FOREST RESTORATION LOG

DATE	WEATHER	LOCATION	# HOURS / PERSON	TYPE OF WORK PERFORMED	PLANT SPECIES TREATED	CHEMICALS USED	CHEMICAL AMOUNTS	NOTES
1976								
				purchase 15 acres				
1979								
2/1979 - 50 years + since any fire on property - **1st prescribed burn** with DOF as training exercise - Wayne Young (DOF) & Richard Bailey (Metro Dade Urban Forester DOF) & Richard Reuse (Dade County)								
various			Terry & Barbara - on visits down to FL	herbicide	Shinus, Albizia, Carurina, Mango, etc	Tordon silvicide + Roundup		used Tordon undiluted in hypo-hatchet
1982								
8/1982 - 2nd prescribed burn with DOF as training exercise - John G. Cordy (DOF) - 3.5 years since 1st prescribed burn								
10/29/82		15 acre Pine Rockland		1st EEL application				
1983								
11/16/83		entire Pine Rockland	n/a	1st EEL Covenant – resolution signed 11/16/1983 # R-1608-83 dated 12/20/1983 - recorded Book 188 / p. 540) - application dated 10/29/1982	n/a	n/a	n/a	
Chapter 25B covenant with Dade County								
11/16/83		15 acre Pine Rockland		1st EEL Covenant signed				
1984								
11/27/84		entire Pine Rockland	n/a	2nd EEL Covenant – signed 11/27/1984	n/a	n/a	n/a	
12/18/84		entire Pine Rockland	n/a	Resolution accepting 2nd EEL Covenant # R-1720-84	n/a	n/a	n/a	
12/18/84		entire Pine Rockland	n/a	Natural Forest Community (NFC) designation – dated 12/18/1984 – Resolution # R-1764-84	n/a	n/a	n/a	
remainder of eco-system property on Chapter 25B covenant with Dade County								
1986								
7/30/1986 - letter from Michael Brady @ DOF w/ Richid Ruise, Willie Simmons, amd Dave Utley - wrote that they would be charging $3.50 / ac & minimum charge of $25 for controlled burn								
1987								
Pine Ridge Orchids greenhouse construction								
12/7/1987 - **3rd prescribed burn** using independent contractor (Buck Albert & Eric H. Hoyer - Forest Resources Management, Inc. - Ft Meyers, FL) - charged $55 / acre for controlled burn - 5.3 years since 2nd prescribed burn								
1988								
Terry & Barbara's residence construction (2/1988 - 3/1989)								
1989								
5/1989 - Pine Ridge Sanctuary registered with The Nature Conservatory (Jora Young)								
1990								
7/26/1990 - **4th prescribed burn** - Nature Concervancy (Geoff Babb crew chief), Terry Glancy (ignitor), Barbara Glancy, Chris Glancy on ATV w/ 100 gal ag sprayer, Liz Lewis (DERM) - prescribed burn A1 + A4 + partial burn C2 (N sect, W sect, & partial SW sect) - heavy rain @ 2:00 PM stopped burn & virtually stopped all smoke								
8/23/1990 - **continuation of 4th prescribed burn** - Nature Concervancy (Geoff Babb crew chief), Terry Glancy (ignitor), Orlando (DERM ignitor), Barbara Glancy, and Chris Glancy on ATV w/ 110 gal ag sprayer. Prescribed burn B1, C1, plus attempted mozaic burn C2 (no bladder packs so mozaic did not work). Head fires going NW and backing to the South. A3 burned with very minor scorching to the Lychees, Carambolas, and Mangos. 2.75 years since 3rd prescribed burn.								
1991								
7/17/1991 - registered Forest Stewardship Program - FL Div of Forestry, FL Game & Fresh Water Fish Commission, USDA Soil Conservation Service, Univ of FL IFAS, FL Forestry Association, The Nature Conservancy, FL Co-operative Extension Service - received certificate 12/15/1992								
7/1991 - @ FNPS Annual Conference, received Over All State winner of Landscape Enhancement Award - first time ever that indiividuals were awarded Overall Winner of both Residential and Commercial awards								
12/13/1991 - Barb & Terry certified as Prescribe Burners - Interagency Prescribe Burning Training Course - Division of Forestry / FL Park Service - Department of Natural Resources / FL Game & Fresh Water Fish Commission in Brooksville - Withlacoochee State Forest								
1992								
8/24/1992 - Hurricane Andrew								
1993								
2/19/1993 - **5th prescribed burn** - DOF (David Crane) + 3 DOF crew members (Skip was one), Terry, Barbara, Chris (used 110 gal ag sprayer w/ ATV)- 2 bombariers w/ bulldozer backup. Prescribed burned entire 15 ac property to reduce hurricane dead down. Burned one day after cold front passed - winds N. Smoke hugged ground - not much of a smoke column. Smoke very dense. After burn, ~ 100% fine fuels and ~ 75% small branches consumed. Smoldering for ~ 1 week mainly from underground roots of snapped off pine snags. Regrowth very slow despite regular rains. A few grasses regenerated ~ 3 weeks post burn, then some braken fern. Good clumps of Clematis baldwinii in NE corner. Saw Palmetto and silver palms resprout new growth ! 1.5 months post burn. 2.5 years since 4th prescribed burn.								
1994								
pool built								
5/14/94	overcast	entire	T/ 2 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup (2%) + Frigate (2%)	12 gal	
8/11/94	hot & sunny	entire	T & B / 3 hrs ea	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup (3%) + Nufilm (2%) / Garlon 4 + JBL oil	9 gal Roundup mix / 2 gal Garlon mix	Garlon @ 25%
9/7/94	overcast / rain	entire, less perimeter	T @ 11 hrs / 8 others @ 8 hrs ea	plant tublings from DOF	Pinus			inc Rick / Jean Seavy + Joy Klein + 3 DERMites + 2 DOF
9/14/94	overcast / rain	all except E 5 ac	T & B / 6 hrs ea	H2O pine seedlings	Pinus			1100 ml ea / used bladderpack + 110 gal ag sprayer
9/17/94	hot & sunny	firebreaks	T / 4 hrs	exotic pest plant herbicide	dropseed grass / Albizia	Roundup (2%) + Frigate (2%)	9 gal	
9/18/94	hot & sunny	Plots A / C	T / 1.5 hrs	fertilization of Pinus seedlings	Pinus	Lesco 13-13-13	~ 1.5 Tbs / tubling	fertilized ~ 240 seedlings
12/18/94	partially sunny	Plots A / C	T / 2.5 hrs	insecticide pine seedlings	Pinus	Dursban 50 WP + Ortherne WP + Nufilm	3 gal	2 gal hand sprayer
1995								
9/2/95	overcast / rain	B1 = 60 / A2 - (NE) = 25, (SE) = 25, (SW) = 25, (NW) = 15 / C2 - (SW) = 25, (SE) = 16 new area, (ctrW) = 25, (ctrE) = 15, (NW) = 20 seedlings	T & B / 18 hrs ea	plant tublings from DOF	Pinus (from Long Pine Key seed bank)	sprayed roots w/ Roots 2 + Superthrive	2 gallons	250 tublings planted - used rotating hammer drill w/ 2" masonry bit (Taylor Rental) + Honda generator - took 3 days on & off. Since planting, rained ~ every other day for about 4 days after about 3 initial sunny days. By 9/19/95, top of soil starting to dry out slightly.
10/20/95	hot & sunny	entire, less perimeter	T / 5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup (5%) + Unifilm (2%)	27 gal	Roundup = 2 cups / sprayer & Unifilm = < 1 cup / sprayer
10/25/95	hot & sunny	entire	T / 7.5 hrs	fertilization of Pinus seedlings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 20#	
1996								
won first place - Forest Stewardship Landowners Property of the Year for SE Florida								
1st 10 year Wildlife Habitat improvement Program (WHIP) contract with USDA-NRCS (Christine Coffin)								
3/11/96	hot & sunny	entire	T / 6 hrs	fertilization of Pinus seedlings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 20#	
8/17/96	hot & sunny	entire	T / 6 hrs	fertilization of Pinus seedlings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 20#	
10/1/96	hot & sunny	entire	T / 4.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup (3%) + Unifilm (2%)	10 gal	hand sprayer
11/14/96	overcast	entire	T / 3 hrs	exotic pest plant removal	Johnson / Napier / Neyraudia grasses	mechanical removal - pick axe		
1997								
won first place - Forest Stewardship Landowners Property of the Year for all of Florida								
5/13-24/97	mostly sunny / hot	entire	Maurine Nolan / 30.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (5%) / Garlon 4 (30%) + JBL oil	10 gal Roundup mix / 18 gal Garlon mix	
5/27/97 - 6/20/97	mostly sunny / hot	entire	Maurine Nolan / 34.75 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Garlon 4 (30%) + JBL oil	30 gal Garlon mix	concentrated on W & S perimeter - inside & outside fence line
7/13/97	mostly sunny / hot	entire	T / 12 hrs	exotic pest plant removal	Schinus, Albizia, grasses	mechanical removal - pick axe		
8/20/97	overcast	entire	T / 10.5 hrs	exotic pest plant removal	Schinus, Albizia, grasses	mechanical removal - pick axe		
10/10/1997 - **6th prescribed burn** - prescribed burn with DOF (Rick Vasquez burn boss), Terry Glancy (ignitor), and Barbara Glancy, Skip Russell (DOF). 2.5 years since 5th prescribe burn.								
