

Annual Report on the Research and Management of Florida Panthers: 2015-2016



Florida Fish and Wildlife Conservation Commission

29 September 2016

FWC Contributors and Contact Information:

The compilation of this report was the result of the combined efforts of multiple FWC staff members currently working on the Florida Panther Project in order to meet the reporting requirements of the U.S. Fish and Wildlife Service pursuant to Endangered Species Collection Permit TE051553-5. Further analyses of these data will be conducted and results published in the scientific literature by the FWC and collaborators. Persons interested in obtaining the most current data should contact the FWC at:

Florida Fish and Wildlife Conservation Commission
298 Sabal Palm Road
Naples, Florida 34114 USA
(239) 417-6352

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Citation:

Florida Fish and Wildlife Conservation Commission. 2016. Annual report on the research and management of Florida panthers: 2015-2016. Fish and Wildlife Research Institute & Division of Habitat and Species Conservation, Naples, Florida, USA.

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Executive Summary

This report, prepared by the Florida Fish and Wildlife Conservation Commission (FWC), highlights information collected on the Florida panther (*Puma concolor coryi*) during fiscal year 1 July 2015 through 30 June 2016. In some cases, data (e.g., diagnostic or genetic test results) are presented from samples collected in prior fiscal years due to lag times involved with processing. Historic data are included as appendices. Panther research and management is a cooperative effort. We acknowledge the involvement of other agencies, including the U.S. Fish and Wildlife Service (USFWS) and particularly Big Cypress National Preserve (BCNP) and Everglades National Park (EVER) of the National Park Service (NPS). BCNP and EVER have located radiocollared panthers by plane within their respective park boundaries and resulting data have been incorporated into a telemetry database and are used with permission in this report. However, no panthers were equipped with radiocollars during the reporting period in EVER. Population status within EVER was monitored by trail cameras during the fiscal year. Beginning in 2003, BCNP was permitted by the USFWS and FWC to conduct panther capture activities. These activities have been occurring within BCNP boundaries south of I-75. BCNP assembled their own capture team and have captured previously uncollared panthers, replaced radiocollars due to expected battery failure, marked neonatal kittens at den sites, and recovered carcasses. While some data (e.g., biomedical, demographic) of panthers handled by BCNP are contained herein for completeness of datasets, more specific information may be found in the BCNP annual report compiled by BCNP staff.

During 10 field days, FWC staff captured 2 previously uncollared Florida panthers. In addition, aging or failed radiocollars were replaced on 2 Florida panthers. A major rain event in mid-January 2016 resulted in the cancellation of the remainder of the capture season due to extremely high groundwater levels that resulted in an unsafe capture environment for panthers and staff. Telemetry data were collected on 28 radiocollared Florida panthers in southern Florida during the reporting period by FWC and BCNP staff. Seven panther dens were sampled by FWC and BCNP staff during the reporting period resulting in the documentation of 15 (7♂, 8♀) neonate kittens. Kittens handled at their natal dens were

permanently marked with subcutaneous transponder chips and tissue samples were collected for genetic analyses. Three panthers needing immediate management action (UCFP253♀, UCFP261♂, and FP243♂) were captured outside the normal capture season. One of these panthers (FP243) was subsequently released back into the wild on 25 May 2016 in southern BCNP. A total of 243 panthers have been captured since 1981 and 462 neonate kittens have been handled at dens since 1992.

Forty-eight free-ranging panther deaths were documented during the reporting period including: 6 female radiocollared panthers and 42 (27♂, 12♀, 3 unknown sex) uncollared panthers. Causes of mortality included 38 by vehicular trauma (23♂, 14♀, and 1 unknown sex), six from unknown causes (2♂, 2♀, 2 unknown sex), three from intraspecific aggression (1♂, 2♀), and one via starvation after orphaning (♂). Significant biomedical findings in necropsied panthers included two (one roadkill and one unknown cause of death) that were positive for feline leukemia virus (FeLV). Significant congenital defects seen at necropsy this FY included five (12% of those suitable for exam at necropsy) atrial septal defects and one (5% of males suitable for exam at necropsy) male who was bilaterally cryptorchid. One additional 4 mo. old panther had testes just outside of the scrotum but was not considered cryptorchid due to his age. In addition to these mortalities, biologists permanently removed two panther kittens (UCFP253♀, UCFP261♂) from the wild after they were orphaned. Both UCFP253 and UCFP261 are now in permanent captivity at the Palm Beach Zoo and Homosassa Springs Wildlife State Park, respectively.

Panthers were confirmed to be involved in 23 depredation events. Animals killed or injured by panthers included goats (17), calves (12), sheep (11), dogs (2), and a duck (1). A human-panther interaction is classified as an encounter when an unexpected direct meeting or series of meetings over a short period of time between a human and a panther has occurred. Three panther encounters were confirmed by the Interagency Florida Panther Response Team.

Introduction

The Florida panther historically ranged throughout most of the southeastern United States from western Louisiana to the swamps of South Florida (Young and Goldman 1946; Onorato et al. 2010). Loss and fragmentation of wilderness and unregulated killing in the southeastern United States over the past two centuries reduced panthers to the point where only one population persisted at the tip of peninsular Florida by the mid-1900s (Onorato et al. 2010). Florida panthers were listed as endangered in 1967 by the Federal Government on the inaugural list of endangered plants and animals published in the Federal Register ([Federal Register 1967](#)). Subsequently, Florida panthers were afforded protection under the U.S. Endangered Species Act (Public Law No. 93-205) in 1973. Today, Florida panthers persist on approximately 5,579 km² (1.4 million acres) of remnant habitat in south Florida — < 5% of their historic range — and are endangered by a combination of small population size, isolation, and loss of habitat (Frakes et al. 2015; USFWS 2008a). Small population size and geographic isolation increase the chance for extinction of Florida panthers due to demographic instability inherent in small numbers and erosion of genetic diversity from restricted gene flow and inbreeding.

Natural exchange of genetic material occurred historically among the Florida panther population in the southeastern United States and contiguous populations of *P. c. cougar* to the north, *P. c. hippolestes* to the northwest, and *P. c. stanleyana* to the west (Young and Goldman 1946). Genetic exchange between Florida panthers and other populations ceased as the Southeast was settled. Florida panthers steadily declined in abundance and distribution (Alvarez 1993), likely a result of persecution and habitat loss (but see Alvarez 1993, pp. 35-61, for competing theories on the decline of panthers). Gene flow is reliant upon individuals that immigrate and breed, but habitat fragmentation generally disrupts dispersal. Dispersal and immigration serve as a natural mechanism for mixing the gene pool and help minimize inbreeding within populations. Elevated levels of inbreeding can result in inbreeding depression, which can have varied implications for populations including: loss of genetic variation,

declining health, reduced survivability, decreased fecundity, and an increased risk of extinction (Laikre et al. 1996, Crnokrak and Roff 1999, Frankham et al. 2002).

It was exactly such a scenario that was playing out in south Florida in the late 1980s and early 1990s. Inbreeding depression, habitat loss, and isolation had taken their toll on the remaining population of panthers. The complex interplay of social, demographic, genetic, and health factors dictated that a timely and aggressive program be implemented to address the multitude of problems faced by the 20-30 Florida panthers that persisted into the early 1990s (McBride et al. 2008; Onorato et al. 2010). A plan for genetic restoration and management of the Florida panther was developed in September 1994 (Seal 1994; Johnson et al. 2010) and implemented in 1995 with the release of 8 female pumas initially captured in West Texas. Five of the 8 Texas pumas produced litters with resident male Florida panthers and a minimum of 20 F₁ kittens were born in Florida as a result (Land et al. 2004; Johnson et al. 2010). None of the released Texas females remain in the wild today.

Assessment of the genetic restoration project has shown that this management program was successful and had a positive impact on the Florida panther population. Genetic variation has doubled, survival and fitness measures have improved, and physical correlates of inbreeding have declined significantly (Johnson et al. 2010; Hostetler et al. 2010). Subsequent to genetic restoration, the panther population has increased in size from the 20-30 individuals that remained in the early 1990s (McBride et al. 2008). Using a combination of density estimates and estimates of available habitat in south Florida, the FWC has quantified the current panther population size (inclusive of independent aged panthers [i.e., adults and subadults]) to be within the range of 100-180 individuals ([FWC Statement on Estimating Panther Population Size](#)). Knowledge gained from the genetic restoration project will undoubtedly influence future management strategies for panthers and may have far reaching implications to varied conservation projects worldwide.

FWC's current panther research and management priorities include, but are not limited to: monitoring genetic variation and correlates of inbreeding, assessing the presence and impacts of diseases and parasites, re-evaluating panther home range estimates using novel analytical techniques; delineating

statistically robust methods to estimate the panther population size; evaluating the utility of new GPS collar technology; assisting with the development of new panther recovery criteria with USFWS, minimizing loss of existing panther habitat; addressing human-caused and other mortality factors; and reducing human-panther conflicts.

Our overall research goal is to complement historical data sets with ongoing, objective driven research to provide the information necessary to manage and conserve panthers. The melding of information on demographics, genetics, biomedical, and land management challenges has ultimately assisted in the implementation of effective management plans that have promoted the long-term survival and recovery of the panther in Florida.

Acknowledgements



FWC's panther research and management activities are funded almost entirely by the Florida Panther Research and Management Trust Fund (FPRMTF). This trust fund is supported principally by the sale of [Florida panther license plates](#). The FWC panther research and management group would like to thank the citizens of Florida that continue to support our efforts to conserve and manage panthers via contributions to this fund. Specifics concerning the current financial status of the FPRMTF can be found at the end of this annual report.

We would like to acknowledge the following individuals and agencies for their assistance provided to this project: Roy McBride, Cougar McBride (Livestock Protection Company); Drs. Lizzy Arnett-Chin (Naples Zoo), Ray Ball (Lowry Park Zoo), Emmett Blankenship, Kevin Castle, Erin Myers (USFWS) for veterinary assistance; David Shindle (USFWS) for assistance on varied aspects of panther fieldwork and research collaborations; and Kelsey Hoagland. We would also like to extend our

appreciation to the staffs at BCNP, Big Cypress Seminole Indian Reservation (BCSIR), Collier Seminole State Park (CSSP), Corkscrew Regional Ecosystem Watershed (CREW), Corkscrew Swamp Sanctuary (CSS), EVER, Florida Panther National Wildlife Refuge (FPNWR), Fakahatchee Strand Preserve State Park (FSPSP), Lee County Port Authority (LCPA), Picayune Strand State Forest (PSSF), and Okaloacoochee Slough State Forest (OSSF) for their continued cooperation and support of our research and management efforts. We thank Dr. Michael Warren (CA Pound Laboratory) for the forensic examination of panther skeletal remains, the Southeastern Cooperative Wildlife Disease Study (SCWDS) for identification of ticks removed from Florida panthers, and Mike Kinsella for the identification of helminths recovered at necropsy. White Oak (WO; Yulee, Florida) continues to play a vital role in the care and rehabilitation of panthers for release back into the wild. Finally, we are deeply appreciative of the many folks involved in the efforts to save and care for injured or orphaned panthers, including staff from Animal Specialty Hospital (Naples, Florida), the Conservancy of Southwest Florida (Naples, Florida), Lowry Park Zoo (Tampa, Florida), Naples Zoo (Naples, Florida), Ellie Schiller Homosassa Springs Wildlife State Park (Homosassa, Florida) and USFWS.

Study Area

The study area encompassed most of interior southern Florida south of Orlando and extended to southern EVER. The area included large blocks of low-lying public lands such as CREW, EVER, BCNP, FSPSP, PSSF, and the FPNWR. Significant private lands, primarily used for cattle and crop production, lie on higher terrain to the north of public lands and are important habitat for Florida panthers. The overall study area was divided into 3 Agency Monitoring Areas (AMA) for purposes of conducting aerial relocations and capture/recovery efforts. The FWC AMA was statewide excluding BCNP south of I-75 and EVER. The BCNP AMA encompassed the area within the BCNP boundary south of I-75. The EVER AMA encompassed the area within the EVER boundary.

Methods

Monitoring

FWC staff was responsible for capturing and fitting panthers with radiocollars, handling neonates at dens, recovering carcasses from the field and roadside within the FWC and EVER AMA, and obtaining aerial relocations (i.e., pinpointing panthers fitted with radio-transmitters from aircraft) three times per week within the FWC AMA. BCNP staff was responsible for these same activities within the BCNP AMA. Due to reductions in spending authority associated with the enactment of the U.S. Government's Budget Control Act of 2011, aerial monitoring of panthers by BCNP staff has been discontinuous since 11 March 2013. During the fiscal year, FWC staff has periodically assisted with locating panthers within the BCNP-AMA when BCNP staff was unable to coordinate a regular flight schedule due to equipment availability or funding shortages. The EVER AMA is currently being monitored for the presence of panthers via trail cameras deployed by EVER personnel at various locations throughout the Park. Responsibility of conducting aerial relocations was coordinated between agencies for those panthers whose home ranges overlap AMAs.

Capture

Free-ranging Florida panthers were captured using trained hounds and houndsmen provided by Livestock Protection Company (Alpine, TX). Panthers were either treed or bayed on the ground and were then darted with a 3 ml compressed-air dart fired from a CO₂-powered rifle. Panthers were immobilized with a combination of ketamine HCl (10 mg/kg; Doc Lane's Veterinary Pharmacy, Lexington, KY) and xylazine HCl (1 mg/kg; Doc Lane's Veterinary Pharmacy, Lexington, KY). Following immobilization, treed panthers were lowered to the ground by a rope or caught with a net; in some cases, a portable cushion (McCown, 1990) was used to further mitigate the impact of a fall. Propofol (PropoFlo™, Abbott Laboratories, Abbott Park, Illinois) was administered intravenously (IV) either as a bolus or continuous drip to maintain anesthesia. Midazolam HCl (0.03 mg/kg) was administered intramuscularly (IM) or IV to supplement anesthesia in some panthers. Panthers were left to recover in a shaded area away from water.

In some cases, xylazine HCl was reversed with yohimbine HCl (Yobine®, Lloyd Inc., Shenandoah, Iowa) at ¼ its recommended dose.

