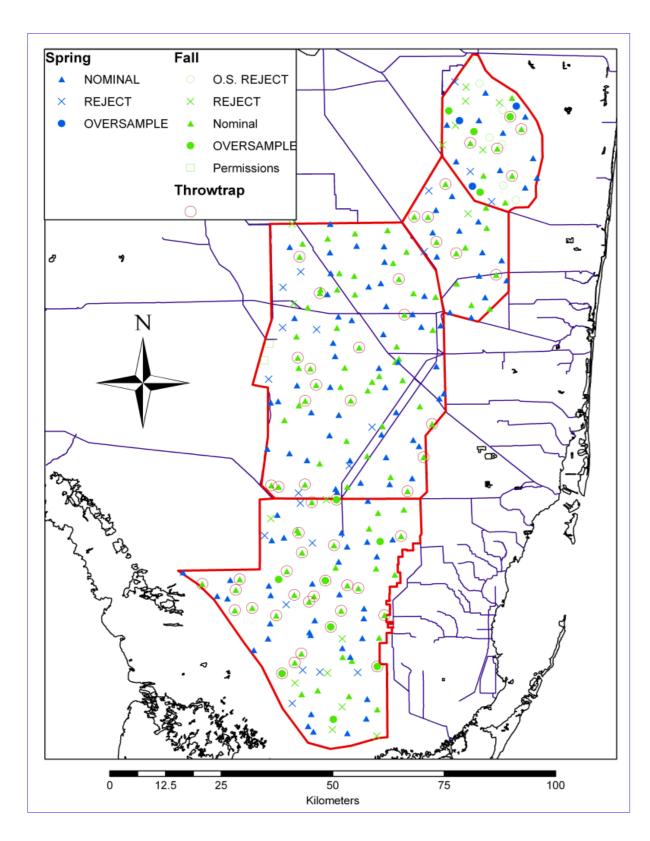


2005 REMAP data and photo documentation available at <u>http://digir.fiu.edu/gmaps/EverMap.php</u>.

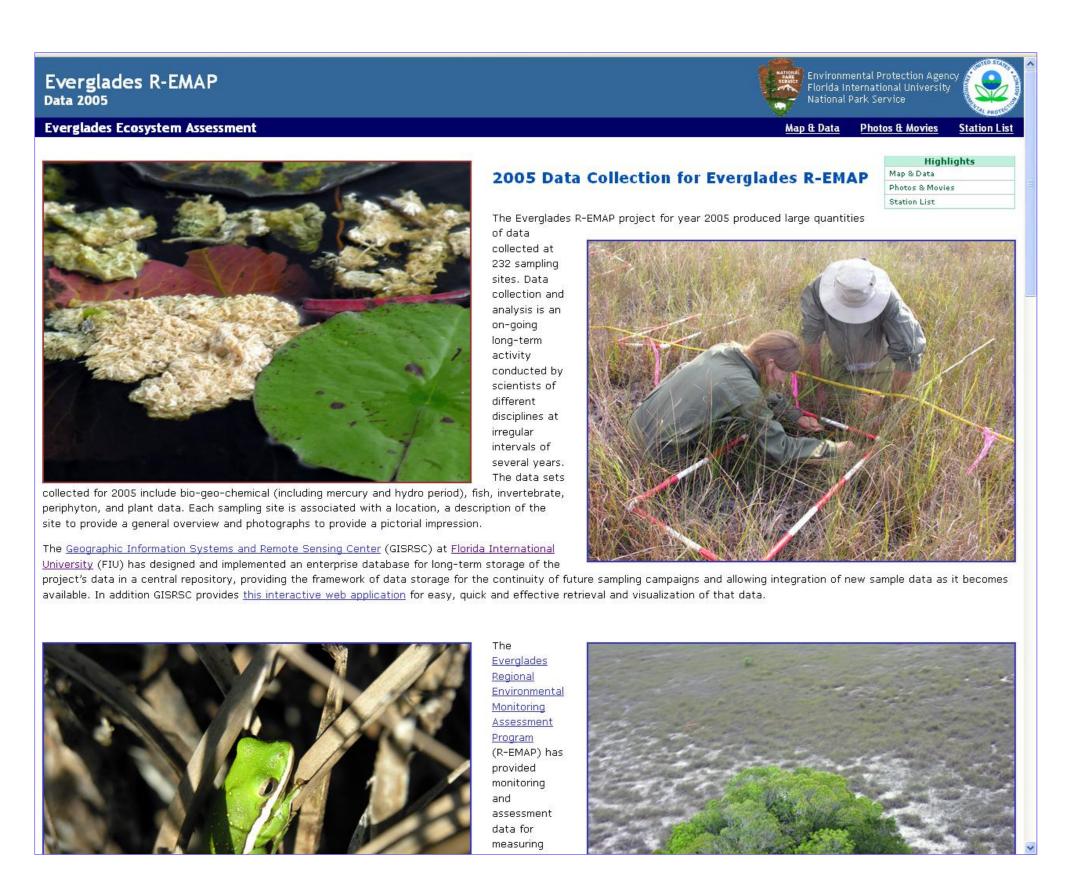
Background:

EPA's Everglades Regional Environmental Monitoring and Assessment Program (REMAP) uses a probability-based sampling design, samples a variety of media, and has extensive spatial coverage; 2005 was the third iteration.



2005 Everglades REMAP sample locations

Main Page:

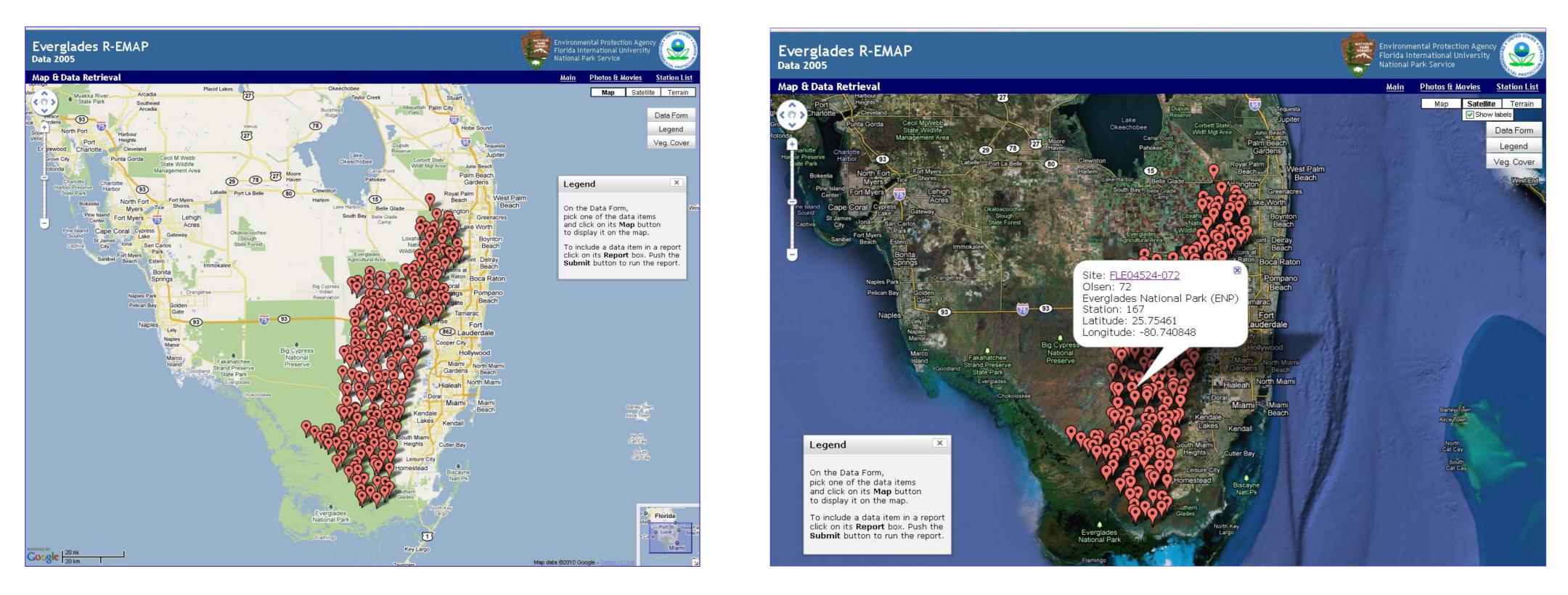


The 2005 Everglades REMAP Main page describes the project and has menus leading to the Map & Data, Photos and Movies, and the sampling Station List.

