

Interagency Florida Panther Response Team

Annual Report: 2010-2011

(July 1, 2010 – June 30, 2011)



Florida Fish and Wildlife Conservation Commission

U.S. Fish and Wildlife Service

National Park Service

INTRODUCTION

An Interagency Florida Panther Response Team (Response Team) was established by the Florida Fish and Wildlife Conservation Commission (FWC), National Park Service (NPS), and the U.S. Fish and Wildlife Service (FWS) in 2004 to respond to human-panther interactions. The Interagency Florida Panther Response Plan (Response Plan) was developed to provide guidelines for responding to these interactions and conflicts. Also included in the plan is an outreach strategy that provides goals and objectives for educating the public. The Response Plan has been the guiding document for the Response Team since February 2005. An Environmental Assessment for the Response Plan was finalized in October 2008.

The Response Plan requires that the Response Team meet at least once a year to review the past year's activities and suggest revisions to the Response Plan, if needed. The results of the annual meeting are provided in a comprehensive report to the Oversight Committee consisting of the FWS Southeast Regional Director, the FWS Project Leader of the Southwest Florida Gulf Coast Refuges, the NPS Southeast Regional Director, the NPS Superintendent of Everglades National Park (ENP), the NPS Superintendent of Big Cypress National Preserve (BCNP), and the FWC Executive Director. The Oversight Committee will review and approve revisions to the Response Plan, review actions by the Response Team and provide guidance if warranted.

The Annual Interagency Response Team Meeting was held on 20 October, 2011 to review significant human-panther interactions that occurred during the reporting period and discuss/recommend potential Response Plan revisions for the Oversight Committee to consider.

RESPONSE PLAN REVISIONS

No revisions to the response plan were suggested this year.

HUMAN-PANTHER INTERACTIONS AND DEPREDATIONS

The Response Plan identifies five human-panther interaction classifications: Sighting(s), Encounter, Incident, Threat, and Attack. Panther depredation on domestic animals is addressed separately.

Three human-panther interaction types (sighting, encounter, and incident) and panther depredations were reported this fiscal year. There were no verified threats or attacks. Confirmed depredations continue to rise and more than doubled from last fiscal year (Fig. 1). Fewer encounters were confirmed but 2 incidents, previously undocumented, occurred this fiscal year (Fig. 1). An interaction or depredation is considered confirmed when evidence, examined by experienced personnel knowledgeable in interpreting panther sign, supports a panther was involved. Ten human-panther interaction and 42 depredation events were reported (Table 1, App. I). Five human-panther interactions (2 encounters, 2 incidents, 1 sighting) and 29 depredations were confirmed to involve panthers. Three of the depredations involved other predators (2 bobcat, 1 bear). Unconfirmed interactions that were investigated included 3 sightings, 2 encounters, and 10 depredations.

Sightings

A sighting is a visual observation or fleeting glimpse of a panther from a distance. Sightings pose a low risk to human safety but may become important if repeated sightings occur in the same vicinity. Causes for repeated sightings will be investigated to determine if further management actions are warranted. Sightings, by their very nature, cannot be substantiated unless the animal leaves some sort of evidence, such as tracks that can be verified by researchers, or a clear photograph is obtained. Therefore, most sighting reports lead simply to an educational opportunity. The Response Plan is not intended to act as a sightings database but sightings that are confirmed through a field investigation or are otherwise noteworthy may occasionally be reported.

One sighting was confirmed by a FWC panther biologist (Table 1). Two adult panthers were reported in a driveway at a residence in Golden Gate Estates (Table 2, Fig 2). During the investigation, a female panther was heard caterwauling. This location was approximately 275 m from where a depredation occurred the previous night. Cameras placed near the cache site captured a male and female panther visiting the cache. Due to the proximity and timing of these events it is presumed these were the two panthers sighted. Additionally, three sightings were unconfirmed (Table 1).

Encounters

An encounter is an unexpected direct meeting between a human and a panther in which the panther exhibits nonthreatening behavior. Encounters pose a low to moderate range of risk to human safety.

Two interactions were classified as a confirmed panther encounter (Table 1). The first encounter occurred at a guard house in Picayune Strand State Forest where an Everglades restoration project was under way. The panther was first sighted crossing over a canal on a bridge but moments later appeared 10 ft. from the guard house door (Table 2, Fig. 2). The second encounter occurred in Golden Gate Estates as a panther that was chasing after chickens ran past a person (Table 2, Fig. 2). Additionally, one encounter was unconfirmed (Table 1).

Incidents

An incident is an unexpected direct meeting between a human and a panther in which the panther displays potentially threatening behavior. Incidents pose a moderate to high range of risk to human safety.

Two interactions were classified as confirmed panther incidents (Table 1). Natural panther behaviors such as defending kills may be perceived to be threatening by people but this is coincidental to a chance meeting and generally is not indicative of a public safety concern. Both incidents involved this natural prey defense behavior when people unknowingly approached a panther upon a recently killed animal in Golden Gate Estates (Table 2, Fig. 2).