1998								
8/4/98	mostly sunny / hot	Plots A2 (east) / B1 / C1 & C2 (west)	T & B / 14 hrs	plant tublings from Don Morris	Pinus	Agrodiamonds rehydrated w/ R/O water + Superthrive	0.5 tsp Superthrive / gal R/O water	used rotating hammer drill w/ 2 1/2" bit - media = 9 gal peat-lite + 3 qts #3 perlite + 1.25 cups Nutricote 13-13-13 T270 + 1.5 TBS Agrodiamonds rehydrated in 2 gal R/O water inc 1 tsp Superthrive
9/14/98	mostly sunny / hot	entire	T / 3.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	6 gal	hand sprayer
11/13/98	partially sunny	around house	B / 8.5 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
11/14/98	partially sunny	entire	T & B / 4.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	10 gal	hand sprayer
1999								
1/24/99	overcast	fire breaks	T/ 4.25 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
1/25/99	partially sunny	around house	T/ 4.5 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
2/6/99	mostly sunny / hot	entire, primarily perimeter	T/ 5.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	12.5 gal	used 15 gal sprayer on back of ATC
2/26/1000	partially sunny	concentrate on S + E perimeter	T/ 4 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	7.5 gal	used 15 gal sprayer on back of ATC
3/13/99	partially sunny	1/2 of entire	T/ 4.5 hrs	fertilize pine plantings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 20#	
3/14/99	mostly sunny / hot	1/2 of entire	T/ 4.5 hrs	fertilize pine plantings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 20#	
4/3/99	mostly sunny / hot	entire	T/ 4.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	10 gal	hand sprayer
5/15/99	mostly sunny / hot	entire	T/ 2 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
7/17/99	partially sunny	entire	T / 3.75 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
9/11/99	mostly sunny / hot	entire	T/ 4 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Garlon 4 (30%) + JBL oil	20 gal Garlon mix	
9/12/99	mostly sunny / hot	entire	T/ 3.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Garlon 4 (30%) + JBL oil	20 gal Garlon mix	
	partially sunny	entire	T/ 4 hrs	fertilize pine plantings	Pinus	Atlantic Palm fertilizer w/ slow release K	~ 15 #	
2000								
1/16/00	partially sunny	entire	T/ 4.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	9 gal	hand sprayer
2/26/00	partially sunny	entire	T/ 5.5 hrs	exotic pest plant herbicide	Schinus, Albizia, grasses	Roundup PRO (3%)	15 gal	used 15 gal sprayer on back of ATC
4/15/00	partially sunny	fire breaks	T/ 4.5 hrs	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe		
4/24/00	mostly sunny / hot	B2, A4	T, B, Rafaela, Mirna, Maria - 10 hrs	drill holes w/ rotating hammer drill & plant tublings	pine tublings		water in tublings using 1 tsp VitaGrow B-1 / gal	water in tublings using 1 tsp VitaGrow B-1 / gal
4/25/00	mostly sunny / hot	B2, A4	T, B, Rafaela, Mirna, Maria - 10 hrs	drill holes w/ rotating hammer drill & plant tublings	pine tublings		water in tublings using 1 tsp VitaGrow B-1 / gal	used largest rotating hammer drill w/ 2 1/2" bit - media = 1 sm Rubbermaid container Green orchid media template + 6 pots worm castings + 2 hydrated containers of 9 TBS AgroDiamonds inc VitaGrow B-1 + 1 cup Nutricote 13-13-13 T270
4/26/00	mostly sunny / hot	B2, A4	T, B, Rafaela, Mirna, Maria - 10 hrs	drill holes w/ rotating hammer drill & plant tublings	pine tublings		water in tublings using 1 tsp VitaGrow B-1 / gal	used largest rotating hammer drill w/ 2 1/2" bit - media = 1 sm Rubbermaid container Green orchid media template + 6 pots worm castings + 2 hydrated containers of 9 TBS AgroDiamonds inc VitaGrow B-1 + 1 cup Nutricote 13-13-13 T270
5/4/00	mostly sunny / hot	entire	T	hand removal & trimming	Schinus, Albizia, grasses	mechanical removal - pick axe	mechanical	right before Annual FL Native Plant Conference tour
5/7/00	mostly sunny / hot	E, W, + partial S perimeter	T & B - 3.5 hrs	ATC w/ 15 gal tank sprayer	Schinus, Albizia, grasses	Roundup PRO 3%	one tank - 15 gal	windy - making some area applications easier, some more difficult / hose on sprayer too short for effective S area application, so we started to attack the outer infested areas
5/16/00	mostly sunny / hot	back fire break	T&B - 3 hrs / Botek Construction	Boteck's crane flat bed				deliver & install 3 eagle / great-horned owl roosting platforms
5/18/00	mostly sunny / hot	back fire break	T&B - 9.5 hrs	JRH Heavy Equipment Rental - back hoe				mark out, clear plant material, dig out 2 watering station pools, rescue replant Sabals, saw Palmettos, & Tetrazigia
12/27/2000 - **WILDFIRE** - 4:30 PM - Deleon, rental farmer to the South, started fire using acetylene torch cutting down steel cables from the wind break structure they were tearing down								
12/28/2000 - **WILDFIRE** - cold front comes in @ 11:00 AM - fire jumps back firebreak & consumes entire 15 acres & jumps SW 300 Street to burn through neighbor's pineland - took less than 30 minutes. 3.25 years since 6th prescribe burn.								
2001								
2/4/01	overcast	along firebreaks	T- 4 hrs	herbicide	exotic grasses	Roundup Pro 5%	15 gallons - 3 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
3/3/01	sunny	entire	T - 5 hrs	hand removal & trimming	exotic grasses + Schinus, Albizia			
3/12/01	sunny	along firebreaks	T - 3.5 hrs	herbicide	Schinus, Albizia, grasses	Roundup Pro 5%	25 gallons - 5 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
5/6/01	partially sunny	entire	T & B - 3.5 hrs ea	hand removal & trimming	exotic grasses + Schinus, Albizia			
6/17/01	sunny	entire	T - 4 hrs	hand removal & trimming + herbicide	exotic grasses + Schinus, Albizia	Roundup Pro 5%	30 gallons - 6 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
7/4/01	sunny	entire	T - 3 hrs	hand removal & trimming + herbicide	exotic grasses + Schinus, Albizia	Roundup Pro 5%	15 gallons - 3 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
7/8/01	partially sunny	along firebreaks	T - 3.5 hrs	hand removal & trimming + herbicide	exotic grasses + Schinus, Albizia	Roundup Pro 5%	15 gallons - 3 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
8/11/01	sunny - getting ready to rain	north portion of firebreaks + SW 300 St	T - 5 hrs	herbicide	Schinus, Albizia, grasses	Roundup Pro 5%	35 gallons - 7 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
9/9/01	partially sunny	entire	T - 4.5 hrs	herbicide	Schinus, Albizia, grasses	Roundup Pro 5%	25 gallons - 5 X full backpack sprayer	4 cups Roundup in 5 gallon sprayer
11/18/01	mostly sunny / hot	entire	T - 7.5	herbicide	Schinus, Albizia, grasses	Roundup Pro 4%	45 gallons - 9 X full backpack sprayer	3 cups Roundup in 5 gallon sprayer
11/23/01	partially sunny	entire	T - 2.5 hrs	hand removal & trimming	exotic grasses			
12/4/01	sunny	along firebreaks	T - 2.5 hrs	hand removal & trimming + herbicide	exotic grasses	Roundup Pro 4%	5 gal = 1 X full backpack sprayer	3 cups Roundup in 5 gallon sprayer
12/30/01	partially sunny	entire	T - 5 hrs	hand removal & trimming	exotic grasses + Schinus, Albizia			concentrate on Napier & Neyraudia grasses in NE sector of property - hand removing using steel pick + along South / E half of fence line
2002								
1/14/02	partially sunny	entire	T - 3 hrs	hand removal & trimming + herbicide	exotic grasses	Roundup Pro 4%	5 gal = 1 X full backpack sprayer	3 cups Roundup in 5 gallon sprayer + hand pulling exotic grass in low lying areas
1/25/02	partially sunny	entire	T - 3 hrs	hand removal & trimming + herbicide	exotic grasses	Roundup Pro 4%	5 gal = 1 X full backpack sprayer	3 cups Roundup in 5 gallon sprayer + hand pulling exotic grass in low lying areas
2/20/02	sunny	along firebreaks	T - 2.25 hrs	herbicide	exotic grasses + Schinus, Albizia	Roundup Pro 4%	5 gal = 1 X full backpack sprayer	3 cups Roundup in backpack sprayer - grasses in firebreak, etc.
4/11/02	sunny	along firebreaks	T - 4 hrs	hand removal & trimming	exotic grasses + Schinus, Albizia			
5/20/02	overcast	NW, N, and E perimeters	T - 4 hrs	herbicide	exotic grasses + Schinus, Albizia	Roundup Pro 4%	25 gallons - 5 X full backpack sprayer	3 cups Roundup in backpack sprayer - grasses in firebreak, etc.