The public face of Everglades REMAP 2005: An interactive mapping application for retrieval of data from the 2005 **Everglades Ecosystem Assessment Program**

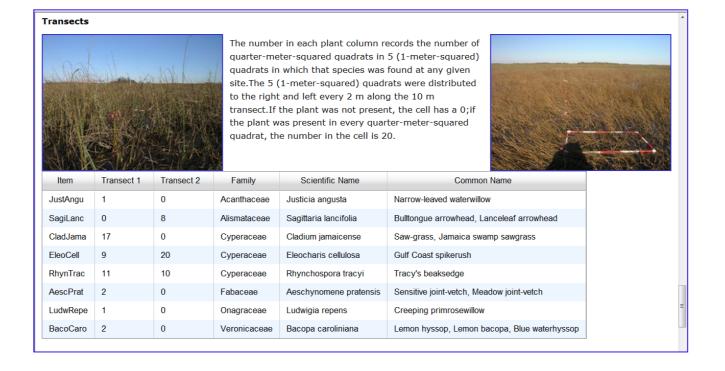
Jennifer Richards¹, Daniel Gann², Dan McGillicudy², Jennifer Fu² and Peter Kalla³

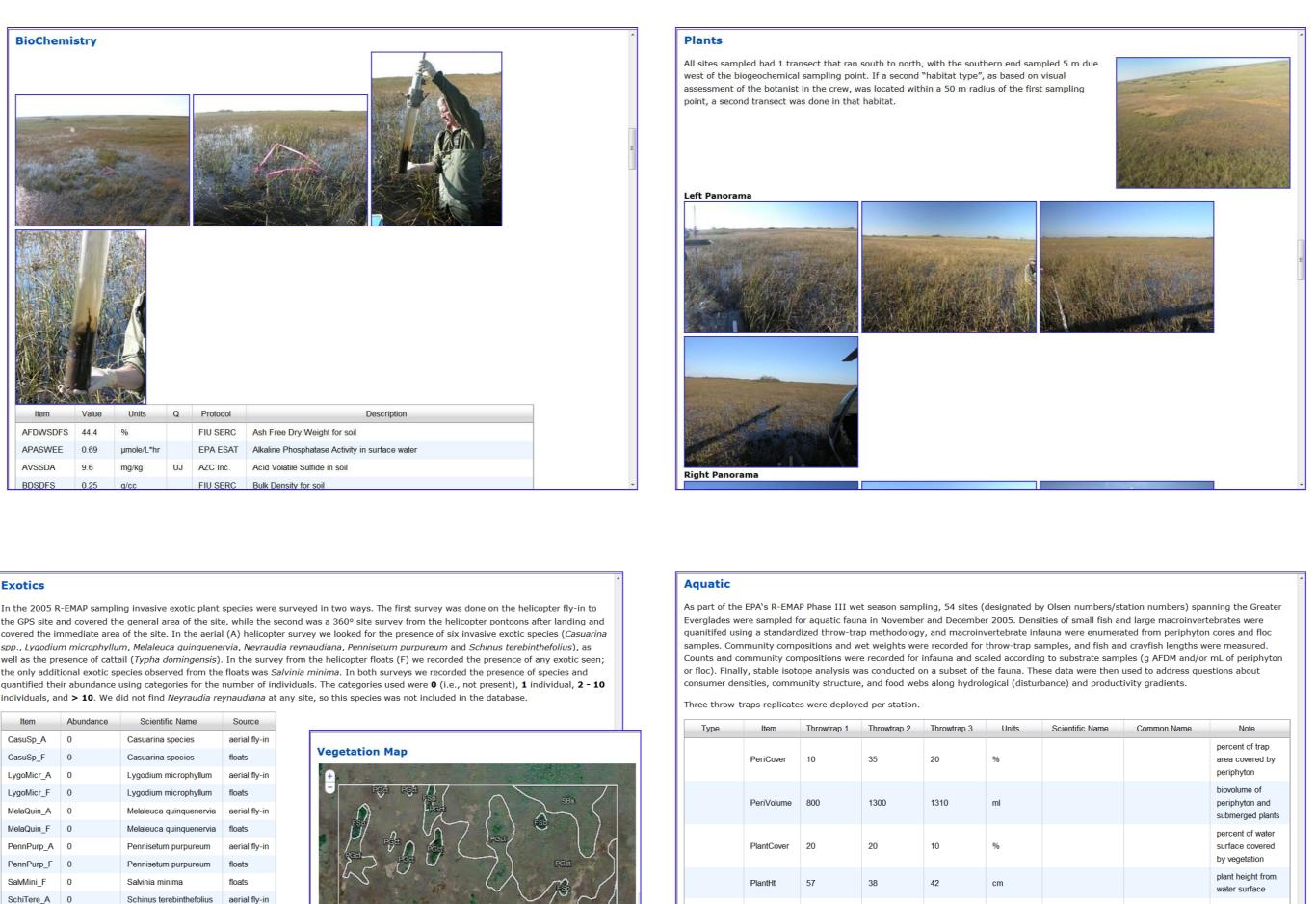
Map & Data Page gives a map of the sampling stations. Selecting a point on the map gives the station location and a link to the data and photographs from that station. Different map formats can be selected.