Depredations

A depredation is classified as domestic livestock or pets being preyed upon by a panther. Because depredations do not involve direct contact with humans they pose a low risk to human safety.

Twenty-nine depredation events (some events involved multiple prey animals) were confirmed to be caused by panthers in Collier County (Table 1, Fig. 3). Twenty-six depredations involved hobby livestock (“backyard” animals such as goats, chickens, etc) in Golden Gate Estates and surrounding areas and three depredations involved young calves on commercial cattle ranches (Table 3, Fig. 3). Additionally, ten depredations were unconfirmed due to lack of evidence or delays in reporting and three were caused by other predators (2 bobcat and 1 bear) (Table 1). Goats accounted for the majority of hobby livestock losses due to panthers but sheep, pigs, chickens, a turkey and a donkey were also preyed upon. Because only one panther involved in these depredations was radiocollared and tracks, used to identify sex, were not always present, it is difficult to know the precise number of individual panthers involved in these events. However, based on photographs obtained at depredation sites, sex of individuals involved when able to be determined, and timing and proximity of various locations, it is believed that 8-10 individual panthers were responsible for the 29 depredation events. Several of these events involved a family group, as a unit and after the kittens dispersed, which appeared in Golden Gate Estates in May 2010. They were confirmed to be involved in 11 events and possibly up to 14 but due to overlapping ranges and lack of individually identifiable sign other panthers could not be ruled out in those other 3 cases.

OUTREACH

The Florida Panther Outreach Working Group, comprised of state and federal government agencies and non-government organizations, was created in 2006 to develop and promote various types of outreach materials based on the Response Plan’s Outreach Strategy. Teleconference meetings were held monthly. Two projects are nearing completion and are expected next fiscal year. FWC law enforcement officers desired a handout targeting motorists that are stopped for exceeding speed limits in posted reduced nighttime panther speed zones. The 4 X 9 inch cards will include information on the importance of observing posted speed limits, safety tips for driving through wildlife habitat, and contact information if a road-injured or killed panther is observed. The first annual Florida panther festival is scheduled for 29 October 2011. The Florida panther festival will be held at the North Collier Regional Park in Collier County and will strive to promote the safe coexistence of people, pets, livestock and panthers by fostering community appreciation of the Florida Panther and Florida’s unique ecosystems that serve as panther habitat. Outreach efforts accomplished in the past fiscal year are summarized below.

- The FWC’s Florida panther web site (www.floridapanther.net.org) is regularly updated with information on panther births, mortalities, and pertinent news items.
- The Florida Panther National Wildlife Refuge resumed publication of the *Panther Update* newsletter in February 2011. This monthly newsletter highlights panther research, management, and outreach activities. Newsletters are available on several websites including the Friends of the Panther Refuge website (www.floridapanther.org) and the FWC’s Florida panther web site (www.floridapanther.net.org) among others.
- During the month of March 2011, a variety of state, federal, and environmental organizations celebrated the 6th annual Florida Panther Week at various venues throughout southwest Florida. Over 5,000 people participated in these events. This celebration spanned most of the month of March, starting with the Save the Panther event at Naples Zoo on March 5th, and culminating with Save the Panther Day at Florida Panther NWR on March 19th with a turnout of approximately 200 people.

- On 10 July 2010, Living with Wildlife information packets were distributed door-to-door throughout an area of Golden Gate Estates in Collier County where a number of panther depredations were documented. The goal was to educate residents on living safely in panther country with a focus on proper hobby livestock husbandry practices. Information packets contained Living with Panther and Living with Bear brochures, instructions on two styles of livestock enclosures, permit requirements, information on the Defenders of Wildlife panther booklet, a Friends of the Panther Refuge bookmark, and a “Florida is Panther Country” magnet. Two-thousand packets were distributed by 40 volunteers from a number of affiliations (FWC, FPNWR, USFWS Vero Beach Field Office, NPS, Defenders of Wildlife, Collier County Sheriff’s Office, Conservancy of Southwest Florida, Florida Wildlife Federation, Naples Zoo, Friends of the Florida Panther Refuge, neighborhood volunteers, and others).
- A Spanish translation for the *A Guide to Living with Florida Panthers* brochure was completed and made available for distribution.
- FWC panther biologist staff gave presentations highlighting panther research and conservation efforts to local groups of the Audubon Society and the Alzheimer’s Support Network and at events such as FWC’s Marine Quest in St. Petersburg, FL.
- The Florida Panther National Wildlife Refuge biologist gave several presentations to approximately 150 people at the Naples Zoo, Collier County Parks, and on the Florida Panther National Wildlife Refuge about the Florida panther.
- Big Cypress National Preserve interpretive rangers presented their panther program for 13 participants at the Naples Preserve (county park/green space) and 22 participants at the Collier County Agricultural Extension 4-H camp. This program focuses on panther biology particularly as it relates to Big Cypress National Preserve.
- Defenders of Wildlife presented information on living responsibly with panthers and bears and the importance of appropriate hobby livestock protection to the Golden Gate Estates Area Civic Association meeting on 16 February 2011. A FWC panther biologist was also on hand to help field questions from the 60 people in attendance.
- LAMAR Advertising donated digital billboard space to help with panther recovery efforts. The outreach team collaborated with the advertising firm on message content and graphic layout for the billboard. The sign, located in Lee County on US 41 just south of Alico Rd., features a panther crossing a road in the Okaloacoochee Slough State Forest and urges motorists to drive cautiously in panther habitat. The message is expected to reach 50,000 motorists per day.
- Big Cypress National Preserves’ environmental education program, SWAMP (Swamp Water And Me Program), is a hands-on, curriculum based program provided to the 6th grade public and private schools in Collier County. Students are first visited by a ranger in the schools then take a field trip to Big Cypress National Preserve where they develop an appreciation and awareness for Florida panthers and the habitat they depend on. This year 222 programs were conducted reaching 6,289 participants (children and parents).
- Florida Gulf Coast University’s “Wings of Hope” is an environmental education program and is an integral part of the environmental humanities curriculum at FGCU. University students then share their knowledge with 3rd - 5th grade students, the “Florida Panther Posse,” throughout