6/1/02	partially sunny	N, E, and 2/3 of S fence perimeter	T - 4 hrs	herbicide	Napier, Neyraudia, Shinus, Jasmine & exotic vines	Roundup Pro 4%	15 gal in power sprayer on ATC	10 cups in 15 gal H2O in sprayer w/ extension hose
6/9/02	mostly sunny / hot	continue S perimeter	T - 5 hrs	herbicide	Napier, Neyraudia, Shinus, Jasmine & exotic vines	Roundup Pro 4%	30 gal in power sprayer on ATC	10 cups in 15 gal H2O in sprayer w/ extension hose
6/23/02	cloudy	south portion behind house	T - 4 hours	plant pine tublings from 2001				planted tublings using steel pick into clay soft areas
7/5/02	mostly sunny / hot	along firebreaks & around house	T - 2 hrs	herbicide	exotic grasses + Schinus, Albizia	Roundup PRO 3%	15 gal in back pack sprayer	3 cups Roundup in 5 gallon sprayer
7/27/02	mostly sunny / hot	entire	T - 3 hrs	fertilize pine plantings	Pinus	Nutricote 13-13-13 270T	approx to trunk diameter	used 150 # (3 bags)
8/23/02	mostly sunny / hot	N, E, & S fence line	T - 8 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro 5%	15 gal in power sprayer on ATC + 5 gal backpack sprayer	15 cups Roundup in 15 gal power sprayer & 4 cups in backpack sprayer
8/26/02	mostly sunny / hot	S. fence line from back gate to NW corner - from inside property	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro 5%	30 gal in power sprayer on ATC	13 cups Roundup in 15 gal power sprayer
9/16/02	mostly sunny / hot	South fenceline	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro 5%	15 gal in back pack sprayer	5 cups Roundup Pro in 5 gal backpack sprayer
10/26/02	partially sunny	South fenceline + SW corner	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro 4%	15 gal in back pack sprayer	4 cups Roundup PRO in 5 gallon backpack sprayer
12/13/02	getting ready to rain	section South of greenhouses	T - 4.5 hrs	hand pulling & pick axe	Neyraudia & Shinus (berries starting to turn red)			
12/21/02	clear & cool - cold front	E 5 acres + N road edge	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	15 gal in back pack sprayer	4 cups Roundup PRO in 5 gallon backpack sprayer
2003								
1/4/03	partially sunny	throughout property	T - 8 hrs	finish drilling, mounting, caulking ipe wooden arms on artificial tree posts	NA	NA	NA	NA
1/15/03	partially sunny	E 5 acres + N road edge	T - 2.25 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
2/3/03	partially sunny	continue S perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
4/22/03	partially sunny	N, E, & S fence line	T - 2.25 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	2 gallon hand sprayer	2 cups Roundup
4/23/03	partially sunny	S edge of new property	T - 2.25 hrs	herbicide	Shinus	Garlon 4 (30%) + JBL oil	2 gallon hand sprayer	approx 1/3 tank Garlon + 2/3 tank JBL oil
4/24/03	partially sunny	NA	T - 1 hr	drive to ProSourceOne to purchase Garlon 4 herbicide	NA	purchased 2 X 2.5 gal Garlon 4 = $419.65	NA	NA
4/24/03	partially sunny	S edge of new property	T - 2.25 hrs	herbicide	Shinus	Garlon 4 (30%) + JBL oil	2 gallon hand sprayer	approx 1/3 tank Garlon + 2/3 tank JBL oil
4/26/03	partially sunny	W edge of new property	T - 3 hrs	herbicide	exotic grasses, Schinus, & Lantana	Roundup PRO 3%	15 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
4/28/03	overcast	south fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	15 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
5/1/03		west 5 acre parcel	n/a	purchase west 5 acre parcel @ $75,000	n/a	n/a	n/a	
5/3/03	partially sunny getting ready to rain later	S edge of new property + SW corner of old	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
5/8/03	mostly sunny / hot	W edge of property - cutting in from plowed edge	T - 3 hrs	herbicide	primarily grape vine, jasmine, Schinus	Roundup PRO 3%	15 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
5/24/03	mostly sunny / hot	artificial trees near house	T - 1.5 hrs	add roofing shingles to wooden bird houses & hang from ipe wooden supports	NA	NA	NA	
6/5/03	mostly sunny / hot	Inside W fenceline by g-hse. SW 300 St, around fruit trees	T - 6 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 2%	40 gal in back pack sprayer	2 cups Roundup PRO in 5 gallon backpack sprayer
7/2/03	mostly sunny / hot	Inside W fenceline by g-hse. SW 300 St, 209 Ave, S edge of property	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
7/30/03	mostly sunny / hot	N, E, & S fence line	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
8/7/03	mostly sunny / hot	entire fence line, concentrating on South & West	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
8/12/03	partially sunny	in front of house, West fire break	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	15 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
9/7/03	cloudy	E 5 ac parcel	T - 1.5 hrs	hand removal & trimming	exotic grasses, A;bizia, Shinus	none	none	steel pick axe
9/19/03	mostly sunny / hot	property perimeter	T - 6 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	60 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ extension hose
9/20/2003 - submitted new 10 year application for Chap 25B covenant								
9/24/03	mostly sunny / hot	east buffer on new 5 acre property	T - 3 hrs	herbicide	Schinus, grape vine	Tordon RTU	2 qts	machette + 2 gallon sprayer w/ very low pressure
10/22/03	mostly sunny / hot	south & west fence line	T - 6 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
11/24/03	mostly sunny / hot	artificail tree by house entry	T - 1 hr	mount large plastic screech owl box - purchased from Noah's Notes, Inc.	NA	NA	NA	
11/30/03	mostly sunny / cool	NE section of E 5 ac	T - 2 hrs	hand removal & trimming	exotic grasses & Schinus in seed	none	none	steel pick axe
12/11/03	mostly sunny / cool	property perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
12/12/03	mostly sunny / cool	S interior property line	T - 2 hrs	herbicide	exotic grasses, Schinus, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	15 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
12/22/03	mostly sunny / cool	5 ac section behind g-hses	T - 2 hrs	hand removal & trimming	exotic grasses & Schinus in seed	none	none	
2004								
1/2/04	partially sunny	section N of house + NE section	T - 1 hr	hand removal & trimming	exotic grasses & Schinus in seed	none	none	
1/9/04	mostly sunny / cool	E, W, & S perimeter	T - 3 hours	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	
3/12/2004`	mostly sunny / cool	property perimeter	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	45 gal in power sprayer on ATC	
3/12/04				Terry called Skip @ DOF to arrange for site inspection for prescribed burn in 5/2004				
4/16/04	partially sunny	entire property	T - 5.5 hrs	herbicide + prep for pine tubling planting	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	hand sprayer	pick axe holes for planting
6/31/2004			T - 1 hr	pick up 1000 pine tublings - DOF				
7/1/04			T = 6 hrs / Rafaela, Adam, Veronica = 6 hrs each = 18 hrs for employees	mix media for bumping up pine tublings and transplant into 3.25" rose pots - place under irrigation until after scheduled prescribed burn		Fafard #3B mix + 27 TBS Agro-Diamonds (pre-saturated) per bag		
7/2/04			T - 1 hr	write prescribed burn notification letter for neighbors - forward to Skip Russell @ DOF for approval				
7/3/04	hot / sunny	2 poles for bats	T - 6 hrs	mount bat houses - tube types				prep houses for mounting - mount 2" sch 40 galvanized pipe supports
7/4/04	hot / sunny	2 poles for bats	T - 7 hrs	mount bat houses - tube types				finish mounting galvanized pipes and mount bat tubes
7/14/04	partially sunny	SW 300 St + start on west perimeter	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	prep for prescribed burn
7/15/04	overcast AM / rain PM	S + W perimeters - outside fence line	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	prep for prescribed burn
7/16/04	overcast AM / rain PM	entire property	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	prep for prescribed burn
7/21/04	hot / sunny	S + W perimeters - inside fence line	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	prep for prescribed burn - used stronger Roundup for larger plant control + faster response
8/3/04	overcast AM / rain PM	entire property	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 3%	30 gal in power sprayer on ATC	used new spryer gun - nozzle too small for long tall throw
8/9/04	hot / sunny	entire property	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	Roundup + Delux adjuvant (6 cups / 15 gal tank)
8/28/04	hot / partially sunny - stopped when thunder threatening	entire property	T - 10 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	45 gal in power sprayer on ATC	Roundup + Delux adjuvant (6 cups / 15 gal tank)
9/30/04	hot / sunny	entire property	T - 10 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	Roundup + Delux adjuvant (6 cups / 15 gal tank)
11/27/04	partially sunny	entire property - primarily perimeters	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro @ 3% + Delux activator	30 gal in power sprayer on ATC	Roundup + Delux adjuvant (6 cups / 15 gal tank)
2005								
2/21.2005	warm / sunny	perimeters	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
4/30/05	sunny	entire property - primarily perimeters	T - 6 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
5/5/05	partially sunny	entire property - primarily perimeters	T - 6 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
5/17/05	chance of rain	sect. behind g-hse	T - 8 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
5/18/05	warm / sunny	sect. to South of firebreak	T - 8 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
5/28/05	chance of rain	sect. to South of firebreak	T - 8 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
5/30/05	partially sunny	entire property - primarily perimeters	T - 6 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose
6/1/05	lawsuit against Deleon & Florida Farm Bureau (insurance company) for excaped wildfire - final settlement							
6/4/05	chance of rain	sect. behind g-hse	T - 8 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
6/10/05	chance of rain	entire property - primarily perimeters	T - 6 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose - prep for possible prescribed burn
6/11/05	chance of rain	entire property - primarily perimeters	T - 8 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	30 gal in power sprayer on ATC	8 cups in 15 gal H2O in sprayer w/ new 100' chemical hose - prep for possible prescribed burn
6/13/05	chance of rain		T - 1 hr	Skip Russel - DOF prescribed burn site inspectuion				
8/12/2005 - **7th prescribed burn** - start sunny / ending cloudy with rain threat, 80% RH w/ variable winds E 2 - 6 mph - prescribe burn by DOF using Miami-Dade, Broward, and Everglades National Park engines with 3 back-up bombadieers on-site + 3 tanker units - Skip Russell (DOF) burn boss - burned Sections A1, A2, & A4 starting @ back door of Main Greenhouse (after A2 burned proceeded to A1, then A3 - poor burning to west of greenhouses (low fuel) and on SW corner of A1 & fence line of A4 (fuel too green) - T & B - 7 hrs / Adam, Rafaela, and Maria - 6 hrs - DOF & ENP crews - 6 hrs. 4.75 years since wildfire.								