Physical Examination

Vital signs (temperature, heart rate, respiration rate, and capillary refill time) and depth of anesthesia were monitored and recorded. A sterile petrolatum ophthalmic ointment (Puralube®, Pharmaderm, Melville, New York) was applied to the eyes for lubrication. All animals underwent a physical examination to assess general health and physical condition. For each panther handled, the skin over the medial saphenous vein was shaved, prepped, and an IV catheter (Abbocath®-T, Abbott Ireland, Sligo, Republic of Ireland) aseptically placed. Sterile isotonic fluids were administered either subcutaneously (SQ) or IV.

Live-capture Sample Collection

Approximately 70-140 ml of blood (depending on body weight) were collected from the medial saphenous or cephalic veins using a butterfly catheter (19 or 21 ga), luer adapter/hub, and Vacutainer® tubes (approximately 50 ml in serum separator, 40 ml in EDTA, 9 ml in Na Heparin, and 9 ml in ACD tubes; Becton Dickinson, Franklin Lakes, New Jersey). A 4 mm skin biopsy was aseptically collected from the external pinnae of uncollared panthers and saved in 95% ETOH. A triple antibiotic ointment was applied to each biopsy site. Defects were closed with surgical glue (Vetbond™, 3M Animal Care Products, St. Paul, Minnesota). Hair clipped from blood collection sites and ventral abdomen was saved in plastic whirl-pacs; plucked hair for DNA analyses was stored in paper coin envelopes. Other samples, such as bacterial cultures, skin scrapings, and diagnostic biopsies were taken if indicated. Blood smears were made in the field from fresh whole blood. Panthers were implanted with a SQ transponder identification chip (Trovan®, Douglas, United Kingdom), ear-tattooed, measured, and weighed.

Vaccination and Treatment

Depending on vaccine history and titers at previous capture, panthers >6 months old were vaccinated SQ against feline viral rhinotracheitis (FVR), feline calicivirus (FCV), feline panleukopenia

(FPV) (Fel-O-Vax® PCT [FDAH], 1 ml, lower left leg), and rabies (Rabvac™ 3 [FDAH], 1 ml, lower right leg). Free-ranging panthers were also vaccinated against feline leukemia virus (FeLV, Fel-O-Vax® Lv-K [FDAH], 1ml, SQ) in the lower left leg. Depending on body condition, captured panthers were dewormed with ivermectin (0.1 mg/kg, Ivomec®, Merial Limited, Iselin, New Jersey) and praziquantel (3.75 mg/kg, CestaJect™, Phoenix Pharmaceutical, Inc., St. Joseph, Missouri) administered SQ in the lateral aspect of right thigh. Cefovecin sodium (Convenia®, Pfizer, Inc., New York, New York) and penicillin G procaine/benzathine (USVet®, Hanford Pharmaceuticals, Syracuse, New York, 22,000 to 44,000 U/kg) were administered as needed.

Neonatal Kittens

Neonatal kittens <6 weeks-of-age were handled according to Land et al. (1998) and marked with a SQ transponder identification chip. Pyrantel pamoate (0.1 mg/lb, Anthelban V; Phoenix Pharmaceutical, Inc., St. Joseph, Missouri) was administered orally, and blood was collected from the jugular vein for CBC and serum chemistry if indicated. A 2 mm biopsy sample was aseptically collected from the distal end of each external pinnae and saved in 95% ETOH. A triple antibiotic ointment was applied to each biopsy collection site.

Radiocollaring

Captured adult and subadult panthers were fitted with a very-high-frequency (VHF, Advanced Telemetry Systems [ATS], Inc., Isanti, Minnesota) or VHF/GPS (Followit, Lindesberg, Sweden; Lotek Wireless Inc., Ontario, Canada; Vectronic Aerospace GmbH, Berlin, Germany) radiocollar and monitored three times weekly (M, W, F) from a Cessna 172 fixed-wing aircraft (aerial relocations). Locations collected by FWC were recorded in the Universal Transverse Mercator coordinate system using customized software that incorporates positional information from digital orthophotographic quarterquads (geodetic referenced to North American Datum 83) loaded onto a Tablet PC linked to an external GPS unit. Mating and denning behavior; aggressive encounters among panthers; movements and home range shifts; dispersal, survival, recruitment, displacements and replacements of individuals; and other social

and ecological interactions were interpreted from radiotelemetry data, field investigations, genetics analyses, or a combination of these data sets.

Necropsy

Florida panthers found dead were completely necropsied at the Wildlife Research Laboratory (Gainesville, Florida). Panthers suspected to have been killed illegally were necropsied at the USFWS National Forensic Laboratory (Ashland, Oregon). When carcass condition allowed, tissues samples were collected at necropsy from all major organs. Fluids collected included heart blood, venous blood, thoracic blood, aqueous humor, and urine. Blood samples were centrifuged at 2000 rpm for 10 minutes and the supernatant decanted. Representative tissues from fresh (unfrozen) and some previously frozen panthers were placed in 10% neutral buffered formalin. Fixed tissues were embedded in paraffin, sectioned at 5 to 6 μm , and stained with hematoxylin and eosin. Tissues were microscopically examined by pathologists at the University of Florida – College of Veterinary Medicine (UF-CVM, Gainesville, Florida), the Southeastern Cooperative Wildlife Disease Study (Athens, Georgia), the Bronson Animal Diagnostic Laboratory (Kissimmee, FL), or Northwest Zoopath (Monroe, Washington). All tissues from live-captured and necropsied panthers not immediately analyzed were archived at -20° to -70°C .

Diagnostics

Whole blood in EDTA, serum, and diagnostic samples were shipped overnight to Antech Diagnostics (Farmingdale, New York) for a complete blood count (CBC), serum chemistry profile, and appropriate diagnostic procedures (culture, histopathology). Tissue biopsies for DNA analyses were stored at the FWC-Naples Field Lab.

Reciprocal antibody titers and/or presence of antigen in serum were determined for feline leukemia virus (FeLV, ELISA antigen), feline immunodeficiency virus/puma lentivirus (FIV/PLV; Western Blot, Kinetics ELISA, and peptide ELISA), feline rhinotracheitis virus (FVR, serum neutralization [SN]), feline calicivirus (FCV, SN), canine distemper virus (CDV, SN), and feline panleukopenia virus (FPL, SN) at the New York State Diagnostic Laboratory (Cornell University, Ithaca,

New York). EDTA whole blood from panthers was tested for FeLV and FIV in the field using a rapid immunoassay (SNAP Combo, IDEXX Laboratories, Westbrook, Maine). Panthers were also tested for FeLV at necropsy using thoracic, venous, or heart blood. Necropsied panthers were tested for rabies by direct fluorescent antibody test at the Jacksonville Central Laboratory (Jacksonville, Florida) or Kansas State University (Manhattan, Kansas). Viral isolation and real-time and conventional PCR for canine distemper virus, pseudorabies virus, Flaviviruses, and Alphaviruses was performed at SCWDS on brain, heart, and other tissues collected from panthers dying of unknown causes. Quantitative PCR for pseudorabies was performed at the Diagnostic Center for Animal and Population Health (DCAPH, Lansing, Michigan).

Toxicology (organic toxin screens by gas chromatography / mass spectrometry and anticoagulant rodenticide screens) was performed at DCPAH and at the Florida Department of Environmental Protection (organochlorines, mercury, and polychlorinated biphenyls, Tallahassee, Florida).

Results and Discussion

2015-2016 Panther Capture Season

Radiocollared Panthers

Telemetry data were collected on 28 radiocollared Florida panthers in southern and central Florida during the reporting period by FWC and BCNP staff (Figures 1 and 2). FWC staff radiocollared 1 panther with an ATS brand VHF collar, 1 panther with a Vectronic Vertex GPS radiocollar, 2 panthers with Lotek Globalstar radiocollars, and 1 panther with a Tellus GPS radiocollar. Four of these 5 panthers were captured during the 2015-2016 capture season including the recapture of FP185, a female panther whose previous collar failed in October 2011. The fifth panther, male FP243, was trapped on 12 April 2016 in accordance with the Florida Panther Response Plan because this panther was lingering around Farmworker Village just south of Immokalee, Florida. FP243 was held in quarantine at Lowry Park Zoo to verify that his feline leukemia status remained negative and then released into southern BCNP on 25 May 2016. Ear tags were placed in panthers FP185, FP241, FP242 and FP243. Minimum convex

polygon home ranges for female and male panthers monitored by FWC during Fiscal Year (FY) 2015-2016 are depicted in Figures 3 and 4, respectively. A complete historical compilation of data associated with the 243 panthers captured since 1981 can be found in Appendix I.

Capture Results

The goals of 2016 capture season were to: 1) capture, ear tag, and radiocollar adult and subadult panthers on the Immokalee Ranch as part of a trail camera study to attempt to assess the density of panthers on this large parcel of private land; and 2) deploy new radiocollars on panthers wearing units nearing the end of their battery life expectancy.

Capture efforts commenced on 5 January 2016 and continued through 26 January 2016 for a total of 10 active pursuit days. Non-pursuit days during this time frame included days where recollar opportunities were not available based on that day's aerial telemetry locations and rainy weather. Two previously uncollared Florida panthers (FP241 and FP242) were captured by FWC staff (Table 1) during the capture season and added to the monitored population. Panther FP195 was recollared. Panther FP185 was recaptured wearing a GPS collar that failed on 17 October 2011 and was fitted with a new GPS collar. The capture season terminated on 26 January 2016 due to extremely high water levels associated with heavy rainfalls that made safe captures of panthers problematic.

Three panthers (FP243, UCFP253, UCFP261) were captured outside of the scheduled capture season. Specifics regarding the capture of these panthers are detailed in other sections of this report.

Biomedical Summaries of Florida Panthers Handled in 2015-2016

No significant capture-related injuries occurred this capture season. All panthers captured by FWC for routine radiocollaring were in good to excellent condition; however, one panther (FP242) had a moderate to severe holosystolic heart murmur and lung sounds consistent with pneumonia or pulmonary edema when examined at capture. Hematology and serum chemistry were normal for this panther and an underlying cause for these findings was not found. Five of 42 (12%) necropsied panthers whose hearts were in suitable condition for examination had atrial septal defects. Defects ranged in diameter from 1 to

5 mm; one ASD (in UCFP284) appeared to be clinically significant and may have exacerbated the pulmonary contusions and edema resulting from vehicle injuries. One male (UCFP244) was found to be bilaterally cryptorchid. There was no scrotal development in this 1.5 year old subadult and the testes were found in the inguinal canal just external to the superficial inguinal ring (abdominal wall). One additional 4 mo old panther (UCFP252) had testes just outside of the scrotum but was not considered cryptorchid due to his age. One panther (UCFP283) had a healed gunshot injury to the left hock.

Two panthers (UCFP269, UCFP275) tested positive for FeLV at necropsy this FY (none at capture); which makes for a total of six FeLV positive panthers since December 2010. Both positive panthers this FY died from vehicular trauma and clinical signs were limited to enlarged lymph nodes.

One subadult male panther (FP243) was held in captivity for approximately 6 weeks after repeated depredations on pets. After consistently testing negative for FeLV he was radio-collared and released in southern Big Cypress National Preserve on 25 May 2016.

One dependent panther kitten (UCFP284) was captured 16 June after being struck by a vehicle. She was treated at a referral hospital and then transported to White Oak Conservation Center where she died shortly after arrival. A concurrent atrial septal defect may have exacerbated pulmonary contusions and edema sustained from the collision.

Captive Florida Panthers

Florida panthers permanently in captivity this FY included: UCFP253 (aka “Sassy”), a 1 year old female at the Palm Beach Zoo (West Palm Beach, Florida); UCFP261 (Sakata), a 10 month old male at Homosassa Springs Wildlife State Park (Homosassa Springs, Florida); UCFP221 (Uno), a 4 year old male at the Naples Zoo (Naples, Florida); K434, a 2 year old female kitten of FP219, at the Zoo Miami (Miami, Florida); UCFP205 (Yuma), a 2.5 year old male at Homosassa Springs State Wildlife Park; K255 (Lucy), a 9 year-old female at the Lowry Park Zoo (Tampa, Florida); and K180 and K181, 11.5 year-old female siblings at the Jacksonville Zoo (Jacksonville, Florida).

Reproduction

FWC and NPS staff handled 15 kittens (7 males and 8 females) at the dens of 7 females from 1 July 2015 to 30 June 2016 (Table 2). Mean litter size for these dens was 2.14 ($n = 7$, $SD = 0.69$, range = 1-3). The total number of dens located during the reporting period may have been negatively impacted by reduced monitoring efforts by NPS due to logistical and budget constraints. A historical compilation of data collected by FWC and NPS on Florida panther kittens handled at dens (1992-2016) and known dens of radiocollared females (1985-2016) can be found in Appendix II and III, respectively.

Florida Panther Mortality

Deaths of 48 free-ranging panthers were documented during the reporting period including: six female radiocollared panthers and 42 (27♂, 12♀, 3 unknown sex) uncollared panthers (Table 3). Causes of mortality included 38 by vehicular trauma (23♂, 14♀, 1 unknown sex), six from unknown causes (2♂, 2♀, 2 unknown sex), three from intraspecific aggression (1♂, 2♀), and one died of starvation after orphaning (♂). In addition to these mortalities, biologists removed two panther kittens (female UCFP253 and male UCFP261) from the wild permanently after they were orphaned. Both UCFP253 and UCFP261 are now in permanent captivity at the Palm Beach Zoo and Homosassa Springs Wildlife State Park, respectively. A historical compilation of all recorded panther mortalities and injuries can be found in Appendix IV.

Management Activities

The increase in the panther population since 1995 and an increasing human population in South Florida has contributed to a rise in human-panther interactions. Depending upon the individual's perspective and the nature of the event, these interactions can be perceived as either positive or negative. Some people are pleased that we have a healthier, more resilient panther population because it means the panther's future is more secure than it was a few decades ago. Other people are concerned about potential panther encounters that may be a risk to public safety or property. Some ranchers and hobby livestock owners have lost livestock due to panther predation.