Collier and Lee Counties. Through the Florida Panther Posse, elementary students develop reading, writing, science, geography, math, and research skills while working through “challenges” focused on Florida panther life history information and water conservation issues. The program reaches over 450 university students and 4000 elementary students yearly. Additionally, elementary students educate at least two other people about panthers and their habitat spreading awareness to an additional 8000 people per year.

OTHER ACTIVITIES

Florida panther depredation management issues are also being studied and mitigated by other facets of the agencies and partners. Although not technically a Response Team activity, it seemed prudent to mention these activities.

In late 2010, FWC received reports of panthers killing calves on some commercial cattle ranches in Collier and Hendry counties. As previously stated, three calf depredations were verified by Response Team/FWC staff. Ranchers believe that many more calves may have actually been killed by panthers. Husbandry techniques that are effective for backyard hobby livestock, such as securing livestock at night in a barn, are not practical for large scale ranches. Cattle ranches often encompass thousands of acres and can provide abundant prey and ample cover for panthers. Keeping these privately owned lands as active cattle ranches and managing those lands in ways that benefits wildlife (including panthers) is vital to the long term survival of the panther. In order to address landowner concerns, a small working group was created. This group consisted of ranch owners, the President of the Florida Cattlemen's Association, the Department of Agriculture and Consumer Services, Defenders of Wildlife, the USFWS, and FWC. FWC has worked closely with these partners on this issue. The group explored the idea of creating a fund that would compensate cattle ranchers for losses of calves from panthers. In the spring of 2011, two research projects were developed and necessary funding was secured. The University of Florida's Institute of Food and Agriculture Sciences will direct a study to investigate survival of calves on two ranches on which panther use has been documented. The FWC will initiate a study of panther prey selection patterns on and adjacent to private ranch lands. Both studies will be initiated in FY 2011-12.

The Conservancy of Southwest Florida launched two one-year pilot compensation programs in June 2011. The Free-Ranging Cattle Compensation Program is designed to help compensate small farm operations that have suffered documented calf losses to panthers. The Pen Building Assistance Program provides compensation funds to assist landowners who wish to build a predator resistant pen to protect their livestock and pets from potential loss by panthers. More details about these programs can be found by visiting www.conservancy.org/pilot.

SUMMARY

Confirmed hobby livestock depredations more than doubled compared to last fiscal year. Reasons for this increase may be attributed to a combination of better reporting by a more informed public due to our outreach efforts or more panthers using portions of Golden Gate Estates as part of their home range. There were fewer confirmed encounters documented this year. Two incidents occurred that involved panthers defending a prey item after a chance encounter with a person.

Much of the panther activity this fiscal year can be attributed to a family group that was first documented in the Golden Gate Estates area on 4 May 2010. They were confirmed to be involved in 11 of the 29

depredations and one of the incidents during this reporting period. These panthers were not radiocollared and genetic analysis to verify their relationship is still pending but it is believed that this family group originally included a mother and four kittens. The family unit apparently disbanded by late November 2010 as indicated by photographs of grown kittens (subadults), without their mother, at a depredation site on 20 and 22 November 2010 in the general area where they had been previously documented with their mother. Two of the suspected offspring, UCFP142 and UCFP149, were killed by vehicles on Golden Gate Blvd. between 5th and 7th Streets NW on 4 May and 13 December 2010 respectively. UCFP149 tested positive for feline leukemia virus (FeLV) which was likely contracted by eating a FeLV positive house cat. A panther, possibly the mother, was intentionally and illegally killed in late February 2011. One female, possibly one of the offspring, still inhabits portions of Golden Gate Estates and the fate of the remaining kitten is unknown.

Panthers inhabiting portions of Golden Gate Estates have been documented for several years now and their presence should be expected. As interactions and depredations continue, education, especially as it relates to effective animal husbandry techniques, is important to protect animals and promote human safety. More importantly, perhaps, is for residents to consistently implement these recommendations in order to prevent depredations in the future. These preventative measures will result in fewer depredation issues by reducing the negative interactions between people, pets and panthers.

Table 1. Summary of interactions investigated during fiscal year 1 July 2010 - 30 June 2011.

