # 1	12/30/11 - 1/4/12	01/04/12	03/14/12	31	35	35	2.1	6.2	0 - 6.6
Total P	µg/l	12-0133p	FCFB	01/16/12	01/16/12	03/14/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0138p	MW 8	01/16/12	01/16/12	03/14/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0148p	Site # 4 Sampler Blank	01/16/12	01/16/12	03/15/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0145fp	Site # 1 Sampler Blank	01/16/12	01/16/12	03/15/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0284fp	Site # 1	01/27/12	01/27/12	04/03/12	4	5	4	0.0	0.2	0 - 6.6
Total P	µg/l	12-0286fp	Site # 6	01/27/12	01/27/12	04/03/12	10	9	9	0.0	0.1	0 - 6.6
Total P	µg/l	12-0338p	Site # 5 Sampler Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0336fp	Site # 3 Sampler Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 6.6

Sample Duplicate Recovery

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PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	REPEAT 1	REPEAT 2	MEAN	s	% RELATIVE STD. DEVIATION (RSD)	ACCEPTANCE RANGE (% RSD)
Total P	µg/l	12-0340fp	Rain Equipment Blank	02/03/12	02/03/12	04/09/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0407fp	Site # 2	12/30/11 - 2/9/12	02/09/12	04/10/12	12	14	13	0.7	5.5	0 - 6.6
Total P	µg/l	12-0493p	MW 1	02/15/12	02/15/12	04/10/12	1	0	0	0.0	1.4	0 - 6.6
Total P	µg/l	12-0503fp	Site # 1	2/9/12 - 2/15/12	02/15/12	04/17/12	92	92	92	0.0	0.0	0 - 6.6
Total P	µg/l	12-0507fp	Site # 6	2/9/12 - 2/15/12	02/15/12	04/17/12	4	5	4	0.0	0.2	0 - 6.6
Total P	µg/l	12-0574p	Site # 4	2/15/12 - 2/21/12	02/21/12	04/20/12	34	38	36	2.1	5.9	0 - 6.6
Total P	µg/l	12-0679p	Site # 4 Sampler Blank	03/01/12	03/01/12	04/22/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0676fp	Site # 1 Sampler Blank	03/01/12	03/01/12	04/22/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-0718fp	Site # 4	3/1/12 - 3/6/12	03/06/12	04/22/12	17	16	16	0.0	0.0	0 - 6.6
Total P	µg/l	12-0720fp	Site # 6	3/1/12 - 3/6/12	03/06/12	04/22/12	17	17	17	0.0	0.0	0 - 6.6
Total P	µg/l	12-0821fp	Site # 2	2/9/12 - 3/15/12	03/15/12	04/25/12	14	16	15	0.7	4.8	0 - 6.6
Total P	µg/l	12-0831p	MW 3	03/15/12	03/15/12	04/25/12	15	17	16	0.7	4.5	0 - 6.6
Total P	µg/l	12-0987p	Site # 2	3/15/12 - 3/29/12	03/29/12	04/26/12	360	348	354	8.5	2.4	0 - 6.6
Total P	µg/l	12-0991fp	Site # 6	3/22/12 - 3/29/12	03/29/12	04/26/12	21	22	21	0.0	0.0	0 - 6.6
Total P	µg/l	12-1056p	Site # 6 Sampler Blank	04/05/12	04/05/12	04/27/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1055fp	Site # 5 Sampler Blank	04/05/12	04/05/12	04/27/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1161p	MW 7	04/19/12	04/19/12	04/30/12	171	171	171	0.0	0.0	0 - 6.6
Total P	µg/l	12-1164p	Site # 5	4/12/12 - 4/19/12	04/19/12	04/30/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1179fp	Site # 3	4/12/12 - 4/24/12	04/24/12	05/02/12	12	12	12	0.0	0.0	0 - 6.6
Total P	µg/l	12-1211fp	Site # 5 F.D.	4/24/12 - 5/1/12	05/02/12	05/15/12	12	11	11	0.0	0.1	0 - 6.6
Total P	µg/l	12-1241p	Site # 5 Sampler Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1239fp	Site # 3 Sampler Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1243fp	Rain Equipment Blank	05/09/12	05/09/12	05/15/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1211FP	Site # 5 F.D.	4/24/12 - 5/1/12	05/02/12	06/12/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1241P	Site # 5 Sampler Blank	05/09/12	05/09/12	06/12/12	0	0	0	0.0	0.0	0 - 6.6
Total P	µg/l	12-1239FP	Site # 3 Sampler Blank	05/09/12	05/09/12	06/12/12	0	0	0	0.0	0.0	0 - 6.6

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Color	PCU	11-2054F	Site #5 SB	05/18/11	05/18/11	05/27/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-2180F	Site #5	05/18-05/26/11	05/26/11	05/27/11	35	35	35	0.0	0.0	0-7
Color	PCU	11-2191F	MW 8	05/26/11	05/26/11	05/27/11	140	140	140	0.0	0.0	0-7
Color	PCU	11-2278F	Site #6 SB	06/02/11	06/02/11	06/04/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-2352F	Site #5	06/02-06/08/11	06/08/11	06/10/11	34	34	34	0.0	0.0	0-7
Color	PCU	11-2599F	MW 5	06/23/11	06/23/11	06/25/11	255	255	255	0.0	0.0	0-7
Color	PCU	11-2761F	Site #2 SB	07/01/11	07/01/11	07/02/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-2766F	Rain Equip. Blank	07/01/11	07/01/11	07/02/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-2973F	MW 2	07/20/11	07/20/11	07/22/11	281	281	281	0.0	0.0	0-7
Color	PCU	11-3234F	Site #6 F.D.	07/26-08/03/11	08/03/11	08/04/11	59	59	59	0.0	0.0	0-7
Color	PCU	11-3242F	Rain Equip. Blank	08/03/11	08/03/11	08/04/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-3329F	Rain	08/03-08/11/11	08/11/11	08/11/11	11	11	11	0.0	0.0	0-7
Color	PCU	11-3416F	MW 3	08/18/11	08/18/11	08/18/11	743	743	743	0.0	0.0	0-7
Color	PCU	11-3423F	MW 8	08/18/11	08/18/11	08/18/11	132	132	132	0.0	0.0	0-7
Color	PCU	11-3710F	Site #6	08/25-09/07/11	09/07/11	09/08/11	46	45	46	0.7	1.6	0-7
Color	PCU	11-3814F	Rain F.D.	09/07-09/15/11	09/15/11	09/16/11	7	7	7	0.0	0.0	0-7
Color	PCU	11-3854F	PCEB	09/20/11	09/20/11	09/21/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-3864F	MW 8 F.D.	09/20/11	09/20/11	09/21/11	139	139	139	0.0	0.0	0-7
Color	PCU	11-4079F	Site #6 SB	10/05/11	10/05/11	10/07/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-4156F	Site #5	10/05-10/12/11	10/12/11	10/12/11	41	41	41	0.0	0.0	0-7
Color	PCU	11-4160F	Rain F.D.	09/29-10/12/11	10/12/11	10/12/11	15	15	15	0.0	0.0	0-7
Color	PCU	11-4243F	MW 7	10/20/11	10/20/11	10/21/11	481	481	481	0.0	0.0	0-7
Color	PCU	11-4314F	Site #4	10/20-10/27/11	10/27/11	10/28/11	121	121	121	0.0	0.0	0-7
Color	PCU	11-4384F	Site #2	10/20-11/03/11	11/03/11	11/04/11	192	192	192	0.0	0.0	0-7
Color	PCU	11-4394F	Site #5 SB	11/03/11	11/03/11	11/04/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-4450F	Site #6	11/03-11/09/11	11/09/11	11/09/11	133	133	133	0.0	0.0	0-7
Color	PCU	11-4509F	Rain	11/03-11/16/11	11/16/11	11/16/11	6	6	6	0.0	0.0	0-7
Color	PCU	11-4559F	MW2	11/21/11	11/21/11	11/22/11	221	221	221	0.0	0.0	0-7
Color	PCU	11-4567F	MW8	11/21/11	11/21/11	11/22/11	102	102	102	0.0	0.0	0-7
Color	PCU	11-4660F	Site #4 SB	12/01/11	12/01/11	12/02/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-4663F	Rain Equip. Blank	12/01/11	12/01/11	12/02/11	0	0	0	0.0	0.0	0-7
Color	PCU	11-4706F	Site #5	12/01-12/08/11	12/08/11	12/08/11	126	126	126	0.0	0.0	0-7
Color	PCU	11-4707F	Site #6	12/01-12/08/11	12/08/11	12/08/11	123	123	123	0.0	0.0	0-7
Color	PCU	11-4793F	Site #2	11/16-12/15/11	12/15/11	12/15/11	129	125	127	2.8	2.2	0-7
Color	PCU	11-4803F	MW2	12/15/11	12/15/11	12/15/11	243	240	242	2.1	0.9	0-7

Sample Duplicate Recovery

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May 2010 to May 2011

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Color	PCU	11-4811F	MW8	12/15/11	12/15/11	12/15/11	87	87	87	0.0	0.0	0-7
Color	PCU	11-4907F	Site #6	12/15-12/21/11	12/21/11	12/21/11	92	92	92	0.0	0.0	0-7
Color	PCU	12-0024F	Site #4	12/30-01/04/12	01/04/12	01/05/12	95	95	95	0.0	0.0	0-7
Color	PCU	12-0026F	Site #6	12/30-01/04/12	01/04/12	01/05/12	82	82	82	0.0	0.0	0-7
Color	PCU	12-0137F	MW7	01/16/12	01/16/12	01/18/12	109	109	109	0.0	0.0	0-7
Color	PCU	12-0147F	Site #3 SB	01/16/12	01/16/12	01/18/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-0286F	Site #6	01/16-01/27/12	01/27/12	01/29/12	69	69	69	0.0	0.0	0-7
Color	PCU	12-0338F	Site #5 SB	02/03/12	02/03/12	02/03/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-0340F	Rain Equip. Blank	02/03/12	02/03/12	02/03/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-0413F	Rain	02/03-02/09/12	02/09/12	02/10/12	11	11	11	0.0	0.0	0-7
Color	PCU	12-0501F	MW7	02/15/12	02/15/12	02/17/12	109	109	109	0.0	0.0	0-7
Color	PCU	12-0507F	Site #6	02/09-02/15/12	02/15/12	02/17/12	62	62	62	0.0	0.0	0-7
Color	PCU	12-0574F	Site #4	02/15-02/21/12	02/21/12	02/23/12	66	66	66	0.0	0.0	0-7
Color	PCU	12-0675F	Site #6 F.D.	02/21-03/01/12	03/01/12	03/01/12	58	58	58	0.0	0.0	0-7
Color	PCU	12-0682F	Rain Equip. Blank	03/01/12	03/01/12	03/01/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-0717F	Site #3	03/01-03/06/12	03/06/12	03/08/12	47	47	47	0.0	0.0	0-7
Color	PCU	12-0829F	MW1	03/15/12	03/15/12	03/16/12	186	186	186	0.0	0.0	0-7
Color	PCU	12-0838F	MW8	03/15/12	03/15/12	03/16/12	122	119	121	2.1	1.8	0-7
Color	PCU	12-0915F	Site #6	03/15-03/22/12	03/22/12	03/23/12	54	54	54	0.0	0.0	0-7
Color	PCU	12-0992F	Rain	03/15-03/29/12	03/29/12	03/30/12	10	9	10	0.7	7.4	0-7
Color	PCU	12-1056F	Site #6 SB	04/05/12	04/05/12	04/06/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-1057F	Rain Equip. Blank	04/05/12	04/05/12	04/06/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-1092F	Site #5	04/05-04/12/12	04/12/12	04/12/12	51	51	51	0.0	0.0	0-7
Color	PCU	12-1160F	MW6 F.D.	04/19/12	04/19/12	04/20/12	113	109	111	2.8	2.5	0-7
Color	PCU	12-1164F	Site #5	04/12-04/19/12	04/19/12	04/20/12	48	48	48	0.0	0.0	0-7
Color	PCU	12-1179F	Site #3	04/12-04/24/12	04/24/12	04/25/12	51	50	51	0.7	1.4	0-7
Color	PCU	12-1183F	Rain	03/29-04/24/12	04/24/12	04/25/12	11	11	11	0.0	0.0	0-7
Color	PCU	12-1209F	Site #4	04/24-05/01/12	05/01/12	05/02/12	42	42	42	0.0	0.0	0-7
Color	PCU	12-1211F	Site #5 F.D.	04/24-05/01/12	05/01/12	05/02/12	47	47	47	0.0	0.0	0-7
Color	PCU	12-1241F	Site #5 SB	05/09/12	05/09/12	05/11/12	0	0	0	0.0	0.0	0-7
Color	PCU	12-1243F	Rain Equip. Blank	05/09/12	05/09/12	05/11/12	0	0	0	0.0	0.0	0-7

F.2 Accuracy

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
Alkalinity	mg/l	11-2191	MW8	05/26/11	05/26/11	05/31/11	75.6	50	1000	0.5	1	86	85	99%	91-105
Alkalinity	mg/l	11-2352	Site #5	6/2 - 6/8/11	06/08/11	06/11/11	148	50	1000	0.5	1	158	156	99%	91-105
Alkalinity	mg/l	11-2439	Rain	6/8 - 6/15/11	06/15/11	06/16/11	56.2	50	1000	0.5	1	66	65	99%	91-105
Alkalinity	mg/l	11-2603	MW8	06/23/11	06/23/11	06/29/11	67	50	1000	0.5	1	77	76	98%	91-105
Alkalinity	mg/l	11-2970	Rain	7/13 - 7/20/11	07/20/11	07/25/11	4.8	50	1000	0.4	1	13	12	96%	91-105
Alkalinity	mg/l	11-3064	Site #6	7/20 - 7/26/11	07/26/11	08/01/11	190	50	1000	0.4	1	198	198	100%	91-105
Alkalinity	mg/l	11-3242	Rain Blank	08/03/11	08/03/11	08/12/11	0.6	50	1000	0.4	1	9	8	98%	91-105
Alkalinity	mg/l	11-3423	MW8	08/18/11	08/18/11	08/22/11	215	50	1000	0.4	1	223	222	100%	91-105
Alkalinity	mg/l	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/30/11	150	50	1000	0.4	1	158	158	100%	91-105
Alkalinity	mg/l	11-3813	Rain	9/7 - 9/15/11	09/15/11	09/16/11	7.4	50	1000	0.4	1	15	16	103%	91-105
Alkalinity	mg/l	11-4073	Site #6	9/29 - 10/5/11	10/05/11	10/07/11	179	50	1000	0.6	1	191	190	99%	91-105
Alkalinity	mg/l	11-4154	Site #3	10/5 - 10/12/11	10/12/11	10/17/11	109	50	1000	0.6	1	121	121	100%	91-105
Alkalinity	mg/l	11-4233	Rain	10/12 - 10/20/11	10/20/11	10/24/11	3.2	50	1000	0.6	1	15	16	103%	91-105
Alkalinity	mg/l	11-4313	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	92.2	50	1000	0.6	1	104	104	100%	91-105
Alkalinity	mg/l	11-4395	Site #6 Blank	11/03/11	11/03/11	11/07/11	0.6	50	1000	0.6	1	13	13	103%	91-105
Alkalinity	mg/l	11-4450	Site #6	11/3 - 11/9/11	11/09/11	11/10/11	160	50	1000	0.6	1	172	172	100%	91-105
Alkalinity	mg/l	11-4553	Site #5	11/16 - 11/23/11	11/23/11	11/23/11	134	50	1000	0.6	1	146	147	101%	91-105
Alkalinity	mg/l	11-4663	Rain Blank	12/01/11	12/01/11	12/05/11	0.6	50	1000	0.6	1	13	13	103%	91-105
Alkalinity	mg/l	11-4811	MW8	12/15/11	12/15/11	12/21/11	296	50	1000	0.6	1	308	309	100%	91-105
Alkalinity	mg/l	11-4080	Rain Blank	10/05/11	10/05/11	10/07/11	0.4	50	1000	0.6	1	12	13	105%	91-105
Alkalinity	mg/l	12-0146	Site #2 Blank	01/16/12	01/16/12	01/17/12	0.4	50	1000	0.5	1	10	11	104%	91-105
Alkalinity	mg/l	12-0137	MW7	01/16/12	01/16/12	01/17/12	199	50	1000	0.5	1	209	209	100%	91-105
Alkalinity	mg/l	12-0286	Site #6	1/16 - 1/27/12	01/27/12	01/30/12	143	50	1000	0.5	1	153	154	101%	91-105
Alkalinity	mg/l	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/13/12	3.2	50	1000	0.5	1	13	13	97%	91-105
Alkalinity	mg/l	12-0507	Site #6	2/9 - 2/15/12	02/15/12	02/17/12	139	50	1000	0.5	1	149	148	99%	91-105
Alkalinity	mg/l	12-0720	Site #6	3/1 - 3/6/12	03/06/12	03/07/12	138	50	1000	0.5	1	148	149	101%	91-105
Alkalinity	mg/l	12-0827	Rain	2/9 - 3/15/12	03/15/12	03/19/12	3.6	50	1000	0.5	1	14	13	97%	91-105
Alkalinity	mg/l	12-0838	MW8	03/15/12	03/15/12	03/20/12	248	50	1000	0.5	1	258	259	100%	91-105
Alkalinity	mg/l	12-0992	Rain	3/15 - 3/29/12	03/29/12	04/02/12	6.2	50	1000	0.4	1	14	15	103%	91-105
Alkalinity	mg/l	12-1057	Rain Blank	04/05/12	04/05/12	04/09/12	0.6	50	1000	0.4	1	9	9	102%	91-105
Alkalinity	mg/l	12-1092	Site #5	4/5 - 4/12/12	04/12/12	04/13/12	106	50	1000	0.4	1	114	114	100%	91-105
Alkalinity	mg/l	12-1162	MW8	04/19/12	04/19/12	04/20/12	203	50	1000	0.4	1	211	211	100%	91-105
Alkalinity	mg/l	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/25/12	6.8	50	1000	0.4	1	15	15	104%	91-105
Alkalinity	mg/l	12-1211	Site #5 F.D.	4/24 - 5/1/12	05/01/12	05/03/12	118	50	1000	0.4	1	126	127	101%	91-105
Alkalinity	mg/l	12-1243	Rain	05/09/12	05/09/12	05/10/12	0.6	50	1000	0.4	1	9	9	104%	91-105
Alkalinity	mg/l	12-1261	Rain	5/9 - 5/16/12	05/16/12	05/17/12	6	50	1000	0.4	1	14	15	104%	91-105

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
Turbidity	NTU	11-2056	Rain Blank	05/18/11	05/18/11	05/19/11	0.1	50	4000	0.5	1	40.1	39.2	98%	87.4 - 110
Turbidity	NTU	11-2279	Rain Blank	06/02/11	06/02/11	06/03/11	0.1	50	4000	0.5	1	40.1	39.4	98%	87.4 - 110
Turbidity	NTU	11-2352	Site #5	6/2 - 6/8/11	06/08/11	06/09/11	1	50	4000	0.5	1	41	40.2	98%	87.4 - 110
Turbidity	NTU	11-2592	Site #3	6/15 - 6/23/11	06/23/11	06/24/11	1.5	50	4000	0.5	1	41.5	39.9	96%	87.4 - 110
Turbidity	NTU	11-2766	Rain Blank	07/01/11	07/01/11	07/03/11	0	50	4000	0.25	1	20	19.3	97%	87.4 - 110
Turbidity	NTU	11-2970	Rain	7/13 - 7/20/11	07/20/11	07/21/11	0.4	50	4000	0.25	1	20.4	19.4	95%	87.4 - 110
Turbidity	NTU	11-3064	Site #6	7/20 - 7/26/11	07/26/11	07/27/11	0.8	50	4000	0.25	1	20.8	19.3	93%	87.4 - 110
Turbidity	NTU	11-3242	Rain Blank	08/03/11	08/03/11	08/04/11	0.1	50	4000	0.25	1	20.1	19.1	95%	87.4 - 110
Turbidity	NTU	11-3412	Rain	8/11 - 8/18/11	08/18/11	08/19/11	1.1	50	4000	0.25	1	21.1	21.3	101%	87.4 - 110
Turbidity	NTU	11-3506	Site #6	8/18 - 8/25/11	08/25/11	08/26/11	2.8	50	4000	0.25	1	22.8	21.9	96%	87.4 - 110
Turbidity	NTU	11-3719	Rain Blank	09/07/11	09/07/11	09/08/11	0.2	50	4000	0.25	1	20.2	19.4	96%	87.4 - 110
Turbidity	NTU	11-3814	Rain F.D.	9/7 - 9/15/11	09/15/11	09/16/11	0.9	50	4000	0.25	1	20.9	19.9	95%	87.4 - 110
Turbidity	NTU	11-3853	Site #6 F.D.	9/15 - 9/20/11	09/20/11	09/22/11	0.4	50	4000	0.25	1	20.4	19.1	94%	87.4 - 110
Turbidity	NTU	11-3984	Rain	9/15 - 9/29/11	09/29/11	09/30/11	0.5	50	4000	0.25	1	20.5	18.9	92%	87.4 - 110
Turbidity	NTU	11-4396	Rain Blank	11/03/11	11/03/11	11/04/11	0.3	50	4000	0.5	1	40.3	40.6	101%	87.4 - 110
Turbidity	NTU	11-4450	Site #6	11/3 - 11/9/11	11/09/11	11/10/11	1.6	50	4000	0.5	1	41.6	43.1	104%	87.4 - 110
Turbidity	NTU	11-4663	Rain Blank	12/01/11	12/01/11	12/01/11	0.2	50	4000	0.5	1	40.2	40.6	101%	87.4 - 110
Turbidity	NTU	11-4707	Site #6	12/1 - 12/8/11	12/08/11	12/09/11	0.6	50	4000	0.5	1	40.6	41.4	102%	87.4 - 110
Turbidity	NTU	11-4907	Site #6	12/15 - 12/21/11	12/21/11	12/22/11	0.9	50	4000	0.5	1	40.9	39.8	97%	87.4 - 110
Turbidity	NTU	12-0026	Site #6	12/30 - 1/4/12	01/04/12	01/05/12	1.2	50	4000	0.125	1	11.2	10.8	96%	87.4 - 110
Turbidity	NTU	12-0286	Site #6	1/16 - 1/27/12	01/27/12	01/28/12	0.5	50	4000	0.125	1	10.5	10.1	96%	87.4 - 110
Turbidity	NTU	12-0340	Rain Blank	02/03/12	02/03/12	02/05/12	0.2	50	4000	0.125	1	10.2	9.7	95%	87.4 - 110
Turbidity	NTU	12-0413	Rain	2/3 - 2/9/12	02/09/12	02/10/12	1.6	50	4000	0.125	1	11.6	11.2	97%	87.4 - 110
Turbidity	NTU	12-0507	Site #6	2/9 - 2/15/12	02/15/12	02/17/12	0.7	50	4000	0.125	1	10.7	10.3	96%	87.4 - 110
Turbidity	NTU	12-0827	Rain	2/9 - 3/15/12	03/15/12	03/16/12	0.9	50	4000	0.125	1	10.9	11.6	106%	87.4 - 110
Turbidity	NTU	12-0915	Site #6	3/15 - 3/22/12	03/22/12	03/23/12	1.1	50	4000	0.125	1	11.1	11.2	101%	87.4 - 110
Turbidity	NTU	12-0992	Rain	3/15 - 3/29/12	03/29/12	03/30/12	2	50	4000	0.125	1	12	10.9	91%	87.4 - 110
Turbidity	NTU	12-1057	Rain Blank	04/05/12	04/05/12	04/06/12	0.2	50	4000	0.25	1	20.2	19.8	98%	87.4 - 110
Turbidity	NTU	12-1092	Site #5	4/5 - 4/12/12	04/12/12	04/13/12	1.7	50	4000	0.25	1	21.7	21.0	97%	87.4 - 110
Turbidity	NTU	12-1164	Site #5	4/12 - 4/19/12	04/19/12	04/20/12	1.9	50	4000	0.25	1	21.9	21.3	97%	87.4 - 110
Turbidity	NTU	12-1183	Rain	3/29 - 4/24/12	04/24/12	04/24/12	2.5	50	4000	0.25	1	22.5	20.0	89%	87.4 - 110
Turbidity	NTU	12-1211	Site 5F.D.	4/24 - 5/1/12	05/01/12	05/02/12	1.5	50	4000	0.25	1	21.5	20.2	94%	87.4 - 110