The public's perception of panthers and support for their conservation varies widely and can be greatly influenced by having experienced some type of interaction with a panther. Education and outreach remains a critical recovery action because conservation efforts will not be achieved without public support. To that end, FWC contracted Dr. Elizabeth Pienaar at the University of Florida to explore human dimension issues related to panther population expansion. The primary objective of this research was to integrate natural sciences and economics to investigate which different types of panther habitat conservation incentives appeal to landowners. Conserving panther habitat on private lands is essential for advancing panther recovery throughout its range. This work is completed and the final report provided insights into which incentives (financial incentives, regulatory relief, and/or assistance) landowners prefer and the potential costs of implementing these incentives.

Florida Panther Response Plan Activity

Human-panther interactions and depredations of domestic animals are handled following protocols established in the Interagency Florida Panther Response Plan (USFWS 2008b). Confirmed interactions and depredations are expected to continue as human use and development continue to be located near areas occupied by a stable or increasing population of panthers. The efforts of FWC and our partners may be able to assist with mitigating some of these interactions. Confirmed human-panther interactions included 3 encounters during the reporting period (Figure 5). An encounter is classified as an unexpected direct meeting between a human and a panther where the panther displays non-threatening behavior (USFWS 2008b). In addition to human-panther interactions, 23 depredation events involving domestic animals were confirmed (Figure 5). In some cases multiple animals were killed during a single event. A depredation does not involve any direct contact with a human and is classified as an event where domestic livestock or pets are preyed upon by a panther (USFWS 2008b).

Encounters pose a low to moderate risk to human safety. One encounter entailed a juvenile panther that was discovered bedded down next to a house. FWC biologists arrived on scene, assessed the panther's condition, determined it was healthy, and flushed it from the area. A second encounter occurred when a resident walked to the back of their property to retrieve their dog that was not responding to being

called. As the resident got closer to their dog they saw a deer carcass and a panther standing nearby. The panther retreated as the person approached. The third encounter involved a juvenile panther that entered a lanai (screened in porch) through a broken pet door. The homeowners were alerted to the panther as it hit the screen trying to escape. It eventually left on its own accord through the same pet door.

Depredations of domestic animals pose a low risk to human safety because there is typically no direct interaction between a human and a panther. However, panthers preying on hobby farm livestock (primarily goats), pets, and cow calves is an issue that was continually addressed. The majority (17) of depredation events occurred in Collier County, five occurred in Hendry, and one occurred in Lee County. Animals killed or injured by panthers included goats (17), calves (12), sheep (11), dogs (2), and a duck (1). Most of these depredations occurred in the Golden Gate Estates east of Naples (Collier County). Golden Gate Estates encompasses approximately 150 square miles and borders the FPNWR, PSSF, and CREW, all public lands occupied by panthers. Lot sizes range typically from 1-5 acres and most lots still contain natural vegetation. Keeping livestock is permitted under local zoning codes. During depredation investigations, FWC staff provide technical assistance and advice to affected residents on ways they can reduce the risk to pets and hobby livestock. We recommend that hobby animals and pets be secured in barns or pens with roofs or kept indoors, especially at night when predators are typically more active. FWC has produced a brochure outlining these simple steps and also provides this information on-line at www.floridapanther.net.org.

Cattle ranches often encompass hundreds of acres and can provide abundant wild 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) are important to the long term survival of the panther. Periodically, cattle ranches do experience panther depredations on calves. A study completed in 2014 on two southwest Florida ranches revealed that on average, < 3% of radiocollared calves were killed by panthers (Jacobs and Main 2015). The FWC continues to work with ranch owners, Defenders of Wildlife, the Conservancy of Southwest Florida, and the USFWS to decipher means of reducing these losses while continuing to assure the conservation and recovery of the Florida panther.

Land use, habitat impacts, and environmental commenting

Land use changes and development in or adjacent to panther habitat can have long term impacts on Florida panther recovery. FWC staff works cooperatively with state and federal partners to evaluate proposed developments, major road projects, and management plans for local, state, and federal public lands. These evaluations may include measures to avoid, minimize, or mitigate the effects of these projects on panthers.

Current Research

Research continues to be an important part of Florida panther conservation. Research plans are vetted with FWC's partners to ensure that the research and monitoring efforts are well-designed, coordinated, and meet priority needs. FWC continues its protocol of disease monitoring and vaccination of all panthers handled as well as monitoring the genetic health of the population via DNA analyses contracted to the U.S. Forest Service, Rocky Mountain Research Station, National Genomics Center for Wildlife and Fish Conservation (Missoula, Montana). During FY15-16, FWC obtained genotype data at 16 microsatellite loci from 47 contemporary samples. The FWC is currently involved in several collaborative research projects focusing on issues related to Florida panther conservation and management. Among these are a population viability analysis that involves individual-based models, testing novel methods of estimating home ranges using GPS data, assessing genetic restoration using whole genome sequencing, evaluating the presence and significance of various parasites and environmental contaminants in panthers, determining mortality factors, assessing the efficacy of panther rehabilitation, and evaluating the diet of panthers from scat and stomach contents.

The FWC continues to assess innovative techniques that could potentially provide statistically robust estimates of the panther population size, a task that is notoriously difficult for cryptic, wide-ranging, and endangered large carnivores. Collaborative efforts have identified two promising protocols. A methodology that relies on a combination of trail camera surveys and marked panthers was initiated in the spring of 2014. Preliminary analyses indicate that this method may have utility for estimating a range-wide panther population size with reasonable levels of precision. Additional work on improving

the statistical model by incorporating relevant covariates should finalize this project during the 2016-2017 FY and results will be submitted for publication in a peer-reviewed journal. The second technique, that incorporates panther road mortality data and telemetry locations, has been applied to data collected by FWC from 2000-2012. The population estimates obtained from this method correlate with the increase in the population size that was observed using minimum count data, along with a subsequent stabilization in the population noted in the last four years of the study. While this methodology provided the first true estimate of the population size of Florida panthers across the entire breeding range, the confidence intervals associated with the estimate were wide due to sample sizes that were driving the model. Future research may focus on deciphering how to improve the precision of estimates calculated with this methodology. A manuscript describing this research, entitled “Endangered Florida panther population size determined from public reports of motor vehicle mortalities” was published in the *Journal of Applied Ecology* in 2015.

FWC assisted with the completion of several collaborative research projects during FY 2015-2016 including: deriving a technique of using information from panther road mortalities and telemetry locations to obtain a population estimate for the current breeding range; the efficacy of uniquely identifying panthers on trail camera photos; and assessing pathogen exposures among populations of wild and domestic felids. Agency staff served as lead or co-authors on three peer-reviewed publications and three published abstracts that were presented at professional conferences (see page 20).

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- van de Kerk, M., **D. P. Onorato**, J. A. Hostetler, B. M. Bolker, M. K. Oli. 12 August 2015. Eighteen years of Florida panther survival since genetic introgression. *Presented at the 100th Annual Meeting of the Ecological Society of America*, Baltimore, Maryland.

* Authors in bold represent current FWC panther staff.

Table 1. Florida panthers captured by the Florida Fish and Wildlife Conservation Commission from 1 July 2015 to 30 June 2016.

Panther ID	Sex	Capture Date	Capture Location^a	Age (yrs)	Wt. (lbs)	Collar type - brand, model	Comments
UCFP253	F	11/2/2015	CSSP	4 months	15 est.	NA	Orphaned. Placed in captivity at the Palm Beach Zoo.
FP195	F	1/6/2016	FPNWR	7.5	65	VHF - ATS	Recollar. Yellow belting.
FP241	M	1/12/2016	Immokalee Ranch	7-8	142	GPS - Vectronic	Initial collaring. Ear tagged.
UCFP261	M	1/18/2016	Private Property	3 months	15	NA	Orphaned. Placed in captivity at Homosassa Springs Wildlife State Park.
FP185	F	1/19/2016	Immokalee Ranch	7	87.5	GPS – Lotek Globalstar	Recollar. Ear tagged.
FP242	M	1/20/2016	Immokalee Ranch	9-10	156	GPS – Lotek Globalstar	Initial collaring. Ear tagged.
FP243	M	4/12/2016	Farmworker Village	1.5	101	GPS – Followit Iridium	Captured on 4/12/2006 and temporarily housed at Lowry Park Zoo. Released on 5/25/2016 in Big Cypress National Preserve.

^a CSSP = Collier Seminole State Park, FPNWR = Florida Panther National Wildlife Refuge

Table 2. Neonate kittens handled at Florida panther dens by the Florida Fish and Wildlife Conservation Commission and the National Park Service from 1 July 2015 to 30 June 2016.

FP Dam	Kitten ID	Sex	Den location^a	Date handled	Estimated age in days	Actual weight (grams)
FP180	K448	F	SBCNP	9/17/2015	19	1400
FP180	K449	M	SBCNP	9/17/2015	19	1550
FP198	K450	F	N of LCPA	10/28/2016	11	1000
FP198	K451	M	N of LCPA	10/28/2016	11	900
FP214	K452	M	SBCNP	3/3/2016	20	1956
FP214	K453	M	SBCNP	3/3/2016	20	1899
FP185	K454	F	Immokalee Ranch	3/9/2016	12	1050
FP185	K455	F	Immokalee Ranch	3/9/2016	12	1050
FP185	K456	F	Immokalee Ranch	3/9/2016	12	1000
FP221	K457	M	SBCNP	3/27/2016	25	1927
FP221	K458	M	SBCNP	3/27/2016	25	1984
FP180	K459	F	SBCNP	5/2/2016	14	1304
FP180	K460	F	SBCNP	5/2/2016	14	1219
FP180	K461	F	SBCNP	5/2/2016	14	1106
FP195	K462	M	PSSF	5/10/2016	40	2450

^a LCPA = Lee County Port Authority; PSSF = Picayune Strand State Forest; SBCNP = Big Cypress National Preserve South of Interstate 75.

Table 3. Verified Florida panther mortalities and injuries recorded between 1 July 2015 and 30 June 2016. Data collected by FWC and BCNP staff. Causes of death include hit-by-car (HBC), intraspecific aggression (ISA), natural (NAT), and unknown (Unk). The presence of atrial septal defects (ASD) and other biomedical and morphometric data are also noted. Rabies results are listed as Not Tested (nt), Negative (Neg), or Unsatisfactory (U, poor sample quality) Ages are in years, months (mo.), or weeks (wks.), and gender is Male (M), Female (F), and Unknown (U). Some characteristics were not determined (nd) or not applicable (NA) to specific panthers.

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
UCFP246	U	7/1/2015	Unk	LCPA, Lee Co.	2 wks.	Unk	Unk	Unk	Unk	Unk	nt	Only hair and small bone fragments were recovered. No necropsy conducted.
UCFP244	M	7/5/2015	HBC	Immokalee Rd. Collier Co.	1.5	75	Y	Y	N	0	U	Injuries consistent with vehicular trauma. Bilaterally cryptorchid - no scrotal development. Testes just outside abdominal wall.
UCFP245	M	7/8/2015	HBC	Daniels Pkwy, Lee Co.	10-11 mo.	62.5	N	Y	N	2	nt	Injuries consistent with vehicular trauma. Numerous 2-4mm grey/black spherical masses along GI tract; prominent abdominal lymph nodes; heavy tapeworm burden.
UCFP247	M	7/13/2015	HBC	SR80, Hendry Co.	2-3	99.6	Y	Y	N	Unk	U	Injuries from vehicular trauma.
UCFP248	F	7/30/2015	HBC	Golden Gate Blvd, Collier Co.	4-5 mo.	29.6	N	N	N	NA	Neg	Injuries consistent with vehicular trauma
FP240	F	8/9/2015	ISA	BCNP-Deep Lake, Collier Co.	2.7	Unk	N	N	Unk	NA	nt	Traumatic injuries consistent with ISA. Pelt has numerous puncture wounds throughout; carcass severely scavenged and autolyzed - all organs missing.
FP219	F	9/18/2015	HBC	I-75, Collier Co.	4.3	76.8	N	N	N	NA	nt	Injuries consistent with vehicular trauma. Stomach contains domestic cat remains; bladder - white nodules on mucosal lining.

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
UCFP249	M	9/22/2015	HBC	CR858, Collier Co.	4 mo.	16.5	N	N	N	0	nt	Injuries consistent with vehicular trauma. Testes not yet descended - L found just outside inguinal ring, R pulled out of place by trauma.
UCFP250	M	9/28/2015	HBC	US41, Collier Co.	3-4	91.2	N	N	N	2	nt	Injuries consistent with vehicular trauma.
K432	F	9/30/2015	HBC	I-75, Collier Co.	13 mo.	58	N	Y	N	NA	Neg	Injuries consistent with vehicular trauma. Moderate tapeworm burden.
UCFP251	F	10/8/2015	HBC	US 41, Collier Co.	3	65.2	N	N	Unk	NA	Neg	Injuries consistent with vehicular trauma. Light lactation.
FP222	F	10/23/2015	HBC	I75, Collier Co.	10.5	75	N	Y	N	NA	Neg	Injuries consistent with vehicular trauma. Several erosions (chronic) on distal foot pads.
UCFP252	M	10/31/2015	Starvation due to orphaning	CSSP, Collier Co.	4 mo.	13.2	N	N	N	0	nt	Testes - both near scrotum, R slightly smaller than L; diarrhea is present - parvovirus test is negative.
UCFP254	M	11/23/2015	HBC	CR846, Collier Co.	1	65.5	Y	N	Y	2	Neg	Injuries consistent with vehicular trauma. Tail has double kink; atrial septal defect present - 2.25 x 2.25 mm; Stomach has 9 mm dia. nodule.
K387	M	11/25/2015	HBC	SR29, Glades Co.	2.8	111.3	N	Y	N	2	Neg	Injuries consistent with vehicular trauma.
FP93	F	12/2/2015	Unk	BCNP-Turner River, Collier Co.	16.8	Unk	N	N	Unk	NA	nt	Skeletal remains only; tail kink and cowlick data verified from previous capture records. Old rib and metatarsal or metacarpal fractures, periodontal disease present.
UCFP255	F	12/8/2015	HBC	CR832, Hendry Co.	1	Unk	Y	N	N	NA	Neg	Injuries consistent with vehicular trauma. Tissue observed over foramen ovale; many internal organs missing
UCFP256	F	12/15/2015	HBC	Corkscrew Rd Collier Co.	2.5	73	N	Y	N	NA	Neg	Injuries consistent with vehicular trauma. Soft tissue mass collected from sinus cavity above soft palate; light lactation; enlarged peripheral, thoracic, and abdominal lymph nodes; feces - dry, hard; Uterine scars present; bone marrow culture yielded light growth of <i>Providencia alcalifaciens</i> .