Interaction Classification	Confirmed	Unconfirmed	Other^a	<i>Total</i>
Depredation	29	10	3	42
Sighting	1	3	0	4
Encounter	2	2	0	4
Incident	2	0	0	2
Threat	0	0	0	0
<i>Total</i>	34	15	3	52

a. Other depredations include 2 caused by bobcat and 1 caused by bear.

Table 2. Confirmed human-panther interactions investigated during fiscal year 1 July 2010 – 30 June 2011. All interactions occurred in Collier County, Florida. Corresponding event # locations represented in figure 2.

Event Number	Interaction Date	Location / Address	City / Area	Interaction Type	Comments
1	8/24/2010	PSSF guardhouse @ 52nd/canal	Naples / PSSF	Encounter	Uncollared female confirmed by tracks. First observed crossing bridge. Minutes later appeared 10 feet from guard house.
2	10/4/2010	240 9th St NW	Naples / GGE	Incident	Uncollared female w/ 2 kittens captured on remote camera. Panther growled at person in defense of prey item (chicken). Specific individual unknown. Also involved in <i>depredation</i> .
3	11/28/2010	1296 Keri Island Rd	Naples / GGE	Incident	Uncollared. Panther growled at person in defense of prey (sheep). Also involved in <i>depredation</i> . Male and female captured on remote camera at cache site.
4	11/29/2010	1420 Keri Island Rd	Naples / GGE	Sighting	Uncollared male and female. Report of 2 panthers in driveway. Investigating biologist heard female caterwauling. Same individuals captured on camera at depredation investigation at nearby property (see above and Table 3).
5	3/27/2011	250 15th St NW	Naples / GGE	Encounter	Uncollared. Panther ran past person while chasing chickens. Person clapped hands and panther ran away. Panther hair found on fence where panther reportedly jumped between strands of barbed wire.

GGE = Golden Gate Estates, PSSF = Picayune Strand State Forest

Table 3. Confirmed panther depredations investigated during fiscal year 1 July 2010 - 30 June 2011. All events occurred in Collier County, Florida. Corresponding event # locations represented in figure 3.

Event Number	Interaction Date	Address	City / Area ^a	Animals Depredated	Comments
1	7/9/2010	1840 Blue Sage Rd	Naples / NBM	Goat	Uncollared male. 3 goats attacked; 2 fatal, 1 injured. Evidence: tracks, photos. Repeat location; enclosure not used.
2	7/10/2010	225 17th St SW	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat fatal. Evidence: feeding method, hair from bed site. Repeat location; no enclosure.
3	7/31/2010	1380 Massey St	Naples / GGE	Goat	Uncollared female. 2 goats fatal. Evidence: tracks, feeding method.
4	8/15/2010	275 Morgan Rd	Naples / SBM	Donkey	Uncollared male. 1 donkey fatal. Evidence: tracks, feeding method. Repeat location; no enclosure.
5	9/11/2010	1470 Rock Rd	Naples / GGE	Goat	Uncollared female. 3 goats attacked over 3 days; 1 fatal, 2 injured. All occurred during daylight hours. Goats in secure enclosure at night. Evidence: tracks, feeding method.
6	10/2/2010	7007 SR29	Immokalee / Sunniland	Cow	Uncollared male. 1-day-old, ~20 lb calf fatal. Ranch hand observed attack, drove panther away, left injured calf overnight. Calf gone next morning. Small commercial operation. Evidence: tracks.
7	10/4/2010	240 9th St NW	Naples / GGE	Goat, turkey, chickens	Uncollared female w/2 kittens. Also involved in <i>incident</i> while defending prey item (chicken, specific individual unknown). 1 goat, 1 turkey, 5 chickens all fatal. Evidence: remote camera photos, tracks, feeding method, hair.
8	10/15/2010	7695 Oil Well Park Rd	Immokalee / Sunniland	Cow	Uncollared, sex undetermined. 3-wk-old calf injured, later euthanized. Evidence: attack method/canine puncture size, spacing. Commercial ranch.
9	10/25/2010	7007 SR29	Immokalee / Sunniland	Cow	Uncollared male. 1 calf fatal. Evidence: tracks, feeding method. Commercial ranch.
10	11/11/2010	294 15th St NW	Naples / GGE	Goat, sheep	Uncollared male. 2 goats, 1 sheep fatal. Evidence: tracks, scat, feeding method.
11	11/15/2010	171 4th St NE	Naples / GGE	Goat	Uncollared male. 2 goats fatal. Evidence: tracks, feeding method.
12	11/20/2010	441 6th St SE	Naples / GGE	Goat	Uncollared male. 2 goats, 1 chicken fatal. Evidence: tracks.