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
BOD	mg/l	11-2055	Tropical Farms Site #6 S	05/18/11	05/18/11	05/30/11	6	300	9900	6.0	1	204	175	86%	85-115
BOD	mg/l	11-2186	FCEB	05/26/11	05/26/11	05/30/11	7	300	9900	6.0	1	204.5	180	88%	85-115
BOD	mg/l	11-2278	Tropical Farms Site #6 S	06/02/11	06/02/11	06/07/11	4	300	9900	6.0	1	201.5	169	84%	85-115
BOD	mg/l	11-2279	Rain Equip. Blank	06/02/11	06/02/11	06/07/11	4	300	9900	6.0	1	201.5	173	86%	85-115
BOD	mg/l	11-2603	MW8	06/23/11	06/23/11	06/25/11	71	300	9900	6.0	1	268.5	240	89%	85-115
BOD	mg/l	11-2766	Rain Equip. Blank	07/01/11	07/01/11	07/03/11	6	300	9900	6.0	1	203.5	174	85%	85-115
BOD	mg/l	11-2808	Rain	07/01-07/07/11	07/07/11	07/08/11	16	300	9900	6.0	1	213.5	191	89%	85-115
BOD	mg/l	11-2877	Rain	07/01-07/13/11	07/13/11	07/14/11	26	300	9900	6.0	1	224	194	87%	85-115
BOD	mg/l	11-2970	Rain	07/13-07/20/11	07/20/11	07/22/11	15	300	9900	6.0	1	212.5	195	92%	85-115
BOD	mg/l	11-2981	MW8	07/20/11	07/20/11	07/22/11	12	300	9900	6.0	1	209.5	201	96%	85-115
BOD	mg/l	11-3064	Site #6	07/20-07/26/11	07/26/11	07/28/11	37	300	9900	6.0	1	234.5	205	87%	85-115
BOD	mg/l	11-3242	Rain Equip. Blank	08/03/11	08/03/11	08/04/11	2	300	9900	6.0	1	200	174	87%	85-115
BOD	mg/l	11-3329	Rain	08/03-08/11/11	08/11/11	08/12/11	11	300	9900	6.0	1	209	179	86%	85-115
BOD	mg/l	11-3423	MW8	08/18/11	08/18/11	08/20/11	52	300	9900	6.0	1	249.5	225	90%	85-115
BOD	mg/l	11-3506	Site #6	08/18-08/25/11	08/25/11	08/26/11	19	300	9900	6.0	1	217	208	96%	85-115
BOD	mg/l	11-3719	Rain Equip. Blank	09/07/11	09/07/11	09/09/11	7	300	9900	6.0	1	205	180	88%	85-115
BOD	mg/l	11-3814	Rain F.D.	09/07-09/15/11	09/15/11	09/16/11	38	300	9900	6.0	1	235.5	209	89%	85-115
BOD	mg/l	11-3864	MW8 F.D.	09/20/11	09/20/11	09/22/11	21	300	9900	6.0	1	218.5	209	95%	85-115
BOD	mg/l	11-3984	Rain	09/15-09/29/11	09/29/11	09/30/11	11	300	9900	6.0	1	208.5	181	87%	85-115
BOD	mg/l	11-4080	Rain Equip. Blank	10/05/11	10/05/11	10/07/11	7	300	9900	6.0	1	205	189	92%	85-115
BOD	mg/l	11-4160	Rain F.D.	09/29-10/12/11	10/12/11	10/14/11	21	300	9900	6.0	1	218.5	221	101%	85-115
BOD	mg/l	11-4244	MW8	10/20/11	10/20/11	10/21/11	47	300	9900	6.0	1	245	241	98%	85-115
BOD	mg/l	11-4317	Tropical Farms Site #6 F.D	10/20-10/27/11	10/27/11	10/29/11	22	300	9900	6.0	1	220	190	86%	85-115
BOD	mg/l	11-4396	Rain Equip. Blank	11/03/11	11/03/11	11/04/11	3	300	9900	6.0	1	201	187	93%	85-115
BOD	mg/l	11-4450	Site #6	11/03-11/09/11	11/09/11	11/11/11	27	300	9900	6.0	1	225	206	92%	85-115
BOD	mg/l	11-4567	MW8	11/21/11	11/21/11	11/22/11	16	300	9900	6.0	1	214	192	90%	85-115
BOD	mg/l	11-4663	Rain Equip. Blank	12/01/11	12/01/11	12/02/11	4	300	9900	6.0	1	202	176	87%	85-115
BOD	mg/l	11-4707	Site #6	12/01-12/08/11	12/08/11	12/10/11	17	300	9900	6.0	1	214.5	186	87%	85-115
BOD	mg/l	11-4811	MW8	12/15/11	12/15/11	12/17/11	10	300	9900	6.0	1	208	181	87%	85-115

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
BOD	mg/l	11-4907	Site #6	12/15-12/21/11	12/21/11	12/23/11	18	300	9900	6.0	1	216	227	105%	85-115
BOD	mg/l	11-4975	Site #6	12/21-12/30/11	12/30/11	12/30/11	35	300	9900	6.0	1	233	204	88%	85-115
BOD	mg/l	12-026	Site #6	12/30-01/04/12	01/04/12	01/06/12	22	300	9900	6.0	1	220	244	111%	85-115
BOD	mg/l	12-151	Rain Equip. Blank	01/16/12	01/16/12	01/18/12	6	300	9900	6.0	1	204	189	92%	85-115
BOD	mg/l	12-286	Site #6	01/16-01/27/12	01/27/12	01/29/12	37	300	9900	6.0	1	234.5	209	89%	85-115
BOD	mg/l	12-340	Rain Equip. Blank	2/3/12	2/3/12	2/3/12	7	300	9900	6.0	1	204.5	176	86%	85-115
BOD	mg/l	12-413	Rain	02/03-02/09/12	02/09/12	02/10/12	70	300	9900	6.0	1	267.5	263	98%	85-115
BOD	mg/l	12-507	Site #6	02/09-02/15/12	02/15/12	02/17/12	29.5	300	9900	6.0	1	227.5	239	105%	85-115
BOD	mg/l	12-576	Site #6	02/15-02/21/12	02/21/12	02/23/12	23	300	9900	6.0	1	221	211	95%	85-115
BOD	mg/l	12-682	Rain Equip. Blank	03/01/12	03/01/12	03/03/12	8	300	9900	6.0	1	205.5	177	86%	85-115
BOD	mg/l	12-838	MW8	03/15/12	03/15/12	03/17/12	12	300	9900	6.0	1	210	185	88%	85-115
BOD	mg/l	12-915	Site #6	03/15-03/22/12	03/22/12	03/24/12	22	300	9900	6.0	1	220	217	98%	85-115
BOD	mg/l	12-992	Rain	03/15-03/29/12	03/29/12	03/31/12	15	300	9900	6.0	1	212.5	197	93%	85-115
BOD	mg/l	12-1057	Rain Equip. Blank	04/05/12	04/05/12	04/06/12	6	300	9900	6.0	1	204	177	87%	85-115
BOD	mg/l	12-1092	Site #5	04/05-04/12/12	04/12/12	04/12/12	106	300	9900	6.0	1	303.5	320	105%	85-115
BOD	mg/l	12-1164	Site #5	04/12-04/19/12	04/19/12	04/21/12	132	300	9900	6.0	1	329.5	336	102%	85-115
BOD	mg/l	12-1183	Rain	03/29-04/24/12	04/24/12	04/26/12	35	300	9900	6.0	1	233	214	92%	85-115
BOD	mg/l	12-1211	Site #5 F.D.	04/24-05/01/12	05/01/12	05/02/12	98.5	300	9900	6.0	1	296.5	314	106%	85-115
BOD	mg/l	12-1243	Rain Equip. Blank	05/09/12	05/09/12	05/11/12	3	300	9900	6.0	1	201	191	95%	85-115
BOD	mg/l	12-1260	Site #3	05/09-05/16/12	05/16/12	05/18/12	37	300	9900	6.0	1	235	253	107%	85-115

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
SRP	µg/l	11-2277F	Site # 5 Sampler Blank	06/02/11	06/02/11	06/07/11	1	10	20000	0.050	1	101	103	102%	90-110
SRP	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	2	10	20000	0.060	1	122	127	104%	90-110
SRP	µg/l	11-2765F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	5	10	20000	0.050	1	105	114	109%	90-110
SRP	µg/l	11-2808F	Rain	7/1/11 - 7/7/11	07/07/11	07/11/11	29	10	10000	0.250	1	279	285	102%	90-110
SRP	µg/l	11-2877F	Rain	7/7/11 - 7/13/11	07/13/11	07/15/11	0	10	10000	0.250	1	250	268	107%	90-110
SRP	µg/l	11-2979F	MW 6 F.D.	07/20/11	07/20/11	07/25/11	5	10	10000	0.250	1	255	252	99%	90-110
SRP	µg/l	11-3238F	Site # 3 Sampler Blank	08/03/11	08/03/11	08/18/11	-3	10	10000	0.250	1	247	262	106%	90-110
SRP	µg/l	11-3409F	Site # 4	8/11/11 - 8/18/11	08/18/11	08/23/11	1	10	10000	0.250	1	251	262	104%	90-110
SRP	µg/l	11-3719F	Rain Equipment Blank	09/07/11	09/07/11	09/09/11	0	10	10000	0.250	1	250	248	99%	90-110
SRP	µg/l	11-3812F	Site # 6	9/7/11 - 9/15/11	09/15/11	09/19/11	17	10	10000	0.250	1	267	261	98%	90-110
SRP	µg/l	11-3858F	MW 4	09/20/11	09/20/11	09/22/11	83	10	10000	0.250	1	333	311	93%	90-110
SRP	µg/l	11-4241F	MW 6	10/20/11	10/20/11	10/25/11	12	10	10000	0.150	1	162	102	63%	90-110
SRP	µg/l	11-4313F	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	123	10	10000	0.150	1	273	283	104%	90-110
SRP	µg/l	11-4394F	Site # 4 Sampler Blank	11/03/11	11/03/11	11/04/11	3	10	10000	0.150	1	153	162	106%	90-110
SRP	µg/l	11-4396F	Rain Equipment Blank	11/03/11	11/03/11	11/04/11	-4	10	10000	0.150	1	146	156	107%	90-110
SRP	µg/l	11-4450F	Site #6	11/3/11 - 11/9/11	11/09/11	11/14/11	9	10	10000	0.150	1	159	174	109%	90-110
SRP	µg/l	11-4562F	FCEB	11/21/11	11/21/11	11/23/11	1	10	10000	0.150	1	151	150	99%	90-110
SRP	µg/l	11-4663F	Rain Equipment Blank	12/01/11	12/01/11	12/02/11	5	10	10000	0.150	1	155	154	99%	90-110
SRP	µg/l	11-4707F	Site # 6	12/1/11 - 12/8/11	12/08/11	12/09/11	9	10	10000	0.150	1	159	162	102%	90-110
SRP	µg/l	11-4806F	FCEB	12/15/11	12/15/11	12/16/11	0	10	10000	0.150	1	150	164	109%	90-110
SRP	µg/l	12-0024F	Site # 4	12/30/11 - 1/4/12	01/04/12	01/06/12	16	10	10000	0.100	1	116	114	98%	90-110
SRP	µg/l	12-0141F	Site # 4	1/4/12 - 1/16/12	01/16/12	01/18/12	2	10	3260	0.200	1	67	64	95%	90-110
SRP	µg/l	12-0286F	Site # 6	01/27/12	01/27/12	01/27/12	4	10	3260	0.200	1	69	66	95%	90-110
SRP	µg/l	12-0338F	Site # 5 Sampler Blank	02/03/12	02/03/12	02/08/12	0	10	10000	0.200	1	200	198	99%	90-110
SRP	µg/l	12-0413F	Rain	2/3/12 - 2/9/12	02/09/12	02/10/12	159	10	10000	0.200	1	359	361	101%	90-110
SRP	µg/l	12-0501F	MW 7	02/15/12	02/15/12	02/18/12	0	10	10000	0.200	1	200	190	95%	90-110
SRP	µg/l	12-0573F	Site # 3	2/15/12 - 2/21/12	02/21/12	02/22/12	4	10	10000	0.100	1	104	101	97%	90-110
SRP	µg/l	12-0835F	MW 6	03/15/12	03/15/12	03/16/12	11	10	10000	0.200	1	211	201	95%	90-110
SRP	µg/l	12-1164F	Site # 5	4/12/12 - 4/19/12	04/19/12	04/20/12	0	10	10000	0.100	1	100	98	98%	90-110
SRP	µg/l	12-1159F	MW 6	04/19/12	04/19/12	04/20/12	13	10	10000	0.100	1	113	107	95%	90-110
SRP	µg/l	12-1183F	Rain	3/29/12 - 4/24/12	04/24/12	04/25/12	57	10	10000	0.100	1	157	173	110%	90-110
SRP	µg/l	12-1210F	Site # 5	4/24/12 - 5/1/12	05/02/12	05/02/12	4	10	10000	0.100	1	104	94	90%	90-110
SRP	µg/l	12-1243F	Rain Equipment Blank	05/09/12	05/09/12	05/11/12	0	10	10000	0.100	1	100	99	99%	90-110

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
NOX-N	µg/l	11-2277F	Site # 5 Sampler Blank	06/02/11	06/02/11	06/07/11	0	10	100000	0.100	1	1000	1058	106%	90-110
NOX-N	µg/l	11-2705F	Site # 6 Sampler Blank	07/01/11	07/01/11	07/05/11	2	10	100000	0.100	1	1002	1072	107%	90-110
NOX-N	µg/l	11-2808F	Rain	7/1/11 - 7/7/11	07/07/11	07/11/11	86	10	100000	0.250	1	2586	2601	101%	90-110
NOX-N	µg/l	11-2877F	Rain	7/7/11 - 7/13/11	07/13/11	07/15/11	150	10	100000	0.250	1	2650	2562	97%	90-110
NOX-N	µg/l	11-2979F	MW 6 F.D.	07/20/11	07/20/11	07/25/11	19	10	100000	0.250	1	2519	2551	101%	90-110
NOX-N	µg/l	11-3238F	Site # 3 Sampler Blank	08/03/11	08/03/11	08/18/11	0	10	100000	0.250	1	2500	2571	103%	90-110
NOX-N	µg/l	11-3409F	Site # 4	8/11/11 - 8/18/11	08/18/11	08/23/11	1	10	100000	0.250	1	2501	2645	106%	90-110
NOX-N	µg/l	11-3719F	Rain Equipment Blank	09/07/11	09/07/11	09/09/11	0	10	10000	0.250	1	250	264	106%	90-110
NOX-N	µg/l	11-3812F	Site # 6	9/7/11 - 9/15/11	09/15/11	09/19/11	134	10	10000	0.250	1	384	387	101%	90-110
NOX-N	µg/l	11-3858F	MW 4	09/20/11	09/20/11	09/22/11	4	10	10000	0.250	1	254	260	102%	90-110
NOX-N	µg/l	11-4241F	MW 6	10/20/11	10/20/11	10/25/11	0	10	10000	1.000	1	1000	1043	104%	90-110
NOX-N	µg/l	11-4313F	Site #3	10/20 - 10/27/11	10/27/11	10/31/11	412	10	10000	0.150	1	562	560	100%	90-110
NOX-N	µg/l	11-4394F	Site # 4 Sampler Blank	11/03/11	11/03/11	11/04/11	22	10	10000	0.150	1	172	162	94%	90-110
NOX-N	µg/l	11-4396F	Rain Equipment Blank	11/03/11	11/03/11	11/04/11	0	10	10000	0.150	1	150	158	105%	90-110
NOX-N	µg/l	11-4450F	Site #6	11/3/11 - 11/9/11	11/09/11	11/11/11	47	10	10000	0.150	1	197	189	96%	90-110
NOX-N	µg/l	11-4562F	FCEB	11/21/11	11/21/11	11/23/11	0	10	10000	0.150	1	150	161	107%	90-110
NOX-N	µg/l	11-4707F	Site # 6	12/1/11 - 12/8/11	12/08/11	12/09/11	33	10	10000	0.150	1	183	199	109%	90-110
NOX-N	µg/l	11-4806F	FCEB	12/15/11	12/15/11	12/16/11	0	10	10000	0.150	1	150	143	95%	90-110
NOX-N	µg/l	12-0024F	Site # 4	12/30/11 - 1/4/12	01/04/12	01/06/12	2	10	10000	0.150	1	152	150	99%	90-110
NOX-N	µg/l	12-0141F	Site # 4	1/4/12 - 1/16/12	01/16/12	01/18/12	4	10	10000	0.200	1	204	208	102%	90-110
NOX-N	µg/l	12-0286F	Site # 6	01/27/12	01/27/12	01/27/12	35	10	10000	0.200	1	235	234	100%	90-110
NOX-N	µg/l	12-0338F	Site # 5 Sampler Blank	02/03/12	02/03/12	02/08/12	0	10	10000	0.200	1	200	192	96%	90-110
NOX-N	µg/l	12-0413F	Rain	2/3/12 - 2/9/12	02/09/12	02/10/12	115	10	10000	0.200	1	315	314	100%	90-110
NOX-N	µg/l	12-0501F	MW 7	02/15/12	02/15/12	02/18/12	24	10	10000	0.200	1	224	237	106%	90-110
NOX-N	µg/l	12-0573F	Site # 3	2/15/12 - 2/21/12	02/21/12	02/22/12	46	10	10000	0.200	1	246	251	102%	90-110
NOX-N	µg/l	12-0835F	MW 6	03/15/12	03/15/12	03/16/12	7	10	10000	0.200	1	207	208	100%	90-110
NOX-N	µg/l	12-1164F	Site # 5	4/12/12 - 4/19/12	04/19/12	04/20/12	2	10	10000	0.100	1	102	96	94%	90-110
NOX-N	µg/l	12-1159F	MW 6	04/19/12	04/19/12	04/20/12	1	10	10000	0.100	1	101	97	96%	90-110
NOX-N	µg/l	12-1183F	Rain	3/29/12 - 4/24/12	04/24/12	04/25/12	307	10	10000	0.100	1	407	397	98%	90-110
NOX-N	µg/l	12-1210F	Site # 5	4/24/12 - 5/1/12	05/02/12	05/02/12	3	10	10000	0.100	1	103	100	97%	90-110