8/19/05	cloudy	A1, A2, & A4	T - 5 hrs	hand removal	as plants resprout after prescribed burn			
8/22 - 25/2005	sunny	entire property	T - 30 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO 4%	90 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
8/30 - 9/7/2005	cloudy to partially sunny	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 40 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate @ 3% = 30 gal in ATC sprayer		
9/12/05	sunny	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	2 applications using Herbi wand @ 2 qts + 3 qts H2O	
9/27/05	mostly sunny & hot	south & west perimeter	T - 1.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	15 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
10/3/05	mostly sunny & hot	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	30 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
10/19/05	mostly sunny & hot	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	30 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
10/24/05	mostly sunny & hot	south & west perimeter	T - 8 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
11/9/05	sunny	south & west perimeter	T - 6 hrs	hand planting pine tublings		added water holding polymers to media mix		located softer clay pockets
11/12/05	mostly sunny & hot	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide + hand removal	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	30 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
11/18/05	mostly sunny & hot	south & west perimeter	T - 6 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate	30 gal in power sprayer on ATC	added 4 cups ammonium nitrate to 15 gal tank for quick burn
12/5/2005 - **continuation of 7th prescribed burn** - start sunny / ending cloudy with light showers at end of burn, winds 6 - 12 mph - prescribe burn by DOF using Miami-Dade, Broward, and Everglades National Park engines with 3 back-up bombadieers on-site + 3 tanker units - Skip Russell (DOF) burn boss - burned east section + north & south of house - T & B - 19 hrs / DOF & ENP crews - 6 hrs. 4.75 years since 6th prescribe burn.								
12/6/05	mostly sunny & warm - AM heavy fog making smoke lay down	E block + sections to N & S of house	T - 3 hrs	prescribed burn mop up & lookout for flareups - Skip Russel visits site for burn review				
12/19/05	cool / overcast	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Dynamic (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
12/22/05	cool / sunny	entire property - concentrating on fence perimeter & prescribed burn resprouting	T - 5.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Dynamic (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
2006								
2/8/06	partly sunny	entire property	2.5 hrs	Pine Rockland 2006 Conference site tour				
2/14/06	partly sunny	entire property	T - 4.5 hrs	plant out pine tublings	Pinus eliottii var. densa			
2/18/06	sunny	perimeters	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), Dynamic (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
3/10/06	sunny	entire property	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), Dynamic (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	did not spray near Croton lobatus in SW corner of pineland on fence line
3/23/06	sunny	entire property	T - 6 hrs	plant out pine tublings	Pinus eliottii var. densa			
4/19/06	sunny	entire property	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), Dynamic (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	did not spray near Croton lobatus in SW corner of pineland on fence line
5/2/06	sunny	along East fire break and diagonal old road going to back of house	T - 1.5 hrs	drill 10" holes for new Lone Star purple martin houses using Johnny Posthole's tractor				extremely hard rock to drill
5/4/06	sunny	(same as above)	T - 9 hrs + Jose Coronado - 2.6 hrs	assemble 5 purple martin houses + pour concrete for ground sockets for posts				2.5 - 60# bags per hole on average
5/5/06	sunny	(same as above)	T - 9 hrs + Jose Coronado - 2.6 hrs + Veronica Coronado - 2.5 hrs	assemble purple Martin houses on poles & install				
5/6/06	sunny	perimeters	T - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	prep for Florida Native Plant Society tour of property on 5/27/2006
5/10/06	sunny	E 5 acres + N road edge	T - 4 hours	plant out pine tublings	Pinus eliottii var. densa			
5/25/06	cloudy	entire property + perimeters	T - 4.5 hrs	herbicide + pick axe digging of exotic grasses - seed source on neighbor's property on North + East	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
5/27/06	Dade Chapter - Florida Native Plant Society property tour							
6/1/06	cloudy	entire property + perimeters	T - 4.5 hrs	herbicide + pick axe digging of exotic grasses - seed source on neighbor's property on North + East	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
6/20/06	partly sunny	entire property + perimeters	T - 4.5 hrs	herbicide + pick axe digging of exotic grasses - seed source on neighbor's property on North + East	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	60 gal in power sprayer on ATC	
6/28/06	sunny	section behind house to south of fire break	T - 3.0 hrs	plant out pine tublings	Pinus eliottii var. densa			
7/4/06	sunny	section between house and greenhouses	T - 3.0 hrs	plant out pine tublings	Pinus eliottii var. densa			
7/11/06	sunny	entire property	2.5 hrs	Pine Rockland Working Group site tour				
7/13/06	partly sunny	entire property + perimeters	T - 4 hours	herbicide + pick axe digging of exotic grasses - seed source on neighbor's property on North + East	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
7/14/06	sunny	west perimeter between greenhouses and The Field	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
8/2/06	partly sunny	entire property + perimeters	T - 4 hours	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (2 cups), gramoxone (0,9 cup), Finale (5.6 cup), Gallery (5 TBS), Surflan (2 cups), ammonium sulfate (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
8/25/06	partly sunny	entire property	T - 3.0 hrs	plant out pine tublings	Pinus eliottii var. densa			
8/26/06	partly sunny	entire property	T - 2.0 hrs	plant out pine tublings	Pinus eliottii var. densa			
9/5/06	sunn	entire property + perimeters	T - 4 hours	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
9/8/06	overcast	entire property	T - 3.0 hrs	plant out pine tublings	Pinus eliottii var. densa			
9/14/06	overcast	entire property	T - 3.0 hrs	plant out pine tublings	Pinus eliottii var. densa			plant Pinus tublings before possible Forest Stewardship site inspection on 9/15/2006
9/28/06	sunny	perimeters	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
11/7/06	partly sunny	perimeters	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	Terry has broken foot from falling off roof - can only drive on ATC & apply herbicide
11/21/06	partly sunny	perimeters	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	Terry has broken foot from falling off roof - can only drive on ATC & apply herbicide
12/1/06	partly sunny	perimeters + fire breaks	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	Terry has broken foot from falling off roof - can only drive on ATC & apply herbicide
12/15/06	sunny	perimeters + fire breaks	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	Terry has broken foot from falling off roof - can only drive on ATC & apply herbicide
2007								
	partly sunny	entire property	T - 3.0 - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
	sunny	perimeters + fire breaks	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	partly sunny	entire property	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	sunny	entire property	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	partly sunny	outside perimeters	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	partly sunny	outside perimeters	T - 3.0 - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
	partly sunny	entire property	T 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	15 gal in power sprayer on ATC	
8/7/07	hot / sunny	N, E, W perimeter	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
8/7/07	sunny	Terry called Gary Lewis - try to coordinate prescribe burn w/ Lynn property next door? Call back in 2 weeks - Skip is in Montana.						
	sunny	outside perimeters	T - 3.0 - 3.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
	partly sunny	perimeters + fire breaks	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	sunny	outside perimeters	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	partly sunny	entire property	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
	partly sunny	entire property	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	

2008

1/3/08	partly sunny	entire property	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
1/22/08	partly sunny	entire property concentrating in W perimeter area	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
2/8/08	hot / sunny	entire property	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
2/9/08	hot / sunny	entire property	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
2/19/08	partly sunny	entire property	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
3/6/08	hot / sunny	entire property concentrating in S perimeter area	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
3/7/08	partly sunny	entire property	T - 4.5 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
3/14/08	partly sunny	small area to N of Main Greenhouse	T - 1 hr	herbicide in 5 gal backpack	large live oak, shinus, Albizia	4 gal pine sap solvent + 1 gal Garlon 4	5 gal total	basal spray
3/28/08	install 6 new Lone Star Goliad purple martin houses - 20 compartment units w/ side purchases - sparrow exclusion doors							
4/28/08	hot / sunny	N, E, W perimeter	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
4/29/2008 - 5/5/2008	Terry - bilateral total knee replacement surgeries							
6/21/08	partly sunny	entire property concentrating in W perimeter area	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (4 cups) in 15 gal sprayer	45 gal in power sprayer on ATC	
6/17/08	hot / sunny	entire property	T & B - Forest Stewardship recertification - visit by Gary Lewis (DOF) & Micah Pace (DOF - coordinator for Forest Stewardship Program) & Mark Torok (Senior Forester in charge of Forest Stewardship program)	consultation & inspection				
6/25/08	partly sunny	entire property concentrating in S perimeter area	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (5.6 cup), Quest (2 cups) in 15 gal sprayer	30 gal in power sprayer on ATC	
7/14/2008 - Tim Reagan - USFWS - Forest Stewardship inspection & consultation								
7/15/08	hot / sunny	entire property	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (4 cup), Quest (4 cups) in new 25 gal sprayer on ATC	50 gal in power sprayer on ATC	prep for possible prescribed burn the end of 8/2008
7/16/08			T - 1 hr	renew 10 year WHIP contract with Christine Coffin				
8/2/08	hot / sunny	entire property concentrating in S perimeter area	T - 5.0 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup PRO Concentrate (4 cups), Finale (4 cup), Quest (4 cups) in new 25 gal sprayer on ATC	50 gal in power sprayer on ATC	prep for possible prescribed burn the end of 8/2008
8/4/08	hot / sunny	entire property - 3 days	Paul Berry and Ya Yang - Chamaesyce experts from Univ of Mich - Euphorbia Planetary Biodiversity Inventory Project	research & plant inventory	n/a	n/a	n/a	Paul Berry & Ya Yang (yangya@umich.edu) - GPS & genetic samples of Euphorbaceae & Chamaeyche in Pineland
8/13/08	partly sunny	S perimeter fenceline	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	25 gallons	prep for possible prescribed burn the end of 8/2008
8/14/08	partly sunny	S perimeter fenceline	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	25 gallons	prep for possible prescribed burn the end of 8/2008
8/14/08	cloudy threatening to rain - late afternoon		T - 1 hr	consultation & inspection				Karen Minkowski & Scott Lewis property inspection - Fairchild's "Connect To Protect" project
8/16/08	hot / sunny	east & south perimeter and area around greenhouses	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines - reduce concentration of Southern Sumac	Garlon 4 + pine oil dilutant - something like 1:10 ratio (used remainder of what was left in bottom of 2.5 gal jug --- 1 qt?)	less than 3 gallons in backpack sprayer	noticing along perimeter areas that Sumac is getting too large and tall shading out understory diversity - sprayed Garlon basically and along exposed rhysome trunk producing copices/ Also sprayed some large trunked oaks.