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
UCFP257	M	12/16/2015	HBC	CR835, Hendry Co.	6	est. 150	N	N	N	2	nt	Injuries consistent with vehicular trauma. Severe autolysis and heavy scavenging; lungs - L caudal lobe contains 2 x 2 cm firm lesion containing pus that appears to originate from primary bronchiole; unable to assess if other lung lobes are affected due to autolysis; no abdominal organs present other than small piece of liver.
UCFP258	M	12/21/2015	HBC	SR29, Collier Co.	1	67.7	N	N	N	2	Neg	Injuries consistent with vehicular trauma. Enlarged thoracic and abdominal lymph nodes.
UCFP259	F	12/30/2015	HBC	CR832, Hendry Co.	7 mo.	Unk	Y	N	N	NA	nt	Injuries consistent with vehicular trauma. Numerous organs missing due to severe vehicular trauma.
UCFP260	M	1/3/2016	Unk (Possible ISA)	Naples, Collier Co.	6 mo.	est. 22.75	N	Unk	Unk	2	nt	Traumatic injuries consistent with ISA. Most pelt and internal organs scavenged; some enlarged peripheral lymph nodes; some vertebral transverse processes chewed/scavenged; entire sternum and distal ribs scavenged. GCMS screen - liver was negative for toxins.
UCFP262	F	1/20/2016	HBC	Daniel's Pkwy, Lee Co.	7-9 mo.	39.2	Y	Y	N	NA	nt	Injuries consistent with vehicular trauma.
UCFP263	M	1/21/2016	HBC	Florida Turnpike, Okeechobee Co.	2-3	128.6	N	Y	Y	Unk	Neg	Injuries consistent with vehicular trauma. Testes appear to have been pulled from scrotum by traumatic injury, scrotal development present; ASD present 2 x 2 mm present with 4mm diameter depression.
UCFP264	F	1/30/2016	HBC	SR82, Hendry Co.	4	87.7	N	N	Y	NA	Neg	Injuries consistent with vehicular trauma. Light lactation; ASD present 1 x 1 mm; GI contains heavy burden of nematodes; evidence of old, healed injuries: spleen multi-lobulated and in two pieces. Abdominal cavity: embedded in fat on L side above adrenal gland is a 0.75 x 0.5cm egg-shaped tissue with what appears to be adrenal tissue.

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
UCFP265	M	2/2/2016	HBC	I-75, Lee Co.	2-3	98.5	Y	N	N	2	Neg	Injuries consistent with vehicular trauma. Oral cavity - possible ulcer under tongue on R side of sublingual frenulum (3mm diameter).
UCFP266	F	2/12/2016	HBC	SR82, Lee Co.	1.5-2	81.3	N	N	N	NA	Neg	Injuries consistent with vehicular trauma. Possible uterine scars; enlarged abdominal lymph nodes; strong FIV positive on IDEXX snap test.
UCFP267	M	2/15/2016	HBC	SR82, Collier Co.	5-6 mo.	Unk	N	N	N	Unk	Neg	Traumatic injuries consistent with HBC. Some skeletal muscles and abdominal organs scavenged. Sex determined via DNA
UCFP268	M	2/17/2016	HBC	SR 82, Collier Co.	3.5	134.1	Y	N	N	2	Neg	Traumatic injuries consistent with HBC, however some injuries appear to be from previous traumatic injury. Scar on medial right pinnae causing deformity; Healing left #9 rib fracture present.
UCFP269	M	2/15/2016	Unk (suspect alligator predation)	Lely Resort, Collier Co.	2	Unk	Unk	Unk	N	Unk	nt	Severely autolyzed and scavenged; Numerous punctures and lacerations on the face, ventral abdomen, and left thorax. FeLV positive.
UCFP270	U	3/5/2016	Under Investigation	BCNP-AL, Collier Co.	2-4	†	†	†	†	†	†	Cause of death is under active investigation
UCFP271	M	3/10/2016	HBC	SR570, Polk Co.	3	127.3	N	N	N	2	Neg	Injuries consistent with vehicular trauma.
UCFP272	M	3/25/2016	HBC	Golden Gate Blvd., Collier Co.	14-16 mo.	99.2	Y	N	Y	2	Neg	Injuries consistent with vehicular trauma. Atrial septal defect present 2.5 x 5.5 mm. Appears to have domestic cat remains in stomach.
UCFP273	U	4/1/2016	HBC	I-75, Collier Co.	1	Unk	Y	Unk	N	Unk	nt	Injuries consistent with vehicular trauma. Carcass severely mutilated.
UCFP274	M	4/6/2016	HBC	I-75, Lee Co.	3	107.8	N	N	N	2	Neg	Injuries consistent with vehicular trauma.
UCFP275	M	4/6/2016	HBC	Immokalee Rd, Collier Co.	3	105.6	N	N	N	2	U	Injuries consistent with vehicular trauma. Enlarged peripheral, thoracic, and abdominal lymph nodes; FeLV positive.

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
UCFP276	M	4/9/2016	HBC	I-75, Lee Co.	4-5	120.1	N	N	N	2	nt	Injuries consistent with vehicular trauma.
UCFP277	M	4/10/2016	HBC	Golden Gate Blvd, Collier Co.	5-6 mo.	Unk	N	N	N	Unk	nt	Injuries consistent with vehicular trauma. Both testes at inguinal ring but unable to assess if descended due to trauma.
UCFP278	M	4/15/2016	HBC	Randall Blvd, Collier Co.	16-18 mo.	82.1	N	N	N	2	Neg	Injuries consistent with vehicular trauma. Slight kink in tail.
UCFP279	F	4/26/2016	HBC	I-75, Lee Co.	3-4	82	Y?	N	N	NA	Neg	Injuries consistent with vehicular trauma. Lactating, enlarged reproductive tract; tail "kink" may be an old fracture.
UCFP280	M	4/26/2016	HBC	CR833, Hendry Co.	1	Unk	N	N	N	Unk	U	Injuries consistent with vehicular trauma. Complete scrotum present; one testis may have been pulled into inguinal by scavengers or due to trauma.
UCFP281	M	4/28/2016	ISA	OKS, Hendry Co.	4	113.5	N	N	N	2	nt	Traumatic injuries consistent with ISA. Chronic/healing injury to right zygomatic arch and temporalmandibular joint; damaged transponder chip found on x-rays - data recovery pending to determine original ID.
UCFP282	M	5/3/2016	HBC	SR 29, Collier Co.	2-3	84.2	N	N	N	2	Neg	Injuries consistent with vehicular trauma. Greater than 20 sublingual papillomas are present; a ~4cm raised, firm nodule in mucosal lining of stomach contains 1-2 nematodes.
FP162	F	5/6/2016	ISA	BCNP-TR, Collier Co.	11	est. 70	N	Unk	N	NA	U	Traumatic injuries consistent with ISA; hide and musculature consumed dorsally from neck to tail; significant mammary development; uterus greatly distended and uterine scars present - likely just had kittens (no kittens/carcasses found at site); two pedunculated cutaneous masses 0.5-1cm diameter - perineal region

Panther ID	Sex	Date deceased	Cause	Location ^a	Age ^b (yr)	Weight (lbs.)	Kinked tail	Cowlick	ASD	Testes	Rabies FA ^c	Significant necropsy results ^d
K403	F	5/26/2016	HBC	Daniel's Pkwy, Lee Co.	2.5	97.3	Y	Y	N	NA	Neg	Injuries consistent with vehicular trauma. Mammary development but not lactating; vaginal discharge - red/pink, milky; enlarged, firm, discolored lymph node at top of thymus; enlarged lymph node on esophagus with white/tan granular center; numerous enlarged ln's in thoracic cavity; pregnant - 3 late-term fetuses.
UCFP283	M	5/26/2016	HBC	US 27, Highlands Co.	2	98.8	N	N	N	2	Neg	Injuries consistent with vehicular trauma. Metal fragments seen on radiographs of left hock; healing fractures/damage associated with metal fragments present; 1mm diameter nodule present on splenic surface.
UCFP284	F	6/16/2016	HBC	CR 858, Collier Co.	6 mo.	39.6	N	Y	Y	NA	Neg	Survived initial vehicular injuries, died at White Oak Conservation Center the following morning likely due to pulmonary contusions. Pre-existing pneumonia (<i>Pseudomonas fluorescens</i> -heavy growth, <i>Klebsiella pneumoniae</i> - heavy growth) and a significant ASD (5 x 4 mm) may have contributed to death.
FP215	F	6/22/2016	Unk	Private lands, Collier Co.	11	est. 70	Y	N	N	NA	nt	Severe muscle wasting and thoracic cavity contains ~2.5L opaque, red/brown fluid; lungs are collapsed; healed fractures of right fifth rib present. Thoracic lymph node enlarged. Liver was negative for anticoagulant rodenticides. Tail has double kink.

^a CSS= Corkscrew Swamp Sanctuary; FPNWR = Florida Panther National Wildlife Refuge; NBCNP = Big Cypress National Preserve North of Interstate 75; PSSF = Picayune Strand State Forest/Wildlife Management Area; SBCNP = Big Cypress National Preserve South of Interstate 75. ^b Ages of panthers followed by * were of known age due to initial handling and marking at the natal den. ^c FA= Direct Fluorescent antibody test; u = tested but tissue condition was unsatisfactory for definitive diagnosis, nt = not tested, N = negative. ^d USFWS=United States Fish and Wildlife Service. † = Information withheld, under investigation.

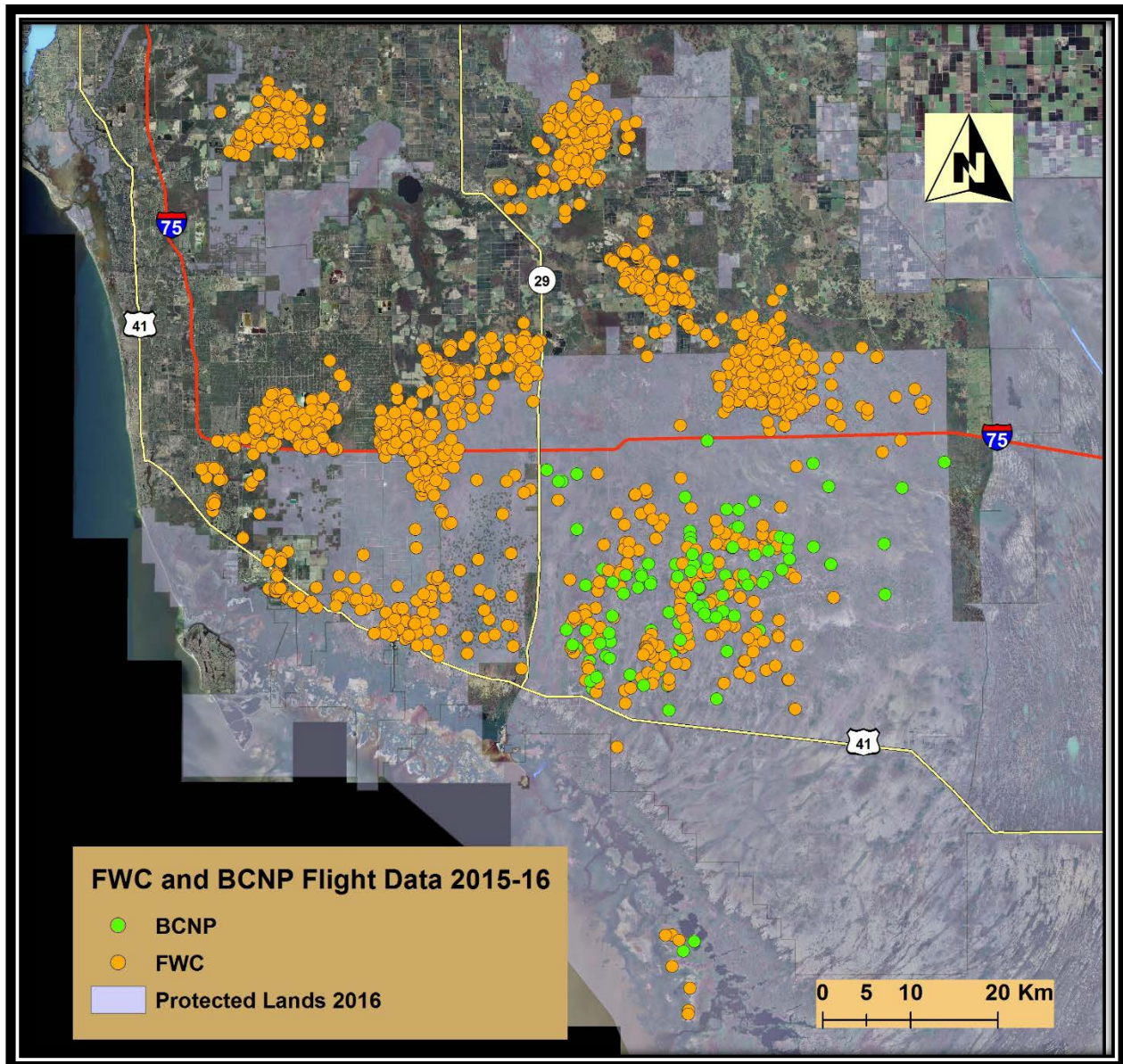


Figure 1. Locations of all radiocollared Florida panthers in southern Florida from 1 July 2015 to 30 June 2016. This map does not include points collected on male FP232 (see Figure 2) north of the Caloosahatchee River. Data collected via aerial telemetry by FWC and NPS.