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PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
Total N	µg/l	11-2048fp	Site # 5	5/12/11 - 5/18/11	05/18/11	10/25/11	863	5	10000	0.150	1	1163	1091	107%	90-110
Total N	µg/l	11-2190p	MW7	05/26/11	05/26/11	10/31/11	175	5	10000	0.150	1	475	442	107%	90-110
Total N	µg/l	11-2191p	MW8	05/26/11	05/26/11	10/31/11	174	5	10000	0.150	1	474	444	107%	90-110
Total N	µg/l	11-2275p	Site # 3 Sampler Blank	06/02/11	06/02/11	11/01/11	0	5	10000	0.150	1	300	313	96%	90-110
Total N	µg/l	11-2437fp	Site #4	6/8 - 6/15/11	06/15/11	11/01/11	1077	5	10000	0.150	1	1377	1274	108%	90-110
Total N	µg/l	11-2439fp	Rain	6/8 - 6/15/11	06/15/11	11/01/11	574	5	10000	0.150	1	874	895	98%	90-110
Total N	µg/l	11-2590p	Site #3	06/23/11	06/23/11	11/04/11	943	5	10000	0.150	1	1243	1272	98%	90-110
Total N	µg/l	11-2762fp	Site # 3 Sampler Blank	07/01/11	07/01/11	11/15/11	0	5	10000	0.150	1	300	320.5	94%	90-110
Total N	µg/l	11-2808fp	Rain	7/1/11 - 7/7/11	07/07/11	11/15/11	350	5	10000	0.150	1	650	618	105%	90-110
Total N	µg/l	11-2969p	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	12/13/11	1129	5	10000	0.150	1	1429	1482	96%	90-110
Total N	µg/l	11-3061fp	Site # 3	07/26/11	07/26/11	12/13/11	1085	5	10000	0.150	1	1385	1382	100%	90-110
Total N	µg/l	11-3229fp	Site # 2	7/20/11 - 7/26/11	08/03/11	12/20/11	1096	5	10000	0.150	1	1396	1422	98%	90-110
Total N	µg/l	11-3412p	Rain	8/1/11 - 8/18/11	08/18/11	01/04/12	49	5	10000	0.150	1	349	379	92%	90-110
Total N	µg/l	11-3506fp	Site # 6	8/18/11 - 8/25/11	08/25/11	01/05/12	666	5	10000	0.150	1	966	958	101%	90-110
Total N	µg/l	11-3715p	Site # 3 Sampler Blank	09/07/11	09/07/11	01/10/12	0	5	10000	0.150	1	300	308	97%	90-110
Total N	µg/l	11-3857p	MW 3	09/20/11	09/20/11	01/13/12	1457	5	10000	0.200	1	1857	1824	98%	90-110
Total N	µg/l	11-3984p	Rain	9/15-9/29/11	09/29/11	01/19/12	147	5	10000	0.200	1	547	526	96%	90-110
Total N	µg/l	11-4078fp	Site # 5 Sampler Blank	10/05/11	10/05/11	01/23/12	0	5	10000	0.200	1	400	401	100%	90-110
Total N	µg/l	11-4242p	MW 6 F.D.	10/20/11	10/20/11	01/27/12	1503	5	10000	0.200	1	1903	1938	102%	90-110
Total N	µg/l	11-4244p	MW 8	10/20/11	10/20/11	01/27/12	922	5	10000	0.200	1	1322	1324	100%	90-110
Total N	µg/l	11-4396p	Rain Equipment Blank	11/03/11	11/03/11	02/07/12	0	5	10000	0.200	1	400	415	104%	90-110
Total N	µg/l	11-4449p	Site #5	11/3/11 - 11/9/11	11/09/12	02/08/12	625	5	10000	0.200	1	1025	1035	101%	90-110
Total N	µg/l	11-4508fp	Site #6	11/9/11 - 11/16/11	11/16/11	02/12/12	845	5	10000	0.200	1	1245	1293	104%	90-110
Total N	µg/l	11-4509fp	Rain	11/3/11 - 11/16/11	11/16/11	02/12/12	534	5	10000	0.200	1	934	914	98%	90-110
Total N	µg/l	11-4552p	Site # 4	11/16/11 - 11/21/11	11/21/11	02/16/12	958	5	10000	0.200	1	1358	1361	100%	90-110
Total N	µg/l	11-4565p	MW 6 F.D.	11/21/11	11/21/11	02/16/12	430	5	10000	0.200	1	830	802	97%	90-110
Total N	µg/l	11-4657fp	Site # 1 Sampler Blank	12/01/11	12/01/11	02/23/12	0	5	10000	0.200	1	400	406	101%	90-110
Total N	µg/l	11-4802p	MW 1	12/15/11	12/15/11	02/29/12	536	5	10000	0.200	1	936	947	101%	90-110
Total N	µg/l	11-4975p	Site # 6	12/30/11	12/30/11	03/13/12	701	5	10000	0.200	1	1101	1145	104%	90-110

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Total N	µg/l	12-0022fp	Site # 1	12/30/11 - 1/4/12	01/04/12	03/14/12	455	5	10000	0.200	1	855	899	105%	90-110
Total N	µg/l	12-0133p	FCEB	01/16/12	01/16/12	03/14/12	0	5	10000	0.200	1	400	400	100%	90-110
Total N	µg/l	12-0138p	MW 8	01/16/12	01/16/12	03/14/12	81	5	10000	0.200	1	481	473	98%	90-110
Total N	µg/l	12-0145fp	Site # 1 Sampler Blank	01/16/12	01/16/12	03/15/12	0	5	10000	0.200	1	400	403	101%	90-110
Total N	µg/l	12-0284fp	Site # 1	01/27/12	01/27/12	04/03/12	123.5	5	10000	0.200	1	524	531	101%	90-110
Total N	µg/l	12-0286fp	Site # 6	01/27/12	01/27/12	04/03/12	140	5	10000	0.200	1	540	535	99%	90-110
Total N	µg/l	12-0336fp	Site # 3 Sampler Blank	02/03/12	02/03/12	04/09/12	0	5	10000	0.100	1	200	199	99%	90-110
Total N	µg/l	12-0340fp	Rain Equipment Blank	02/03/12	02/03/12	04/09/12	0	5	10000	0.100	1	200	187	94%	90-110
Total N	µg/l	12-0407fp	Site # 2	12/30/11 - 2/9/12	02/09/12	04/10/12	690	5	10000	0.100	1	890	875	98%	90-110
Total N	µg/l	12-0503fp	Site # 1	2/9/12 - 2/15/12	02/15/12	04/17/12	856	5	10000	0.100	1	1056	1073	102%	90-110
Total N	µg/l	12-0507fp	Site # 6	2/9/12 - 2/15/12	02/15/12	04/17/12	1145	5	10000	0.100	1	1345	1413	105%	90-110
Total N	µg/l	12-0676fp	Site # 1 Sampler Blank	03/01/12	03/01/12	04/22/12	0	5	10000	0.125	1	250	247	99%	90-110
Total N	µg/l	12-0718fp	Site # 4	3/1/12 - 3/6/12	03/06/12	04/22/12	136	5	10000	0.100	1	336	346	103%	90-110
Total N	µg/l	12-0720fp	Site # 6	3/1/12 - 3/6/12	03/06/12	04/22/12	131	5	10000	0.10	1	331	351	106%	90-110
Total N	µg/l	12-0831p	MW 3	03/15/12	03/15/12	04/25/12	113	5	10000	0.10	1	313	299	96%	90-110
Total N	µg/l	12-0991fp	Site # 6	3/22/12 - 3/29/12	03/29/12	04/26/12	32	5	10000	0.10	1	232	229	99%	90-110

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Total P	µg/l	11-2048fp	Site # 5	5/12/11 - 5/18/11	05/18/11	10/25/11	9	5	10000	0.150	1	309	328	106%	90-110
Total P	µg/l	11-2190p	MW7	05/26/11	05/26/11	10/31/11	18	5	10000	0.150	1	318	301	95%	90-110
Total P	µg/l	11-2191p	MW8	05/26/11	05/26/11	10/31/11	30	5	10000	0.150	1	330	311	94%	90-110
Total P	µg/l	11-2275p	Site # 3 Sampler Blank	06/02/11	06/02/11	11/01/11	0	5	10000	0.150	1	300	294	98%	90-110
Total P	µg/l	11-2437p	Site #4	6/8 - 6/15/11	06/15/11	11/01/11	13	5	10000	0.150	1	313	321	103%	90-110
Total P	µg/l	11-2439fp	Rain	6/8 - 6/15/11	06/15/11	11/01/11	29	5	10000	0.150	1	329	330	100%	90-110
Total P	µg/l	11-2590p	Site #3	06/23/11	06/23/11	11/04/11	94	5	10000	0.150	1	394	418	106%	90-110
Total P	µg/l	11-2762fp	Site # 3 Sampler Blank	07/01/11	07/01/11	11/15/11	0	5	10000	0.150	1	300	308	103%	90-110
Total P	µg/l	11-2808fp	Rain	7/1/11 - 7/7/11	07/07/11	11/15/11	30	5	10000	0.150	1	330	343	104%	90-110
Total P	µg/l	11-2969p	Site # 6 F.D.	7/13/11 - 7/20/11	07/20/11	12/13/11	38	5	10000	0.150	1	338	342	101%	90-110
Total P	µg/l	11-3061fp	Site # 3	07/26/11	07/26/11	12/13/11	30	5	10000	0.150	1	330	323	98%	90-110
Total P	µg/l	11-3229fp	Site # 2	7/20/11 - 7/26/11	08/03/11	12/20/11	23	5	10000	0.150	1	323	331	102%	90-110
Total P	µg/l	11-3329fp	Rain	8/3/11 - 8/11/11	08/11/11	12/28/11	11	5	10000	0.150	1	311	307	99%	90-110
Total P	µg/l	11-3412p	Rain	8/11/11 - 8/18/11	08/18/11	01/04/12	4	5	10000	0.150	1	304	293	96%	90-110
Total P	µg/l	11-3506fp	Site # 6	8/18/11 - 8/25/11	08/25/11	01/05/12	0	5	10000	0.150	1	300	291	97%	90-110
Total P	µg/l	11-3715p	Site # 3 Sampler Blank	09/07/11	09/07/11	01/10/12	0	5	10000	0.150	1	300	288	96%	90-110
Total P	µg/l	11-3857p	MW 3	09/20/11	09/20/11	01/13/12	77	5	10000	0.200	1	477	478	100%	90-110
Total P	µg/l	11-3984p	Rain	9/15-9/29/11	09/29/11	01/19/12	54	5	10000	0.200	1	454	466	103%	90-110
Total P	µg/l	11-4078fp	Site # 5 Sampler Blank	10/05/11	10/05/11	01/23/12	0	5	10000	0.200	1	400	394	98%	90-110
Total P	µg/l	11-4242p	MW 6 F.D.	10/20/11	10/20/11	01/27/12	17	5	10000	0.200	1	417	436	105%	90-110
Total P	µg/l	11-4244p	MW 8	10/20/11	10/20/11	01/27/12	11	5	10000	0.200	1	411	419	102%	90-110
Total P	µg/l	11-4396p	Rain Equipment Blank	11/03/11	11/03/11	02/07/12	0	5	10000	0.200	1	400	412	103%	90-110
Total P	µg/l	11-4449p	Site #5	11/3/11 - 11/9/11	11/09/12	02/08/12	23	5	10000	0.200	1	423	452	107%	90-110
Total P	µg/l	11-4508fp	Site #6	11/9/11 - 11/16/11	11/16/11	02/12/12	30	5	10000	0.200	1	430	419	98%	90-110
Total P	µg/l	11-4509fp	Rain	11/3/11 - 11/16/11	11/16/11	02/12/12	144	5	10000	0.200	1	544	556	102%	90-110
Total P	µg/l	11-4552p	Site # 4	11/16/11 - 11/21/11	11/21/11	02/16/12	23	5	10000	0.20	1	423	452	107%	90-110
Total P	µg/l	11-4565p	MW 6 F.D.	11/21/11	11/21/11	02/16/12	11	5	10000	0.20	1	411	423	103%	90-110
Total P	µg/l	11-4657fp	Site # 1 Sampler Blank	12/01/11	12/01/11	02/23/12	0	5	10000	0.20	1	400	405	101%	90-110
Total P	µg/l	11-4802p	MW 1	12/15/11	12/15/11	02/29/12	0	5	10000	0.20	1	400	413	103%	90-110
Total P	µg/l	11-4975p	Site # 6	12/30/11	12/30/11	03/13/12	9	5	10000	0.200	1	409	392	96%	90-110

Matrix Spike Recovery Study

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
Total P	µg/l	12-0022fp	Site # 1	12/30/11 - 1/4/12	01/04/12	03/14/12	31	5	10000	0.200	1	431	425	98%	90-110
Total P	µg/l	12-0133p	FCEB	01/16/12	01/16/12	03/14/12	0	5	10000	0.200	1	400	382	95%	90-110
Total P	µg/l	12-0138p	MW 8	01/16/12	01/16/12	03/14/12	0	5	10000	0.200	1	400	381	95%	90-110
Total P	µg/l	12-0145fp	Site # 1 Sampler Blank	01/16/12	01/16/12	03/15/12	0	5	10000	0.200	1	400	384	96%	90-110
Total P	µg/l	12-0284fp	Site # 1	01/27/12	01/27/12	04/03/12	4	5	10000	0.200	1	404	386	95%	90-110
Total P	µg/l	12-0286fp	Site # 6	01/27/12	01/27/12	04/03/12	10	5	10000	0.200	1	410	397	97%	90-110
Total P	µg/l	12-0336fp	Site # 3 Sampler Blank	02/03/12	02/03/12	04/09/12	0	5	10000	0.075	1	150	153	102%	90-110
Total P	µg/l	12-0340fp	Rain Equipment Blank	02/03/12	02/03/12	04/09/12	0	5	10000	0.075	1	150	151	101%	90-110
Total P	µg/l	12-0407fp	Site # 2	12/30/11 - 2/9/12	02/09/12	04/10/12	12	5	10000	0.100	1	212	220	103%	90-110
Total P	µg/l	12-0503fp	Site # 1	2/9/12 - 2/15/12	02/15/12	04/17/12	92	5	10000	0.100	1	292	316	108%	90-110
Total P	µg/l	12-0507fp	Site # 6	2/9/12 - 2/15/12	02/15/12	04/17/12	4	5	10000	0.10	1	204	213	104%	90-110
Total P	µg/l	12-0676fp	Site # 1 Sampler Blank	03/01/12	03/01/12	04/22/12	0	5	10000	0.10	1	200	190	95%	90-110
Total P	µg/l	12-0718fp	Site # 4	3/1/12 - 3/6/12	03/06/12	04/22/12	17	5	10000	0.10	1	217	205	95%	90-110
Total P	µg/l	12-0720fp	Site # 6	3/1/12 - 3/6/12	03/06/12	04/22/12	17	5	10000	0.10	1	217	203	94%	90-110
Total P	µg/l	12-0831p	MW 3	03/15/12	03/15/12	04/25/12	15	5	10000	0.10	1	215	202	94%	90-110
Total P	µg/l	12-0991fp	Site # 6	3/22/12 - 3/29/12	03/29/12	04/26/12	21	5	10000	0.10	1	221	209	95%	90-110

Matrix Spike Recovery Study

for Tropical Farms collected from

May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE ID	SAMPLE DESCRIPTION	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	INITIAL CONC.	INITIAL VOLUME (ml)	SPIKE CONC.	SPIKE VOLUME ADDED (ml)	Dilution Factor	THEOR. CONC.	ACTUAL CONC.	PERCENT RECOVERY	ACCEPTANCE RANGE
Ammonia	µg/l	11-2275P	Site # 3 Sampler Blank	06/02/11	06/02/11	06/27/11	0	10	82200	0.100	1	822	896	109%	90-110
Ammonia	µg/l	11-2603P	MW8	06/23/11	06/23/11	06/28/11	652	10	82200	0.100	1	1474	1401	95%	90-110
Ammonia	µg/l	11-2979P	MW 6 F.D.	07/20/11	07/20/11	08/08/11	178	10	82200	0.250	1	2233	2196	98%	90-110
Ammonia	µg/l	11-3413P	PCEB	08/18/11	08/18/11	09/01/11	0	10	82200	0.250	1	2055	2040	99%	90-110
Ammonia	µg/l	11-3862P	MW 7	09/20/11	09/20/11	09/29/11	557	10	82200	0.200	1	2201	2001	91%	90-110
Ammonia	µg/l	11-4079P	Site # 6 Sampler Blank	10/05/11	10/06/11	10/14/11	0	10	82200	0.150	1	1233	1261	102%	90-110
Ammonia	µg/l	11-4233P	Rain	0/12/11 - 10/20/11	10/20/11	11/03/11	90	10	82200	0.125	1	1118	1156	103%	90-110
Ammonia	µg/l	11-4447P	Site #3	11/3/11 - 11/9/11	11/09/11	11/16/11	169	10	82200	0.100	1	991	951	96%	90-110
Ammonia	µg/l	11-4394P	Site # 5 Sampler Blank	11/03/11	11/03/11	11/16/11	0	10	82200	0.150	1	1233	1212	98%	90-110
Ammonia	µg/l	11-4556P	Rain	1/16/11 - 11/21/11	11/21/11	11/29/11	80	10	82200	0.150	1	1313	1359	104%	90-110
Ammonia	µg/l	11-4806P	FCEB	12/15/11	12/15/11	12/20/11	2	10	82200	0.175	1	1441	1392	97%	90-110
Ammonia	µg/l	12-0129P	MW 1	01/16/12	01/16/12	01/18/12	18	10	10000	0.200	1	218	236	108%	90-110
Ammonia	µg/l	12-0149P	Site # 5 Sampler Blank	01/16/12	01/16/12	01/18/12	0	10	10000	0.175	1	175	170	97%	90-110
Ammonia	µg/l	12-0338P	Site # 5 Sampler Blank	02/03/12	02/03/12	02/06/12	0	10	10000	0.250	1	250	237	95%	90-110
Ammonia	µg/l	12-0286P	Site # 6	01/27/12	01/27/12	02/06/12	3	10	10000	0.200	1	203	195	96%	90-110
Ammonia	µg/l	12-0495P	MW 3	02/15/12	02/15/12	02/21/12	0	10	10000	0.175	1	175	172	98%	90-110
Ammonia	µg/l	12-0574P	Site # 4	2/15/12 - 2/21/12	02/21/12	02/28/12	0	10	10000	0.175	1	175	159	91%	90-110
Ammonia	µg/l	12-0679P	Site # 4 Sampler Blank	03/01/12	03/01/12	03/05/12	0	10	10000	0.250	1	250	244	98%	90-110
Ammonia	µg/l	12-0835P	MW 6	03/15/12	03/15/12	03/27/12	86	10	10000	0.200	1	286	266	93%	90-110
Ammonia	µg/l	12-1211P	Site # 5 F.D.	4/24/12 - 5/1/12	05/02/12	05/02/12	22	10	10000	0.125	1	147	152	103%	90-110

F.3 Control Standard Recovery

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

Alkalinity	mg/l	LCS	05/20/11	05/20/11	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	LCS	05/31/11	05/31/11	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	LCS	05/31/11	05/31/11	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	LCS	06/06/11	06/06/11	10.6	10.4	98%	91 - 109
Alkalinity	mg/l	LCS	06/11/11	06/11/11	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	LCS	06/16/11	06/16/11	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	LCS	06/29/11	06/29/11	10.6	11.0	104%	91 - 109
Alkalinity	mg/l	LCS	06/29/11	06/29/11	10.6	11.0	104%	91 - 109
Alkalinity	mg/l	LCS	07/11/11	07/11/11	8.6	8.6	100%	91 - 109
Alkalinity	mg/l	LCS	07/15/11	07/15/11	8.4	8.2	98%	91 - 109
Alkalinity	mg/l	LCS	07/25/11	07/25/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	LCS	07/26/11	07/26/11	8.6	8.2	96%	91 - 109
Alkalinity	mg/l	LCS	08/01/11	08/01/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	LCS	08/12/11	08/12/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	LCS	08/12/11	08/12/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	LCS	08/22/11	08/22/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	LCS	08/30/11	08/30/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	LCS	09/09/11	09/09/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	LCS	09/16/11	09/16/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	LCS	09/22/11	09/22/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	LCS	10/03/11	10/03/11	12.6	12.8	102%	91 - 109
Alkalinity	mg/l	LCS	10/07/11	10/07/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	10/17/11	10/17/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	10/24/11	10/24/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	10/27/11	10/27/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	10/31/11	10/31/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	11/07/11	11/07/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	11/07/11	11/07/11	12.4	12.6	102%	91 - 109
Alkalinity	mg/l	LCS	11/10/11	11/10/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	11/22/11	11/22/11	12.4	11.8	96%	91 - 109
Alkalinity	mg/l	LCS	11/22/11	11/22/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	11/28/11	11/28/11	12.6	12.2	97%	91 - 109
Alkalinity	mg/l	LCS	12/05/11	12/05/11	12.4	12.8	103%	91 - 109
Alkalinity	mg/l	LCS	12/05/11	12/05/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	12/12/11	12/12/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	12/19/11	12/19/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	LCS	12/21/11	12/21/11	12.6	12.2	97%	91 - 109
Alkalinity	mg/l	LCS	12/21/11	12/21/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	LCS	01/10/12	01/10/12	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	LCS	01/17/12	01/17/12	10.6	10.8	102%	91 - 109
Alkalinity	mg/l	LCS	01/30/12	01/30/12	10.4	10.0	96%	91 - 109
Alkalinity	mg/l	LCS	02/07/12	02/07/12	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	LCS	02/13/12	02/13/12	10.6	10.4	98%	91 - 109
Alkalinity	mg/l	LCS	02/17/12	02/17/12	10.6	10.2	96%	91 - 109
Alkalinity	mg/l	LCS	03/05/12	03/05/12	10.6	10.8	102%	91 - 109
Alkalinity	mg/l	LCS	03/07/12	03/07/12	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	LCS	03/19/12	03/19/12	10.6	10.2	96%	91 - 109
Alkalinity	mg/l	LCS	03/20/12	03/20/12	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	LCS	04/02/12	04/02/12	8.4	8.4	100%	91 - 109
Alkalinity	mg/l	LCS	04/06/12	04/06/12	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	LCS	04/13/12	04/13/12	8.6	8.6	100%	91 - 109
Alkalinity	mg/l	LCS	04/20/12	04/20/12	8.6	8.2	95%	91 - 109
Alkalinity	mg/l	LCS	04/25/12	04/25/12	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	LCS	05/03/12	05/03/12	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	LCS	05/10/12	05/10/12	8.4	8.2	98%	91 - 109
Alkalinity	mg/l	LCS	05/17/12	05/17/12	8.4	8.6	102%	91 - 109

