

# **Lower West Coast Mobile Irrigation Lab**

## **Quarterly Report Second Quarter – Fiscal Year 2015 January 1 through March 31, 2015**

**Sponsored by:**

**Collier Soil and Water Conservation District  
Florida Department of Agriculture and Consumer Services  
Natural Resources Conservation Service**

**14700 Immokalee Road  
Naples, FL 34120  
(239) 455-4100**

# Evaluation Results

## **SYSTEMS EVALUATED**

This report covers the second quarter of Fiscal Year 2015, from January 1 to March 31, 2014. The Mobile Irrigation Lab (MIL) completed 36 total evaluations, 36 of which were initial evaluations, and 0 of which were follow-up evaluations. Of those completed, all 36 evaluations were performed on microjet systems on citrus.

## **RESULTS**

Agricultural system evaluations are rated based on the measured Emission Uniformity (EU) of systems. The average EU of the agricultural systems evaluated was 70%.

## **WATER SAVINGS**

Potential Water Savings (PWS) are based on first-time evaluations and estimate the amount of water that would be saved each year by making the recommended system improvements and/or following recommended irrigation scheduling guides. Actual Water Savings (AWS) are calculated from system improvements measured by follow-up evaluations.

**PWS: 198.2 million gallons (608.3 acre feet) per year.**

**AWS: 0.0 million gallons (0.0 acre feet) per year.**

# Conservation Education/Outreach Activities

## **February**

- The MIL team presented the Irrigation portion of the Project Greenscape Best Management Practices course for landscapers in Collier County. This is done in conjunction with the Rookery Bay National Estuarine Research Reserve.

The MIL team also provides education and outreach services on a regular basis to individual agricultural irrigators related to evaluations performed by the MIL. The MIL continues to work on preparing and refining various PowerPoint presentations to assist in future education activities. MIL staff also designs and produces display posters that can be used in the MIL display booth. Staff spends time designing and maintaining the Collier Soil and Water Conservation District and MIL website at [www.collierswcd.org](http://www.collierswcd.org).