8/28/08	hot / sunny	entire property concentrating in S perimeter area	T - 4.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines - reduce concentration of Southern Sumac	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	50 gallons	
9/18/08	partly sunny	west fence line	T - 2.5 hrs	herbicide	Albiizia, grape vine, Rhus stands	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	25 gallons	
9/19/08	partly sunny	west fence line	T - 2.5 hrs	herbicide	Albiizia, grape vine, Rhus stands	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	25 gallons	
9/20/08	partly sunny	entire pineland concentrating on east 5 acres	T - 2.5 hrs	herbicide	Albiizia, grape vine, Ligustrum trees from neighbor on east	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	25 gallons	
9/23/08	overcast - rain in the PM	entire pineland concentrating on east 5 acres + area east & north of house + wire grass in fire breaks	T - 3 hrs	herbicide	Albiizia, grape vine, Rhus stands + Neyraudia	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in new 25 gal sprayer on ATC	50 gallons	
9/24/08	partly sunny	entire property	T - 1 hr	create 20 pine stand transcet sites to record density, girth, height of pines for Forest Stewardship recertification				Florida Dept of Agriculture and Consumer Services: Mark Torak (Senior Forester) & Micah Pace (Cooperative Forestry Assistance Coordinator)
10/4/08	partly sunny	working on west fenceline and north section by greenhouses	T - 2 hrs	herbicide	Albiizia, grape vine, Shinus, and Rhus stands	Garlon 4 - 1:4 w/ JLB oil	2 gallons	dribbled onto lower trunks except for grape vines where I dribbled onto sections of vine
10/6/08	sunny, hot	working on west fenceline, north section by greenhouses, and section between house + greenhouses	T - 3 hrs	herbicide	Albiizia, grape vine growing into lychee trees, Shinus, Rhus stands, + Neyraudia	Garlon 4 - 1:4 w/ JLB oil	4 gallons	dribbled onto lower trunks except for grape vines where I dribbled onto sections of vine
10/7/08	Pine Ridge Sanctuary - recertification as Forest Stewardship property							
10/13/07	received 245 pine tublings from Joy Klein - last of Pinus elliotii var. densa seed lot collected							
10/17/2008 - **8th prescribed burn** - prescribed burn with DOF (Skip Russell DOF burn boss), Miami-Dade County DOF engines, Broward County DOF engine, and Everglades National Park engine involved with 2 bombardiers on-site - sunny - 68% RH - winds ENE 6 - 11 mph - test burn behind greenhouses - proceeding to burn back of greenhouse section using backing and head fires - head fires through western section into palm nursery to reduce accumulated fuels after herbicide treatments throughout year - burned back of house section, then front of house, then eastern section (using head fire from 209 Ave outside of fence line), then burned section north of greenhouses by lychee trees (heavy fuels from not having been burned for 20 years - herbicide and chainsaw treatments throughout year to prep for burn) - used 2 engines to wet down double poly roof on repotting station for greenhouse - tried burning NW corner by lychee trees - fuel still too green in this area even though partial success due to herbicide treatments - NE corner of property still too green to burn well (as usual). 3 years since 7th prescribe burn.								
10/21/08	contacted Keith Bradley @ IRC to check into labor to help plant pine tublings							
12/1/08	partly sunny	east & south perimeter inside fence line	T - 2.5 hrs	hand pull weedy vines as they come up after prescribed burn		n/a	n/a	
12/1/08	partly sunny	entire property	T - 1 hr	lower all the artificial bird poles & bat poles - pulley and steel cable rusting away causing support to fall -- need to order stainless steel pulleys and cable				
12/10.2008	partly sunny	entire property	T & B - 8 hrs	news conference w/ Mark Torak (Division of Forestry), Keith Bradly (Institute for Regional Conversation / Pine Rockland Workging Group), & Georgia Tasker (Miami Herald) - Forest Stewardship recertification plaque presentation				

2009

1/5/09	mostly sunny - cool	east & south perimeter	T - 2.5 hrs	herbicide	Albiizia, grape vine, Ligustrum trees from neighbor on east	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in 25 gal sprayer on ATC	25 gal	
1/26/09	mostly sunny - warmer	south and west perimeter	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, & exotic vines	Roundup Pro (6 cups/25 gal) + Quest (4 cups) in 25 gal sprayer on ATC	25 gal	
2/5/09	clear, cold, & windy - 34F w/ 13 mph winds - overhead frost protection irrigation since 2:30 AM - Jessie arr 8:45 AM but overhead still running @ 38 F	pineland west of fenceline	T - 7.0 hrs (planting pine tublings, hand pulling exotic pest plants, & picking up trash), B - 7.0 hrs (planting pine tublings) , Adam + Jose Coronado - 4.5 hrs, Jessie Freedman - IRC (305) 247-6547 (planting pine tublings) - 4.5 hrs	rent / use rotating hammer drill - plant pine tublings, hand pull exotic pest plants coming up after prescribed burn, & pick up trash	Pinus eliottii var. densa			Mixed soil media with Agro-Diamonds @ 1:1 ratio for about 150 pine tublings. Ran out of media mix so switched over to used orchid media supplimented @ about 1:1 with additional Agro-Diamonds. Carried workers, potting media, Honda generator, pine tublings, and rotating hammer drill w/ 3" bit & 50' electrical cord on 4 wheel self-tracking trailer behind ATC.
2/9/09	fairly warm & mostly sunny	pineland west of fenceline	T - 2 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Fireball (2 cups), Quest (2 cups), Tower (1 cup) + Surflan (2 cups) in 25 gallons	25 gal	right at end, spray gun aluminum shaft rots off
2/19/09	sunny	inside and outside fence line - south perimeter	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	drove into SW corner of pineland about 100' from corner to walk on inside of fence line to herbicide emerging exotics that cannot be reached by spraying through fenceline
3/1/09	fairly warm & mostly sunny	pineland west of fenceline	T - 2.5 hrs	herbicide + hand pulling weeds around planted pine tublings to prevent herbicide drift near seedlings	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
3/17/09	fairly warm & mostly sunny	east & south perimeter	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
3/26/09	fairly warm & mostly sunny	pineland west of fenceline	T - 2.5 hrs	herbicide + hand pulling weeds around planted pine tublings to prevent herbicide drift near seedlings	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
4/6/09	fairly warm & mostly sunny	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	concentrated on south fence line - Rhus resprouting under main trunks dead from Garlon basal spraying
4/17/09	fairly warm & mostly sunny	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
5/11/09	fairly warm & mostly sunny	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	starting to receive rainfall after 5 month draught
5/26/09	fairly warm & mostly sunny - afternoon rain	entire property	T + Mary Truglio & Mark Minno (FLFWS) - buterfly survey	butterfly survey	n/a	n/a		
5/27/09	fairly warm & mostly sunny - afternoon rain	inside fence line - south perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	heavy rain about 30 minutes after last application of herbicide at the SW corner inside the fence line - in one week, will access the efficiency considering possible rain washoff
5/28/09	fairly warm & mostly sunny - afternoon rain	inside and outside fence line - south perimeter + east perimeter	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
6/9/09	fairly warm & mostly sunny - afternoon rain	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Fireball (5 cups) in 25 gal ATC sprayer	25 gal	
6/19/09	fairly warm & mostly sunny - afternoon rain	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Fireball (5 cups) in 25 gal ATC sprayer	25 gal	
6/20/09	fairly warm & mostly sunny - afternoon rain	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Fireball (5 cups) in 25 gal ATC sprayer	25 gal	
6/23/09	fairly warm & mostly sunny - afternoon rain	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Fireball (5 cups) in 25 gal ATC sprayer	25 gal	
7/4/09	fairly warm & mostly sunny - afternoon rain	inside and outside fence line - south perimeter + east perimeter	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
7/6/09	hot & sunny	entire property	T - 1 hr	Environmentally Endangered Lands (EEL) Certification inspection - Helena Giannini + India Pascullis from Department of Environmental Resource Management (DERM)		n/a		
7/7/09	hot & sunny in AM	concentrate on SW corner inside fence + around house	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	used Finale because it seems to be best for grass control - primary exotic in SW corner is Johnson grass
7/17/09	fairly warm & mostly sunny - afternoon rain	entire property	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
7/27/09	hot & sunny	entire property	T - 4.0 hrs	herbicide + hand pulling weeds around planted pine tublings to prevent herbicide drift near seedlings	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
8/8/09	fairly warm & mostly sunny - afternoon rain	entire property concentrating on west edge	T - 2.5 hrs	herbicide + hand pulling weeds around planted pine tublings to prevent herbicide drift near seedlings	weeds around pine tublings & grape vine	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
8/21/09	hot & sunny	entire property concentrating on south edge	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
8/25/09	hot & sunny	entire property concentrating on west edge	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