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

Turbidity	NTU	LCS	05/19/11	05/19/11	40	39	97%	90-110
Turbidity	NTU	LCS	05/27/11	05/27/11	40	39	98%	90-110
Turbidity	NTU	LCS	06/03/11	06/03/11	40	40	101%	90-110
Turbidity	NTU	LCS	06/09/11	06/09/11	40	39	98%	90-110
Turbidity	NTU	LCS	06/24/11	06/24/11	40	39	97%	90-110
Turbidity	NTU	LCS	07/03/11	07/03/11	20	20	100%	90-110
Turbidity	NTU	LCS	07/08/11	07/08/11	20	19	95%	90-110
Turbidity	NTU	LCS	07/21/11	07/21/11	20	19	93%	90-110
Turbidity	NTU	LCS	07/27/11	07/27/11	20	19	95%	90-110
Turbidity	NTU	LCS	08/04/11	08/04/11	20	20	97%	90-110
Turbidity	NTU	LCS	08/19/11	08/19/11	20	19	95%	90-110
Turbidity	NTU	LCS	08/26/11	08/26/11	20	19	95%	90-110
Turbidity	NTU	LCS	09/08/11	09/08/11	20	19	95%	90-110
Turbidity	NTU	LCS	09/16/11	09/16/11	20	19	96%	90-110
Turbidity	NTU	LCS	09/22/11	09/22/11	20	19	96%	90-110
Turbidity	NTU	LCS	09/30/11	09/30/11	20	20	97%	90-110
Turbidity	NTU	LCS	10/06/11	10/06/11	40	40	99%	90-110
Turbidity	NTU	LCS	10/21/11	10/21/11	40	40	99%	90-110
Turbidity	NTU	LCS	10/28/11	10/28/11	40	40	99%	90-110
Turbidity	NTU	LCS	11/04/11	11/04/11	40	39	97%	90-110
Turbidity	NTU	LCS	11/10/11	11/10/11	40	42	105%	90-110
Turbidity	NTU	LCS	11/18/11	11/18/11	40	38	96%	90-110
Turbidity	NTU	LCS	12/01/11	12/01/11	40	39	96%	90-110
Turbidity	NTU	LCS	12/28/11	12/28/11	40	40	100%	90-110
Turbidity	NTU	LCS	12/09/11	12/09/11	40	39	97%	90-110
Turbidity	NTU	LCS	12/22/11	12/22/11	40	38.8	97%	90-110
Turbidity	NTU	LCS	01/05/12	01/05/12	10	9.5	95%	90-110
Turbidity	NTU	LCS	01/05/12	01/05/12	10.2	9.9	97%	90-110
Turbidity	NTU	LCS	01/18/12	01/18/12	10.3	9.4	91%	90-110
Turbidity	NTU	LCS	01/28/12	01/28/12	10.2	9.6	94%	90-110
Turbidity	NTU	LCS	02/05/12	02/05/12	10.2	9.5	93%	90-110
Turbidity	NTU	LCS	02/10/12	02/10/12	10.3	9.6	93%	90-110
Turbidity	NTU	LCS	02/17/12	02/17/12	10.3	9.7	94%	90-110
Turbidity	NTU	LCS	03/02/12	03/02/12	10.2	10.2	100%	90-110
Turbidity	NTU	LCS	03/08/12	03/08/12	10.2	9.4	92%	90-110
Turbidity	NTU	LCS	03/16/12	03/16/12	10.3	9.5	92%	90-110
Turbidity	NTU	LCS	03/23/12	03/23/12	10.2	9.4	92%	90-110
Turbidity	NTU	LCS	03/30/12	03/30/12	10.2	9.5	93%	90-110
Turbidity	NTU	LCS	04/06/12	04/06/12	20.1	19.1	95%	90-110
Turbidity	NTU	LCS	04/13/12	04/13/12	20.1	19.5	97%	90-110
Turbidity	NTU	LCS	04/20/12	04/20/12	20.1	19.3	96%	90-110
Turbidity	NTU	LCS	04/24/12	04/24/12	20.2	19.4	96%	90-110
Turbidity	NTU	LCS	05/02/12	05/02/12	20.3	19.4	96%	90-110
Turbidity	NTU	LCS	05/10/12	05/10/12	20.3	19.9	98%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

TSS	mg/l	LCS	05/23/11	05/23/11	58.5	62.2	106%	90-110
TSS	mg/l	LCS	06/01/11	06/01/11	58.5	52.5	90%	90-110
TSS	mg/l	LCS	06/08/11	06/08/11	68.5	62.7	92%	90-110
TSS	mg/l	LCS	06/15/11	06/15/11	68.5	65.1	95%	90-110
TSS	mg/l	LCS	06/23/11	06/23/11	61.1	62.4	102%	90-110
TSS	mg/l	LCS	07/07/11	07/07/11	68.3	63.0	92%	90-110
TSS	mg/l	LCS	07/07/11	07/07/11	70.0	66.0	94%	90-110
TSS	mg/l	LCS	07/25/11	07/25/11	61.6	59.5	97%	90-110
TSS	mg/l	LCS	08/09/11	08/09/11	58.7	62.9	107%	90-110
TSS	mg/l	LCS	08/09/11	08/09/11	65.3	62.3	95%	90-110
TSS	mg/l	LCS	08/22/11	08/22/11	68.7	63.7	93%	90-110
TSS	mg/l	LCS	08/26/11	08/26/11	61.0	64.0	105%	90-110
TSS	mg/l	LCS	09/08/11	09/08/11	57.6	63.3	110%	90-110
TSS	mg/l	LCS	09/08/11	09/08/11	54.4	53.4	98%	90-110
TSS	mg/l	LCS	09/30/11	09/30/11	68.9	69.3	101%	90-110
TSS	mg/l	LCS	10/09/11	10/09/11	55.5	60.4	109%	90-110
TSS	mg/l	LCS	10/09/11	10/09/11	60.3	58.9	98%	90-110
TSS	mg/l	LCS	10/25/11	10/25/11	65.7	60.4	92%	90-110
TSS	mg/l	LCS	11/10/11	11/10/11	60.3	59.1	98%	90-110
TSS	mg/l	LCS	11/10/11	11/10/11	54.5	59.6	109%	90-110
TSS	mg/l	LCS	11/22/11	11/22/11	58.7	61.2	104%	90-110
TSS	mg/l	LCS	11/22/11	11/22/11	53.9	49.3	91%	90-110
TSS	mg/l	LCS	12/04/11	12/04/11	68.7	63.2	92%	90-110
TSS	mg/l	LCS	12/04/11	12/04/11	58.7	64.4	110%	90-110
TSS	mg/l	LCS	12/09/11	12/09/11	68.6	64.8	94%	90-110
TSS	mg/l	LCS	12/21/11	12/21/11	67.6	67.1	99%	90-110
TSS	mg/l	LCS	12/23/11	12/23/11	56.2	61.5	109%	90-110
TSS	mg/l	LCS	01/18/12	01/18/12	59.7	61.8	104%	90-110
TSS	mg/l	LCS	02/01/12	02/01/12	66.0	65.9	100%	90-110
TSS	mg/l	LCS	02/09/12	02/09/12	63.9	56.9	89%	90-110
TSS	mg/l	LCS	02/15/12	02/15/12	59.6	61.5	103%	90-110
TSS	mg/l	LCS	03/02/12	03/02/12	64.0	69.6	109%	90-110
TSS	mg/l	LCS	03/02/12	03/02/12	67.7	66.6	98%	90-110
TSS	mg/l	LCS	03/02/12	03/02/12	59.0	61.9	105%	90-110
TSS	mg/l	LCS	03/20/12	03/20/12	62.5	66.8	107%	90-110
TSS	mg/l	LCS	04/12/12	04/12/12	62.3	61.6	99%	90-110
TSS	mg/l	LCS	04/12/12	04/12/12	62.0	59.7	96%	90-110
TSS	mg/l	LCS	04/26/12	04/26/12	66.8	62.9	94%	90-110
TSS	mg/l	LCS	05/04/12	05/04/12	65.7	63.6	97%	90-110
TSS	mg/l	LCS	05/14/12	05/14/12	54.7	58.5	107%	90-110
TSS	mg/l	LCS	05/14/12	05/14/12	73.5	70.2	96%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

BOD	mg/l	LCS	05/30/11	05/30/11	198	181	91%	85-115%
BOD	mg/l	LCS	06/07/11	06/07/11	198	192	97%	85-115%
BOD	mg/l	LCS	06/15/11	06/15/11	198	195	98%	85-115%
BOD	mg/l	LCS	06/25/11	06/25/11	198	194	98%	85-115%
BOD	mg/l	LCS	07/03/11	07/03/11	198	196	99%	85-115%
BOD	mg/l	LCS	07/08/11	07/08/11	198	223	113%	85-115%
BOD	mg/l	LCS	07/14/11	07/14/11	198	216	109%	85-115%
BOD	mg/l	LCS	07/22/11	07/22/11	198	192	97%	85-115%
BOD	mg/l	LCS	07/28/11	07/28/11	198	195	98%	85-115%
BOD	mg/l	LCS	08/04/11	08/04/11	198	200	101%	85-115%
BOD	mg/l	LCS	08/12/11	08/12/11	198	207	105%	85-115%
BOD	mg/l	LCS	08/20/11	08/20/11	198	183	92%	85-115%
BOD	mg/l	LCS	08/26/11	08/26/11	198	189	95%	85-115%
BOD	mg/l	LCS	09/09/11	09/09/11	198	197	99%	85-115%
BOD	mg/l	LCS	09/16/11	09/16/11	198	201	102%	85-115%
BOD	mg/l	LCS	09/22/11	09/22/11	198	191	96%	85-115%
BOD	mg/l	LCS	09/30/11	09/30/11	198	197	99%	85-115%
BOD	mg/l	LCS	10/07/11	10/07/11	198	220	111%	85-115%
BOD	mg/l	LCS	10/14/11	10/14/11	198	200	101%	85-115%
BOD	mg/l	LCS	10/21/11	10/21/11	198	210	106%	85-115%
BOD	mg/l	LCS	10/29/11	10/29/11	198	209	106%	85-115%
BOD	mg/l	LCS	11/04/11	11/04/11	198	216	109%	85-115%
BOD	mg/l	LCS	11/11/11	11/11/11	198	210	106%	85-115%
BOD	mg/l	LCS	11/22/11	11/22/11	198	192	97%	85-115%
BOD	mg/l	LCS	12/02/11	12/02/11	198	219	111%	85-115%
BOD	mg/l	LCS	12/10/11	12/10/11	198	202	102%	85-115%
BOD	mg/l	LCS	12/17/11	12/17/11	198	200	101%	85-115%
BOD	mg/l	LCS	12/23/11	12/23/11	198	197	99%	85-115%
BOD	mg/l	LCS	12/30/11	12/30/11	198	178	90%	85-115%
BOD	mg/l	LCS	01/06/12	01/06/12	198	194	98%	85-115%
BOD	mg/l	LCS	01/18/12	01/18/12	198	210	106%	85-115%
BOD	mg/l	LCS	01/29/12	01/29/12	198	201	102%	85-115%
BOD	mg/l	LCS	02/03/12	02/03/12	198	180	91%	85-115%
BOD	mg/l	LCS	02/10/12	02/10/12	198	186	94%	85-115%
BOD	mg/l	LCS	02/17/12	02/17/12	198	183	92%	85-115%
BOD	mg/l	LCS	02/23/12	02/23/12	198	173	87%	85-115%
BOD	mg/l	LCS	03/03/12	03/03/12	198	173	87%	85-115%
BOD	mg/l	LCS	03/17/12	03/17/12	198	180	91%	85-115%
BOD	mg/l	LCS	03/24/12	03/24/12	198	180	91%	85-115%
BOD	mg/l	LCS	03/31/12	03/31/12	198	198	100%	85-115%
BOD	mg/l	LCS	04/06/12	04/06/12	198	203	103%	85-115%
BOD	mg/l	LCS	04/12/12	04/12/12	198	174	88%	85-115%
BOD	mg/l	LCS	04/21/12	04/21/12	198	179	90%	85-115%
BOD	mg/l	LCS	04/26/12	04/26/12	198	183	92%	85-115%
BOD	mg/l	LCS	05/02/12	05/02/12	198	179	90%	85-115%
BOD	mg/l	LCS	05/11/12	05/11/12	198	217	110%	85-115%
BOD	mg/l	LCS	05/18/12	05/18/12	198	174	88%	85-115%

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

SRP	µg/l	LCS	06/01/11	06/01/11	100	98	98%	90-110
SRP	µg/l	LCS	06/02/11	06/02/11	100	105	105%	90-110
SRP	µg/l	LCS	06/07/11	06/07/11	100	101	101%	90-110
SRP	µg/l	LCS	06/29/11	06/29/11	100	103	103%	90-110
SRP	µg/l	LCS	07/05/11	07/05/11	260	278	107%	90-110
SRP	µg/l	LCS	07/05/11	07/05/11	260	274	105%	90-110
SRP	µg/l	LCS	07/11/11	07/11/11	260	270	104%	90-110
SRP	µg/l	LCS	07/15/11	07/15/11	250	238	95%	90-110
SRP	µg/l	LCS	07/25/11	07/25/11	250	238	95%	90-110
SRP	µg/l	LCS	08/01/11	08/01/11	250	243	97%	90-110
SRP	µg/l	LCS	08/18/11	08/18/11	250	242	97%	90-110
SRP	µg/l	LCS	08/23/11	08/23/11	250	263	105%	90-110
SRP	µg/l	LCS	09/09/11	09/09/11	250	266	106%	90-110
SRP	µg/l	LCS	09/19/11	09/19/11	250	263	105%	90-110
SRP	µg/l	LCS	09/22/11	09/22/11	250	269	108%	90-110
SRP	µg/l	LCS	10/10/11	10/10/11	150	144	96%	90-110
SRP	µg/l	LCS	10/25/11	10/25/11	150	151	101%	90-110
SRP	µg/l	LCS	10/31/11	10/31/11	150	157	105%	90-110
SRP	µg/l	LCS	11/04/11	11/04/11	150	160	107%	90-110
SRP	µg/l	LCS	11/14/11	11/14/11	150	156	104%	90-110
SRP	µg/l	LCS	11/23/11	11/23/11	150	163	109%	90-110
SRP	µg/l	LCS	12/02/11	12/02/11	150	153	102%	90-110
SRP	µg/l	LCS	12/09/11	12/09/11	150	154	103%	90-110
SRP	µg/l	LCS	12/16/11	12/16/11	150	161	107%	90-110
SRP	µg/l	LCS	01/06/12	01/06/12	200	199	100%	90-110
SRP	µg/l	LCS	01/18/12	01/18/12	200	205	103%	90-110
SRP	µg/l	LCS	01/18/12	01/18/12	200	208	104%	90-110
SRP	µg/l	LCS	01/27/12	01/27/12	200	207	104%	90-110
SRP	µg/l	LCS	02/08/12	02/08/12	200	210	105%	90-110
SRP	µg/l	LCS	02/10/12	02/10/12	200	211	106%	90-110
SRP	µg/l	LCS	02/18/12	02/18/12	200	212	106%	90-110
SRP	µg/l	LCS	02/22/12	02/22/12	200	210	105%	90-110
SRP	µg/l	LCS	03/02/12	03/02/12	200	211	106%	90-110
SRP	µg/l	LCS	03/16/12	03/16/12	200	215	108%	90-110
SRP	µg/l	LCS	04/02/12	04/02/12	100	101	101%	90-110
SRP	µg/l	LCS	04/06/12	04/06/12	100	101	101%	90-110
SRP	µg/l	LCS	04/17/12	04/17/12	100	100	100%	90-110
SRP	µg/l	LCS	04/20/12	04/20/12	100	100	100%	90-110
SRP	µg/l	LCS	04/20/12	04/20/12	100	100	100%	90-110
SRP	µg/l	LCS	04/25/12	04/25/12	100	101	101%	90-110
SRP	µg/l	LCS	05/02/12	05/02/12	100	105	105%	90-110
SRP	µg/l	LCS	05/11/12	05/11/12	100	100	100%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

NOX-N	µg/l	LCS	06/01/11	06/01/11	1000	978	98%	90-110
NOX-N	µg/l	LCS	06/02/11	06/02/11	1000	995	100%	90-110
NOX-N	µg/l	LCS	06/07/11	06/07/11	1000	1053	105%	90-110
NOX-N	µg/l	LCS	06/29/11	06/29/11	1000	1088	109%	90-110
NOX-N	µg/l	LCS	07/05/11	07/05/11	2500	2547	102%	90-110
NOX-N	µg/l	LCS	07/11/11	07/11/11	2500	2542	102%	90-110
NOX-N	µg/l	LCS	07/15/11	07/15/11	2500	2518	101%	90-110
NOX-N	µg/l	LCS	07/25/11	07/25/11	2500	2577	103%	90-110
NOX-N	µg/l	LCS	08/01/11	08/01/11	2500	2451	98%	90-110
NOX-N	µg/l	LCS	08/18/11	08/18/11	2500	2481	99%	90-110
NOX-N	µg/l	LCS	08/23/11	08/23/11	2500	2430	97%	90-110
NOX-N	µg/l	LCS	09/09/11	09/09/11	2500	2492	100%	90-110
NOX-N	µg/l	LCS	09/19/11	09/19/11	2500	2541	102%	90-110
NOX-N	µg/l	LCS	09/22/11	09/22/11	2500	2479	99%	90-110
NOX-N	µg/l	LCS	10/10/11	10/10/11	150	154	103%	90-110
NOX-N	µg/l	LCS	10/25/11	10/25/11	150	160	107%	90-110
NOX-N	µg/l	LCS	10/31/11	10/31/11	150	149	99%	90-110
NOX-N	µg/l	LCS	11/04/11	11/04/11	150	150	100%	90-110
NOX-N	µg/l	LCS	11/11/11	11/11/11	150	151	101%	90-110
NOX-N	µg/l	LCS	11/23/11	11/23/11	150	157	105%	90-110
NOX-N	µg/l	LCS	12/02/11	12/02/11	150	162	108%	90-110
NOX-N	µg/l	LCS	12/09/11	12/09/11	150	159	106%	90-110
NOX-N	µg/l	LCS	12/16/11	12/16/11	150	157	105%	90-110
NOX-N	µg/l	LCS	01/06/12	01/06/12	200	196	98%	90-110
NOX-N	µg/l	LCS	01/18/12	01/18/12	200	200	100%	90-110
NOX-N	µg/l	LCS	01/27/12	01/27/12	200	200	100%	90-110
NOX-N	µg/l	LCS	02/08/12	02/08/12	200	197	99%	90-110
NOX-N	µg/l	LCS	02/10/12	02/10/12	200	201	101%	90-110
NOX-N	µg/l	LCS	02/18/12	02/18/12	200	200	100%	90-110
NOX-N	µg/l	LCS	02/22/12	02/22/12	200	196	98%	90-110
NOX-N	µg/l	LCS	03/16/12	03/16/12	200	211	106%	90-110
NOX-N	µg/l	LCS	03/16/12	03/16/12	200	194	97%	90-110
NOX-N	µg/l	LCS	04/02/12	04/02/12	100	100	100%	90-110
NOX-N	µg/l	LCS	04/06/12	04/06/12	100	99	99%	90-110
NOX-N	µg/l	LCS	04/17/12	04/17/12	100	100	100%	90-110
NOX-N	µg/l	LCS	04/20/12	04/20/12	100	95	95%	90-110
NOX-N	µg/l	LCS	04/25/12	04/25/12	100	97	97%	90-110
NOX-N	µg/l	LCS	05/02/12	05/02/12	100	95	95%	90-110
NOX-N	µg/l	LCS	05/11/12	05/11/12	100	95	95%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

Ammonia	µg/l	LCS	06/24/11	06/24/11	100	103	103%	90-110
Ammonia	µg/l	LCS	06/27/11	06/27/11	100	102	102%	90-110
Ammonia	µg/l	LCS	06/28/11	06/28/11	100	98	98%	90-110
Ammonia	µg/l	LCS	07/13/11	07/13/11	1000	975	98%	90-110
Ammonia	µg/l	LCS	07/29/11	07/29/11	1000	964	96%	90-110
Ammonia	µg/l	LCS	08/08/11	08/08/11	1000	955	96%	90-110
Ammonia	µg/l	LCS	08/31/11	08/31/11	1000	991	99%	90-110
Ammonia	µg/l	LCS	09/01/11	09/01/11	1000	984	98%	90-110
Ammonia	µg/l	LCS	09/01/11	09/01/11	1000	978	98%	90-110
Ammonia	µg/l	LCS	09/20/11	09/20/11	1000	978	98%	90-110
Ammonia	µg/l	LCS	09/29/11	09/29/11	1000	958	96%	90-110
Ammonia	µg/l	LCS	10/14/11	10/14/11	2055	2196	107%	90-110
Ammonia	µg/l	LCS	11/02/11	11/02/11	2055	2146	104%	90-110
Ammonia	µg/l	LCS	11/03/11	11/03/11	2055	2171	106%	90-110
Ammonia	µg/l	LCS	11/16/11	11/16/11	2055	2165	105%	90-110
Ammonia	µg/l	LCS	11/29/11	11/29/11	2055	2124	103%	90-110
Ammonia	µg/l	LCS	11/29/11	11/29/11	2055	2079	101%	90-110
Ammonia	µg/l	LCS	12/08/11	12/08/11	2055	2076	101%	90-110
Ammonia	µg/l	LCS	12/20/11	12/20/11	2055	2076	101%	90-110
Ammonia	µg/l	LCS	01/17/12	01/17/12	200	216	108%	90-110
Ammonia	µg/l	LCS	01/18/12	01/18/12	200	220	110%	90-110
Ammonia	µg/l	LCS	02/06/12	02/06/12	200	216	108%	90-110
Ammonia	µg/l	LCS	02/21/12	02/21/12	200	220	110%	90-110
Ammonia	µg/l	LCS	02/28/12	02/28/12	200	213	107%	90-110
Ammonia	µg/l	LCS	03/05/12	03/05/12	200	212	106%	90-110
Ammonia	µg/l	LCS	03/27/12	03/27/12	200	219	110%	90-110
Ammonia	µg/l	LCS	04/06/12	04/06/12	350	343	98%	90-110
Ammonia	µg/l	LCS	04/23/12	04/23/12	350	341	97%	90-110
Ammonia	µg/l	LCS	04/26/12	04/26/12	350	340	97%	90-110
Ammonia	µg/l	LCS	05/02/12	05/02/12	350	345	99%	90-110
Ammonia	µg/l	LCS	05/30/12	05/30/12	350	342	98%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