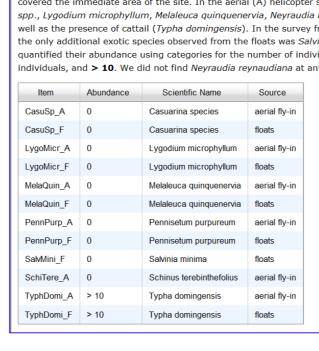


Data from a station include **Basic data**, **Biogeochemistry** with photos, Plant panoramic photos and transect data, Exotics surveys, Vegetation map, and **Aquatic** invertebrates and fish (wet season samples only)

Evergla Data 2005	des R-I	ΕΜΑΡ					🍧 Florida In	nental Protection Ager International Universit Park Service		
Station FL	.E04524-07	72				Main M	ap & Data	Photos & Movies	Station List	
Olsen: 72 Everglades National Park (ENP) FIU Station: 167			Panel: Regular BioChem Date/Time: 2005-11-10 14: BioChem Crew: Dan Scheidt/Mel Parse Plants Date: 2005-12-12 Aquatic Date			rsons		Basic BioChemistry Plants	BioChemistry Plants Vegetation Map	
			Location		NAD83	NAD27	and the			
STA: 167		Latitude	25.75463372	25.75461			STA 167			
DATE: 11/10/05 TIME: 1430			Longitude	-80.740818	- 80.740848					
			UTM Y (northing)		2848331	2848534	ATE	2/12/05	0945	
			UTM X (easting)		525968	525989	K	SILGIJR MA	TI	
Basic Item	Value		Comments: No flo	c	Description					
Camera	1	Digital camera used for field documentation of habitat and soil core								
CHLAVOL	140	volume of surface water filtered for chlorophyll a analysis								
Chopper	1	number of helicopter and associated sampling equipment and supply cache								
COND	407	in situ surface water conductivity, YSI sonde								
Cycle	7	sampling cycle number								
	7.6	in situ surface water DO, YSI sonde								





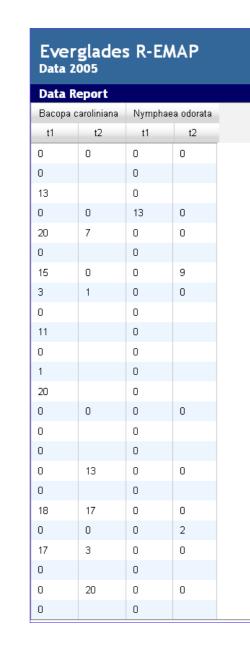






Data Form Page:

Iters	Basic	Biochemistry	Plants	Exotics	Aquatic	
ck on a	a Filter check	kbox to limit the data	selected	for the map o	or report.	
Basic	Biochem	nistry Plants	Exotics	a Aquati	с	
Filter	Item					De
	AquaticDate	Date of throwtrap	sampling			
	Camera	Digital camera used	for field d	locumentation	n of habitat a	and soil cor
	CHLAVOL	volume of surface v	water filter	ed for chloro	phyll a analys	sis
	Chopper	number of helicopte	er and asso	ociated sampl	ling equipmen	it and supp
	COND	in situ surface wate	er conduct	ivity, YSI sor	nde	
	Crew	sampling crew				
	Cycle	sampling cycle num	ber			
	Date_Time	Biocemistry sample	collection	date and tim	e	
	DEPBEDR	depth to bedrock, p	point of re	fusal with me	tal probe	
	DO	in situ surface wate	er DO, YSI	sonde		
	DRYSOCD	depth of hole made	by soil co	rer at non-flo	oded station	S
	FISHN01	number of mosquite	ofish collec	ted for Hg an	alysis	
	FISHNO2	number of mosquite	ofish collec	ted for isotop	pe analysis	
	FLOCCOLper	c Percent of floc coll	ected from	core		
	FLOCCONT	number and kind of	container	used for floc		
	FLOCTH	vertical extent (len	gth) of flo	c layer in cor	e	
	Flow	description of surfa	ice water f	flow at sampli	ing site	
	Lat	Latitude				
	Lat83	Latitude NAD 83				
	Lon	Longitude				
	Long83	Longitude NAD 83				
	Olsen	The unique identifie	er for the T	Tony Olsen sa	ample number	s
	panel	indicates whether t		-	-	
	PERIDOM	dominant periphyto			-	
		bonthic parinhyton	collected			
	5111					
				00	nikhoon	Cha