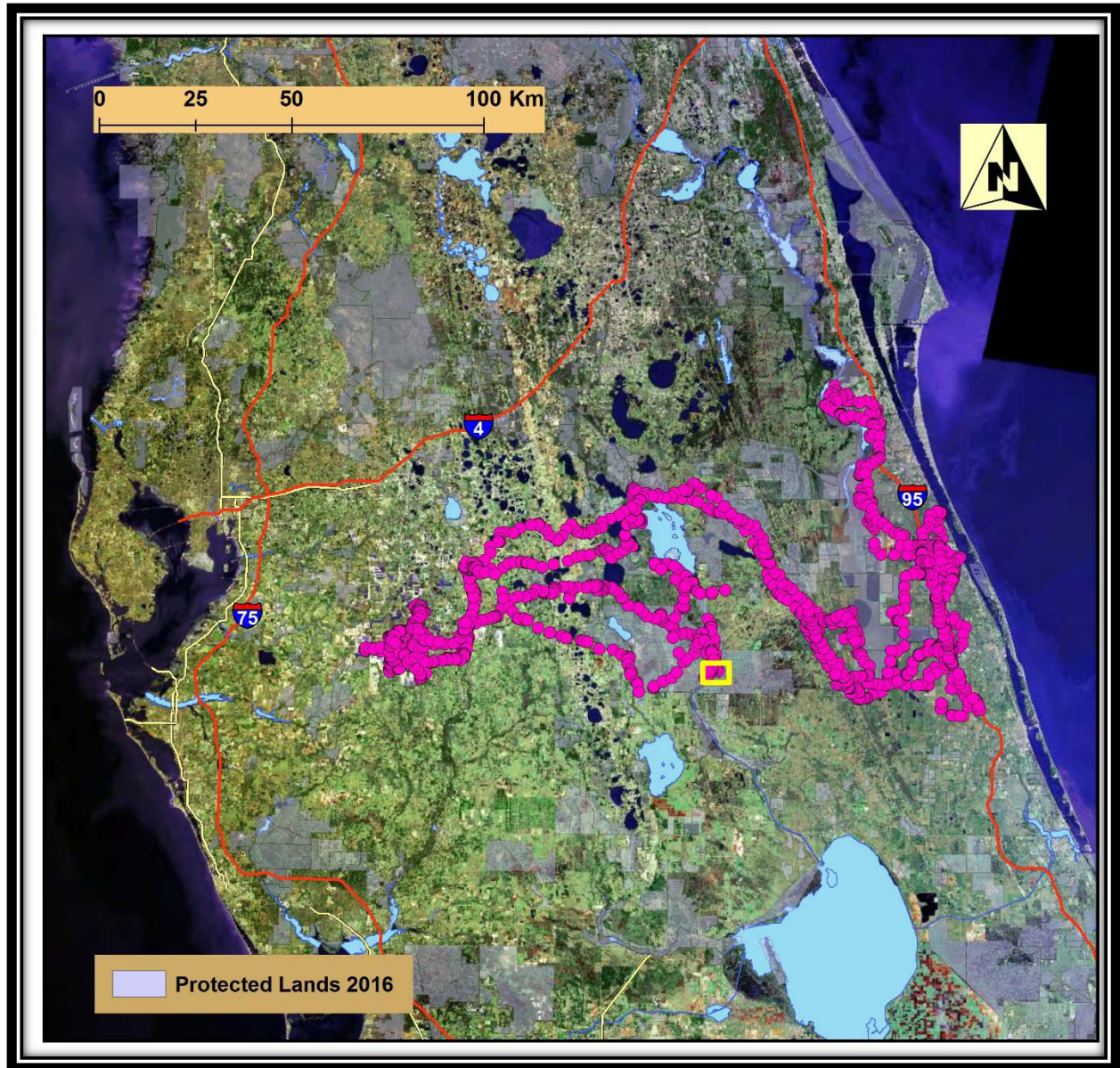


Figure 2. Locations for male Florida panther FP232 from 7 January to 7 October 2015. This panther was initially injured in a vehicle collision 15 April 2014 in Fort Meade, Florida. After rehabilitation at White Oak, FP232 was released at the Kissimmee Prairie State Park (yellow box) on 7 January 2015. The radiocollar subsequently failed on 7 October 2015.

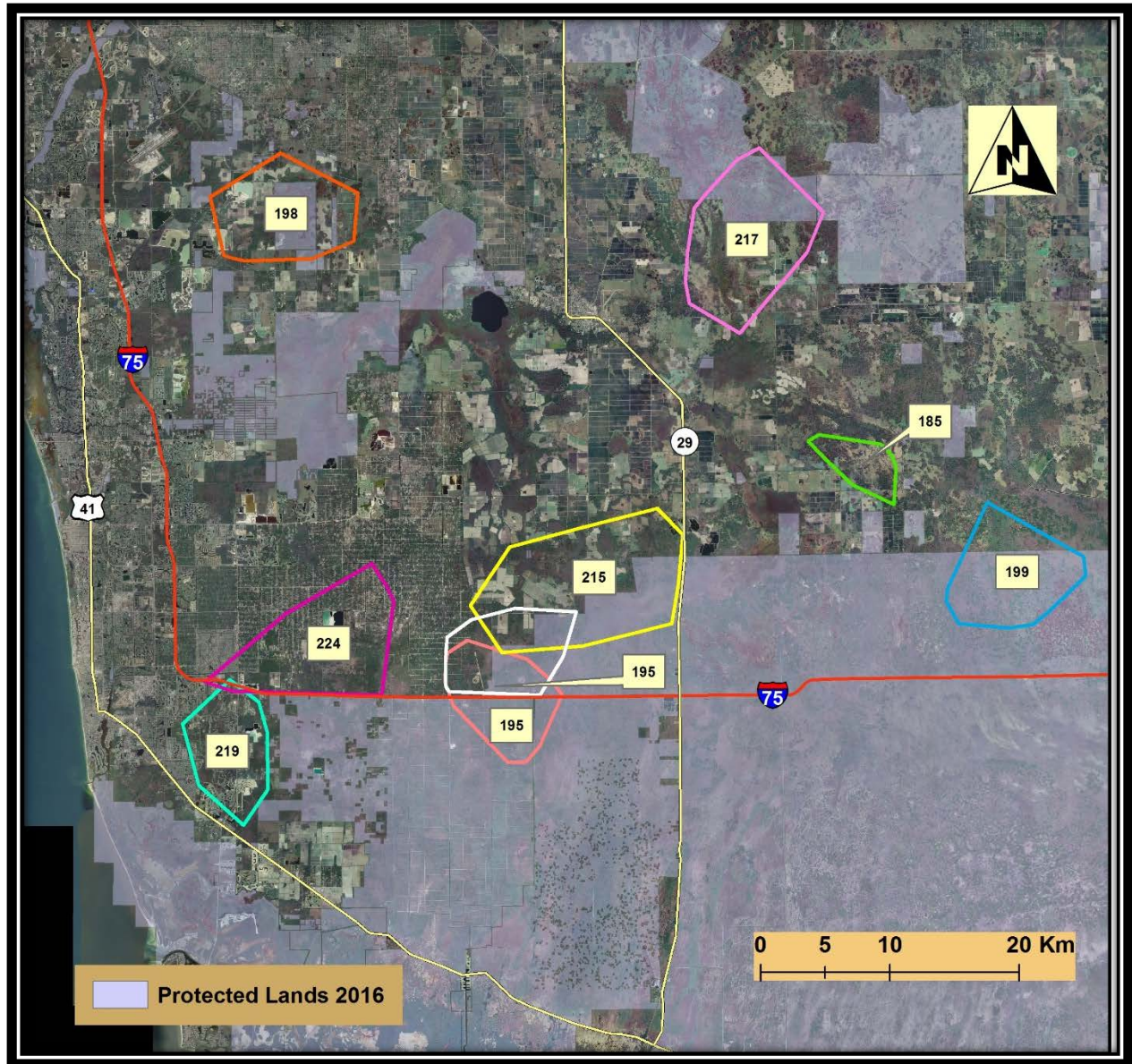


Figure 3. Depiction of the 100% minimum convex polygon home ranges for adult female Florida panthers monitored by FWC from 1 July 2015 to 30 June 2016. Data collected via aerial telemetry by FWC.

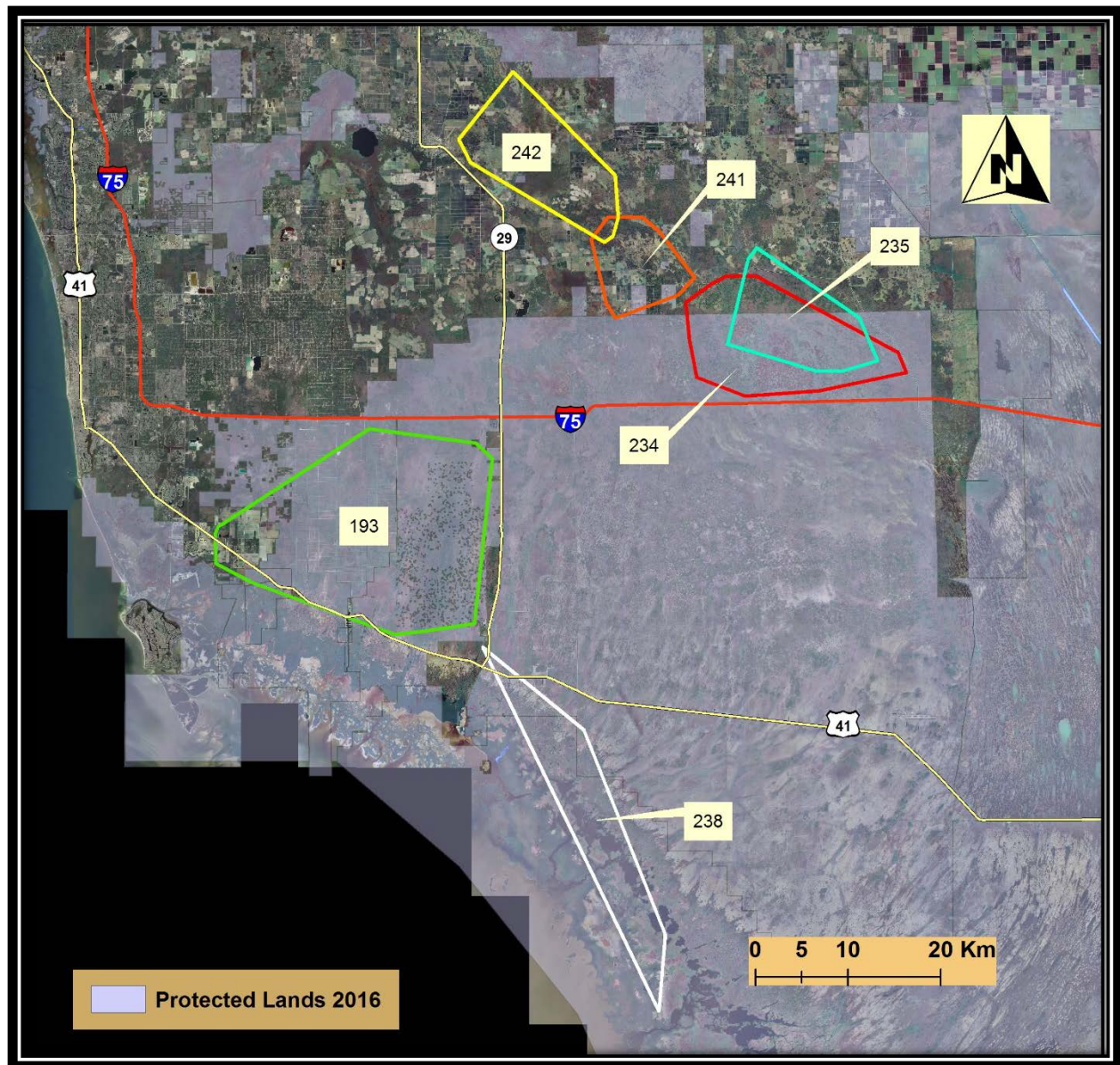


Figure 4. Depiction of the 100% minimum convex polygon home ranges for adult and subadult male Florida panthers monitored by FWC from 1 July 2015 to 30 June 2016. Male panthers FP233 and 243 are not included on this map because of an insufficient number of locations (< 2) collected during the FY. Locations for male panther FP232 are depicted in Figure 2. Data collected via aerial telemetry by FWC.