Total N	µg/l	LCS	10/25/11	10/25/11	2260	2227	99%	90-110
Total N	µg/l	LCS	10/31/11	10/31/11	2260	2231	99%	90-110
Total N	µg/l	LCS	11/01/11	11/01/11	2260	2317	103%	90-110
Total N	µg/l	LCS	11/04/11	11/04/11	2260	2320	103%	90-110
Total N	µg/l	LCS	11/15/11	11/15/11	2260	2483	110%	90-110
Total N	µg/l	LCS	12/07/11	12/07/11	2260	2391	106%	90-110
Total N	µg/l	LCS	12/13/11	12/13/11	2260	2401	106%	90-110
Total N	µg/l	LCS	12/20/11	12/20/11	2260	2337	103%	90-110
Total N	µg/l	LCS	12/28/11	12/28/11	2260	2294	102%	90-110
Total N	µg/l	LCS	01/04/12	01/04/12	2500	2489	100%	90-110
Total N	µg/l	LCS	01/05/12	01/05/12	2500	2378	95%	90-110
Total N	µg/l	LCS	01/10/12	01/10/12	2500	2495	100%	90-110
Total N	µg/l	LCS	01/13/12	01/13/12	2500	2490	100%	90-110
Total N	µg/l	LCS	01/19/12	01/19/12	2500	2320	93%	90-110
Total N	µg/l	LCS	01/23/12	01/23/12	2500	2589	104%	90-110
Total N	µg/l	LCS	01/24/12	01/24/12	2500	2552	102%	90-110
Total N	µg/l	LCS	01/27/12	01/27/12	2500	2604	104%	90-110
Total N	µg/l	LCS	02/01/12	02/01/12	3000	2711	90%	90-110
Total N	µg/l	LCS	02/03/12	02/03/12	3000	2872	96%	90-110
Total N	µg/l	LCS	02/07/12	02/07/12	3000	2959	99%	90-110
Total N	µg/l	LCS	02/08/12	02/08/12	3000	3035	101%	90-110
Total N	µg/l	LCS	02/12/12	02/12/12	3000	3116	104%	90-110
Total N	µg/l	LCS	02/16/12	02/16/12	3000	3055	102%	90-110
Total N	µg/l	LCS	02/23/12	02/23/12	3000	3076	103%	90-110
Total N	µg/l	LCS	02/29/12	02/29/12	3000	3068	102%	90-110
Total N	µg/l	LCS	03/01/12	03/01/12	3000	3133	104%	90-110
Total N	µg/l	LCS	03/13/12	03/13/12	3000	3132	104%	90-110
Total N	µg/l	LCS	03/14/12	03/14/12	3000	3101	103%	90-110
Total N	µg/l	LCS	03/15/12	03/15/12	3000	3139	105%	90-110
Total N	µg/l	LCS	04/03/12	04/03/12	4000	3871	97%	90-110
Total N	µg/l	LCS	04/09/12	04/09/12	4000	4127	103%	90-110
Total N	µg/l	LCS	04/10/12	04/10/12	4000	4150	104%	90-110
Total N	µg/l	LCS	04/17/12	04/17/12	4000	4227	106%	90-110
Total N	µg/l	LCS	04/20/12	04/20/12	4000	4066	102%	90-110
Total N	µg/l	LCS	04/22/12	04/22/12	4000	3958	99%	90-110
Total N	µg/l	LCS	04/25/12	04/25/12	4000	4088	102%	90-110
Total N	µg/l	LCS	04/26/12	04/26/12	4000	4157	104%	90-110
Total N	µg/l	LCS	04/27/12	04/27/12	4000	4018	100%	90-110
Total N	µg/l	LCS	04/30/12	04/30/12	4000	3998	100%	90-110
Total N	µg/l	LCS	05/02/12	05/02/12	4000	3984	100%	90-110
Total N	µg/l	LCS	05/15/12	05/15/12	4000	4363	109%	90-110

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Total P	µg/l	LCS	10/25/11	10/25/11	300	303	101%	90-110
Total P	µg/l	LCS	10/31/11	10/31/11	300	302	101%	90-110
Total P	µg/l	LCS	11/01/11	11/01/11	300	307	102%	90-110
Total P	µg/l	LCS	11/04/11	11/04/11	300	317	106%	90-110
Total P	µg/l	LCS	11/15/11	11/15/11	300	308	103%	90-110
Total P	µg/l	LCS	12/07/11	12/07/11	300	307	102%	90-110
Total P	µg/l	LCS	12/13/11	12/13/11	300	312	104%	90-110
Total P	µg/l	LCS	12/20/11	12/20/11	300	308	103%	90-110
Total P	µg/l	LCS	12/28/11	12/28/11	300	317	106%	90-110
Total P	µg/l	LCS	01/04/12	01/04/12	100	91	91%	90-110
Total P	µg/l	LCS	01/05/12	01/05/12	100	93	93%	90-110
Total P	µg/l	LCS	01/10/12	01/10/12	100	91	91%	90-110
Total P	µg/l	LCS	01/13/12	01/13/12	100	94	94%	90-110
Total P	µg/l	LCS	01/19/12	01/19/12	100	93	93%	90-110
Total P	µg/l	LCS	01/23/12	01/23/12	100	90	90%	90-110
Total P	µg/l	LCS	01/24/12	01/24/12	100	96	96%	90-110
Total P	µg/l	LCS	01/27/12	01/27/12	100	91	91%	90-110
Total P	µg/l	LCS	02/01/12	02/01/12	100	94	94%	90-110
Total P	µg/l	LCS	02/03/12	02/03/12	100	94	94%	90-110
Total P	µg/l	LCS	02/07/12	02/07/12	100	95	95%	90-110
Total P	µg/l	LCS	02/08/12	02/08/12	100	95	95%	90-110
Total P	µg/l	LCS	02/12/12	02/12/12	100	92	92%	90-110
Total P	µg/l	LCS	02/16/12	02/16/12	100	96	96%	90-110
Total P	µg/l	LCS	02/23/12	02/23/12	100	90	90%	90-110
Total P	µg/l	LCS	02/29/12	02/29/12	100	96	96%	90-110
Total P	µg/l	LCS	03/01/12	03/01/12	100	96	96%	90-110
Total P	µg/l	LCS	03/13/12	03/13/12	100	102	102%	90-110
Total P	µg/l	LCS	03/14/12	03/14/12	100	90	90%	90-110
Total P	µg/l	LCS	03/15/12	03/15/12	100	91	91%	90-110
Total P	µg/l	LCS	04/03/12	04/03/12	400	396	99%	90-110
Total P	µg/l	LCS	04/09/12	04/09/12	400	423	106%	90-110
Total P	µg/l	LCS	04/10/12	04/10/12	400	417	104%	90-110
Total P	µg/l	LCS	04/17/12	04/17/12	400	421	105%	90-110
Total P	µg/l	LCS	04/20/12	04/20/12	400	423	106%	90-110
Total P	µg/l	LCS	04/22/12	04/22/12	400	408	102%	90-110
Total P	µg/l	LCS	04/25/12	04/25/12	400	424	106%	90-110
Total P	µg/l	LCS	04/26/12	04/26/12	400	422	106%	90-110
Total P	µg/l	LCS	04/26/12	04/26/12	400	417	104%	90-110
Total P	µg/l	LCS	04/27/12	04/27/12	400	408	102%	90-110
Total P	µg/l	LCS	04/30/12	04/30/12	400	431	108%	90-110
Total P	µg/l	LCS	05/02/12	05/02/12	400	401	100%	90-110
Total P	µg/l	LCS	05/15/12	05/15/12	400	425	106%	90-110
Total P	µg/l	LCS	06/12/12	06/12/12	400	411	103%	90-110

Laboratory Control Standard Recovery
for Tropical Farms collected from
May 2011 to May 2012

Color	PCU	LCS	05/27/11	05/27/11	40	42	105%	90-110
Color	PCU	LCS	06/04/11	06/04/11	40	41	103%	90-110
Color	PCU	LCS	06/10/11	06/10/11	40	41	103%	90-110
Color	PCU	LCS	06/25/11	06/25/11	40	41	103%	90-110
Color	PCU	LCS	07/02/11	07/02/11	30	32	107%	90-110
Color	PCU	LCS	07/22/11	07/22/11	30	32	107%	90-110
Color	PCU	LCS	08/04/11	08/04/11	30	32	107%	90-110
Color	PCU	LCS	08/11/11	08/11/11	30	32	107%	90-110
Color	PCU	LCS	08/18/11	08/18/11	30	32	107%	90-110
Color	PCU	LCS	09/08/11	09/08/11	30	32	107%	90-110
Color	PCU	LCS	09/16/11	09/16/11	30	32	107%	90-110
Color	PCU	LCS	09/21/11	09/21/11	30	32	107%	90-110
Color	PCU	LCS	10/07/11	10/07/11	15	16	107%	90-110
Color	PCU	LCS	10/12/11	10/12/11	15	16	107%	90-110
Color	PCU	LCS	10/12/11	10/12/11	15	16	107%	90-110
Color	PCU	LCS	10/21/11	10/21/11	15	16	107%	90-110
Color	PCU	LCS	10/28/11	10/28/11	15	16	107%	90-110
Color	PCU	LCS	11/04/11	11/04/11	15	15	100%	90-110
Color	PCU	LCS	11/04/11	11/04/11	15	15	100%	90-110
Color	PCU	LCS	11/09/11	11/09/11	15	15	100%	90-110
Color	PCU	LCS	11/16/11	11/16/11	15	16	107%	90-110
Color	PCU	LCS	11/22/11	11/22/11	15	16	107%	90-110
Color	PCU	LCS	12/02/11	12/02/11	15	16	107%	90-110
Color	PCU	LCS	12/08/11	12/08/11	15	16	107%	90-110
Color	PCU	LCS	12/15/11	12/15/11	15	16	107%	90-110
Color	PCU	LCS	12/21/11	12/21/11	15	16	107%	90-110
Color	PCU	LCS	01/05/12	01/05/12	20	21	105%	90-110
Color	PCU	LCS	01/18/12	01/18/12	20	21	105%	90-110
Color	PCU	LCS	01/29/12	01/29/12	20	21	105%	90-110
Color	PCU	LCS	02/03/12	02/03/12	20	20	100%	90-110
Color	PCU	LCS	02/10/12	02/10/12	20	20	100%	90-110
Color	PCU	LCS	02/17/12	02/17/12	20	20	100%	90-110
Color	PCU	LCS	02/23/12	02/23/12	20	21	105%	90-110
Color	PCU	LCS	03/01/12	03/01/12	20	21	105%	90-110
Color	PCU	LCS	03/08/12	03/08/12	20	21	105%	90-110
Color	PCU	LCS	03/16/12	03/16/12	20	21	105%	90-110
Color	PCU	LCS	03/23/12	03/23/12	20	21	105%	90-110
Color	PCU	LCS	03/30/12	03/30/12	20	21	105%	90-110
Color	PCU	LCS	04/06/12	04/06/12	40	42	105%	90-110
Color	PCU	LCS	04/12/12	04/12/12	40	42	105%	90-110
Color	PCU	LCS	04/20/12	04/20/12	40	42	105%	90-110
Color	PCU	LCS	04/25/12	04/25/12	40	42	105%	90-110
Color	PCU	LCS	05/02/12	05/02/12	40	41	103%	90-110
Color	PCU	LCS	05/11/12	05/11/12	40	41	103%	90-110

F.4 Continuing Calibration Verification

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Alkalinity	mg/l	CCV	05/20/11	05/20/11	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	CCV	05/31/11	05/31/11	10.2	10.0	98%	91 - 109
Alkalinity	mg/l	CCV	05/31/11	05/31/11	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	CCV	06/06/11	06/06/11	10.4	10.0	96%	91 - 109
Alkalinity	mg/l	CCV	06/11/11	06/11/11	10.6	11.0	104%	91 - 109
Alkalinity	mg/l	CCV	06/16/11	06/16/11	10.4	10.2	98%	91 - 109
Alkalinity	mg/l	CCV	06/29/11	06/29/11	10.6	10.6	100%	91 - 109
Alkalinity	mg/l	CCV	06/29/11	06/29/11	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	CCV	07/11/11	07/11/11	8.6	8.6	100%	91 - 109
Alkalinity	mg/l	CCV	07/15/11	07/15/11	8.4	8.2	98%	91 - 109
Alkalinity	mg/l	CCV	07/25/11	07/25/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	CCV	07/26/11	07/26/11	8.6	8.2	96%	91 - 109
Alkalinity	mg/l	CCV	08/01/11	08/01/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	CCV	08/12/11	08/12/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	CCV	08/12/11	08/12/11	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	CCV	08/22/11	08/22/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	CCV	08/30/11	08/30/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	CCV	09/09/11	09/09/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	CCV	09/16/11	09/16/11	8.6	8.4	98%	91 - 109
Alkalinity	mg/l	CCV	09/22/11	09/22/11	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	CCV	10/03/11	10/03/11	12.6	12.8	102%	91 - 109
Alkalinity	mg/l	CCV	10/07/11	10/07/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	10/17/11	10/17/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	10/24/11	10/24/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	10/27/11	10/27/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	10/31/11	10/31/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	11/07/11	11/07/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	11/07/11	11/07/11	12.4	12.6	102%	91 - 109
Alkalinity	mg/l	CCV	11/10/11	11/10/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	11/22/11	11/22/11	12.4	11.8	96%	91 - 109
Alkalinity	mg/l	CCV	11/22/11	11/22/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	11/28/11	11/28/11	12.6	12.2	97%	91 - 109
Alkalinity	mg/l	CCV	12/05/11	12/05/11	12.4	12.8	103%	91 - 109
Alkalinity	mg/l	CCV	12/05/11	12/05/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	12/12/11	12/12/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	12/19/11	12/19/11	12.6	12.4	98%	91 - 109
Alkalinity	mg/l	CCV	12/21/11	12/21/11	12.6	12.2	97%	91 - 109
Alkalinity	mg/l	CCV	12/21/11	12/21/11	12.6	12.6	100%	91 - 109
Alkalinity	mg/l	CCV	01/10/12	01/10/12	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	CCV	01/17/12	01/17/12	10.6	10.8	102%	91 - 109
Alkalinity	mg/l	CCV	01/30/12	01/30/12	10.4	10.0	96%	91 - 109
Alkalinity	mg/l	CCV	02/07/12	02/07/12	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	CCV	02/13/12	02/13/12	10.6	10.4	98%	91 - 109
Alkalinity	mg/l	CCV	02/17/12	02/17/12	10.6	10.2	96%	91 - 109
Alkalinity	mg/l	CCV	03/05/12	03/05/12	10.6	10.8	102%	91 - 109
Alkalinity	mg/l	CCV	03/07/12	03/07/12	10.4	10.6	102%	91 - 109
Alkalinity	mg/l	CCV	03/19/12	03/19/12	10.6	10.2	96%	91 - 109
Alkalinity	mg/l	CCV	03/20/12	03/20/12	10.4	10.8	104%	91 - 109
Alkalinity	mg/l	CCV	04/02/12	04/02/12	8.4	8.4	100%	91 - 109
Alkalinity	mg/l	CCV	04/06/12	04/06/12	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	CCV	04/13/12	04/13/12	8.6	8.6	100%	91 - 109
Alkalinity	mg/l	CCV	04/20/12	04/20/12	8.6	8.2	95%	91 - 109
Alkalinity	mg/l	CCV	04/25/12	04/25/12	8.4	8.6	102%	91 - 109
Alkalinity	mg/l	CCV	05/03/12	05/03/12	8.6	8.8	102%	91 - 109
Alkalinity	mg/l	CCV	05/10/12	05/10/12	8.4	8.2	98%	91 - 109
Alkalinity	mg/l	CCV	05/17/12	05/17/12	8.4	8.6	102%	91 - 109

Continuing Calbration Verification Recovery
for Tropical Farms collected from
May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Turbidity	NTU	CCV	05/19/11	05/19/11	40.1	39.3	98%	90-110
Turbidity	NTU	CCV	05/27/11	05/27/11	40.0	39.0	98%	90-110
Turbidity	NTU	CCV	06/03/11	06/03/11	40.1	39.0	97%	90-110
Turbidity	NTU	CCV	06/09/11	06/09/11	40.2	40.1	100%	90-110
Turbidity	NTU	CCV	06/24/11	06/24/11	40.1	39.0	97%	90-110
Turbidity	NTU	CCV	07/03/11	07/03/11	40.2	39.4	98%	90-110
Turbidity	NTU	CCV	07/08/11	07/08/11	40.1	41.9	104%	90-110
Turbidity	NTU	CCV	07/21/11	07/21/11	40.0	38.8	97%	90-110
Turbidity	NTU	CCV	07/27/11	07/27/11	40.1	39.2	98%	90-110
Turbidity	NTU	CCV	08/04/11	08/04/11	40.2	39.0	97%	90-110
Turbidity	NTU	CCV	08/19/11	08/19/11	40.2	40.2	100%	90-110
Turbidity	NTU	CCV	08/26/11	08/26/11	40.0	38.5	96%	90-110
Turbidity	NTU	CCV	09/08/11	09/08/11	40.1	38.7	97%	90-110
Turbidity	NTU	CCV	09/16/11	09/16/11	40.2	40.1	100%	90-110
Turbidity	NTU	CCV	09/22/11	09/22/11	40.2	39.8	99%	90-110
Turbidity	NTU	CCV	09/30/11	09/30/11	40.3	39.8	99%	90-110
Turbidity	NTU	CCV	10/06/11	10/06/11	40.1	39.9	100%	90-110
Turbidity	NTU	CCV	10/21/11	10/21/11	40.0	39.6	99%	90-110
Turbidity	NTU	CCV	10/28/11	10/28/11	40.1	39.9	100%	90-110
Turbidity	NTU	CCV	11/04/11	11/04/11	40.1	38.3	96%	90-110
Turbidity	NTU	CCV	11/10/11	11/10/11	40.1	39.2	98%	90-110
Turbidity	NTU	CCV	11/18/11	11/18/11	40.1	40.1	100%	90-110
Turbidity	NTU	CCV	12/01/11	12/01/11	40.2	39.8	99%	90-110
Turbidity	NTU	CCV	12/28/11	12/28/11	40.2	40.1	100%	90-110
Turbidity	NTU	CCV	12/09/11	12/09/11	40.4	40.1	99%	90-110
Turbidity	NTU	CCV	12/22/11	12/22/11	40.3	40.4	100%	90-110
Turbidity	NTU	CCV	01/05/12	01/05/12	10.3	9.4	91%	90-110
Turbidity	NTU	CCV	01/05/12	01/05/12	10.0	9.7	97%	90-110
Turbidity	NTU	CCV	01/18/12	01/18/12	10.2	9.7	95%	90-110
Turbidity	NTU	CCV	01/28/12	01/28/12	10.3	9.8	95%	90-110
Turbidity	NTU	CCV	02/05/12	02/05/12	10.2	9.8	96%	90-110
Turbidity	NTU	CCV	02/10/12	02/10/12	10.2	9.8	96%	90-110
Turbidity	NTU	CCV	02/17/12	02/17/12	10.3	9.8	95%	90-110
Turbidity	NTU	CCV	03/02/12	03/02/12	10.3	10.3	100%	90-110
Turbidity	NTU	CCV	03/08/12	03/08/12	10.3	9.2	89%	90-110
Turbidity	NTU	CCV	03/16/12	03/16/12	10.3	9.2	89%	90-110
Turbidity	NTU	CCV	03/23/12	03/23/12	10.1	9.5	94%	90-110
Turbidity	NTU	CCV	03/30/12	03/30/12	10.1	9.6	95%	90-110
Turbidity	NTU	CCV	04/06/12	04/06/12	10.4	9.4	90%	90-110
Turbidity	NTU	CCV	04/13/12	04/13/12	10.2	9.9	97%	90-110
Turbidity	NTU	CCV	04/20/12	04/20/12	10.2	9.5	93%	90-110
Turbidity	NTU	CCV	04/24/12	04/24/12	10.1	9.2	91%	90-110
Turbidity	NTU	CCV	05/02/12	05/02/12	10.2	9.5	93%	90-110
Turbidity	NTU	CCV	05/10/12	05/10/12	10.2	9.7	95%	90-110

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
SRP	µg/l	CCV	06/01/11	06/01/11	100	102	102%	90-110
SRP	µg/l	CCV	06/02/11	06/02/11	100	105	105%	90-110
SRP	µg/l	CCV	06/07/11	06/07/11	100	103	103%	90-110
SRP	µg/l	CCV	06/29/11	06/29/11	100	101	101%	90-110
SRP	µg/l	CCV	07/05/11	07/05/11	100	103	103%	90-110
SRP	µg/l	CCV	07/05/11	07/05/11	100	102	102%	90-110
SRP	µg/l	CCV	07/11/11	07/11/11	100	102	102%	90-110
SRP	µg/l	CCV	07/15/11	07/15/11	100	106	106%	90-110
SRP	µg/l	CCV	07/25/11	07/25/11	100	96	96%	90-110
SRP	µg/l	CCV	08/01/11	08/01/11	100	101	101%	90-110
SRP	µg/l	CCV	08/18/11	08/18/11	100	106	106%	90-110
SRP	µg/l	CCV	08/23/11	08/23/11	100	101	101%	90-110
SRP	µg/l	CCV	09/09/11	09/09/11	100	97	97%	90-110
SRP	µg/l	CCV	09/19/11	09/19/11	100	99	99%	90-110
SRP	µg/l	CCV	09/22/11	09/22/11	100	99	99%	90-110
SRP	µg/l	CCV	10/10/11	10/10/11	100	107	107%	90-110
SRP	µg/l	CCV	10/25/11	10/25/11	100	106	106%	90-110
SRP	µg/l	CCV	10/31/11	10/31/11	100	108	108%	90-110
SRP	µg/l	CCV	11/04/11	11/04/11	100	102	102%	90-110
SRP	µg/l	CCV	11/14/11	11/14/11	100	102	102%	90-110
SRP	µg/l	CCV	11/23/11	11/23/11	100	91	91%	90-110
SRP	µg/l	CCV	12/02/11	12/02/11	100	100	100%	90-110
SRP	µg/l	CCV	12/09/11	12/09/11	100	100	100%	90-110
SRP	µg/l	CCV	12/16/11	12/16/11	100	99	99%	90-110
SRP	µg/l	CCV	01/06/12	01/06/12	100	94	94%	90-110
SRP	µg/l	CCV	01/18/12	01/18/12	100	95	95%	90-110
SRP	µg/l	CCV	01/18/12	01/18/12	100	96	96%	90-110
SRP	µg/l	CCV	01/27/12	01/27/12	100	97	97%	90-110
SRP	µg/l	CCV	02/08/12	02/08/12	100	101	101%	90-110
SRP	µg/l	CCV	02/10/12	02/10/12	100	101	101%	90-110
SRP	µg/l	CCV	02/18/12	02/18/12	100	97	97%	90-110
SRP	µg/l	CCV	02/22/12	02/22/12	100	101	101%	90-110
SRP	µg/l	CCV	03/02/12	03/02/12	100	97	97%	90-110
SRP	µg/l	CCV	03/16/12	03/16/12	100	98	98%	90-110
SRP	µg/l	CCV	04/02/12	04/02/12	100	99	99%	90-110
SRP	µg/l	CCV	04/06/12	04/06/12	100	100	100%	90-110
SRP	µg/l	CCV	04/17/12	04/17/12	100	104	104%	90-110
SRP	µg/l	CCV	04/20/12	04/20/12	100	100	100%	90-110
SRP	µg/l	CCV	04/20/12	04/20/12	100	98	98%	90-110
SRP	µg/l	CCV	04/25/12	04/25/12	100	98	98%	90-110
SRP	µg/l	CCV	05/02/12	05/02/12	100	104	104%	90-110
SRP	µg/l	CCV	05/11/12	05/11/12	100	100	100%	90-110