Event Number	Interaction Date	Address	City / Area ^a	Animals Depredated	Comments
13	11/22/2010	441 6th St SE	Naples / GGE	Goat	Uncollared male and female. 2 goats fatal. Evidence: tracks, photos, hair. Captured 2 panthers on cameras. Appears to be male and female siblings from "Estates family group", approx 14-mo-old. May have dispersed. Repeat location; no enclosure.
14	11/28/2010	1296 Keri Island Rd	Naples / GGE	Sheep	Uncollared male. 1 sheep fatal. Evidence: photos. Captured male and female on camera returning to cache. Sheep reportedly broke out of pen in panic when panther jumped on roof pen roof. Also involved <i>incident</i> while defending prey item.
15	12/4/2010	275 4th St SE	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat fatal. Evidence: feeding method, hair.
16	12/13/2010	275 4th St SE	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat 2-days-old fatal. Repeat location; no enclosure.
17	12/15/2010	250 15th St NW	Naples / GGE	Pig	Uncollared male. 1 pig fatal. Evidence: tracks, feeding method.
18	12/15/2010	225 17th St SW	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat fatal. Evidence: feeding method. Repeat location; no enclosure.
19	12/15/2010	161 13th St SW	Naples / GGE	Goat	Uncollared female. 1 goat fatal. Evidence: tracks, feeding method. Owner observed panther dragging goat away at 4:00 PM, yelled, panther dropped goat and left area.
20	12/19/2010	2260 28th Ave SE	Naples / GGE	Goat	Male FP156 nearby. 4 goats fatal. Evidence: tracks.
21	1/8/2011	240 9th St NW	Naples / GGE	Goat, chicken	Uncollared, sex undetermined. 2 goats, 1 chicken fatal. Evidence: feeding method, scat. Repeat location; no enclosure. Owner extended portion of fence upwards.
22	1/13/2011	1380 Massey St	Naples / GGE	Goat	Uncollared female. 1 goat fatal. Evidence: tracks, feeding method. Repeat location; enclosure not used.
23	2/8/2011	4059 Sea Oat Ln	Naples / E Naples	Cat	Uncollared male. House cat injured. Evidence: biologist observation. Panther observed by D. Onorato while searching for cat.
24	3/14/2011	1470 Rock Rd	Naples / GGE	Goat	Uncollared female. 1 goat fatal. Evidence: tracks, feeding method, photo. Repeat location; goats in enclosure at night.
25	3/28/2011	4645 47th Ave NE	Naples / GGE	Sheep	Uncollared female. 1 sheep fatal. Evidence: tracks.

Event Number	Interaction Date	Address	City / Area^a	Animals Depredated	Comments
26	3/29/2011	4686 6th Ave SE	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat fatal. Evidence: feeding method. Owner left dead goat in pen overnight, observed panther dragging it away next day. Additionally, domestic cat hair on property indicated a panther fed on a domestic cat (hair remains displayed distinctive characteristics indicating panther feeding behavior).
27	4/2/2011	3380 6th Ave SE	Naples / GGE	Goat	Uncollared male. 3 goats fatal. Evidence: tracks, feeding method.
28	5/25/2011	1470 Rock Rd	Naples / GGE	Goat	Uncollared, sex undetermined. 1 goat fatal. Evidence: hair collected from where panther climbed through 2 strands of barbed wire. Repeat location; goats in enclosure at night.
29	6/5/2011	2825 Jenkins Way	Naples / NBM	Goat, pig	Uncollared male. 8 goats, 1 pot bellied pig fatal. Only found 7 goats. Evidence; tracks, feeding method. Repeat location; no enclosure.

a. GGE = Golden Gate Estates, NBM = North Belle Meade, SBM = South Belle Meade

Figure 1. Number of confirmed human-panther conflicts by fiscal year.