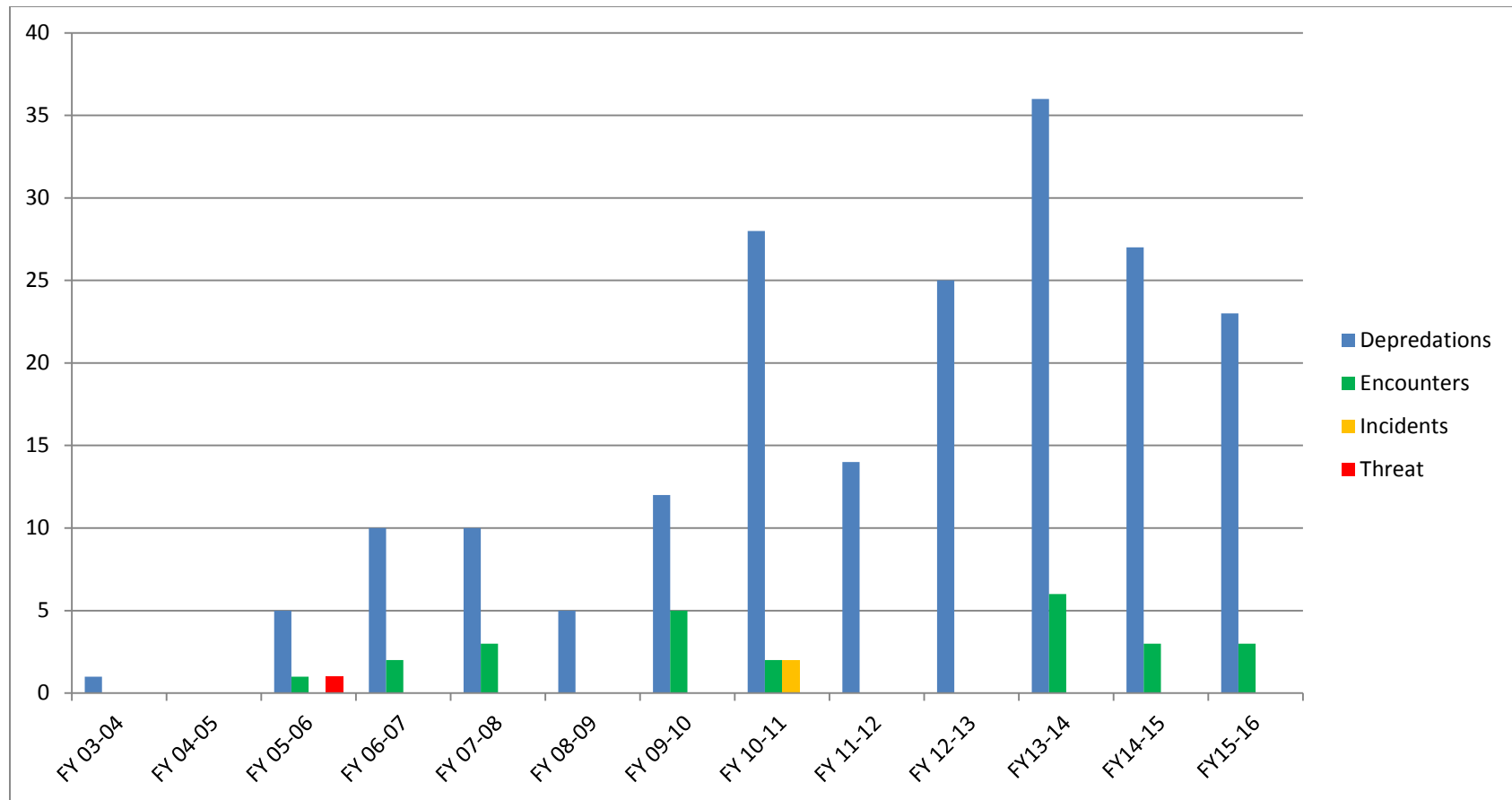


Figure 5. Confirmed human-panther interactions from FY 2003-2004 through 2015-2016. Note: Data in FY 2011-2012 and FY 2012-2013 includes five and six depredations of domestic animals, respectively, that involved radiotagged calves monitored as part of the UF-IFAS calf mortality study. Definitions of conflict categories can be found in Appendix C of the USFWS Environmental Assessment for the [“Interagency Florida Panther Response Plan”](#).

Appendix I. List of radiocollared Florida panthers and Texas pumas in southern Florida from 10 February 1981 to 30 June 2016. Data includes panthers captured by FWC and BCNP staff.

Panther ID ^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area ^b	Death date	Cause of death ^c
FP01	M	10 Feb 1981	10	-	-	-	FSPSP	14 Dec 1983	Vehicle (SR 84 mm 18)
FP02	M	20 Feb 1981	10	-	-	-	FSPSP	28 Nov 1984	Intraspecific aggression
FP03	F	23 Jan 1982	9	-	-	-	FSPSP	17 Jan 1983	Capture
FP04	M	27 Jan 1982	7-8	-	-	-	FSPSP	18 Apr 1985	Vehicle (SR 84 mm17)
FP05	F	23 Feb 1982	7-8	-	-	-	FPNWR	18 Nov 1983	Unknown
FP06	M	27 Feb 1982	6-8	-	-	-	SBCNP	16 Apr 1982	Unknown
FP07	M	02 Mar 1982	6-7	-	-	-	SBCNP, FSPSP	26 Oct 1985	Vehicle (SR 29 C. prison)
FP08	F	25 Mar 1984	9-10	-	-	-	FSPSP	20 Aug 1988	Liver failure, old age
FP09	F	26 Jan 1985	3-4	-	-	-	FSPSP	♦	Collar failed 8/8/1997
FP10	M	15 Jan 1986	5 mo.	Aug 1985	FP09	-	GG Estates, FSPSP	27 Jan 1987	Intraspecific aggression
FP11	F	21 Jan 1986	4-5	-	-	-	NBCNP, Private (Price's)	25 Feb 2001	Intraspecific aggression
FP12	M	28 Jan 1986	5	-	-	-	NBCNP, FPNWR, FSPSP	8 Nov 1994	Intraspecific aggression
FP13	M	27 Feb 1986	4-5	-	-	-	NBCNP, Private (Alico)	14 Dec 1987	Vehicle (SR 29 Sunniland)
FP14	F	07 Dec 1986	5-6	-	-	-	EVER	21 Jun 1991	Unknown
FP15	F	13 Dec 1986	5-6	-	-	-	EVER	10 Jun 1988	Intraspecific aggression
FP16	M	12 Jan 1987	12-14 mo.	-	FP14	-	EVER, SBCNP	3 Jan 2000	Unknown
FP17	M	20 Jan 1987	6-7	-	-	-	SBCNP, NBCNP	20 Jul 1990	Unknown
FP18	F	22 Jan 1987	7-8	-	-	-	Private (Gum Swamp, Scofields), BCSIR	1 Oct 1990	Intraspecific aggression
FP19	F	09 Feb 1987	9 mo.	May 1986	FP11	FP12	NBCNP, Private (Prices), FPNWR	2 Dec 1997	Aortic aneurysm
FP20	M	10 Mar 1987	3-4	-	-	-	Private (Alico), NBCNP	24 Aug 1988	Heart defect

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP21	F	16 Mar 1987	12-14 mo.	-	FP14	-	EVER, White Oak	26 Dec 1997	Vehicle/Captivity/Old age
FP22	F	18 Mar 1987	5-6 mo.	-	FP15	-	EVER	20 Jul 1991	Infection
FP23	F	18 Mar 1987	5-6 mo.	-	FP15	-	EVER, SBCNP	25-26 Nov 2000	Unknown
FP24	M	30 Jan 1988	3-4	-	-	-	Highlands Co.	22 Aug 1988	Unknown
FP25	M	16 Feb 1988	4-5	-	-	-	FPNWR	26 Aug 1988	Intraspecific aggression
FP26	M	01 Mar 1988	5-6	-	-	-	BCSIR, NBCNP	8 Jul 1994	Intraspecific aggression
FP27	F	11 Apr 1988	2-3	-	-	-	EVER	23 Jul 1989	Unknown
FP28	M	29 Nov 1988	1.5	-	-	-	Private (Ft. Myers, Lake Hicpochee, Gum Swamp), NBCNP	25 Sep 1992	Intraspecific aggression
FP29	M	03 Jan 1989	6.5 mo.	May 1988	FP11	FP20	NBCNP, Private (Gum Swamp)	27 May 1992	Pseudorabies
FP30	M	06 Jan 1989	9 mo.	Mar 1988	FP19	FP13	NBCNP, Private (Prices), FPNWR, FSPSP	29 Jan 1990	Intraspecific aggression
FP31	F	12 Jan 1989	7-9	-	-	-	FPNWR	3 Mar 1994	Vehicle (SR 29 Sunniland)
FP32	F	03 Feb 1989	2-2.5	-	-	-	FPNWR	12 Sep 2002	Unknown
FP33	M	05 Mar 1989	1.5-2	-	-	-	SBCNP (Loop Rd.), Private (Gum Swamp)	23 Nov 1989	Rabies
FP34	M	08 Jan 1990	10 mo.	Mar 1989	FP31	FP12	FPNWR, BCSIR, Private (Gum Swamp)	15 Nov 1993	Esophageal puncture
FP35	M	15 Jan 1990	10 mo.	Mar 1989	FP31	FP12	Private (Regency Farms)	24 Jan 1990	Bacterial infection from capture
FP36	F	27 Jan 1990	4-5	-	-	-	NBCNP	10 Oct 1998	Unknown natural causes
FP37	M	30 Jan 1990	3-4	-	-	-	FSPSP, FPNWR, NBCNP	26 Nov 1990	Vehicle (SR 29 Miles City)
FP38	F	08 Feb 1990	4.5	-	-	-	SBCNP, EWMA	4 Aug 1994	Pleuritis in chest
FP39	M	19 Feb 1990	3-4	-	-	-	EVER	18 May 1990	Pyothorax
FP40	F	26 Feb 1990	1.5-2	-	-	-	NBCNP	1 Feb 1998	Intraspecific aggression
FP41	F	28 Feb 1990	1.5-2	-	-	-	NBCNP, BCSIR	22 Sep 1990	Intraspecific aggression
FP42	M	06 Mar 1990	11 mo.	May 1989	FP14	FP16	EVER, SBCNP	22 Jun 1995	Unknown
FP43	M	01 May 1990	9.5 mo.	Jul 1989	FP19	FP12	FPNWR, NBCNP	31 Oct 1991	Intraspecific aggression

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP44	M	30 Apr 1991	6 mo.	Nov 1990	FP40	FP26	NBCNP, Naples, EVER, SBCNP	6 Jul 1993	Intraspecific aggression
FP45	M	08 May 1991	6 mo.	Nov 1990	FP19	FP12	FPNWR, NBCNP, BCSIR	2 Aug 1998	Intraspecific aggression
FP46	M	30 Jan 1992	2-2.5	-	-	-	NBCNP, Private (Gum Swamp), OSSF	3 Feb 1999	Intraspecific aggression
FP47	M	21 Feb 1992	6 mo.	Jul 1991	FP11	FP12	NBCNP, Belle Meade, FSPSP	19 Feb 1993	Intraspecific aggression
FP48	F	24 Feb 1992	4 mo.	Oct 1991	FP31	FP12	NBCNP	23 Oct 2006	Unknown
FP49	F	25 Feb 1992	2	-	-	-	NBCNP	3 Jan 2002	Intraspecific aggression
FP50	M	04 Mar 1992	8 mo.	May 1991	FP36	FP26	NBCNP, Private (Alico, Devils Garden)	6 Dec 1993	Vehicle (CR 846 5 mi E of Immokalee)
FP51	M	26 Mar 1992	3	-	-	-	FSPSP, FPNWR	17 Jul 1998	Vehicle (SR 29)
FP52	F	05 May 1992	6 mo.	Oct 1991	FP31	FP12	FPNWR, Private (Sadie Cypress)	14 Jan 1995	Vehicle (CR 846 & Dupree Rd)
FP53	M	10 Feb 1993	10 mo.	Apr 1992	FP19	FP12	FPNWR	26 Feb 1993	Intraspecific aggression
FP54	M	10 Feb 1993	10 mo.	Mar 1992	FP40	-	FSPSP, FPNWR	♦	Collar failed 10/20/2000
FP55	F	25 Jan 1994	1.1.	Dec 1992	FP23	FP42	SBCNP	12 July 2004	Intraspecific aggression
FP56	F	03 Feb 1994	2-3	-	-	-	NBCNP	♦	Collar failed 2/20/1998
FP57	F	31 Jan 1995	3	-	-	-	FPNWR, FSPSP	♦	Collar failed 4/5/2000
FP58	M	08 Feb 1995	8 mo.	Apr 1994	FP56	-	NBCNP, FPNWR, FSPSP	30 Mar 1997	Intraspecific aggression
FP59	M	04 Jan 1996	6 mo.	Jun 1995	FP48	-	NBCNP, FPNWR, FSPSP	22 Nov 2004	Intraspecific aggression
FP60	M	06 Mar 1996	5 mo.	Oct 1995	FP40	-	NBCNP, FSPSP, FPNWR, SBCNP	14 Dec 2008	Euthanasia (Removed from wild 6/29/2004)
TX101	F	05 Apr 1995	4	-	-	-	BCSIR	29 Mar 2000	Unknown
TX102	F	05 Apr 1995	4	-	-	-	E. Hendry County	22 Sep 1995	Vehicle (CR833 5 mi. N BCSIR)
TX103	F	04 May 1995	4	-	-	-	SBCNP	19 Aug 1999	Metabolic complications from pregnancy
TX104	F	24 Mar 1995	4	-	-	-	FSPSP, Belle Meade	18 Apr 1998	Gunshot
TX105	F	05 Jul 1995	4	-	-	-	EVER	1 July 2014	Renal failure (removed from wild 1/27/2003)
TX106	F	09 Apr 1995	4	-	-	-	PSSF, FPNWR, FSPSP	13 Mar 2012	Cancer (Removed from wild 1/8/2003)

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
TX107	F	04 May 1995	3	-	-	-	SBCNP	18 Jan 2001	Pneumonia
TX108	F	26 Jul 1995	3	-	-	-	EVER	5 Feb 2014	Removed from wild 11/18/2002
FP61	F	04 Mar 1997	8 mo.	Jul 1996	TX108	FP16	EVER	♦	Collar failed 6/4/2003
FP62	M	18 Mar 1997	6.5 mo.	Sep 1996	FP48	-	Catfish Creek, Polk Co.	♦	Collar failed 7/21/2000
FP63	M	13 Apr 1997	2	-	-	-	BCSIR, NBCNP, Private Lands	15 Jan 2000	Vehicle / Drowning
FP64	M	24 May 1997	8 mo.	Sep 1996	FP48	-	CREW (Corkscrew Marsh)	26 Mar 1999	Intraspecific aggression
FP65	M	19 Nov 1997	11 mo.	Dec 1996	TX101	FP45	OSSF, Private (Collier Enterprise)	♦	Collar failed 11/17/2010
FP66	F	09 Dec 1997	1	Dec 1996	TX101	FP45	Belle Meade, FPNWR, Private Lands	3 Sept 2014	Removed from wild 4/13/2014
FP67	F	19 Jan 1998	8 mo.	Jun 1997	FP56	FP45	BCSIR, Private Lands	15 Jan 2003	Intraspecific aggression (FP65)
FP68	M	23 Jan 1998	4.5	-	-	-	NBCNP	1 Mar 2000	Unknown (possible ISA)
FP69	F	05 Feb 1998	9 mo.	May 1997	FP40	FP45	NBCNP	12 Sep 2005	Unknown
FP70	F	25 Feb 1998	10 mo.	May 1997	TX107	-	SBCNP	14 Jan 2006	Vehicle
FP71	F	05 Mar 1998	10 mo.	May 1997	TX107	-	SBCNP	♦	Collar failed 7/22/2005
FP72	M	24 Apr 1998	2.5	-	-	-	BCSIR	23 Dec 1998	Intraspecific aggression
FP73	F	12 Nov 1998	3	Sep 1995	TX101	-	BCSIR	27 June 2003	Unknown
FP74	M	12 Nov 1998	1.5	-	FP73	-	Fisheating Creek, Glades and Highlands Co.	8 Sep 1999	Vehicle (SR 27 north of Palmdale)
FP75	F	11 Jan 1999	7 mo.	Jun 1998	FP48	FP68	NBCNP	♦	Collar failed 4/5/2006
FP76	M	13 Jan 1999	22 mo.	-	-	-	FPNWR, SBCNP	13 Nov 1999	Intraspecific aggression (FP54)
FP77	F	22 Jan 1999	1.5-2	-	-	-	NBCNP, BCSIR	12 July 2003	Unknown
FP78	F	16 Feb 1999	2.0	-	-	-	FPNWR	17 Oct 2002	Intraspecific aggression
FP79	M	03 Mar 1999	3.5	Sep 1995	TX101	-	SBCNP	31 Aug 2012	Removed from wild 2/21/2006
FP80	F	14 Jan 2000	4.0	-	-	-	BCSIR	10 Feb 2000	Vehicle (BCSIR)
FP81	M	14 Jan 2000	4.0	-	-	-	BCSIR, Hendry Co. Private Lands	♦	Collar failed 9/16/2002