**LOWER WEST COAST MOBILE IRRIGATION LAB**  
**January - March 2015 (2nd Qtr. Federal Fiscal Year)**

Producer	Zone	Zip Code	County	Quarter ID	Crop	System Type	Acres	Soil Type	**** Water ****			Pump	Motor	Problems	Inline Flow	US Flow	EU%	PWS Ac./Ft.	AWS Ac./Ft.	Follow Up
									Source	pH	TDS									
Silver Strand North	6-A	34142	Collier	1	Citrus	Micro	19.6	7	Well	7.1	520	Turbine	Diesel	2,4,20,21,31,40	450	440	59	17.63		
Silver Strand North	6-B	34142	Collier	2	Citrus	Micro	19.6	7	Well	7.1	520	Turbine	Diesel	2,4,6,20,21,31,35	450	425	33	54.30		
Silver Strand North	6-C	34142	Collier	3	Citrus	Micro	19.6	7	Well	7.1	520	Turbine	Diesel	2,4,6,20,21,31,33,40	425	410	57	19.27		
Silver Strand North	6-D	34142	Collier	4	Citrus	Micro	19.6	7	Well	7.1	520	Turbine	Diesel	2,4,6,20,21,31	520	500	52	23.90		
Silver Strand North	9-A	34142	Collier	5	Citrus	Micro	25.7	16	Well	7.1	250	Turbine	Diesel	2,4,20,21,40	475	670	73	11.42		
Silver Strand North	9-B	34142	Collier	6	Citrus	Micro	25.7	16	Well	7.1	250	Turbine	Diesel	4,20,21,40	450	575	77	8.86		
Silver Strand North	9-C	34142	Collier	7	Citrus	Micro	25.7	16	Well	7.1	250	Turbine	Diesel	2,4,20,21,40	425	555	74	10.75		
Silver Strand North	9-D	34142	Collier	8	Citrus	Micro	25.7	16	Well	7.1	250	Turbine	Diesel	4,20,21,40	425	550	73	11.42		
Silver Strand North	15-A	34142	Collier	9	Citrus	Micro	27.6	16	Well	7.4	150	Turbine	Diesel	4,6,20,21,31,33	675	625	63	20.67		
Silver Strand North	15-B	34142	Collier	10	Citrus	Micro	27.6	16	Well	7.4	150	Turbine	Diesel	4,6,20,21,31	650	615	76	10.17		
Silver Strand North	15-C	34142	Collier	11	Citrus	Micro	27.6	16	Well	7.4	150	Turbine	Diesel	4,20,21,30,31	640	600	77	9.51		
Silver Strand North	15-D	34142	Collier	12	Citrus	Micro	27.6	16	Well	7.4	150	Turbine	Diesel	4,20,21,31	630	595	83	5.88		
Silver Strand North	15-E	34142	Collier	13	Citrus	Micro	27.6	16	Well	7.4	150	Turbine	Diesel	4,20,21,31,33	650	595	85	4.79		
Silver Strand North	17-A	34142	Collier	14	Citrus	Micro	28.7	16	Well	7.5	230	Turbine	Diesel	2,4,6,20,21,30,33	440	440	61	23.59		
Silver Strand North	17-B	34142	Collier	15	Citrus	Micro	28.7	16	Well	7.5	230	Turbine	Diesel	20,21,33	470	470	83	6.12		
Silver Strand North	17-C	34142	Collier	16	Citrus	Micro	28.7	16	Well	7.5	230	Turbine	Diesel	6,20,21,33,40	500	500	72	13.52		
Silver Strand North	17-D	34142	Collier	17	Citrus	Micro	28.7	16	Well	7.5	230	Turbine	Diesel	4,6,20,21,30,33	510	510	71	14.31		
Silver Strand North	20-A	34142	Collier	18	Citrus	Micro	34.1	16	Well	7.1	140	Turbine	Diesel	4,6,20,21,31,40,56	810	790	49	47.20		
Silver Strand North	20-B	34142	Collier	19	Citrus	Micro	34.1	7	Well	7.1	140	Turbine	Diesel	2,4,6,20,21,35,56	810	800	59	30.68		
Silver Strand North	20-C	34142	Collier	20	Citrus	Micro	34.1	7	Well	7.1	140	Turbine	Diesel	4,20,21,56	830	800	61	28.03		
Silver Strand North	20-D	34142	Collier	21	Citrus	Micro	34.1	16	Well	7.1	140	Turbine	Diesel	2,4,20,21,40,56	815	785	78	10.96		
Silver Strand North	26-A	34142	Collier	22	Citrus	Micro	24.8	16	Well	7.2	35	Turbine	Diesel	2,6,12,20,21,33,40	500	510	63	18.57		
Silver Strand North	26-B	34142	Collier	23	Citrus	Micro	24.8	16	Well	7.2	35	Turbine	Diesel	12,20,21,30	450	530	79	7.41		
Silver Strand North	26-C	34142	Collier	24	Citrus	Micro	24.8	16	Well	7.2	35	Turbine	Diesel	3,6,12,20,21	460	510	68	14.52		
Silver Strand North	26-D	34142	Collier	25	Citrus	Micro	24.8	16	Well	7.2	35	Turbine	Diesel	12,20,21,30	500	540	71	12.36		
Silver Strand North	34-A	34142	Collier	26	Citrus	Micro	28.5	7	Well	7.5	270	Turbine	Diesel	3,6,20,21,30,31,40	540	525	74	11.93		
Silver Strand North	34-B	34142	Collier	27	Citrus	Micro	28.5	7	Well	7.5	270	Turbine	Diesel	4,20,21,31	570	520	82	6.66		
Silver Strand North	34-C	34142	Collier	28	Citrus	Micro	28.5	7	Well	7.5	270	Turbine	Diesel	4,20,21,40	560	550	82	6.66		
Silver Strand North	34-D	34142	Collier	29	Citrus	Micro	28.5	17	Well	7.5	270	Turbine	Diesel	20,21,30,31,40	510	480	72	13.42		
Silver Strand North	34-E	34142	Collier	30	Citrus	Micro	28.5	17	Well	7.5	270	Turbine	Diesel	3,20,21,31	475	450	59	25.64		
Tribritton	B-4W, B-3	33975	Hendry	31	Citrus	Micro	38.2	7	Surface			Centrifugal	Diesel	30,33	1100	1190	85	6.63		
Tribritton	C-2	33975	Hendry	32	Citrus	Micro	38.3	62	Surface			Centrifugal	Diesel	4,33,40	1100	1125	82	8.95		
Tribritton	C-3	33975	Hendry	33	Citrus	Micro	50.0	2	Surface			Centrifugal	Diesel	4,26,30,33,40	1100	1170	74	20.92		
Tribritton	C-4	33975	Hendry	34	Citrus	Micro	44.4	1	Surface			Centrifugal	Diesel	4,26,33	1100	1120	82	10.38		
Tribritton	C-1a, C-2a, C-3a	33975	Hendry	35	Citrus	Micro	39.8	1	Surface			Centrifugal	Diesel	4,6,26,30,33,40	1050	1100	52	48.53		
Tribritton	C-2b, C-3b	33975	Hendry	36	Citrus	Micro	46.1	2	Surface			Centrifugal	Diesel	4	1100	1115	80	12.75		

1068.9

70.03

608.33

0.00

Millions of gallons: 198,225,513

0