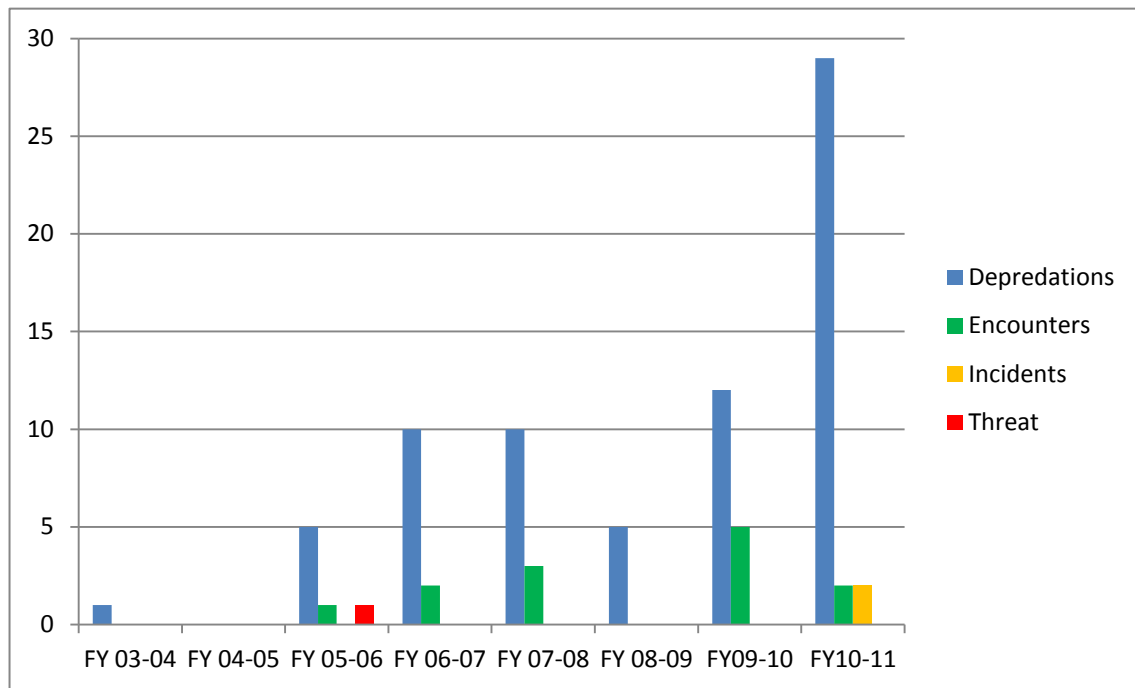


Figure 2. Confirmed panther interactions in Collier County, Florida during fiscal year 2010-2011.

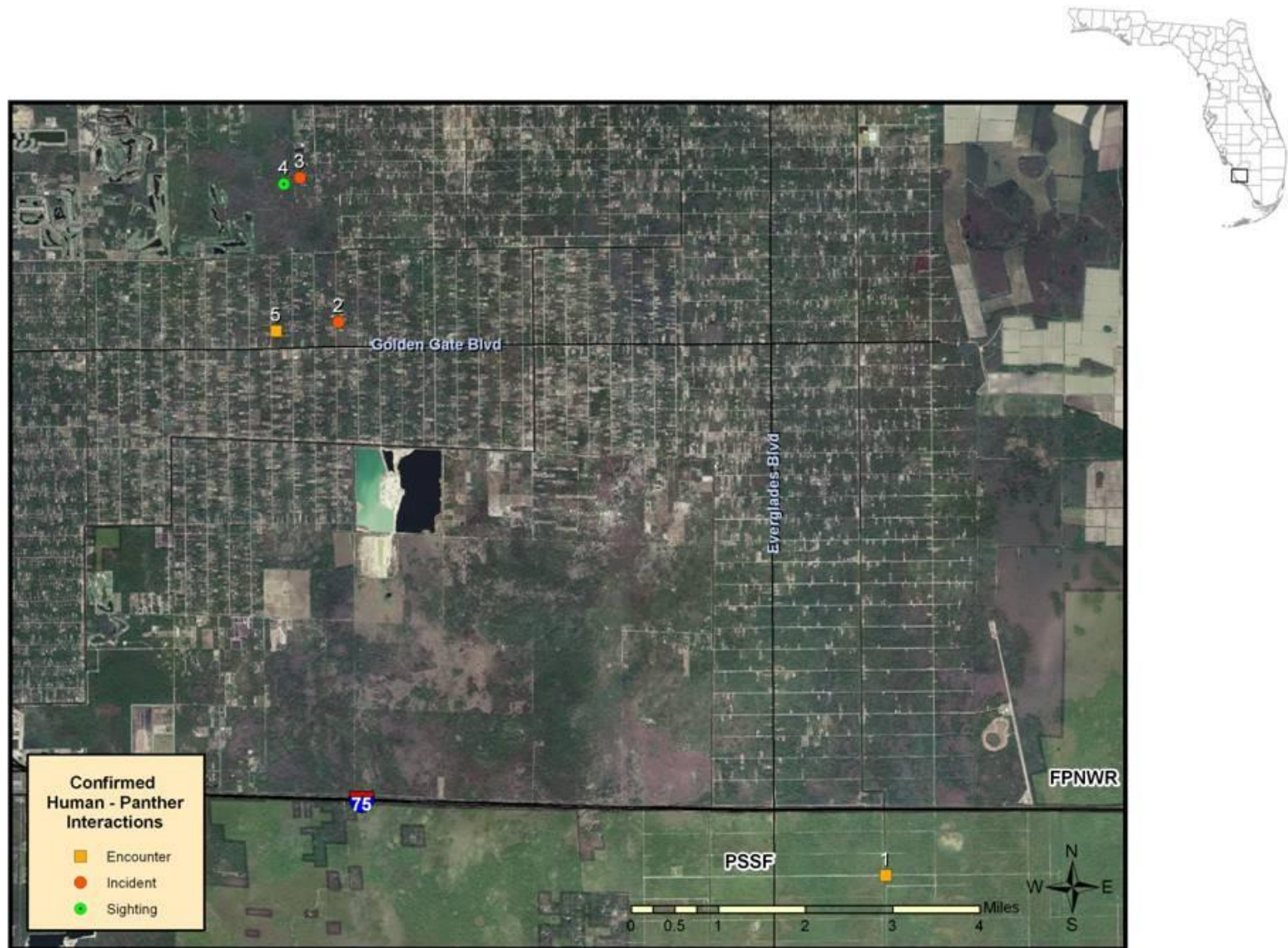
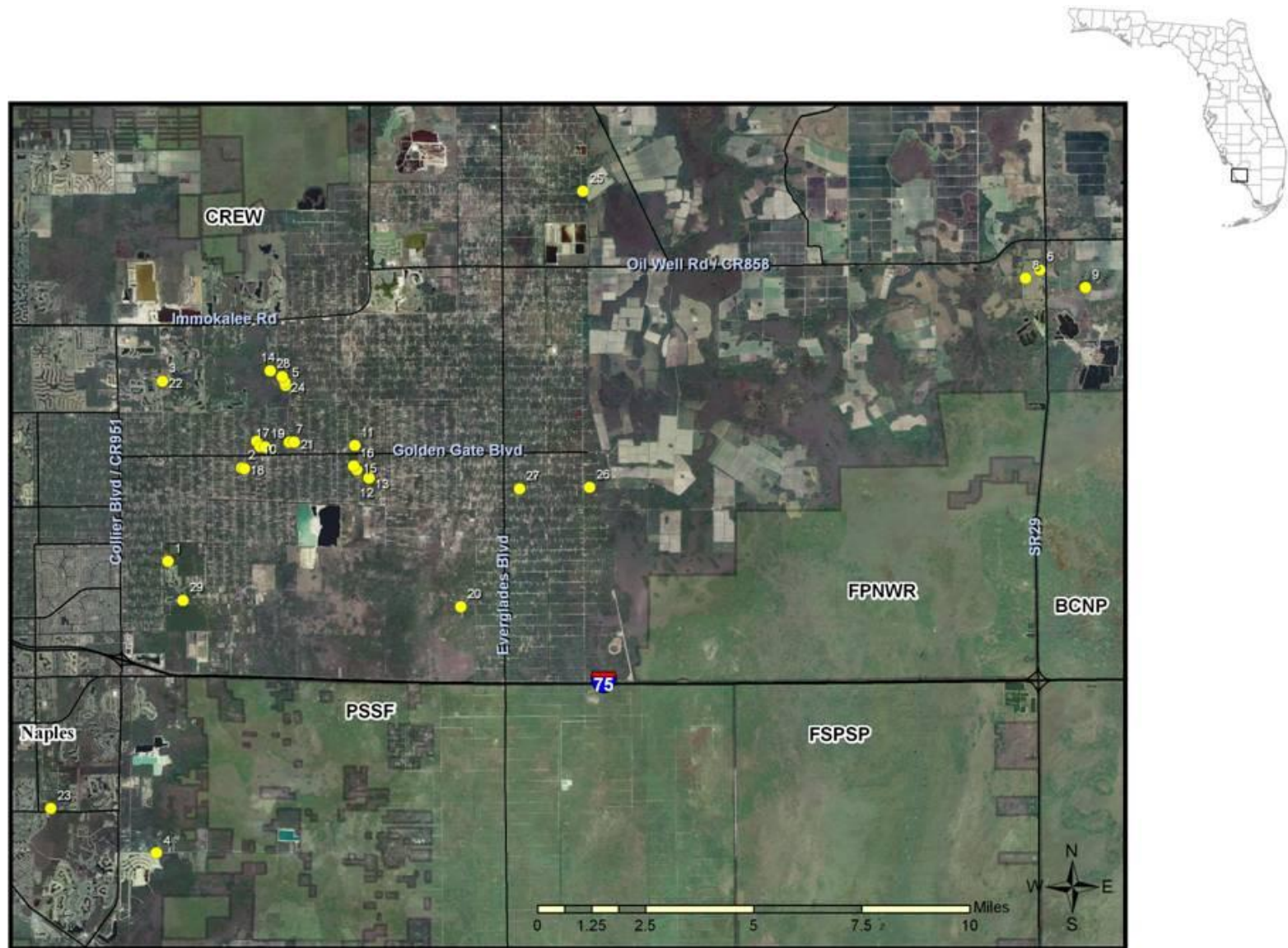