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP82	F	25 Jan 2000	3.0	-	-	-	OSSF	9 May 2003	Unknown (possible ISA)
FP83	F	08 Feb 2000	8 mo.	Jun 1999	TX106	FP54	FSPSP	25 Mar 2011	Vehicle (US41)
FP84	M	11 Feb 2000	1.0	-	FP73	-	Dispersed from BCSIR to Fisheating Creek	20 Apr 2000	Unknown
FP85	M	17 Feb 2000	10-11 mo.	Mar 1999	FP61	FP16	EVER	1 Mar 2004	Unknown
FP86	F	21 Feb 2000	8 mo.	Jun 1999	FP71	FP79	SBCNP	7 Nov 2003	Spinal trauma
FP87	F	28 Feb 2000	10 mo.	Apr 1999	FP55	FP79	SBCNP	19 Jun 2003	Intraspecific aggression
FP88	F	02 Mar 2000	9 mo.	Jun 1999	FP70	FP79	SBCNP	♦	Collar failed 10/18/2002
FP89	M	02 Mar 2000	2.5	-	-	-	SBCNP	9 Nov 2000	Intraspecific aggression
FP90	M	08 Mar 2000	9 mo.	Jun 1999	FP71	FP79	SBCNP	26 April 2001	Vehicle (US27 Terrytown)
FP91	F	17 Mar 2000	9 mo.	Jun 1999	FP70	FP79	SBCNP	12 Dec 2003	Intraspecific aggression
FP92	M	06 Apr 2000	10 mo.	Jun 1999	FP70	FP79	SBCNP, Belle Meade, CREW	16 Sep 2001	Unknown
FP93	F	10 Apr 2000	14 mo.	Feb 1999	TX107	FP79	SBCNP	2 Dec 2015	Unknown
FP94	F	01 May 2000	10 mo.	Jul 1999	TX105	FP16	EVER	♦	Collar released 4/16/2007
FP95	F	07 Nov 2000	2.8	Jan 1998	TX108	FP16	EVER	♦	Collar failed 1/9/2008
FP96	M	07 Jan 2001	9 mo.	Apr 2000	FP78	FP59	FPNWR	17 Jan 2002	Intraspecific aggression
FP97	M	19 Jan 2001	11 mo.	-	FP105	-	FPNWR	2 Dec 2001	Intraspecific aggression
FP98	M	25 Jan 2001	3	-	-	-	NBCNP, Hendry Co. Private Lands	1 July 2002	Vehicle (SR29 N of Pistol Pond)
FP99	M	26 Jan 2001	11 mo.	-	FP105	-	FPNWR	28 Nov 2002	Vehicle (CR846 Collier fairgrounds)
FP100	M	31 Jan 2001	4	-	-	-	NBCNP, BCSIR	25 Jan 2007	Unknown
FP101	F	5 Feb 2001	2	-	-	-	NBCNP, BCSIR	♦	Collar failed 10/17/2003
FP102	F	20 Feb 2001	3	Feb 1998	FP55	-	SBCNP	23 Oct 2010	Intraspecific aggression
FP103	F	13 Mar 2001	8 mo.	Aug 2000	FP102	-	SBCNP	8 Aug 2007	Intraspecific aggression
FP104	M	2 Apr 2001	6-7 mo.	-	FP70	FP79	SBCNP	9 Mar 2006	Unknown

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP105	F	12 Apr 2001	6	-	-	-	FPNWR	15 Jan 2002	Unknown
FP106	F	12 Apr 2001	13 mo.	-	FP105	-	FPNWR	20 Feb 2003	Vehicle (SR29 Sunniland)
FP107	F	01 Nov 2001	19 mo.	Apr 2000	FP78	FP59	FPNWR	4 Aug 2008	Unknown
FP108	M	03 Nov 2001	10 mo.	Jan 2001	FP87	FP79	SBCNP	16 Nov 2002	Unknown
FP109	M	10 Feb 2002	10+	-	-	-	OSSF	23 Feb 2003	Intraspecific aggression
FP110	F	13 Feb 2002	13 mo.	Dec 2000	FP82	FP65	OSSF	♦	Collar failed 10/8/2014
FP111	M	14 Feb 2002	10	-	-	-	OSSF	4 Sep 2002	Intraspecific aggression
FP112	F	25 Feb 2002	3-4	-	-	-	NBCNP	11 Sep 2002	Intraspecific aggression
FP113	F	23 Oct 2002	6 mo.	Apr 2002	FP78	FP59	FPNWR	♦	Collar failed 10/19/2012
FP114	M	23 Oct 2002	6 mo.	Apr 2002	FP78	FP59	FPNWR	17 Oct 2003	Intraspecific aggression
FP115	F	26 Nov 2002	4-5	-	-	-	OSSF	17 May 2003	Pneumonia (FeLV)
FP116	F	20 Jan 2003	7 mo.	Jun 2002	FP67	-	Hendry Co. Private Lands	10 Jan 2007	Intraspecific aggression
FP117	M	25 Feb 2003	11 mo.	-	-	-	BCSIR	28 Jul 2004	Pseudorabies
FP118	F	5 Mar 2003	11 mo.	-	-	-	BCSIR	3 Apr 2003	Pseudorabies
FP119	M	2 Apr 2003	1	Apr 2002	FP93	FP79	FPNWR, FSPSP	♦	Collar failed 2/9/2011
FP120	F	8 Apr 2003	3	-	-	-	SBCNP	7 May 2005	Vehicle (US 41 Turner River)
FP121	F	2 Dec 2003	2.5	-	-	-	BCSIR	♦	Collar released 8/2/2006
FP122	F	30 Jan 2004	2-2.5	-	-	-	OSSF	13 Feb 2004	Pneumonia (FeLV)
FP123	M	2 Feb 2004	3.5	-	-	-	OSSF	15 Mar 2004	Intraspecific aggression
FP124	F	13 Feb 2004	3-4	-	-	-	SBCNP	♦	Collar failed 8/22/2008
FP125	M	13 Feb 2004	8 mo.	-	FP124	-	SBCNP, EVER	♦	Collar found 9/28/2004
FP126	M	13 Feb 2004	8 mo.	-	FP124	-	SBCNP, OSSF	1 Jan 2005	Intraspecific aggression
FP127	M	16 Feb 2004	2	-	-	-	SBCNP	14 Mar 2008	Intraspecific aggression

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP128	F	18 Feb 2004	3.7	Jun 2000	FP77	-	BCSIR, NBCNP	27 Sept 2007	Unknown
FP129	F	20 Feb 2004	3.1	Jan 2001	FP87	FP79	SBCNP	22 Mar 2006	Intraspecific aggression
FP130	M	4 Mar 2004	9.5 mo.	May 2003	FP110	-	OSSF, FEC, BWWMA	21 Mar 2007	Vehicle (I-4 Reedy Creek)
FP131	M	10 Mar 2004	5	-	-	-	FPNWR	16 Apr 2008	Pneumonia
FP132	M	17 Mar 2004	3	-	-	-	OSSF, DIRWMA	22 Jul 2004	Feline leukemia
FP133	M	18 Nov 2004	4.5	-	-	-	NBCNP, SBCNP	27 Feb 2012	Intraspecific aggression
FP134	M	14 Dec 2004	2.5	-	-	-	NBCNP	29 Jan 2007	Intraspecific aggression
FP135	M	17 Dec 2004	1.7	Apr 2003	FP101	FP65	FPNWR, Private Lands	27 Oct 2006	Intraspecific aggression/euthanized
FP136	F	13 Jan 2005	3.5	-	-	-	SBCNP	13 Jun 2005	Spinal fracture
FP137	M	25 Jan 2005	2.5	-	-	-	OSSF, Private Lands, DIRWMA, SWWMA	♦	Collar failed 9/4/2009
FP138	M	31 Jan 2005	4	-	-	-	SBCNP, BCSIR, NBCNP	12 May 2008	Unknown
FP139	M	31 Mar 2005	2.9	May 2002	FP75	FP100	OSSF, Private Lands	♦	Collar released 8/24/2005
FP140	F	14 Nov 2005	3.5	-	-	-	FPNWR	7 Jun 2009	Intraspecific aggression
FP141	M	30 Nov 2005	3.5	-	-	-	BCSIR, NBCNP	3 Jan 2011	Unknown
FP142	F	14 Dec 2005	2.5	-	-	-	EVER	♦	Collar failed 7/11/2007
FP143	M	9 Jan 2006	1.5	-	-	-	BCSIR, Private Lands	♦	Collar failed 7/30/2007
FP144	M	8 Feb 2006	2	-	-	-	NBCNP	21 Jun 2010	Intraspecific aggression
FP145	F	16 Feb 2006	1.7	-	-	-	SBCNP	♦	Collar failed 5/25/2012
FP146	M	27 Feb 2006	3	-	-	-	PSSF	♦	Collar released 7/16/2008
FP147	M	3 Mar 2006	11 mo.	Mar 2005	FP129	-	SBCNP, FSPSP, PSSF, RBNER	♦	Collar failed 8/29/2007
FP148	F	24 Mar 2006	2.5	-	-	-	PSSF	20 Mar 2015	Intraspecific aggression
FP149	F	17 Jan 2007	2	-	-	-	PSSF	♦	Collar released 5/11/2007
FP150	F	8 Feb 2007	3.6	Jul 2003	FP93	FP60	SBCNP	♦	Collar failed 6/6/2008

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP151	F	10 Feb 2007	4.9	Apr 2002	FP93	FP79	SBCNP	♦	Collar failed 5/19/2016
FP152	M	16 Feb 2007	4-5	-	-	-	SBCNP	22 Oct 2008	Intraspecific aggression
FP153	F	19 Feb 2007	6	-	-	-	SBCNP	16 June 2015	Unknown
FP154	M	21 Feb 2007	3	-	-	-	FPNWR	♦	Collar failed 4/2/2008
FP155	M	29 Nov 2007	2.5	-	-	-	OSSF, Private Lands	8 Sept 2008	Unknown
FP156	M	7 Dec 2007	2.5	-	-	-	PSSF, North Belle Meade	29 Jul 2011	Pseudorabies
FP157	M	19 Dec 2007	3	-	-	-	LCPA, CREW (Flint Pen)	9 Apr 2008	Intraspecific aggression
FP158	F	21 Jan 2008	2.5	-	-	-	PSSF, CSSP, RBNERR	22 May 2010	Vehicle
FP159	M	29 Jan 2008	5-6	-	-	-	LCPA, CREW (Flint Pen, Bird Rook), CSS	27 Apr 2015	Unknown
FP160	F	5 Feb 2008	5	-	-	-	CREW (Corkscrew Marsh), CSS	♦	Collar failed 11/12/2008
FP161	F	10 Feb 2008	3.7	May 2004	FP70	-	SBCNP	♦	Collar failed 5/8/2014
FP162	F	18 Feb 2008	3	-	-	-	SBCNP	6 May 2016	Intraspecific Aggression
FP163	M	21 Feb 2008	1	Feb 2007	FP93	-	SBCNP, NBCNP, Private Lands	25 April 2014	Vehicle
FP164	M	24 Feb 2008	2	-	-	-	SBCNP	30 Jun 2008	Unknown
FP165	M	24 Nov 2008	1	-	-	-	OSSF, DIRWMA, Private Lands	♦	Collar failed 9/14/2009
FP166	M	30 Jan 2009	4-5	-	-	-	BCSIR, Private Lands	5 Oct 2009	Intraspecific aggression
FP167	M	6 Feb 2009	2.5	-	-	-	BCSIR, Private Lands	♦	Collar failed 11/25/2009
FP168	F	9 Feb 2009	7	-	-	-	CREW (Flint Pen), LCPA	12 Oct 2010	Intraspecific aggression
FP169	M	25 Feb 2009	4-5	-	-	-	SBCNP	21 May 2010	Vehicle
FP170	F	26 Feb 2009	2.5	-	-	-	PSSF, FSPSP	28 Feb 2011	Intraspecific aggression
FP171	M	27 Feb 2009	2-3	-	-	-	SBCNP, NBCNP	♦	Collar failed 7/18/2011
FP172	F	19 Nov 2009	5	-	-	-	NBCNP	22 Mar 2010	Intraspecific aggression
FP173	M	21 Jan 2010	4	-	-	-	CREW, PIMB, LCPA	22 Dec 2010	Pseudorabies