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
NOX-N	µg/l	CCV	06/01/11	06/01/11	1000	1004	100%	90-110
NOX-N	µg/l	CCV	06/02/11	06/02/11	1000	974	97%	90-110
NOX-N	µg/l	CCV	06/07/11	06/07/11	1000	999	100%	90-110
NOX-N	µg/l	CCV	06/29/11	06/29/11	1000	991	99%	90-110
NOX-N	µg/l	CCV	07/05/11	07/05/11	1000	989	99%	90-110
NOX-N	µg/l	CCV	07/11/11	07/11/11	1000	999	100%	90-110
NOX-N	µg/l	CCV	07/15/11	07/15/11	1000	996	100%	90-110
NOX-N	µg/l	CCV	07/25/11	07/25/11	1000	982	98%	90-110
NOX-N	µg/l	CCV	08/01/11	08/01/11	1000	1002	100%	90-110
NOX-N	µg/l	CCV	08/18/11	08/18/11	1000	995	100%	90-110
NOX-N	µg/l	CCV	08/23/11	08/23/11	1000	1002	100%	90-110
NOX-N	µg/l	CCV	09/09/11	09/09/11	1000	998	100%	90-110
NOX-N	µg/l	CCV	09/19/11	09/19/11	1000	999	100%	90-110
NOX-N	µg/l	CCV	09/22/11	09/22/11	1000	1049	105%	90-110
NOX-N	µg/l	CCV	10/10/11	10/10/11	1000	1011	101%	90-110
NOX-N	µg/l	CCV	10/25/11	10/25/11	1000	1024	102%	90-110
NOX-N	µg/l	CCV	10/31/11	10/31/11	1000	1039	104%	90-110
NOX-N	µg/l	CCV	11/04/11	11/04/11	1000	1037	104%	90-110
NOX-N	µg/l	CCV	11/11/11	11/11/11	1000	1004	100%	90-110
NOX-N	µg/l	CCV	11/23/11	11/23/11	1000	1014	101%	90-110
NOX-N	µg/l	CCV	12/02/11	12/02/11	1000	1012	101%	90-110
NOX-N	µg/l	CCV	12/09/11	12/09/11	1000	1008	101%	90-110
NOX-N	µg/l	CCV	12/16/11	12/16/11	1000	1087	109%	90-110
NOX-N	µg/l	CCV	01/06/12	01/06/12	100	105	105%	90-110
NOX-N	µg/l	CCV	01/18/12	01/18/12	100	103	103%	90-110
NOX-N	µg/l	CCV	01/27/12	01/27/12	100	103	103%	90-110
NOX-N	µg/l	CCV	02/08/12	02/08/12	100	103	103%	90-110
NOX-N	µg/l	CCV	02/10/12	02/10/12	100	103	103%	90-110
NOX-N	µg/l	CCV	02/18/12	02/18/12	100	104	104%	90-110
NOX-N	µg/l	CCV	02/22/12	02/22/12	100	99	99%	90-110
NOX-N	µg/l	CCV	03/16/12	03/16/12	100	101	101%	90-110
NOX-N	µg/l	CCV	03/16/12	03/16/12	100	100	100%	90-110
NOX-N	µg/l	CCV	04/02/12	04/02/12	1000	1023	102%	90-110
NOX-N	µg/l	CCV	04/06/12	04/06/12	1000	1014	101%	90-110
NOX-N	µg/l	CCV	04/17/12	04/17/12	100	103	103%	90-110
NOX-N	µg/l	CCV	04/20/12	04/20/12	100	100	100%	90-110
NOX-N	µg/l	CCV	04/25/12	04/25/12	100	101	101%	90-110
NOX-N	µg/l	CCV	05/02/12	05/02/12	100	101	101%	90-110
NOX-N	µg/l	CCV	05/11/12	05/11/12	100	100	100%	90-110

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Ammonia	µg/l	CCV	06/24/11	06/24/11	400	413	103%	90-110
Ammonia	µg/l	CCV	06/27/11	06/27/11	400	402	101%	90-110
Ammonia	µg/l	CCV	06/28/11	06/28/11	400	419	105%	90-110
Ammonia	µg/l	CCV	07/13/11	07/13/11	400	415	104%	90-110
Ammonia	µg/l	CCV	07/29/11	07/29/11	400	381	95%	90-110
Ammonia	µg/l	CCV	08/08/11	08/08/11	400	417	104%	90-110
Ammonia	µg/l	CCV	08/31/11	08/31/11	400	395	99%	90-110
Ammonia	µg/l	CCV	09/01/11	09/01/11	400	385	96%	90-110
Ammonia	µg/l	CCV	09/01/11	09/01/11	400	407	102%	90-110
Ammonia	µg/l	CCV	09/20/11	09/20/11	400	397	99%	90-110
Ammonia	µg/l	CCV	09/29/11	09/29/11	400	417	104%	90-110
Ammonia	µg/l	CCV	10/14/11	10/14/11	400	398	100%	90-110
Ammonia	µg/l	CCV	11/02/11	11/02/11	400	426	107%	90-110
Ammonia	µg/l	CCV	11/03/11	11/03/11	400	409	102%	90-110
Ammonia	µg/l	CCV	11/16/11	11/16/11	400	426	107%	90-110
Ammonia	µg/l	CCV	11/29/11	11/29/11	400	402	101%	90-110
Ammonia	µg/l	CCV	11/29/11	11/29/11	400	401	100%	90-110
Ammonia	µg/l	CCV	12/08/11	12/08/11	400	402	101%	90-110
Ammonia	µg/l	CCV	12/20/11	12/20/11	400	408	102%	90-110
Ammonia	µg/l	CCV	01/17/12	01/17/12	100	105	105%	90-110
Ammonia	µg/l	CCV	01/18/12	01/18/12	100	107	107%	90-110
Ammonia	µg/l	CCV	02/06/12	02/06/12	100	100	100%	90-110
Ammonia	µg/l	CCV	02/21/12	02/21/12	100	99	99%	90-110
Ammonia	µg/l	CCV	02/28/12	02/28/12	100	91	91%	90-110
Ammonia	µg/l	CCV	03/05/12	03/05/12	100	100	100%	90-110
Ammonia	µg/l	CCV	03/27/12	03/27/12	100	91	91%	90-110
Ammonia	µg/l	CCV	04/06/12	04/06/12	100	95	95%	90-110
Ammonia	µg/l	CCV	04/23/12	04/23/12	100	103	103%	90-110
Ammonia	µg/l	CCV	04/26/12	04/26/12	100	106	106%	90-110
Ammonia	µg/l	CCV	05/02/12	05/02/12	100	103	103%	90-110
Ammonia	µg/l	CCV	05/30/12	05/30/12	100	106	106%	90-110

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Total N	µg/l	CCV	10/25/11	10/25/11	2000	1973	99%	90-110
Total N	µg/l	CCV	10/31/11	10/31/11	2000	1908	95%	90-110
Total N	µg/l	CCV	11/01/11	11/01/11	2000	1919	96%	90-110
Total N	µg/l	CCV	11/04/11	11/04/11	2000	1926	96%	90-110
Total N	µg/l	CCV	11/15/11	11/15/11	2000	1907	95%	90-110
Total N	µg/l	CCV	12/07/11	12/07/11	2000	1927	96%	90-110
Total N	µg/l	CCV	12/13/11	12/13/11	2000	2013	101%	90-110
Total N	µg/l	CCV	12/20/11	12/20/11	2000	1934	97%	90-110
Total N	µg/l	CCV	12/28/11	12/28/11	2000	2074	104%	90-110
Total N	µg/l	CCV	01/04/12	01/04/12	2000	2097	105%	90-110
Total N	µg/l	CCV	01/05/12	01/05/12	2000	2073	104%	90-110
Total N	µg/l	CCV	01/10/12	01/10/12	2000	2048	102%	90-110
Total N	µg/l	CCV	01/13/12	01/13/12	2000	1903	95%	90-110
Total N	µg/l	CCV	01/19/12	01/19/12	2000	1905	95%	90-110
Total N	µg/l	CCV	01/23/12	01/23/12	2000	2052	103%	90-110
Total N	µg/l	CCV	01/24/12	01/24/12	2000	2311	116%	90-110
Total N	µg/l	CCV	01/27/12	01/27/12	2000	2133	107%	90-110
Total N	µg/l	CCV	02/01/12	02/01/12	2000	2258	113%	90-110
Total N	µg/l	CCV	02/03/12	02/03/12	2000	2032	102%	90-110
Total N	µg/l	CCV	02/07/12	02/07/12	2000	1911	96%	90-110
Total N	µg/l	CCV	02/08/12	02/08/12	2000	2029	101%	90-110
Total N	µg/l	CCV	02/12/12	02/12/12	2000	2046	102%	90-110
Total N	µg/l	CCV	02/16/12	02/16/12	2000	2056	103%	90-110
Total N	µg/l	CCV	02/23/12	02/23/12	2000	2042	102%	90-110
Total N	µg/l	CCV	02/29/12	02/29/12	2000	2039	102%	90-110
Total N	µg/l	CCV	03/01/12	03/01/12	2000	2116	106%	90-110
Total N	µg/l	CCV	03/13/12	03/13/12	2500	2321	93%	90-110
Total N	µg/l	CCV	03/14/12	03/14/12	2500	2537	101%	90-110
Total N	µg/l	CCV	03/15/12	03/15/12	2500	2534	101%	90-110
Total N	µg/l	CCV	04/03/12	04/03/12	2500	2537	101%	90-110
Total N	µg/l	CCV	04/09/12	04/09/12	2500	2560	102%	90-110
Total N	µg/l	CCV	04/10/12	04/10/12	2500	2499	100%	90-110
Total N	µg/l	CCV	04/17/12	04/17/12	2500	2516	101%	90-110
Total N	µg/l	CCV	04/20/12	04/20/12	2500	2571	103%	90-110
Total N	µg/l	CCV	04/22/12	04/22/12	2500	2567	103%	90-110
Total N	µg/l	CCV	04/25/12	04/25/12	2500	2579	103%	90-110
Total N	µg/l	CCV	04/26/12	04/26/12	2500	2622	105%	90-110
Total N	µg/l	CCV	04/27/12	04/27/12	2500	2599	104%	90-110
Total N	µg/l	CCV	04/30/12	04/30/12	2500	2570	103%	90-110
Total N	µg/l	CCV	05/02/12	05/02/12	2500	2622	105%	90-110
Total N	µg/l	CCV	05/15/12	05/15/12	2500	2620	105%	90-110

Continuing Calibration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Total P	µg/l	CCV	10/25/11	10/25/11	200	201	101%	90-110
Total P	µg/l	CCV	10/31/11	10/31/11	200	205	103%	90-110
Total P	µg/l	CCV	11/01/11	11/01/11	200	211	106%	90-110
Total P	µg/l	CCV	11/04/11	11/04/11	200	207	104%	90-110
Total P	µg/l	CCV	11/15/11	11/15/11	200	206	103%	90-110
Total P	µg/l	CCV	12/07/11	12/07/11	200	208	104%	90-110
Total P	µg/l	CCV	12/13/11	12/13/11	200	208	104%	90-110
Total P	µg/l	CCV	12/20/11	12/20/11	200	204	102%	90-110
Total P	µg/l	CCV	12/28/11	12/28/11	200	215	108%	90-110
Total P	µg/l	CCV	01/04/12	01/04/12	250	246	98%	90-110
Total P	µg/l	CCV	01/05/12	01/05/12	250	233	93%	90-110
Total P	µg/l	CCV	01/10/12	01/10/12	250	246	98%	90-110
Total P	µg/l	CCV	01/13/12	01/13/12	250	247	99%	90-110
Total P	µg/l	CCV	01/19/12	01/19/12	250	231	92%	90-110
Total P	µg/l	CCV	01/23/12	01/23/12	250	228	91%	90-110
Total P	µg/l	CCV	01/24/12	01/24/12	250	236	94%	90-110
Total P	µg/l	CCV	01/27/12	01/27/12	250	236	94%	90-110
Total P	µg/l	CCV	02/01/12	02/01/12	250	245	98%	90-110
Total P	µg/l	CCV	02/03/12	02/03/12	250	249	100%	90-110
Total P	µg/l	CCV	02/07/12	02/07/12	250	241	96%	90-110
Total P	µg/l	CCV	02/08/12	02/08/12	250	234	94%	90-110
Total P	µg/l	CCV	02/12/12	02/12/12	250	251	100%	90-110
Total P	µg/l	CCV	02/16/12	02/16/12	250	248	99%	90-110
Total P	µg/l	CCV	02/23/12	02/23/12	250	243	97%	90-110
Total P	µg/l	CCV	02/29/12	02/29/12	250	239	96%	90-110
Total P	µg/l	CCV	03/01/12	03/01/12	250	248	99%	90-110
Total P	µg/l	CCV	03/13/12	03/13/12	250	253	101%	90-110
Total P	µg/l	CCV	03/14/12	03/14/12	250	247	99%	90-110
Total P	µg/l	CCV	03/15/12	03/15/12	250	252	101%	90-110
Total P	µg/l	CCV	04/03/12	04/03/12	250	256	102%	90-110
Total P	µg/l	CCV	04/09/12	04/09/12	250	247	99%	90-110
Total P	µg/l	CCV	04/10/12	04/10/12	250	250	100%	90-110
Total P	µg/l	CCV	04/17/12	04/17/12	250	243	97%	90-110
Total P	µg/l	CCV	04/20/12	04/20/12	250	233	93%	90-110
Total P	µg/l	CCV	04/22/12	04/22/12	250	247	99%	90-110
Total P	µg/l	CCV	04/25/12	04/25/12	250	236	94%	90-110
Total P	µg/l	CCV	04/26/12	04/26/12	250	236	94%	90-110
Total P	µg/l	CCV	04/26/12	04/26/12	250	245	98%	90-110
Total P	µg/l	CCV	04/27/12	04/27/12	250	249	100%	90-110
Total P	µg/l	CCV	04/30/12	04/30/12	250	241	96%	90-110
Total P	µg/l	CCV	05/02/12	05/02/12	250	234	94%	90-110
Total P	µg/l	CCV	05/15/12	05/15/12	250	251	100%	90-110
Total P	µg/l	CCV	06/12/12	06/12/12	250	248	99%	90-110

Continuing Calbration Verification Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	THEOR. CONC.	ACTUAL CONC.	% RECOVERY	ACCEPTANCE RANGE (%)
Color	PCU	CCV	05/27/11	05/27/11	30	30	100%	90-110
Color	PCU	CCV	06/04/11	06/04/11	30	30	100%	90-110
Color	PCU	CCV	06/10/11	06/10/11	30	31	103%	90-110
Color	PCU	CCV	06/25/11	06/25/11	30	31	103%	90-110
Color	PCU	CCV	07/02/11	07/02/11	30	30	100%	90-110
Color	PCU	CCV	07/22/11	07/22/11	30	30	100%	90-110
Color	PCU	CCV	08/04/11	08/04/11	30	30	100%	90-110
Color	PCU	CCV	08/11/11	08/11/11	30	30	100%	90-110
Color	PCU	CCV	08/18/11	08/18/11	30	30	100%	90-110
Color	PCU	CCV	09/08/11	09/08/11	30	30	100%	90-110
Color	PCU	CCV	09/16/11	09/16/11	30	30	100%	90-110
Color	PCU	CCV	09/21/11	09/21/11	30	30	100%	90-110
Color	PCU	CCV	10/07/11	10/07/11	30	31	103%	90-110
Color	PCU	CCV	10/12/11	10/12/11	30	31	103%	90-110
Color	PCU	CCV	10/12/11	10/12/11	30	30	100%	90-110
Color	PCU	CCV	10/21/11	10/21/11	30	30	100%	90-110
Color	PCU	CCV	10/28/11	10/28/11	30	30	100%	90-110
Color	PCU	CCV	11/04/11	11/04/11	30	30	100%	90-110
Color	PCU	CCV	11/04/11	11/04/11	30	30	100%	90-110
Color	PCU	CCV	11/09/11	11/09/11	30	30	100%	90-110
Color	PCU	CCV	11/16/11	11/16/11	30	30	100%	90-110
Color	PCU	CCV	11/22/11	11/22/11	30	30	100%	90-110
Color	PCU	CCV	12/02/11	12/02/11	30	30	100%	90-110
Color	PCU	CCV	12/08/11	12/08/11	30	30	100%	90-110
Color	PCU	CCV	12/15/11	12/15/11	30	30	100%	90-110
Color	PCU	CCV	12/21/11	12/21/11	30	30	100%	90-110
Color	PCU	CCV	01/05/12	01/05/12	20	20	100%	90-110
Color	PCU	CCV	01/18/12	01/18/12	20	20	100%	90-110
Color	PCU	CCV	01/29/12	01/29/12	20	20	100%	90-110
Color	PCU	CCV	02/03/12	02/03/12	20	20	100%	90-110
Color	PCU	CCV	02/10/12	02/10/12	20	20	100%	90-110
Color	PCU	CCV	02/17/12	02/17/12	20	20	100%	90-110
Color	PCU	CCV	02/23/12	02/23/12	20	20	100%	90-110
Color	PCU	CCV	03/01/12	03/01/12	20	20	100%	90-110
Color	PCU	CCV	03/08/12	03/08/12	20	20	100%	90-110
Color	PCU	CCV	03/16/12	03/16/12	20	20	100%	90-110
Color	PCU	CCV	03/23/12	03/23/12	20	20	100%	90-110
Color	PCU	CCV	03/30/12	03/30/12	20	20	100%	90-110
Color	PCU	CCV	04/06/12	04/06/12	20	20	100%	90-110
Color	PCU	CCV	04/12/12	04/12/12	20	20	100%	90-110
Color	PCU	CCV	04/20/12	04/20/12	20	20	100%	90-110
Color	PCU	CCV	04/25/12	04/25/12	20	20	100%	90-110
Color	PCU	CCV	05/02/12	05/02/12	20	20	100%	90-110
Color	PCU	CCV	05/11/12	05/11/12	20	20	100%	90-110

F.5 Method Blanks

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
pH	S.U.	Method Blank	05/20/11	05/20/11	5.61	5.00-6.00
pH	S.U.	Method Blank	05/31/11	05/31/11	5.69	5.00-6.00
pH	S.U.	Method Blank	05/31/11	05/31/11	5.72	5.00-6.00
pH	S.U.	Method Blank	06/06/11	06/06/11	5.63	5.00-6.00
pH	S.U.	Method Blank	06/11/11	06/11/11	5.71	5.00-6.00
pH	S.U.	Method Blank	06/16/11	06/16/11	5.68	5.00-6.00
pH	S.U.	Method Blank	06/29/11	06/29/11	5.61	5.00-6.00
pH	S.U.	Method Blank	06/29/11	06/29/11	5.61	5.00-6.00
pH	S.U.	Method Blank	07/11/11	07/11/11	5.63	5.00-6.00
pH	S.U.	Method Blank	07/15/11	07/15/11	5.61	5.00-6.00
pH	S.U.	Method Blank	07/25/11	07/25/11	5.63	5.00-6.00
pH	S.U.	Method Blank	07/26/11	07/26/11	5.73	5.00-6.00
pH	S.U.	Method Blank	08/01/11	08/01/11	5.79	5.00-6.00
pH	S.U.	Method Blank	08/12/11	08/12/11	5.60	5.00-6.00
pH	S.U.	Method Blank	08/12/11	08/12/11	5.63	5.00-6.00
pH	S.U.	Method Blank	08/22/11	08/22/11	5.84	5.00-6.00
pH	S.U.	Method Blank	08/22/11	08/22/11	5.78	5.00-6.00
pH	S.U.	Method Blank	08/30/11	08/30/11	5.74	5.00-6.00
pH	S.U.	Method Blank	9/9/011	9/9/011	5.71	5.00-6.00
pH	S.U.	Method Blank	09/16/11	09/16/11	5.71	5.00-6.00
pH	S.U.	Method Blank	09/22/11	09/22/11	5.64	5.00-6.00
pH	S.U.	Method Blank	10/03/11	10/03/11	5.59	5.00-6.00
pH	S.U.	Method Blank	10/07/11	10/07/11	5.55	5.00-6.00
pH	S.U.	Method Blank	10/17/11	10/17/11	5.57	5.00-6.00
pH	S.U.	Method Blank	10/17/11	10/17/11	5.61	5.00-6.00
pH	S.U.	Method Blank	10/24/11	10/24/11	5.64	5.00-6.00
pH	S.U.	Method Blank	10/27/11	10/27/11	5.61	5.00-6.00
pH	S.U.	Method Blank	10/31/11	10/31/11	5.61	5.00-6.00
pH	S.U.	Method Blank	11/07/11	11/07/11	5.61	5.00-6.00
pH	S.U.	Method Blank	11/07/11	11/07/11	5.63	5.00-6.00
pH	S.U.	Method Blank	11/10/11	11/10/11	5.61	5.00-6.00
pH	S.U.	Method Blank	11/22/11	11/22/11	5.62	5.00-6.00
pH	S.U.	Method Blank	11/22/11	11/22/11	5.63	5.00-6.00
pH	S.U.	Method Blank	11/28/11	11/28/11	5.61	5.00-6.00
pH	S.U.	Method Blank	12/05/11	12/05/11	5.61	5.00-6.00
pH	S.U.	Method Blank	12/05/11	12/05/11	5.64	5.00-6.00
pH	S.U.	Method Blank	12/12/11	12/12/11	5.64	5.00-6.00
pH	S.U.	Method Blank	12/19/11	12/19/11	5.63	5.00-6.00
pH	S.U.	Method Blank	12/21/11	12/21/11	5.57	5.00-6.00
pH	S.U.	Method Blank	12/21/11	12/21/11	5.62	5.00-6.00
pH	S.U.	Method Blank	01/10/12	01/10/12	5.61	5.00-6.00
pH	S.U.	Method Blank	01/17/12	01/17/12	5.57	5.00-6.00
pH	S.U.	Method Blank	01/17/12	01/17/12	5.63	5.00-6.00
pH	S.U.	Method Blank	01/17/12	01/17/12	5.67	5.00-6.00
pH	S.U.	Method Blank	01/30/12	01/30/12	5.61	5.00-6.00
pH	S.U.	Method Blank	02/07/12	02/07/12	5.52	5.00-6.00