Figure 3. Confirmed panther depreddations in Collier County, Florida during fiscal year 2010-2011.



Appendix I. List of depredations and human-panther interactions received by the Florida Panther Response Team during fiscal year 1 July 2010 – 30 June 2011.

Interaction Date	Location Address	City	County	Interaction Type	Animals Depredated	Confirmed Predator
7/9/2010	1840 Blue Sage Rd	Naples	Collier	Depredation	Goat	Panther
7/10/2010	5631 Standing Oaks Ln	Naples	Collier	Encounter	NA	Unconfirmed
7/10/2010	225 17th St SW	Naples	Collier	Depredation	Goat	Panther
7/24/2010	7900 NW 82 Terr	Parkland	Broward	Depredation	Horse	Unconfirmed
7/31/2010	1380 Massey St	Naples	Collier	Depredation	Goat	Panther
8/15/2010	275 Morgan Rd	Naples	Collier	Depredation	Donkey	Panther
8/24/2010	PSSF guardhouse @ 52nd/canal	Naples	Collier	Encounter	NA	Panther
9/11/2010	1470 Rock Rd	Naples	Collier	Depredation	Goat	Panther
9/20/2010	1425 Limpkin Rd	Naples	Collier	Depredation	Goat, rabbit, calf	Unconfirmed
9/21/2010	881 Wilson Blvd	Naples	Collier	Depredation	Goat	Unconfirmed
9/21/2010	2475 10th Ave NE	Naples	Collier	Sighting	NA	Unconfirmed
9/30/2010	1421 Shady Ln	Naples	Collier	Depredation	Cat	Unconfirmed
10/2/2010	7007 SR29	Immokalee	Collier	Depredation	Cow	Panther
10/4/2010	240 9th St NW	Naples	Collier	Incident	NA	Panther
10/4/2010	240 9th St NW	Naples	Collier	Depredation	Goat, turkey, chickens	Panther
10/15/2010	7695 Oil Well Park Rd	Immokalee	Collier	Depredation	Cow	Panther