9/5/09	hot & sunny	entire property concentrating on south edge	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
9/9/09	partially overcast - hot	entire property concentrating on west edge	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
9/16/09	hot & sunny	concentrate on SW corner inside fence + around house	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
9/17/09	partially overcast - hot	entire property concentrating on south edge	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	25 gal	
9/28/09	hot & sunny	north of g-has, back of house, East 5 ac	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia from Lynn's property, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Roundup Pro Concentrate (5 cups) in 25 gal ATC sprayer	50 gal	
10/1/09		entire EEL property	T & B - 2 hr	Pine Rockland inspection w/ Christine Coffin (District Conservationist USDA-Natural Resources Conservation Service), Ann Mills (USDA Undersecretary of Agriculture for Natural Resources & Environment, Washington - ann.mills@osec.usda.gov), Ed Wright (USDA-NRCS Environmental Liaison FL), Carlos Suarez (USDA-NRCS State Conservationist), Jeff Schmidt (USDA-NRCS South FL Asst State Conservationist), and Cooper McMillan (Chairman South Dade Soil & Water Conservation District) - to show newly appointed Deputy Undersecretary how NRCS impliments WHIP Program (one of the USDA's Farm Bill conservation programs)				
10/13/09	sunny - no rain	west fence line - by The Field	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
11/4/09	sunny - no rain	west fence line - by The Field	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, grape vine, Jasmine vine, exotic vines, Bidens, & weed seedlings coming up after prescribed burn	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
11/6/09	sunny - no rain	west fence line - by The Field	T - 1.0 hr	herbicide	Rhus & oak	1:4 mix Garlon 4 : JLB oil	1 gal	thinning hardwods
11/19/09	sunny - no rain	entire EEL property	T - 1.0 hr	herbicide	Neyraudia	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	10 gal	
11/20/09	sunny - no rain	entire EEL property	T - 2 hrs	walk through property after Neyraudia showing signs of herbicide burn manually cutting off Neyraudia seed heads & placing them in garbage bag	Neyraudia	scissors	n/a	
11/21/09	sunny - no rain	area behind greenhouses	T - 0.75 hr	herbicide	Neyraudia	Quest (6 TBS) + Finale (6 TBS) in 2 gal pump sprayer	2 gal	
1/4/10	sunny	entire EEL property	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia from Lynn's property, exotic vines, Bidens, & weed seedlings	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
1/19/10	sunny	southern portion inside of fence line	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, & weed seedlings	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
1/25/10	partly sunny	western edge ouside of fence line	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, & weed seedlings	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
1/28/10	partly sunny	southern portion inside of fence line	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, & weed seedlings	Quest (4 cups) + Finale (5 cups) in 25 gal ATC sprayer	25 gal	
2/1/10	partly cloudy	southern portion inside of fence line	T - 2 hrs	hand saw + basal bark herbicide	oak & Rhus	1:3 mix Garlon 4 : JLB oil	0.75 gal mix	thinning hardwods
2/4/10	partly cloudy	southern portion inside of fence line	T - 2 hrs	hand saw + basal bark herbicide	oak & Rhus	1:3 mix Garlon 4 : JLB oil	0.75 gal mix	thinning hardwods
2/10/2010 - 2/12/2010	n/a	Fairchild Tropical Botanical Gardens	T + B - 3 days	Pine Rockland Working Group Conference	n/a	n/a	n/a	
2/13/10	n/a	Bill Sadowski Park	T + B - 6 hrs	Pine Rockland Working Group Conference & IRC - Private Landowners workshop	n/a	n/a	n/a	
2/17/10	sunny	entire property - concentrating on north & south edges	T - 7 hrs	hand saw + basal bark herbicide	oak & Rhus	1:3 mix Garlon 4 : JLB oil	2 gal	thinning hardwods
2/23/10	partly cloudy	SW corner + west edge	T - 4 hrs	chain saw	oak	n/a		cut down largest oaks
3/2/10	sunny	area behind greenhouses	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, & weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
3/17/10	partly cloudy	entire property - concentrating on north & south edges	T - 3 hrs	chain saw	oak & Rhus	n/a	n/a	
3/31/10	sunny	S, E, and N fence line perimeter	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, & weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	50 gal	
4/24/10	sunny	west fence line	T - 2 hrs	herbicide & hand pulling / pick axe	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, cut down oak stump resprouts	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
5/12/10	partly cloudy	west fence line	T - 2 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, cut down oak stump resprouts	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
6/14/10	partly sunny w/ threat of rain after 2:30 PM	E 1/2 of property	T - 4 hours + Jim Duquesnel & Institute For Regional Conservation (IRC) exotics management team of 4 workers - 5 hrs	herbicide, hand pulling, & flagging	Shinus, Neyraudia, Jasminum fluminense & Jasminum dichtomum, Govenor's plum (Flacourtia indica), and Macroptilium lathyroides (purple bushbean) around house and along South fence line	33% Garlon 3A used for cut stump method, hand removal for smaller weeds, + 3% Roundup Pro Max for Neyraudia		Albizia tagged with pink flagging tape for mechanical removal later (didn't want to use Garlon 4) + cut stump of Jasmine tagged for reapplication in 2 months
6/15/10	partly sunny w/ threat of rain after 2:30 PM	W 1/2 of property	T - 4 hours + Institute For Regional Conservation (IRC) exotics management team of 4 workers - 5 hrs	herbicide, hand pulling, & flagging	Shinus, Neyraudia, Jasminum fluminense & Jasminum dichtomum, Govenor's plum (Flacourtia indica), and Macroptilium lathyroides (purple bushbean) around house and along South fence line	33% Garlon 3A used for cut stump method, hand removal for smaller weeds, + 3% Roundup Pro Max for Neyraudia		Albizia tagged with pink flagging tape for mechanical removal later (didn't want to use Garlon 4) + cut stump of Jasmine tagged for reapplication in 2 months
6/19/10	sunny	north, west, and south of greenhouse + alongwest fire break	T - 4 hrs	herbicide	weeds along with Macroptilum (purple bushbean), grasses, and excess Rhus	Choice Weather Master (4 cups) + Roundup Pro (4 cups) + Pendulum Aquacap (6 cups) in 25 gal ATC sprayer	25 gal	
6/21/10	partly sunny w/ threat of rain after 2:30 PM	north 1/4 of property - east of greenhouse exit	T - 3 hrs	herbicide	Basal spray Albizia marked with flagging tape by IRC Exotic Removal Team (area N of house) + thin out Ardisia monoculture @ NE corner of property	30% Garlon 4 : JLB oil using 3 gal hand sprayer	1 gal mix	2 gal hand sprayer
6/22/10	sunny	E + S perimeter	T - 2 hrs	herbicide	overcrowdedRhus + weeds + young Naraudia	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
7/7/10	partly sunny	area N of greenhouse, NW of greenhosue behind Stalite storage area, + SE area inside of fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
7/9/10	sunny	S perimeter + section West of greenhouse by old fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
7/10/10	sunny	area south of PRO greenhouses, north of home, NE corner of property, and West section next to The Field west of old fence line	T - 6 hrs	herbicide	basal spray Cycas furfuracea behind greenhouse & by house + thin out Rhus & Ardisia clumps by house and in and around NE section of property and West section by The Filed - using basal spray & cut/spray stumps + basal spray large oaks on West section	30% Garlon 4 : JLB oil using 3 gal hand sprayer	6 gal mix	2nd application to Cycas which were showing signs of browning -- liberally sprayed trunks & growing tip of trumk
7/20/10	partly sunny	area west of western fence + along fire breaks, + north & east perimeter, + around house	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Roundup Pro (4 cups) + Pendulum Aquacap (6 cups) in 25 gal ATC sprayer	50 gal	
8/3/10	partly sunny	north, west, and south of greenhouse + alongwest fire break	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
8/20/10	partly sunny	area west of western fence + along fire breaks, + north & east perimeter, + around house	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Roundup Pro (4 cups) + Pendulum Aquacap (6 cups) in 25 gal ATC sprayer	25 gal	
8/27/10	sunny	area west of western fence + along fire breaks	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
9/1/10	partly sunny	east section - near inside fence line	T - 2.5 hrs	herbicide	thin out oaks + Ardisia	1:3 Garlon 4 : JLB oil	2 gal	cut stump + basal bark treatment
9/2/10	sunny	around greenhouse	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	2 cups Karmex DF + a little Apsa 80 surficant	25 gal	
9/3/10	partly sunny	western section by The Field	T - 3 hrs	herbicide	exotic gresses, thin out salt bush, Rhus, grape vine, etc.	Choice Weather Master (4 cups) + Roundup Pro Concentrate (4 cups) in 25 gal ATC sprayer	25 gal	
9/8/10	partly sunny	north, east, and south perimeter	T - 5 hrs	herbicide	exotic gresses, thin out salt bush, Rhus, grape vine, etc.	Choice Weather Master (4 cups) + Roundup Pro Concentrate (4 cups) in 25 gal ATC sprayer	50 gal	
9/11/10	sunny	south section inside fence concentrating on SW corner + section behind greenhouses	T - 5 hrs	herbicide	exotic gresses, thin out salt bush, Rhus, grape vine, jasmine, etc.	Choice Weather Master (4 cups) + Roundup Pro Concentrate (6 cups) in 25 gal ATC sprayer	50 gal	