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
pH	S.U.	Method Blank	02/13/12	02/13/12	5.63	5.00-6.00
pH	S.U.	Method Blank	02/12/12	02/12/12	5.64	5.00-6.00
pH	S.U.	Method Blank	02/17/12	02/17/12	5.66	5.00-6.00
pH	S.U.	Method Blank	02/17/12	02/17/12	5.64	5.00-6.00
pH	S.U.	Method Blank	03/05/12	03/05/12	5.67	5.00-6.00
pH	S.U.	Method Blank	03/07/12	03/07/12	5.58	5.00-6.00
pH	S.U.	Method Blank	03/07/12	03/07/12	5.64	5.00-6.00
pH	S.U.	Method Blank	03/19/12	03/19/12	5.61	5.00-6.00
pH	S.U.	Method Blank	03/20/12	03/20/12	5.63	5.00-6.00
pH	S.U.	Method Blank	03/20/12	03/20/12	5.63	5.00-6.00
pH	S.U.	Method Blank	04/02/12	04/02/12	5.67	5.00-6.00
pH	S.U.	Method Blank	04/06/12	04/06/12	5.67	5.00-6.00
pH	S.U.	Method Blank	04/13/12	04/13/12	5.7	5.00-6.00
pH	S.U.	Method Blank	04/20/12	04/20/12	5.6	5.00-6.00
pH	S.U.	Method Blank	04/20/12	04/20/12	5.6	5.00-6.00
pH	S.U.	Method Blank	04/25/12	04/25/12	5.7	5.00-6.00
pH	S.U.	Method Blank	05/03/12	05/03/12	5.6	5.00-6.00
pH	S.U.	Method Blank	05/10/12	05/10/12	5.57	5.00-6.00
pH	S.U.	Method Blank	05/10/12	05/10/12	5.57	5.00-6.00
pH	S.U.	Method Blank	05/17/12	05/17/12	5.55	5.00-6.00
Alkalinity	mg/l	Method Blank	05/20/11	05/20/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/31/11	05/31/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/31/11	05/31/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	06/06/11	06/06/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	06/11/11	06/11/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	06/16/11	06/16/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	06/29/11	06/29/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	06/29/11	06/29/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	07/11/11	07/11/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	07/15/11	07/15/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	07/25/11	07/25/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	07/26/11	07/26/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/01/11	08/01/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/12/11	08/12/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/12/11	08/12/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/22/11	08/22/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/22/11	08/22/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	08/30/11	08/30/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	09/09/11	09/09/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	09/16/11	09/16/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	09/22/11	09/22/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/03/11	10/03/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/07/11	10/07/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/17/11	10/17/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/17/11	10/17/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/24/11	10/24/11	<0.7	<0.7

Method Blank Recovery

for Tropical Farms collected from
May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Alkalinity	mg/l	Method Blank	10/27/11	10/27/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	10/31/11	10/31/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/07/11	11/07/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/07/11	11/07/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/10/11	11/10/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/22/11	11/22/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/22/11	11/22/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	11/28/11	11/28/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/05/11	12/05/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/05/11	12/05/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/12/11	12/12/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/19/11	12/19/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/21/11	12/21/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	12/21/11	12/21/11	<0.7	<0.7
Alkalinity	mg/l	Method Blank	01/10/12	01/10/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	01/17/12	01/17/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	01/17/12	01/17/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	01/17/12	01/17/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	01/30/12	01/30/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	02/07/12	02/07/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	02/13/12	02/13/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	02/13/12	02/13/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	02/17/12	02/17/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	02/17/12	02/17/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/05/12	03/05/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/07/12	03/07/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/07/12	03/07/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/19/12	03/19/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/20/12	03/20/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	03/20/12	03/20/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/02/12	04/02/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/06/12	04/06/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/13/12	04/13/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/20/12	04/20/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/20/12	04/20/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	04/25/12	04/25/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/03/12	05/03/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/10/12	05/10/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/10/12	05/10/12	<0.7	<0.7
Alkalinity	mg/l	Method Blank	05/17/12	05/17/12	<0.7	<0.7
Spec. Cond.	µmho/cm	Method Blank	06/03/11	06/03/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/03/11	06/03/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/03/11	06/03/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/03/11	06/03/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/03/11	06/03/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/29/11	06/29/11	<2.1	<2.1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Spec. Cond.	µmho/cm	Method Blank	06/29/11	06/29/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/29/11	06/29/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	06/29/11	06/29/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	07/18/11	07/18/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	07/18/11	07/18/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	07/25/11	07/25/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	07/25/11	07/25/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	07/25/11	07/25/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	08/15/11	08/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	08/15/11	08/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	08/26/11	08/26/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	08/30/11	08/30/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	09/15/11	09/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	09/28/11	09/28/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	09/28/11	09/28/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	09/28/11	09/28/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	09/28/11	09/28/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	10/26/11	10/26/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	10/26/11	10/26/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	11/09/11	11/09/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	11/15/11	11/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	11/15/11	11/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	11/15/11	11/15/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	12/06/11	12/06/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	12/06/11	12/06/11	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	01/13/12	01/13/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	01/25/12	01/25/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	01/25/12	01/25/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	01/25/12	01/25/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	01/25/12	01/25/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	02/08/12	02/08/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	02/08/12	02/08/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	02/20/12	02/20/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	02/20/12	02/20/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	03/06/12	03/06/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	03/06/12	03/06/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/02/12	04/02/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/02/12	04/02/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/16/12	04/16/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/16/12	04/16/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/26/12	04/26/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	04/26/12	04/26/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	05/03/12	05/03/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	05/03/12	05/03/12	<2.1	<2.1
Spec. Cond.	µmho/cm	Method Blank	05/21/12	05/21/12	<2.1	<2.1
Turbidity	NTU	Method Blank	05/19/11	05/19/11	<0.4	<0.4

Method Blank Recovery

for Tropical Farms collected from

May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Turbidity	NTU	Method Blank	05/27/11	05/27/11	<0.4	<0.4
Turbidity	NTU	Method Blank	06/03/11	06/03/11	<0.4	<0.4
Turbidity	NTU	Method Blank	06/09/11	06/09/11	<0.4	<0.4
Turbidity	NTU	Method Blank	06/24/11	06/24/11	<0.4	<0.4
Turbidity	NTU	Method Blank	07/03/11	07/03/11	<0.4	<0.4
Turbidity	NTU	Method Blank	07/08/11	07/08/11	<0.4	<0.4
Turbidity	NTU	Method Blank	07/21/11	07/21/11	<0.4	<0.4
Turbidity	NTU	Method Blank	07/27/11	07/27/11	<0.4	<0.4
Turbidity	NTU	Method Blank	08/04/11	08/04/11	<0.4	<0.4
Turbidity	NTU	Method Blank	08/04/11	08/04/11	<0.4	<0.4
Turbidity	NTU	Method Blank	08/19/11	08/19/11	<0.4	<0.4
Turbidity	NTU	Method Blank	08/26/11	08/26/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/08/11	09/08/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/08/11	09/08/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/16/11	09/16/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/16/11	09/16/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/22/11	09/22/11	<0.4	<0.4
Turbidity	NTU	Method Blank	09/30/11	09/30/11	<0.4	<0.4
Turbidity	NTU	Method Blank	10/06/11	10/06/11	<0.4	<0.4
Turbidity	NTU	Method Blank	10/21/11	10/21/11	<0.4	<0.4
Turbidity	NTU	Method Blank	10/28/11	10/28/11	<0.4	<0.4
Turbidity	NTU	Method Blank	11/04/11	11/04/11	<0.4	<0.4
Turbidity	NTU	Method Blank	11/04/11	11/04/11	<0.4	<0.4
Turbidity	NTU	Method Blank	11/10/11	11/10/11	<0.4	<0.4
Turbidity	NTU	Method Blank	11/18/11	11/18/11	<0.4	<0.4
Turbidity	NTU	Method Blank	12/01/11	12/01/11	<0.4	<0.4
Turbidity	NTU	Method Blank	12/28/11	12/28/11	<0.4	<0.4
Turbidity	NTU	Method Blank	12/01/11	12/01/11	<0.4	<0.4
Turbidity	NTU	Method Blank	12/09/11	12/09/11	<0.4	<0.4
Turbidity	NTU	Method Blank	12/22/11	12/22/11	<0.4	<0.4
Turbidity	NTU	Method Blank	01/05/12	01/05/12	<0.4	<0.4
Turbidity	NTU	Method Blank	01/05/12	01/05/12	<0.4	<0.4
Turbidity	NTU	Method Blank	01/18/12	01/18/12	<0.4	<0.4
Turbidity	NTU	Method Blank	01/28/12	01/28/12	<0.4	<0.4
Turbidity	NTU	Method Blank	02/05/12	02/05/12	<0.4	<0.4
Turbidity	NTU	Method Blank	02/05/12	02/05/12	<0.4	<0.4
Turbidity	NTU	Method Blank	02/10/12	02/10/12	<0.4	<0.4
Turbidity	NTU	Method Blank	02/17/12	02/17/12	<0.4	<0.4
Turbidity	NTU	Method Blank	03/02/12	03/02/12	<0.4	<0.4
Turbidity	NTU	Method Blank	03/08/12	03/08/12	<0.4	<0.4
Turbidity	NTU	Method Blank	03/16/12	03/16/12	<0.4	<0.4
Turbidity	NTU	Method Blank	03/23/12	03/23/12	<0.4	<0.4
Turbidity	NTU	Method Blank	03/30/12	03/30/12	<0.4	<0.4
Turbidity	NTU	Method Blank	04/06/12	04/06/12	<0.4	<0.4
Turbidity	NTU	Method Blank	04/13/12	04/13/12	<0.4	<0.4
Turbidity	NTU	Method Blank	04/20/12	04/20/12	<0.4	<0.4

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Turbidity	NTU	Method Blank	04/24/12	04/24/12	<0.4	<0.4
Turbidity	NTU	Method Blank	04/24/12	04/24/12	<0.4	<0.4
Turbidity	NTU	Method Blank	05/02/12	05/02/12	<0.4	<0.4
Turbidity	NTU	Method Blank	05/10/12	05/10/12	<0.4	<0.4
Turbidity	NTU	Method Blank	05/10/12	05/10/12	<0.4	<0.4
TSS	mg/l	Method Blank	05/23/11	05/23/11	<0.7	<0.7
TSS	mg/l	Method Blank	06/01/11	06/01/11	<0.7	<0.7
TSS	mg/l	Method Blank	06/08/11	06/08/11	<0.7	<0.7
TSS	mg/l	Method Blank	06/15/11	06/15/11	<0.7	<0.7
TSS	mg/l	Method Blank	06/23/11	06/23/11	<0.7	<0.7
TSS	mg/l	Method Blank	07/07/11	07/07/11	<0.7	<0.7
TSS	mg/l	Method Blank	07/07/11	07/07/11	<0.7	<0.7
TSS	mg/l	Method Blank	07/25/11	07/25/11	<0.7	<0.7
TSS	mg/l	Method Blank	08/09/11	08/09/11	<0.7	<0.7
TSS	mg/l	Method Blank	08/09/11	08/09/11	<0.7	<0.7
TSS	mg/l	Method Blank	08/22/11	08/22/11	<0.7	<0.7
TSS	mg/l	Method Blank	08/26/11	08/26/11	<0.7	<0.7
TSS	mg/l	Method Blank	09/08/11	09/08/11	<0.7	<0.7
TSS	mg/l	Method Blank	09/08/11	09/08/11	<0.7	<0.7
TSS	mg/l	Method Blank	09/30/11	09/30/11	<0.7	<0.7
TSS	mg/l	Method Blank	10/09/11	10/09/11	<0.7	<0.7
TSS	mg/l	Method Blank	10/09/11	10/09/11	<0.7	<0.7
TSS	mg/l	Method Blank	10/25/11	10/25/11	<0.7	<0.7
TSS	mg/l	Method Blank	11/10/11	11/10/11	<0.7	<0.7
TSS	mg/l	Method Blank	11/10/11	11/10/11	<0.7	<0.7
TSS	mg/l	Method Blank	11/22/11	11/22/11	<0.7	<0.7
TSS	mg/l	Method Blank	11/22/11	11/22/11	<0.7	<0.7
TSS	mg/l	Method Blank	12/04/11	12/04/11	<0.7	<0.7
TSS	mg/l	Method Blank	12/04/11	12/04/11	<0.7	<0.7
TSS	mg/l	Method Blank	12/09/11	12/09/11	<0.7	<0.7
TSS	mg/l	Method Blank	12/21/11	12/21/11	<0.7	<0.7
TSS	mg/l	Method Blank	12/23/11	12/23/11	<0.7	<0.7
TSS	mg/l	Method Blank	01/18/12	01/18/12	<0.7	<0.7
TSS	mg/l	Method Blank	02/01/12	02/01/12	<0.7	<0.7
TSS	mg/l	Method Blank	02/09/12	02/09/12	<0.7	<0.7
TSS	mg/l	Method Blank	02/15/12	02/15/12	<0.7	<0.7
TSS	mg/l	Method Blank	03/02/12	03/02/12	<0.7	<0.7
TSS	mg/l	Method Blank	03/02/12	03/02/12	<0.7	<0.7
TSS	mg/l	Method Blank	03/02/12	03/02/12	<0.7	<0.7
TSS	mg/l	Method Blank	03/20/12	03/20/12	<0.7	<0.7
TSS	mg/l	Method Blank	04/12/12	04/12/12	<0.7	<0.7
TSS	mg/l	Method Blank	04/12/12	04/12/12	<0.7	<0.7
TSS	mg/l	Method Blank	04/26/12	04/26/12	<0.7	<0.7
TSS	mg/l	Method Blank	05/04/12	05/04/12	<0.7	<0.7
TSS	mg/l	Method Blank	05/14/12	05/14/12	<0.7	<0.7
TSS	mg/l	Method Blank	05/14/12	05/14/12	<0.7	<0.7

Method Blank Recovery

for Tropical Farms collected from
May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
BOD	mg/l	Method Blank	05/30/11	05/30/11	<2.0	<2.0
BOD	mg/l	Method Blank	05/30/11	05/30/11	<2.0	<2.0
BOD	mg/l	Method Blank	05/30/11	05/30/11	<2.0	<2.0
BOD	mg/l	Method Blank	06/07/11	06/07/11	<2.0	<2.0
BOD	mg/l	Method Blank	06/07/11	06/07/11	<2.0	<2.0
BOD	mg/l	Method Blank	06/15/11	06/15/11	<2.0	<2.0
BOD	mg/l	Method Blank	06/25/11	06/25/11	<2.0	<2.0
BOD	mg/l	Method Blank	06/25/11	06/25/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/03/11	07/03/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/08/11	07/08/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/14/11	07/14/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/22/11	07/22/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/22/11	07/22/11	<2.0	<2.0
BOD	mg/l	Method Blank	07/28/11	07/28/11	<2.0	<2.0
BOD	mg/l	Method Blank	08/04/11	08/04/11	<2.0	<2.0
BOD	mg/l	Method Blank	08/12/11	08/12/11	<2.0	<2.0
BOD	mg/l	Method Blank	08/20/11	08/20/11	<2.0	<2.0
BOD	mg/l	Method Blank	08/26/11	08/26/11	<2.0	<2.0
BOD	mg/l	Method Blank	09/09/11	09/09/11	<2.0	<2.0
BOD	mg/l	Method Blank	09/16/11	09/16/11	<2.0	<2.0
BOD	mg/l	Method Blank	09/22/11	09/22/11	<2.0	<2.0
BOD	mg/l	Method Blank	09/30/11	09/30/11	<2.0	<2.0
BOD	mg/l	Method Blank	10/07/11	10/07/11	<2.0	<2.0
BOD	mg/l	Method Blank	10/14/11	10/14/11	<2.0	<2.0
BOD	mg/l	Method Blank	10/21/11	10/21/11	<2.0	<2.0
BOD	mg/l	Method Blank	10/29/11	10/29/11	<2.0	<2.0
BOD	mg/l	Method Blank	11/04/11	11/04/11	<2.0	<2.0
BOD	mg/l	Method Blank	11/11/11	11/11/11	<2.0	<2.0
BOD	mg/l	Method Blank	11/22/11	11/22/11	<2.0	<2.0
BOD	mg/l	Method Blank	12/02/11	12/02/11	<2.0	<2.0
BOD	mg/l	Method Blank	12/10/11	12/10/11	<2.0	<2.0
BOD	mg/l	Method Blank	12/17/11	12/17/11	<2.0	<2.0
BOD	mg/l	Method Blank	12/23/11	12/23/11	<2.0	<2.0
BOD	mg/l	Method Blank	12/30/11	12/30/11	<2.0	<2.0
BOD	mg/l	Method Blank	01/06/12	01/06/12	<2.0	<2.0
BOD	mg/l	Method Blank	01/18/12	01/18/12	<2.0	<2.0
BOD	mg/l	Method Blank	01/29/12	01/29/12	<2.0	<2.0
BOD	mg/l	Method Blank	02/03/12	02/03/12	<2.0	<2.0
BOD	mg/l	Method Blank	02/10/12	02/10/12	<2.0	<2.0
BOD	mg/l	Method Blank	02/17/12	02/17/12	<2.0	<2.0
BOD	mg/l	Method Blank	02/23/12	02/23/12	<2.0	<2.0
BOD	mg/l	Method Blank	03/03/12	03/03/12	<2.0	<2.0
BOD	mg/l	Method Blank	03/17/12	03/17/12	<2.0	<2.0
BOD	mg/l	Method Blank	03/24/12	03/24/12	<2.0	<2.0
BOD	mg/l	Method Blank	03/31/12	03/31/12	<2.0	<2.0
BOD	mg/l	Method Blank	04/06/12	04/06/12	<2.0	<2.0