Interaction Date	Location Address	City	County	Interaction Type	Animals Depredated	Confirmed Predator
10/25/2010	7007 SR29	Immokalee	Collier	Depredation	Cow	Panther
11/11/2010	294 15th St NW	Naples	Collier	Depredation	Goat, sheep	Panther
11/15/2010	171 4th St NE	Naples	Collier	Depredation	Goat	Panther
11/16/2010	191 4th St NE	Naples	Collier	Sighting	NA	Unconfirmed
11/20/2010	441 6th St SE	Naples	Collier	Depredation	Goat	Panther
11/22/2010	441 6th St SE	Naples	Collier	Depredation	Goat	Panther
11/28/2010	1296 Keri Island Rd	Naples	Collier	Depredation	Sheep	Panther
11/28/2010	1296 Keri Island Rd	Naples	Collier	Incident	NA	Panther
11/29/2010	1420 Keri Island Rd	Naples	Collier	Sighting	NA	Panther
12/4/2010	275 4th St SE	Naples	Collier	Depredation	Goat	Panther
12/13/2010	275 4th St SE	Naples	Collier	Depredation	Goat	Panther
12/14/2010	290 4th St SE	Naples	Collier	Depredation	Goat	Unconfirmed
12/15/2010	250 15th St NW	Naples	Collier	Depredation	Pig	Panther
12/15/2010	225 17th St SW	Naples	Collier	Depredation	Goat	Panther
12/15/2010	161 13th St SW	Naples	Collier	Depredation	Goat	Panther
12/19/2010	2260 28th Ave SE	Naples	Collier	Depredation	Goat	Panther (FP156)
12/27/2010	6454 SW Woodham St	Palm City	Martin	Depredation	Goat	Bobcat
1/8/2011	240 9th St NW	Naples	Collier	Depredation	Goat, chicken	Panther
1/13/2011	1380 Massey St	Naples	Collier	Depredation	Goat	Panther

Interaction Date	Location Address	City	County	Interaction Type	Animals Depredated	Confirmed Predator
1/14/2011	1761 Rock Rd	Naples	Collier	Depredation	Dog	Unconfirmed
1/19/2011	5352 SW Ranchito St	Palm City	Martin	Depredation	Duck	Unconfirmed
2/8/2011	4059 Sea Oat Ln	Naples	Collier	Depredation	Cat	Panther
3/14/2011	1470 Rock Rd	Naples	Collier	Depredation	Goat	Panther
3/27/2011	250 15th St NW	Naples	Collier	Encounter	NA	Panther
3/27/2011	250 15th St NW	Naples	Collier	Depredation	Duck	Unconfirmed
3/28/2011	4645 47th Ave NE	Naples	Collier	Depredation	Sheep	Panther
3/29/2011	4686 6th Ave SE	Naples	Collier	Depredation	Goat	Panther
4/2/2011	BCNP, Bear Island		Collier	Threat	NA	Unconfirmed
4/2/2011	3380 6th Ave SE	Naples	Collier	Depredation	Goat	Panther
4/5/2011	Everglades Blvd/6th Ave SE	Naples	Collier	Sighting	NA	Unconfirmed
4/8/2011	360 22nd Ave NE	Naples	Collier	Depredation	Goat	Unconfirmed
4/20/2011	1180 Ivey Way	Naples	Collier	Depredation	Dog	Unconfirmed
5/24/2011	1020 10th Ave NE	Naples	Collier	Depredation	Goat	Bobcat
5/25/2011	1470 Rock Rd	Naples	Collier	Depredation	Goat	Panther
6/1/2011	14600 Fritchey Rd	Naples	Collier	Depredation	Chicken	Bear
6/5/2011	2825 Jenkins Way	Naples	Collier	Depredation	Goat, pig	Panther

Appendix II. Photographic evidence from select depredation events.



Photo 1. Male panther at depredation site on Blue Sage Rd. in south Belle Meade. Depredation event #1.



Photo 2 Composite photograph of family group involved in depredation and incident on 9th St NW in Golden Gate Estates. Interaction event #2, depredation event #7.



Photo 3. Recently dispersed subadult siblings at depredation site on 6th St. SE in Golden Gate Estates. Depredation event #'s 12, 13.



Photo 4. Female visiting cache site on Keri Island Rd. in Golden Gate Estates. Depredation event #14. A male was also photographed at this site and is the suspected depredator. This pair is presumed to be the ones observed and heard in interaction event #4.