9/13/10	sunny	south perimeter outside fence line, + west section next to The Field, + around house, + neighbor's section outside of our house gate on SW 300 St	T - 7 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings // sprayed fronds + drenched trunk of large Zamia furfuracea near house pumphouse & on Lynn's property by our gate to house	Roundup PRO (1 cup) + 2 cups Pendulum Aquacap in 6 gal backpack sprayer	18 gal (3 mix)	
9/14/10	partly sunny	entire property	T - 5.5 hrs	herbicide	thin our oaks and large Ardisia groves throughout property, thin out Rhus, vines	Garlon 4A (1:3) + JLB oil	2 gal	basal bark spray - very low pressure - SE breezes
9/24/10	partly sunny	entire property	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Rely 200 (4 cups) in 25 gal ATC sprayer	25 gal	
10/1/10	sunny	east & south fence line perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Rely 200 (4 cups) in 25 gal ATC sprayer	25 gal	
10/22/10	sunny, cooler	western section by The Field concentrating on SW corner	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Roundup Pro Concentrate (6 cups) in 25 gal ATC sprayer	25 gal	
11/16/10	sunny	western section by The Field	T - 1 hr	herbicide	exotic gresses, thin out salt bush, Rhus, grape vine, jasmine, etc.	Choice Weather Master (1 cup) + Roundup Pro Concentrate (1 cup) in 6 gsl backpack sprayer	6 gal	
11/17/10	sunny	south section inside fence concentrating on section west of back exit gate	T - 3 hrs	herbicide	exotic gresses, thin out salt bush, Rhus, grape vine, jasmine, etc.	Choice Weather Master (4 cups) + Roundup Pro Concentrate (6 cups) in 25 gal ATC sprayer	25 gal	
11/26/10	partly sunny	E + S perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Rely 200 (4 cups) in 25 gal ATC sprayer	25 gal	
12/29/10	partly sunny	entire property	T - 8 hrs	herbicide	Neyraudia, Albizia, Shinus	Finale (6 TBS) in 2 gallon sprayer	6 gal	noted young Shinus & Neyraudia with seed heads during property tour with Joy Klein (DERM) & Katie Halloran (Senior Planner for Miami-Dade County Dept of Planning and Zoning for fast track EEL acquisition) - cut off and bag Neyraudia seed heads

2011

1/12/11	cloudy - cold front	concentrate in NE corner	T - 2.5 hrs	herbicide + cutting off seed heads	Neyraudia	Finale (6 TBS) in 2 gallon sprayer	2 gal	
1/12/11	cloudy - cold front	entire property	T + B + Jane Griffin Dozier (Environmental Resource Project Supervisor, Natural Areas Management - Miami-Dade Park & Recreation Dept) + Rodell Collins (head Landscape Supervisor 3, Natural Areas Management - Miami-Dade Park & Recreation Dept) - from EEL Acquisition Program	EEL acquisition program property inspection	n/a	n/a	n/a	
2/15/11	sunny	Purple Martin bird poles	T - 3 hrs	replace rusted wire rope with marine grade 316 stainless steel 3/16" wire rope + stainless steel nuts & bolts to tie wire rope into base house	n/a	n/a	n/a	worked on the four 3 level boxes that still had old wire rope in one piece
2/16/11	sunny	Purple Martin bird poles	T = 10 hes // Adam Coronado + Jose Coronado = 3 hrs each	replace rusted wire rope with marine grade 316 stainless steel 3/16" wire rope + stainless steel nuts & bolts to tie wire rope into base house	n/a	n/a	n/a	worked on 1 3 level box and the 6 4 level box sets that the wire rope had rusted away - had to lift poles out of the ground sockets & lay the poles down to replace the wire rope
3/1/11	sunny	section inside of South & West fence line + section between West fence line and The Field	T - 4 hrs	herbicide	thin out monoculture of Myrsine; thin out oak, grape vine, Shinus	Garlon 4 (3 L) + JLB oil (6 L)	2 gal	
3/8/11	sunny	inside section of East 5 acre	T - 3 hrs	herbicide	Shinus, posoin ivy vines, Rhus	Roundup Pro Concentrate (4 cups) in 25 gal ATC sprayer + Apsa 80 surficant	25 gal	
3/9/11	partly sunny	SW corner + west edge	T - 1.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Roundup Pro Concentrate (1 cup) in 5 gal backpack sprayer + Apsa 80 surficant	5 gal	
3/25/11	partly sunny	SW corner + west edge	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Roundup Pro Concentrate (1 cup) in 5 gal backpack sprayer + Apsa 80 surficant	5 gal	
4/4/11	sunny	west edge next to the Field	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Roundup Pro Concentrate (1 cup) in 5 gal backpack sprayer + Hel-Fire activator (4 TBS) + Pendulum Aquacap (1 cup)	10 gal	
4/4/11	sunny	entire property	T - 1.5 hrs	herbicide	hardwood control & poison ivy vines that have formed big canopies up snags	1:3 Garlon 4 : JLB oil	2 gal	
4/16/11	sunny	entire property	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Roundup Pro Concentrate (1 cup) in 5 gal backpack sprayer + Hel-Fire activator (4 TBS) + Pendulum Aquacap (1 cup)	10 gal	
4/22 - 4/23/2011	sunny	entire property	11 hrs - Dan Hipes (Assistant Director + Senior Zoologist) & Kim Gulledge (Field Biologist - cell (352) 262-9199 / kgulledge@fnai.org) - Florida Natural Areas Inventory - plant survey in 10 GPS locations - 1018 Thomasville Road, Suite 200-C, Tallahassee, FL 32303 - (850) 224-8207 X 220.	Florida Natural Areas plant inventory	n/a	n/a	n/a	
5/12/11	sunny	entire property	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Finale (4 cups) + Hel-Fire (1 cup) in 25 gal sprayer on ATC	25 gal	
5/17/11	sunny	north, east, and concentrating on south fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Finale (4 cups) + Hel-Fire (1 cup) in 25 gal sprayer on ATC	25 gal	
5/18/11	partly sunny	west edge next to the Field	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Roundup Pro Concentrate (4 cups) + Hel-Fire (1 cup) in 25 gal sprayer on ATC	25 gal	
6/7/11		entire property		Environmentally Endangered Land Acquisition Selection Committee tour of property - 13 government and County Commisioners inc. Joy Klein (DERM), Janet Gil (Environmental Resources Project Supervisor - EEL Program), Jane Dozier (Miami-Dade PR), Joe Maguire (Miami-Dade PR), Yolanda Santana (DERM), Tiffany Melvin (DERM), Robim Gary (DERM), Katie Halloran (Senior Planner - Miami-Dade County Dept of Planning & Zoning)	n/a	n/a	n/a	
6/7/11		Castello Hammock		EEL Land Acquisition Selection Committee + County Commission meeting at Castello Hammock following Pine Ridge Sanctuary field trip	n/a	n/a	n/a	
6/9/11	partly sunny	north, west, and concentrating on south fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Rely 200 (4 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	25 gal	
6/18/11	partly sunny	entire property	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Rely 200 (4 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	25 gal	
6/21/11	partly sunny	west edge next to the Field	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Rely 200 (4 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	25 gal	
6/30/11	overcast	west edge next to the Field	T - 1.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Rely 200 (1 cups) in 16 gal trailer sprayer + Hel-Fire (1 cup) surficant	16 gal	
7/3/11	partly sunny - threateniong to rain later	south perimeter - inide of fence from exit gate to SW corner	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer	25 gal	
7/9/11	partly sunny	west edge next to the Field	T - 2 hrs	chainsaw	large dead oaks & clear some Myrsine monocultures	n/a	n/a	
7/9/11	partly sunny	west edge next to the Field	T - 2 hrs	insecticide	mainly Myrsine & Tetrazygia	Bio-Wash soap (3 TBS / gal)	40 gal in 200 gal ag sprayer	
7/10/11	sunny	north & south of home / along fire breaks	T - 2 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer - sprayer fell off back of ATC & PVC piping broke	10 gal	
7/12/11	sunny	north & south of home / along fire breaks	T -3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, Zamia fuffuracea	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer - transferred herbicide from broken sprayer to 2 gallon hand sprayer to finish tank mix	25 gal	
7/17/11	partly sunny	west edge next to the Field	T - 2 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Choice Weather Master (4 cups) + Finale (4 cups) in 25 gal ATC sprayer - transferred herbicide from broken sprayer to 2 gallon hand sprayer to finish tank mix	6 gal	
7/20/11	sunny	entire property - concentrate on south portion	Terry + IRC worker crew - Sarah Martin (cell 305-505-9192) + 2 workers - 2.5 hrs	herbicide + hand pull - prep for prescribed burn	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, Zamia fuffuracea	15% Garlon 4 Ultra (using cooking oil dilutant) for cut stump spray & 3% Roundup	4 gal Roundup mix / 5 oz Garlon mix	
8/4/11		entire property	Dr. Chris Wirth (vabugboy@comcast.net), working w/ Dr. Barry Knisley (Randolph-Macon College, Ashland, VA 23005 bknisley@rme.edu) investigating presence of Cicindela scabrosa floridana very rare beetle	research	n/a	n/a	n/a	
8/12/11	cloudy - before rain	south & west perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Hel Fire (4 cups) + Finale (4 cups) + Pendulum Aquacap (4 cups) in 25 gal ATC sprayer	25 gal	
8/12/11	near dusk - after rain	east perimeter	T - 1 hr	herbicide	Ligustrum, Schefflera	15% Garlon 4 Ultra (using cooking oil dilutant) for basal spray - obtained vrom IRC	less than 1 qt	
8/13/11	partly sunny	finish south perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Hel Fire (4 cups) + Finale (4 cups) + Pendulum Aquacap (4 cups) in 25 gal ATC sprayer	25 gal	
8/29/11	partly sunny	west fence line	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Hel Fire (4 cups) + Finale (4 cups) + Pendulum Aquacap (4 cups) in 16 gal hand cart sprayer	16 gal	