Veg. Cover F

Veg. Cover o & Data page user scroll to km² vegetatio centered on the sampling stations.

Golden topminnow

Marsh killifish

¹Dept. of Biological Sciences, Florida International University and ²GIS-RS Center, Florida International University, Miami, FL 33199 ³U.S. EPA, Region 4, Athens, GA 30605





Data Form on the Map & Data page lets the user select and filter any of the data to map it or to create a report.

<i></i>	XIII X	a Data Form		×
		Filters Basic Biochemistry Plants	Exotics Aquatic	
			h, with the southern end sampled 5 m due west of the biogeoch , was located within a 50 m radius of the first sampling point, a	
cription	Units	The number in each plant column records the number or site.The 5 (1-meter-squared) quadrats were distributer present in every quarter-meter-squared quadrat, the n	f quarter-meter-squared quadrats in 5 (1-meter-squared) quadr d to the right and left every 2 m along the 10 m transect.If the umber in the cell is 20.	ats in which that species was found at any given alant was not present, the cell has a 0;if the plant was
	ml	Map Report Item Scientific Nar	me Family Common Na Pteridaceae Giant leather fern	ime 🛛
/ cache	µmhos/cm	AescAmer Aeschynomene americana	Fabaceae Shyleaf	/ jaint_vatch
		1 O 🔲 AgalFili Agalinis filifolia	Orobanchaceae	r juni-veich
	feet mg/L	O AndrGlom Andropogon glomeratus	Orobanchaceae Poaceae Bluestem Boaceae	
Legend ×	cm	O 🗌 AnemAdia Anemia adiantifolia	Poaceae Schizaeaceae	
pick one of the data items and click on its Map button to display it on the map.	%	O 🗌 AnnoGlab Annona glabra	Apocynaceae Annonaceae Pond-apple	
To include a data item in a report click on its Report box. Push the Submit button to run the report.	cm	ArisPurp Aristida purpurascens AsclLanc Asclepias lanceolata BacoCaro Bacopa caroliniana	Poaceae Arrowfeather threeawn Apocynaceae Fewflower milkweed Veronicaceae Lemon hyssop, Lemon bacopa	Dive waterburgen
	decimal degrees decimal	O D BideMiti Bidens mitis	Asteraceae	, blue waternyssop
	degrees decimal degrees	O 🔲 BlecSerr Blechnum serrulatum	Asteraceae Blechnaceae Swamp fern, Toothed midsoru Urticaceae Button-hemp, False nettle, Br	
	decimal degrees	O 🔲 ByrsLuci Byrsonima lucida	Malpighiaceae	g nemp
r was an oversample		 CareSp1 Carex sp. CassFili Cassytha filiformis 	Cyperaceae Lauraceae Lovevine, Devil's gut	
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				Environmental Protection Agency
		Everglades R-EMAP Data 2005		Florida International University
		Map & Data Retrieval		<u>Main Photos & Movies Station List</u> Map Satellite Hybrid Terrain
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				Environmental Protection Agency
		Everglades R-EMAP Data 2005		Environmental Protection Agency Florida International University National Park Service
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Page:				Show labels
		+		Legend
			FeerFeer Feer Feer Feer Feer	Veg. Cover
				PE Non graminoid Emergent Marsh
on the RA	~ 	PGG	Per	PGc Sawgrass PGw Maidencane-Spike rush
on the M	ap		Peter Peter Peter	SB Shrublands
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Vegetation Map FGt For a Department of Environmental Protection, GeoEye -]

 Vegetation Map

 Image: A state of the state o

PC Cattail Marsh PGc Sawgrass PGct Tall Sawgrass SBs Willow