Method Blank Recovery

for Tropical Farms collected from
May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
BOD	mg/l	Method Blank	04/12/12	04/12/12	<2.0	<2.0
BOD	mg/l	Method Blank	04/21/12	04/21/12	<2.0	<2.0
BOD	mg/l	Method Blank	04/26/12	04/26/12	<2.0	<2.0
BOD	mg/l	Method Blank	05/02/12	05/02/12	<2.0	<2.0
BOD	mg/l	Method Blank	05/11/12	05/11/12	<2.0	<2.0
BOD	mg/l	Method Blank	05/18/12	05/18/12	<2.0	<2.0
SRP	µg/l	Method Blank	06/01/11	06/01/11	<1	<1
SRP	µg/l	Method Blank	06/02/11	06/02/11	<1	<1
SRP	µg/l	Method Blank	06/07/11	06/07/11	<1	<1
SRP	µg/l	Method Blank	06/29/11	06/29/11	<1	<1
SRP	µg/l	Method Blank	07/05/11	07/05/11	<1	<1
SRP	µg/l	Method Blank	07/05/11	07/05/11	<1	<1
SRP	µg/l	Method Blank	07/11/11	07/11/11	<1	<1
SRP	µg/l	Method Blank	07/15/11	07/15/11	<1	<1
SRP	µg/l	Method Blank	07/25/11	07/25/11	<1	<1
SRP	µg/l	Method Blank	07/25/11	07/25/11	<1	<1
SRP	µg/l	Method Blank	08/01/11	08/01/11	<1	<1
SRP	µg/l	Method Blank	08/18/11	08/18/11	<1	<1
SRP	µg/l	Method Blank	08/23/11	08/23/11	<1	<1
SRP	µg/l	Method Blank	08/23/11	08/23/11	<1	<1
SRP	µg/l	Method Blank	09/09/11	09/09/11	<1	<1
SRP	µg/l	Method Blank	09/09/11	09/09/11	<1	<1
SRP	µg/l	Method Blank	09/19/11	09/19/11	<1	<1
SRP	µg/l	Method Blank	09/22/11	09/22/11	<1	<1
SRP	µg/l	Method Blank	10/10/11	10/10/11	<1	<1
SRP	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
SRP	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
SRP	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
SRP	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
SRP	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
SRP	µg/l	Method Blank	11/14/11	11/14/11	<1	<1
SRP	µg/l	Method Blank	11/23/11	11/23/11	<1	<1
SRP	µg/l	Method Blank	11/23/11	11/23/11	<1	<1
SRP	µg/l	Method Blank	12/02/11	12/02/11	<1	<1
SRP	µg/l	Method Blank	12/02/11	12/02/11	<1	<1
SRP	µg/l	Method Blank	12/09/11	12/09/11	<1	<1
SRP	µg/l	Method Blank	12/16/11	12/16/11	<1	<1
SRP	µg/l	Method Blank	12/16/11	12/16/11	<1	<1
SRP	µg/l	Method Blank	01/06/12	01/06/12	<1	<1
SRP	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
SRP	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
SRP	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
SRP	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
SRP	µg/l	Method Blank	02/08/12	02/08/12	<1	<1
SRP	µg/l	Method Blank	02/10/12	02/10/12	<1	<1
SRP	µg/l	Method Blank	02/18/12	02/18/12	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
SRP	µg/l	Method Blank	02/22/12	02/22/12	<1	<1
SRP	µg/l	Method Blank	03/02/12	03/02/12	<1	<1
SRP	µg/l	Method Blank	03/16/12	03/16/12	<1	<1
SRP	µg/l	Method Blank	03/16/12	03/16/12	<1	<1
SRP	µg/l	Method Blank	04/02/12	04/02/12	<1	<1
SRP	µg/l	Method Blank	04/06/12	04/06/12	<1	<1
SRP	µg/l	Method Blank	04/17/12	04/17/12	<1	<1
SRP	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
SRP	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
SRP	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
SRP	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
SRP	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
SRP	µg/l	Method Blank	05/11/12	05/11/12	<1	<1
NOX-N	µg/l	Method Blank	06/01/11	06/01/11	<1	<1
NOX-N	µg/l	Method Blank	06/02/11	06/02/11	<1	<1
NOX-N	µg/l	Method Blank	06/07/11	06/07/11	<1	<1
NOX-N	µg/l	Method Blank	06/29/11	06/29/11	<1	<1
NOX-N	µg/l	Method Blank	07/05/11	07/05/11	<1	<1
NOX-N	µg/l	Method Blank	07/05/11	07/05/11	<1	<1
NOX-N	µg/l	Method Blank	07/11/11	07/11/11	<1	<1
NOX-N	µg/l	Method Blank	07/15/11	07/15/11	<1	<1
NOX-N	µg/l	Method Blank	07/25/11	07/25/11	<1	<1
NOX-N	µg/l	Method Blank	07/25/11	07/25/11	<1	<1
NOX-N	µg/l	Method Blank	08/01/11	08/01/11	<1	<1
NOX-N	µg/l	Method Blank	08/18/11	08/18/11	<1	<1
NOX-N	µg/l	Method Blank	08/23/11	08/23/11	<1	<1
NOX-N	µg/l	Method Blank	08/23/11	08/23/11	<1	<1
NOX-N	µg/l	Method Blank	09/09/11	09/09/11	<1	<1
NOX-N	µg/l	Method Blank	09/09/11	09/09/11	<1	<1
NOX-N	µg/l	Method Blank	09/19/11	09/19/11	<1	<1
NOX-N	µg/l	Method Blank	09/22/11	09/22/11	<1	<1
NOX-N	µg/l	Method Blank	10/10/11	10/10/11	<1	<1
NOX-N	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
NOX-N	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
NOX-N	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
NOX-N	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
NOX-N	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
NOX-N	µg/l	Method Blank	11/11/11	11/11/11	<1	<1
NOX-N	µg/l	Method Blank	11/23/11	11/23/11	<1	<1
NOX-N	µg/l	Method Blank	11/23/11	11/23/11	<1	<1
NOX-N	µg/l	Method Blank	12/02/11	12/02/11	<1	<1
NOX-N	µg/l	Method Blank	12/02/11	12/02/11	<1	<1
NOX-N	µg/l	Method Blank	12/09/11	12/09/11	<1	<1
NOX-N	µg/l	Method Blank	12/16/11	12/16/11	<1	<1
NOX-N	µg/l	Method Blank	12/16/11	12/16/11	<1	<1
NOX-N	µg/l	Method Blank	01/06/12	01/06/12	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
NOX-N	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
NOX-N	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
NOX-N	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
NOX-N	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
NOX-N	µg/l	Method Blank	02/08/12	02/08/12	<1	<1
NOX-N	µg/l	Method Blank	02/10/12	02/10/12	<1	<1
NOX-N	µg/l	Method Blank	02/18/12	02/18/12	<1	<1
NOX-N	µg/l	Method Blank	02/22/12	02/22/12	<1	<1
NOX-N	µg/l	Method Blank	03/16/12	03/16/12	<1	<1
NOX-N	µg/l	Method Blank	03/16/12	03/16/12	<1	<1
NOX-N	µg/l	Method Blank	04/02/12	04/02/12	<1	<1
NOX-N	µg/l	Method Blank	04/06/12	04/06/12	<1	<1
NOX-N	µg/l	Method Blank	04/17/12	04/17/12	<1	<1
NOX-N	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
NOX-N	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
NOX-N	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
NOX-N	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
NOX-N	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
NOX-N	µg/l	Method Blank	05/11/12	05/11/12	<1	<1
Ammonia	µg/l	Method Blank	06/24/11	06/24/11	<1	<1
Ammonia	µg/l	Method Blank	06/27/11	06/27/11	<1	<1
Ammonia	µg/l	Method Blank	06/27/11	06/27/11	<1	<1
Ammonia	µg/l	Method Blank	06/28/11	06/28/11	<1	<1
Ammonia	µg/l	Method Blank	06/28/11	06/28/11	<1	<1
Ammonia	µg/l	Method Blank	07/13/11	07/13/11	<1	<1
Ammonia	µg/l	Method Blank	07/29/11	07/29/11	<1	<1
Ammonia	µg/l	Method Blank	08/08/11	08/08/11	<1	<1
Ammonia	µg/l	Method Blank	08/08/11	08/08/11	<1	<1
Ammonia	µg/l	Method Blank	08/31/11	08/31/11	<1	<1
Ammonia	µg/l	Method Blank	09/01/11	09/01/11	<1	<1
Ammonia	µg/l	Method Blank	09/01/11	09/01/11	<1	<1
Ammonia	µg/l	Method Blank	09/20/11	09/20/11	<1	<1
Ammonia	µg/l	Method Blank	09/20/11	09/20/11	<1	<1
Ammonia	µg/l	Method Blank	09/29/11	09/29/11	<1	<1
Ammonia	µg/l	Method Blank	09/29/11	09/29/11	<1	<1
Ammonia	µg/l	Method Blank	10/14/11	10/14/11	<1	<1
Ammonia	µg/l	Method Blank	11/02/11	11/02/11	<1	<1
Ammonia	µg/l	Method Blank	11/03/11	11/03/11	<1	<1
Ammonia	µg/l	Method Blank	11/03/11	11/03/11	<1	<1
Ammonia	µg/l	Method Blank	11/03/11	11/03/11	<1	<1
Ammonia	µg/l	Method Blank	11/16/11	11/16/11	<1	<1
Ammonia	µg/l	Method Blank	11/16/11	11/16/11	<1	<1
Ammonia	µg/l	Method Blank	11/16/11	11/16/11	<1	<1
Ammonia	µg/l	Method Blank	11/29/11	11/29/11	<1	<1
Ammonia	µg/l	Method Blank	11/29/11	11/29/11	<1	<1
Ammonia	µg/l	Method Blank	12/08/11	12/08/11	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Ammonia	µg/l	Method Blank	12/08/11	12/08/11	<1	<1
Ammonia	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Ammonia	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Ammonia	µg/l	Method Blank	01/17/12	01/17/12	<1	<1
Ammonia	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
Ammonia	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
Ammonia	µg/l	Method Blank	01/18/12	01/18/12	<1	<1
Ammonia	µg/l	Method Blank	02/06/12	02/06/12	<1	<1
Ammonia	µg/l	Method Blank	02/06/12	02/06/12	<1	<1
Ammonia	µg/l	Method Blank	02/21/12	02/21/12	<1	<1
Ammonia	µg/l	Method Blank	02/21/12	02/21/12	<1	<1
Ammonia	µg/l	Method Blank	02/21/12	02/21/12	<1	<1
Ammonia	µg/l	Method Blank	02/28/12	02/28/12	<1	<1
Ammonia	µg/l	Method Blank	03/05/12	03/05/12	<1	<1
Ammonia	µg/l	Method Blank	03/27/12	03/27/12	<1	<1
Ammonia	µg/l	Method Blank	03/27/12	03/27/12	<1	<1
Ammonia	µg/l	Method Blank	04/06/12	04/06/12	<1	<1
Ammonia	µg/l	Method Blank	04/06/12	04/06/12	<1	<1
Ammonia	µg/l	Method Blank	04/23/12	04/23/12	<1	<1
Ammonia	µg/l	Method Blank	04/26/12	04/26/12	<1	<1
Ammonia	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
Ammonia	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
Ammonia	µg/l	Method Blank	05/30/12	05/30/12	<1	<1
Total N	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
Total N	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
Total N	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total N	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total N	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total N	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total N	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total N	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total N	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total N	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
Total N	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
Total N	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total N	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total N	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total N	µg/l	Method Blank	12/07/11	12/07/11	<1	<1
Total N	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total N	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total N	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total N	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total N	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total N	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total N	µg/l	Method Blank	12/28/11	12/28/11	<1	<1
Total N	µg/l	Method Blank	12/28/11	12/28/11	<1	<1

Method Blank Recovery

for Tropical Farms collected from

May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Total N	µg/l	Method Blank	01/04/12	01/04/12	<1	<1
Total N	µg/l	Method Blank	01/04/12	01/04/12	<1	<1
Total N	µg/l	Method Blank	01/05/12	01/05/12	<1	<1
Total N	µg/l	Method Blank	01/10/12	01/10/12	<1	<1
Total N	µg/l	Method Blank	01/10/12	01/10/12	<1	<1
Total N	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total N	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total N	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total N	µg/l	Method Blank	01/19/12	01/19/12	<1	<1
Total N	µg/l	Method Blank	01/23/12	01/23/12	<1	<1
Total N	µg/l	Method Blank	01/23/12	01/23/12	<1	<1
Total N	µg/l	Method Blank	01/24/12	01/24/12	<1	<1
Total N	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
Total N	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
Total N	µg/l	Method Blank	02/01/12	02/01/12	<1	<1
Total N	µg/l	Method Blank	02/03/12	02/03/12	<1	<1
Total N	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total N	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total N	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total N	µg/l	Method Blank	02/08/12	02/08/12	<1	<1
Total N	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total N	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total N	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total N	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total N	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total N	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total N	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total N	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total N	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total N	µg/l	Method Blank	02/29/12	02/29/12	<1	<1
Total N	µg/l	Method Blank	02/29/12	02/29/12	<1	<1
Total N	µg/l	Method Blank	03/01/12	03/01/12	<1	<1
Total N	µg/l	Method Blank	03/13/12	03/13/12	<1	<1
Total N	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total N	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total N	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total N	µg/l	Method Blank	03/15/12	03/15/12	<1	<1
Total N	µg/l	Method Blank	03/15/12	03/15/12	<1	<1
Total N	µg/l	Method Blank	04/03/12	04/03/12	<1	<1
Total N	µg/l	Method Blank	04/03/12	04/03/12	<1	<1
Total N	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total N	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total N	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total N	µg/l	Method Blank	04/10/12	04/10/12	<1	<1
Total N	µg/l	Method Blank	04/10/12	04/10/12	<1	<1
Total N	µg/l	Method Blank	04/17/12	04/17/12	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Total N	µg/l	Method Blank	04/17/12	04/17/12	<1	<1
Total N	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
Total N	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total N	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total N	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total N	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total N	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
Total N	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
Total N	µg/l	Method Blank	04/26/12	04/26/12	<1	<1
Total N	µg/l	Method Blank	04/26/12	04/26/12	<1	<1
Total N	µg/l	Method Blank	04/27/12	04/27/12	<1	<1
Total N	µg/l	Method Blank	04/27/12	04/27/12	<1	<1
Total N	µg/l	Method Blank	04/30/12	04/30/12	<1	<1
Total N	µg/l	Method Blank	04/30/12	04/30/12	<1	<1
Total N	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
Total N	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total N	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total N	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total N	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total P	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
Total P	µg/l	Method Blank	10/25/11	10/25/11	<1	<1
Total P	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total P	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total P	µg/l	Method Blank	10/31/11	10/31/11	<1	<1
Total P	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total P	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total P	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total P	µg/l	Method Blank	11/01/11	11/01/11	<1	<1
Total P	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
Total P	µg/l	Method Blank	11/04/11	11/04/11	<1	<1
Total P	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total P	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total P	µg/l	Method Blank	11/15/11	11/15/11	<1	<1
Total P	µg/l	Method Blank	12/07/11	12/07/11	<1	<1
Total P	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total P	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total P	µg/l	Method Blank	12/13/11	12/13/11	<1	<1
Total P	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total P	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total P	µg/l	Method Blank	12/20/11	12/20/11	<1	<1
Total P	µg/l	Method Blank	12/28/11	12/28/11	<1	<1
Total P	µg/l	Method Blank	12/28/11	12/28/11	<1	<1
Total P	µg/l	Method Blank	01/04/12	01/04/12	<1	<1
Total P	µg/l	Method Blank	01/04/12	01/04/12	<1	<1
Total P	µg/l	Method Blank	01/05/12	01/05/12	<1	<1
Total P	µg/l	Method Blank	01/10/12	01/10/12	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Total P	µg/l	Method Blank	01/10/12	01/10/12	<1	<1
Total P	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total P	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total P	µg/l	Method Blank	01/13/12	01/13/12	<1	<1
Total P	µg/l	Method Blank	01/19/12	01/19/12	<1	<1
Total P	µg/l	Method Blank	01/23/12	01/23/12	<1	<1
Total P	µg/l	Method Blank	01/23/12	01/23/12	<1	<1
Total P	µg/l	Method Blank	01/24/12	01/24/12	<1	<1
Total P	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
Total P	µg/l	Method Blank	01/27/12	01/27/12	<1	<1
Total P	µg/l	Method Blank	02/01/12	02/01/12	<1	<1
Total P	µg/l	Method Blank	02/03/12	02/03/12	<1	<1
Total P	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total P	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total P	µg/l	Method Blank	02/07/12	02/07/12	<1	<1
Total P	µg/l	Method Blank	02/08/12	02/08/12	<1	<1
Total P	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total P	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total P	µg/l	Method Blank	02/12/12	02/12/12	<1	<1
Total P	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total P	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total P	µg/l	Method Blank	02/16/12	02/16/12	<1	<1
Total P	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total P	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total P	µg/l	Method Blank	02/23/12	02/23/12	<1	<1
Total P	µg/l	Method Blank	02/29/12	02/29/12	<1	<1
Total P	µg/l	Method Blank	02/29/12	02/29/12	<1	<1
Total P	µg/l	Method Blank	03/01/12	03/01/12	<1	<1
Total P	µg/l	Method Blank	03/13/12	03/13/12	<1	<1
Total P	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total P	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total P	µg/l	Method Blank	03/14/12	03/14/12	<1	<1
Total P	µg/l	Method Blank	03/15/12	03/15/12	<1	<1
Total P	µg/l	Method Blank	03/15/12	03/15/12	<1	<1
Total P	µg/l	Method Blank	04/03/12	04/03/12	<1	<1
Total P	µg/l	Method Blank	04/03/12	04/03/12	<1	<1
Total P	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total P	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total P	µg/l	Method Blank	04/09/12	04/09/12	<1	<1
Total P	µg/l	Method Blank	04/10/12	04/10/12	<1	<1
Total P	µg/l	Method Blank	04/10/12	04/10/12	<1	<1
Total P	µg/l	Method Blank	04/17/12	04/17/12	<1	<1
Total P	µg/l	Method Blank	04/17/12	04/17/12	<1	<1
Total P	µg/l	Method Blank	04/20/12	04/20/12	<1	<1
Total P	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total P	µg/l	Method Blank	04/22/12	04/22/12	<1	<1

Method Blank Recovery

for Tropical Farms collected from

May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Total P	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total P	µg/l	Method Blank	04/22/12	04/22/12	<1	<1
Total P	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
Total P	µg/l	Method Blank	04/25/12	04/25/12	<1	<1
Total P	µg/l	Method Blank	04/26/12	04/26/12	<1	<1
Total P	µg/l	Method Blank	04/26/12	04/26/12	<1	<1
Total P	µg/l	Method Blank	04/27/12	04/27/12	<1	<1
Total P	µg/l	Method Blank	04/27/12	04/27/12	<1	<1
Total P	µg/l	Method Blank	04/30/12	04/30/12	<1	<1
Total P	µg/l	Method Blank	04/30/12	04/30/12	<1	<1
Total P	µg/l	Method Blank	05/02/12	05/02/12	<1	<1
Total P	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total P	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total P	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total P	µg/l	Method Blank	05/15/12	05/15/12	<1	<1
Total P	µg/l	Method Blank	06/12/12	06/12/12	<1	<1
Total P	µg/l	Method Blank	06/12/12	06/12/12	<1	<1
Total P	µg/l	Method Blank	06/12/12	06/12/12	<1	<1
Color	PCU	Method Blank	05/27/11	05/27/11	<1	<1
Color	PCU	Method Blank	05/27/11	05/27/11	<1	<1
Color	PCU	Method Blank	05/27/11	05/27/11	<1	<1
Color	PCU	Method Blank	06/04/11	06/04/11	<1	<1
Color	PCU	Method Blank	06/10/11	06/10/11	<1	<1
Color	PCU	Method Blank	06/25/11	06/25/11	<1	<1
Color	PCU	Method Blank	07/02/11	07/02/11	<1	<1
Color	PCU	Method Blank	07/02/11	07/02/11	<1	<1
Color	PCU	Method Blank	07/22/11	07/22/11	<1	<1
Color	PCU	Method Blank	08/04/11	08/04/11	<1	<1
Color	PCU	Method Blank	08/04/11	08/04/11	<1	<1
Color	PCU	Method Blank	08/11/11	08/11/11	<1	<1
Color	PCU	Method Blank	08/18/11	08/18/11	<1	<1
Color	PCU	Method Blank	08/18/11	08/18/11	<1	<1
Color	PCU	Method Blank	09/08/11	09/08/11	<1	<1
Color	PCU	Method Blank	09/16/11	09/16/11	<1	<1
Color	PCU	Method Blank	09/21/11	09/21/11	<1	<1
Color	PCU	Method Blank	09/21/11	09/21/11	<1	<1
Color	PCU	Method Blank	10/07/11	10/07/11	<1	<1
Color	PCU	Method Blank	10/12/11	10/12/11	<1	<1
Color	PCU	Method Blank	10/12/11	10/12/11	<1	<1
Color	PCU	Method Blank	10/21/11	10/21/11	<1	<1
Color	PCU	Method Blank	10/21/11	10/21/11	<1	<1
Color	PCU	Method Blank	10/28/11	10/28/11	<1	<1
Color	PCU	Method Blank	11/04/11	11/04/11	<1	<1
Color	PCU	Method Blank	11/04/11	11/04/11	<1	<1
Color	PCU	Method Blank	11/09/11	11/09/11	<1	<1
Color	PCU	Method Blank	11/16/11	11/16/11	<1	<1

Method Blank Recovery

for Tropical Farms collected from May 2011 to May 2012

PARAMETERS	UNITS	SAMPLE DESCRIPTION	DATE PREPPED	DATE ANALYZED	ACTUAL CONC.	ACCEPTANCE RANGE
Color	PCU	Method Blank	11/22/11	11/22/11	<1	<1
Color	PCU	Method Blank	11/22/11	11/22/11	<1	<1
Color	PCU	Method Blank	12/02/11	12/02/11	<1	<1
Color	PCU	Method Blank	12/02/11	12/02/11	<1	<1
Color	PCU	Method Blank	12/08/11	12/08/11	<1	<1
Color	PCU	Method Blank	12/08/11	12/08/11	<1	<1
Color	PCU	Method Blank	12/15/11	12/15/11	<1	<1
Color	PCU	Method Blank	12/15/11	12/15/11	<1	<1
Color	PCU	Method Blank	12/15/11	12/15/11	<1	<1
Color	PCU	Method Blank	12/21/11	12/21/11	<1	<1
Color	PCU	Method Blank	01/05/12	01/05/12	<1	<1
Color	PCU	Method Blank	01/05/12	01/05/12	<1	<1
Color	PCU	Method Blank	01/18/12	01/18/12	<1	<1
Color	PCU	Method Blank	01/18/12	01/18/12	<1	<1
Color	PCU	Method Blank	01/29/12	01/29/12	<1	<1
Color	PCU	Method Blank	02/03/12	02/03/12	<1	<1
Color	PCU	Method Blank	02/03/12	02/03/12	<1	<1
Color	PCU	Method Blank	02/10/12	02/10/12	<1	<1
Color	PCU	Method Blank	02/17/12	02/17/12	<1	<1
Color	PCU	Method Blank	02/17/12	02/17/12	<1	<1
Color	PCU	Method Blank	02/23/12	02/23/12	<1	<1
Color	PCU	Method Blank	03/01/12	03/01/12	<1	<1
Color	PCU	Method Blank	03/01/12	03/01/12	<1	<1
Color	PCU	Method Blank	03/08/12	03/08/12	<1	<1
Color	PCU	Method Blank	03/16/12	03/16/12	<1	<1
Color	PCU	Method Blank	03/16/12	03/16/12	<1	<1
Color	PCU	Method Blank	03/23/12	03/23/12	<1	<1
Color	PCU	Method Blank	03/30/12	03/30/12	<1	<1
Color	PCU	Method Blank	04/06/12	04/06/12	<1	<1
Color	PCU	Method Blank	04/06/12	04/06/12	<1	<1
Color	PCU	Method Blank	04/12/12	04/12/12	<1	<1
Color	PCU	Method Blank	04/20/12	04/20/12	<1	<1
Color	PCU	Method Blank	04/20/12	04/20/12	<1	<1
Color	PCU	Method Blank	04/25/12	04/25/12	<1	<1
Color	PCU	Method Blank	04/25/12	04/25/12	<1	<1
Color	PCU	Method Blank	05/02/12	05/02/12	<1	<1
Color	PCU	Method Blank	05/02/12	05/02/12	<1	<1
Color	PCU	Method Blank	05/11/12	05/11/12	<1	<1
Color	PCU	Method Blank	05/11/12	05/11/12	<1	<1