8/30/11	cloudy	behind greenhouse + east edge	T - 1 hr	herbicide	cardnoard palms behind greenhouse / Ligustrum, Schefflera, & Shinus from abandoned house on east	15% Garlon 4 Ultra (using cooking oil dilutant) for basal spray - obtained vrom IRC	1 qt	
9/5/11	sunny	west, east, & south perimeter	T - 2 hrs	scout for & treat fire ant mounds	n/a	Extinguish Plus	approx 5 cups	
9/12/11	sunny	entire EEL property	Rebekah Outman - University of Miami - Biology Dept (r.outman@bio.miami.edu) + T - 3 hrs	Bahama ladder brake fern (Pteris bahamensis) research - attempt to determine factors that allow non-native ferns to successfully colonize new habitats in South Florida	research	n/a	n/a	
9/22/11	partly sunny	entire property	T - 6 hrs	herbicide	herbicide	Rely 200 (4 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	50 gal	prep for prescribed burn + Forest Stewardship Landowner of the Year tour in January
9/23/11	sunny	west 10 acres - south perimeter inside fence	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, 1 young Schefflera & 1 young Castorbean	Rely 200 (4 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	25 gal	prep for prescribed burn + Forest Stewardship Landowner of the Year tour in January
9/26/11	cloudy	area to the north of house + between greenhouses & home	T - 1.5 hrs	herbicide	Albizia	15% Garlon 4 Ultra (using cooking oil dilutant) for basal spray - obtained vrom IRC	2 qts	
10/3/11	sunny	area west of EEL fenceline	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Hel Fire (1 cup) + Finale (1 cup) + Roundup PRO (3 cups) in 25 gal ATC sprayer	25 gal	
10/4/11	sunny	around house, pond, firebreaks, & north of greenhouse range	T - 4 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, 1 young Schefflera	Hel Fire (1 cup) + Finale (1 cup) + Roundup PRO (3 cups) in 25 gal ATC sprayer	25 gal	
10/6/11	sunny	east and south perimetyer along fence line	T - 2.5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings	Hel Fire (1 cup) + Finale (1 cup) + Roundup PRO (3 cups) in 25 gal ATC sprayer	25 gal	
10/14/11	sunny	entire EEL property	T - 3 hrs	herbicide	Albizia, Shinus	30% Garlon 4 Ultra (using diesel fuel dilutant) for basal spray	2 quarts spray	
10/21/11	sunny	entire EEL property - concentrating on East 5 acres + SW corner + South + West fence line	T - 9 hrs	herbicide, chain saw work, & loppers	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, Ligustrum (seedlings from East neighbor), Schefflera seedings	Hel Fire (1 cup) + Finale (1 cup) + Roundup PRO (3 cups) in 25 gal ATC sprayer	25 gal	caled Gary Lewis @ FFS - possible prescribed burn in 2 weeks - prep around house by cutting down foliage, bush hog firebreaks, chain saw down large dead oak along west perimeter
10/25/11	sunny	entire EEL property	T & B + Christine Coffin (USDA-NRCS), Laura Knapp (FL Fish and Wildlife Commission), Joy Klein (Permitting, Environment, and Regulatory Affairs - PERA), Mark Torok (FFS - Senior Forester + Forest Stewardship Program), Sarah Martin (IRC), Teresa Olczyk (Univ of FL - Sustainability Planning Economic Enhancement Department - SPEED), & Chris Demers (US Forest Stewardship Coordinator - Univ of FL-IFAS School of Forest Resources and Conservation)	2012 Forest Stewardship Tour Planning Meeting - plan agenda, personnel, documentation, and logistics of Property Tour in January	n/a	n/a	n/a	
11/2/11	sunny	west of fenceline + NW corner by greenhouse + atra north of greenhouse	T 5 hrs	cut & spray stump herbicide + Cobra blade on weed-wacker	Shinus.grape vine, jasmine vine, possum grape vine, thin Mursine clumps, clear brush away from greenouse + structures & fruit trees & propane tank - prep for prescribed burn	30% Garlon 4 + oil	2 qts	
11/3/11	sunny	west of fenceline + NW corner by greenhouse + atra north of greenhouse	T - 7 hrs	cut & spray stump herbicide + Cobra blade on weed-wacker	Shinus.grape vine, jasmine vine, possum grape vine, thin Mursine clumps, clear brush away from greenouse + structures & fruit trees & propane tank - prep for prescribed burn	30% Garlon 4 + oil	3 qts	
11/5/11	sunny	throughout Pineland	T - 6 hrs	cut & spray stump herbicide + Cobra blade on weed-wacker	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings, Ligustrum (seedlings from East neighbor), Schefflera seedings	spray = Hel Fire (3 TBS) + Finale (3 TBS) + Roundup PRO (9 TBS) in 3 gal hand sprayer + 30% Garlon 4 + oil for basal spray	6 gal spray + 2 qts basal spray	
11/8/2011 - 11/27/2011	partly sunny - sunny	throughout pPineland - all the way to The Field eastern edge	T - 144 hrs	cut & spray stump herbicide // hand pull & hand prune dead down // use blower to clear out fine fuels near critical areas // prep land for prescribed burn	prep for prescribed burn - trim saw palmetto & Sabals around structures, spray + basal spray vines (jasmine, Possum Grape, grape vine, thin hold-back vine around greenhouse), etc.	30% Garlon 4 + oil for basal + cut stump spray / HelFire (3 TBS) + Finale (3 TBS) / 3 gallon mix for foliage spray	4 qts Garlon 4 mix + 36 gal Finale mix	
11/23/2011 - 11/26/2011		throughout pineland	T - 16 hrs	repair bird poles using stainless steel blocks, hardware, and wire rope - rent 40' boom	n/a	n/a	n/a	
11/28/11	sunny	throughout Pineland - principally south of the house	T + Mark Torok - Florida Forest Service	collect samples of Imperata braziliensis for DNA comparison w/ Cogongrass - Dr. Millie Burrell - Texas A&M - genetics of cogongrass populations in Florida + the SE US - researching cross pollinating and spread via seed vs rhizomes, and weather Cogongrass is hybridizing w/ Imperata braziliensis	Imperata braziliensis - leaf samples	n/a	n/a	
11/29/2011 - **9th prescribe burn** - cold front on Monday afternoon (11/28/2011) - winds out of the NW - max 11 mph - morning overcast turning to clear in afternoon - 60% RH - start burn ~ 11:00 AM								
11/30/2011 - **9th prescribe burn** - continued burn around greenhouse & on west fence line into The Field								
12/2/11	partly cloudy	concentrating in NE corner	T - 3 hrs / B - 1 hr / Adam & Jose - 3 hrs	post burn - cut & spray herbicide stumps to clear Ardisia monocultures + cut & spray vines	Ardisia, grape vine, possum grape vine, jasmine, oak	Garlon 4 + pine oil dilutant - 1:3	1 gal mix	areas have not burned for many prescribed burns - too solid monoculture - efforts to open up the areas, clear cut brush and cut vines to make it more like open Pine Rockland
12/5/11	partly cloudy	concentrating in NE corner	T - 4 hrs / B - 2 hrs	post burn - cut & spray herbicide stumps to clear Ardisia monocultures + cut & spray vines	Ardisia, grape vine, possum grape vine, jasmine, oak	Garlon 4 + pine oil dilutant - 1:3	1 gal mix	areas have not burned for many prescribed burns - too solid monoculture - efforts to open up the areas, clear cut brush and cut vines to make it more like open Pine Rockland
12/6/11	partly cloudy	concentrating in NE corner	T - 3 hrs / Adam & Jose - 3 hrs	post burn - cut & spray herbicide stumps to clear Ardisia monocultures + cut & spray vines	Ardisia, grape vine, possum grape vine, jasmine, oak	Garlon 4 + pine oil dilutant - 1:3	2 gal mix	areas have not burned for many prescribed burns - too solid monoculture - efforts to open up the areas, clear cut brush and cut vines to make it more like open Pine Rockland
12/8/2011 - 12/10/2011	partly cloudy	east of house patio + by bird pole between house driveway & greenhouse	T + B - 11 hrs	post burn - cut & spray herbicide stumps to clear Ardisia monocultures + cut & spray vines	Ardisia, grape vine, possum grape vine, jasmine, oak	Garlon 4 + pine oil dilutant - 1:3	1 gal mix	areas have not burned for many prescribed burns - too solid monoculture - efforts to open up the areas, clear cut brush and cut vines to make it more like open Pine Rockland
12/12/2011 - 12/15/2011	partly cloudy	east of house patio + by bird pole between house driveway & greenhouse	T - 7 hrs	post burn - cut & spray herbicide stumps to clear Ardisia monocultures + cut & spray vines	Ardisia, grape vine, possum grape vine, jasmine, oak	Garlon 4 + pine oil dilutant - 1:3	0.5 gal mix	areas have not burned for many prescribed burns - too solid monoculture - efforts to open up the areas, clear cut brush and cut vines to make it more like open Pine Rockland
12/17/11	partly cloudy	around house & patio	T - 1 hr	insecticide spray	sprayed foundation of house & patio + walls & surrounding bushes - to kill off Japanese ants and carpenter ants arrtacted to house for nectory plants	Talstar P	40 gal mix = 2 cups	
12/22/11	sunny	N, E, and S perimeter	T - 3 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings - coming up after prescribed burn	Ignite (2 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	25 gal	
12/30/11	sunny + cool	W section by The Field, behind greenhouses, + section between Lychees & greenhouse - N of Main greenhouse	T - 5 hrs	herbicide	exotic grasses, Schinus, Albizia, Neyraudia, exotic vines, Bidens, Jasmine, weed seedlings - coming up after prescribed burn	Ignite (2 cups) in 25 gal ATC sprayer + Hel-Fire (1 cup) surficant	50 gal	
2012								
1/2/12	sunny + cool	section north of house + section south of greenhouses	T - 2 hrs	herbicide	Zamia furfuracea seedlings	Garlon 4 + pine oil dilutant - 1:3	~ 2 qts	
1/21/12		entire property	T & B / 6 hrs	**Forest Stewardship Landowner of the Year For Florida** - tour of property - hosted by Chris Demers (UF/IFAS Forest Stewardship Coordinator), UF/IFAS School of Forest Resources and Conservation, UF/IFAS Miami-Dade County Cooperative Extension Service, USDA Florida Forest Service, Florida Fish and Wildlife Conservation Service, USDA Natural Resource Conservation Service (NRCS), Institute for Regional Conservation (IRC)	n/a	n/a	n/a	