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP174	M	26 Jan 2010	4	-	-	-	PSSF	16 Mar 2010	Vehicle
FP175	F	7 Feb 2010	2.5	Jul 2007	FP150	-	NBCNP, SBCNP	24 Jan 2014	Peritonitis
FP176	M	8 Feb 2010	3-4	-	-	-	OSSF, SWWMA	17 Nov 2010	Vehicle
FP177	M	9 Feb 2010	3	Mar 2007	FP113	FP119	NBCNP	16 Jul 2014	Intraspecific aggression
FP178	F	10 Feb 2010	2	-	-	-	NBCNP	♦	Collar failed 7/2/2014
FP179	M	14 Feb 2010	5	-	-	-	SBCNP	♦	Collar failed 5/5/2010
FP180	F	21 Feb 2010	2	Feb 2008	FP151	-	SBCNP	-	-
FP181	M	28 Feb 2010	9	Mar 2001	TX106	FP60	SBCNP, FSPSP, PSSF	♦	Collar failed 8/2/2010
FP182	F	1 Mar 2010	1	Feb 2009	FP161	-	SBCNP	11 Dec 2012	Vehicle
FP183	M	3 Nov 2010	4.5	-	-	-	FPNWR, FSPSP	25 Feb 2015	Vehicle
FP184	F	8 Nov 2010	3-4	-	-	-	NBCNP, Private Lands	26 Apr 2013	Intraspecific aggression
FP185	F	15 Nov 2010	1.5-2	-	-	-	Private Lands east of County Line Rd	-	-
FP186	M	10 Jan 2011	7 mo.	-	-	-	CREW-Flint Pen, Bird Rookery Swamp	30 May 2011	Intraspecific aggression
FP187	M	5 Feb 2011	7	-	-	-	SBCNP	♦	Collar failed 3/27/2015
FP188	F	8 Feb 2011	3	-	-	-	Alico Grove north of CREW Marsh	10 Sept 2011	Unknown
FP189	M	14 Feb 2011	3	-	-	-	NBCNP, FPNWR, Private Lands	5 Jan 2012	Intraspecific aggression
FP190	F	14 Feb 2011	5	-	-	-	SBCNP	♦	Collar failed 12/21/2012
FP191	F	26 Feb 2011	12	Feb 1999	TX107	FP79	SBCNP	13 Feb 2015	Unknown
FP192	F	2/28/2011	1.7	Jul 2009	FP170	-	SBCNP	♦	Collar failed 12/14/2015
FP193	M	7 Mar 2011	2-2.5	-	-	-	PSSF, CSSP, Private Lands	-	-
FP194	M	30 Oct 2010	5 mo.	May 2010	FP102	-	SBCNP	13 Jan 2012	Intraspecific aggression
FP195	F	30 Nov 2011	3.5	-	-	-	PSSF	-	-
FP196	F	20 Jan 2012	2	-	-	-	PSSF	6 Oct 2012	Vehicle

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP197	M	25 Jan 2012	4	-	-	-	CREW/LCPA	18 Jul 2012	Unknown
FP198	F	8 Feb 2012	4	-	-	-	CREW/LCPA	-	-
FP199	F	9 Feb 2012	2	-	-	-	NBCNP	-	-
FP200	M	2 Nov 1984	3-5	-	-	-	Injured by vehicle on US41	3 June 1994	“Big Guy”. Died in captivity
FP201▲	M	20 Feb 1991	7 mo.	July 1990	FP31	FP12	FPNWR, SBCNP	11 Mar 1997	Released, unknown cause of death
FP202▲	M	22 Feb 1991	7 mo.	July 1990	FP9	FP37	FSPSP	10 Feb 2002	Died in captivity
FP203▲	M	25 Feb 1991	7 mo.	July 1990	FP9	FP37	FSPSP, SBCNP	26 Feb 1997	Released, intraspecific aggression
FP204▲	F	27 Feb 1991	7 mo.	July 1990	FP31	FP12	FPNWR	28 July 2009	Died in captivity
FP205▲	F	3 May 1991	6 mo.	Dec 1990	FP19	-	FPNWR	11 October 1992	Died in captivity
FP206▲	F	6 May 1991	6 mo.	Dec 1990	FP40	-	Private Lands	2 May 1992	Died in captivity
FP207▲	M	4 Mar 1992	8-10 mo.	Jun 1991	FP36	-	Nobles Ranch	10 Sept 2007	Died in captivity
FP208▲	F	25 May 1992	12-14 days	May 1992	FP32	FP12	FPNWR	18 Feb 2007	Died in captivity
FP209▲	F	20 Aug 1992	10 days	Aug 1992	FP23	FP42	SBCNP	16 Jan 2004	Died in captivity
FP210▲	M	20 Aug 1992	10 days	Aug 1992	FP23	FP42	SBCNP	9 Oct 2008	Died in captivity
FP211	M	10 Feb 2012	2	-	-	-	NBCNP	21 May 2012	Intraspecific aggression
FP212	M	13 Feb 2012	3	-	-	-	OSSF	18 May 2012	Intraspecific aggression
FP213	F	15 Feb 2012	2.5	-	-	-	OSSF	31 Dec 2014	Intraspecific aggression
FP214	F	17 Feb 2012	3-4	-	-	-	SBCNP	-	-
FP215	F	23 Feb 2012	6.8	Apr 2005	FP113	FP131/133	FPNWR	22 Jun 2016	Unknown
FP216	M	11 Mar 2012	1	-	-	-	SBCNP	◆	Collar released 2/10/2014
FP217	F	7 Jan 2013	5	-	-	-	OSSF	-	-
FP218	F	24 Jan 2013	2.5	-	-	-	OSSF/Private	◆	Collar released 1/15/2014
FP219	F	23 Sep 2011	5 mo.	May 2011	FP188	-	FSPSP/PSSF/Captive	18 Sep 2015	Vehicle

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP220	F	4 Feb 2013	6	Feb 2007	FP93	-	SBCNP	-	-
FP221	F	22 Feb 2013	9-10 mo.	-	-	-	SBCNP	♦	Collar failed 5/19/2016
FP222	F	26 Feb 2013	8	-	-	-	FPNWR	23 Oct 2015	Vehicle
FP223	M	23 Sep 2011	5 mo.	May 2011	FP188	-	Private Lands/ Captive	4 Jan 2014	Pneumonia
FP224	F	13 May 2013	8-9 mo.	-	-	-	Golden Gate Estates/ Captive	-	-
FP225	M	15 Jan 2014	20 mo.	-	-	-	NBCNP	♦	Collar failed 3/13/2015
FP226	F	15 Jan 2014	5	-	-	-	NBCNP	♦	Collar released 11/12/2014
FP227	M	10 Feb 2014	2-3	-	-	-	NBCNP	♦	Collar failed 12/24/2014
FP228	M	20 Feb 2014	4	-	-	-	NBCNP	17 Mar 2014	Vehicle
FP229	F	27 Feb 2014	3-4	-	-	-	NBCNP	14 Nov 2014	Unknown
FP230	M	8 Mar 2014	5-6	-	-	-	SBCNP	♦	Collar failed 7/29/2014
FP231	M	24 Mar 2014	2	-	-	-	Clam Pass, Naples	4 Aug 2014	Unknown
FP232	M	15 Apr 2014	2.5	-	-	-	Ft. Meade/ Captive /Central Florida	♦	Collar failed 10/7/2015
FP233	M	6 Jan 2015	1.5	-	-	-	NBCNP	♦	Collar released 7/15/2015
FP234	M	7 Jan 2015	9-10	-	-	-	NBCNP	-	-
FP235	M	8 Jan 2015	4	-	-	-	NBCNP/BCSIR	♦	Collar released 8/3/2015
FP236	M	16 Jan 2015	6-7	-	-	-	CREW	♦	Collar failed 7/18/2015
FP237	M	20 Jan 2015	10-12 mo.	-	-	-	CREW	30 Mar 2015	Intraspecific aggression
FP238	M	3 Feb 2015	1.5-2	-	-	-	RBNER/PSSF/SBCNP	♦	Collar failed 10/2/2015
FP239	F	12 Feb 2015	11 mo.	-	-	-	SBCNP	-	-
FP240	F	18 Feb 2015	2	Dec 2012	FP151	-	SBCNP	10 Aug 2015	Intraspecific aggression
FP241	M	12 Jan 2016	7-8	-	-	-	Immokalee Ranch	-	-
FP242	M	20 Jan 2016	9-10	-	-	-	Immokalee Ranch	-	-

Panther ID^a	Sex	Capture date	Estimated age at first capture	Birth date	Dam	Purported sire	Use area^b	Death date	Cause of death^c
FP243	M	12 Apr 2016	2	-	-	-	Farmworkers Village, Captive , SBCNP, NBCNP, BCSIR, Captive	-	-

^aFP denotes panthers captured for radiocollaring. TX denotes female Texas pumas released in 1995 as part of the genetic introgression project.

^bBCSIR = Big Cypress Seminole Indian Reservation; BWWMA=Babcock Webb Wildlife Management Area; CREW = Corkscrew Regional Ecosystem Watershed; CSS = Corkscrew Swamp Sanctuary; CSSP = Collier Seminole State Park; DIRWMA = Dinner Island Ranch Wildlife Management Area; EVER = Everglades National Park; EWMA; Everglades Wildlife Management Area; FEC=Fisheating Creek; FPNWR = Florida Panther National Wildlife Refuge; FSPSP = Fakahatchee Strand Preserve State Park; LCPA = Lee County Port Authority Mitigation Area; NBCNP = Big Cypress National Preserve north of Interstate 75; OSSF = Okaloacoochee Slough State Forest; PIMB=Panther Island Mitigation Bank; PSSF = Picayune Strand State Forest/Wildlife Management Area; RBNR = Rookery Bay National Estuarine Research Reserve; SBCNP = Big Cypress National Preserve south of Interstate 75; SWWMA = Spirit of the Wild Wildlife Management Area.

^cISA = Intraspecific aggression

♦ Telemetry collar either failed or was released (via timed or remote release mechanisms) prior to the death of the animal.

♠ Panthers removed from the wild for a captive breeding program from 1991-1992. Program was eventually dissolved in favor of genetic restoration.

Appendix II. List of Florida panther kittens handled at natal dens in southern Florida by FWC and BCNP staff from 7 April 1992 through 30 June 2016. Litters are sorted chronologically.

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K1	FP40	4/7/1992	M	None	14-21	FP28	2/10/1993	FP54
K2	FP40	4/7/1992	M	None	14-21	FP28		
K3	FP40	6/18/1993	M	None	21	FP26		
K4	FP40	6/18/1993	F	None	21	FP26		
K5	FP40	6/18/1993	F	None	21	FP26		
K6	FP48	10/30/1993	M	None	8	FP12		
K7	FP48	10/30/1993	F	None	8	FP12		
K8	FP48	10/30/1993	F	None	8	FP12		
K9	FP56	4/21/1994	M	None	14	Unknown		
K10	FP56	4/21/1994	F	None	14	Unknown		
K11	FP56	4/21/1994	M	None	14	Unknown		
K12	FP19	5/17/1994	F	None	14-17	FP51		
K13	FP19	5/17/1994	F	None	14-17	FP51		
K14	FP55	4/8/1995	F	None	12	FP42		
K15	FP55	4/8/1995	F	None	12	FP42		
K16	FP48	6/20/1995	M	12A4640	12	Unknown	1/7/1996	FP59
K17	FP48	6/20/1995	F	129FE45	12	Unknown		
K18	TX101	10/10/1995	F	F82665	21	Unknown	11/12/1998	FP73
K19	TX101	10/10/1995	M	F79CB9	21	Unknown	3/3/1999	FP79
K20	FP56	10/31/1995	M	762141	14	FP45		
K21	FP56	10/31/1995	M	632448	14	FP45		
K22	FP56	10/31/1995	M	F6642F	14	FP45		
K23	TX106	12/1/1995	F	11DFD74	21	FP51		
K24	FP36	2/6/1996	F	12AB55F	14	FP45		
K25	FP36	2/6/1996	M	1147C9B	14	FP45		
K26	FP36	2/6/1996	M	11DF0DA	14	FP45		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
UCFP44 ^a	FP36	2/6/1996	U	none	Unknown	Unknown		
UCFP24	FP32	3/18/1996	F	dead not marked	10-14	Unknown		
K27	FP19	4/17/1996	F	114DAFE (11363DC)	24	FP54/FP51		
K28	FP19	4/17/1996	F	11EOD50	24	FP54/FP51		
K29	FP56	8/14/1996	U	11EAB72T	14	FP45		
K30	FP56	8/14/1996	U	1142876	14	FP45		
K31	FP48	9/18/1996	M	7037C2	14-17	Unknown	3/18/1997	FP62
K32	FP48	9/18/1996	M	11EA2EC	14-17	Unknown	5/24/1997	FP64
K33	FP48	9/18/1996	M	6FFD52	14-17	Unknown		UCFP50
K34	TX105	10/4/1996	F	11EAO30T	30-35	FP16		
K35	TX101	12/21/1996	M	12AFFBF	4	FP45	11/19/1997	FP65
K36	TX101	12/21/1996	F	142581A	4	FP45	12/9/1997	FP66
K37	FP40	5/14/1997	M	1146911	21	FP45		
unmarked1 ^b	FP40	2/5/1998	F	none	270	Unknown	2/5/1998	FP69
K38	TX107	6/4/1997	F	1311B3B	30+	Unknown	3/5/1998	FP71
K39	TX107	6/4/1997	F	771B4D	30+	Unknown	2/25/1998	FP70
K40	FP56	6/17/1997	M	1412E16	25-28	FP45		
K41	FP56	6/17/1997	F	14259BF	25-28	FP45		
K42	FP56	6/17/1997	F	1425A07	25-28	FP45	1/19/1998	FP67
K43	FP56	6/17/1997	M	12C2B93	25-28	FP45		
K44	FP55	10/2/1997	M	12A9E4AT	25-30	Unknown		
K45	TX108	2/11/1998	F	1D1DFDOT	21	FP16	11/7/2000	FP95
K46	TX108	2/11/1998	M	143E96ET	21	FP16		
K47	TX106	2/17/1998	M	1D3E32OT	7-10	FP54		
K48	FP55	2/25/1998	F	121134F	14	Unknown	2/20/2001	FP102
K49	FP55	2/25/1998	F	1D2B3AET	14	Unknown		
K50	FP55	2/25/1998	M	12A94A6T	14	Unknown		
K51	FP48	6/27/1998	M	1D2A504T	28	Unknown		
unmarked3 ^c	FP48	1/11/1999	F	00013C2DC7T	7 months	Unknown	1/11/1999	FP75

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K52	FP66	10/2/1998	M	1D21638T	12	FP72		
K53	FP66	10/2/1998	F	1C49E48T	12	FP72		
K54	FP66	10/2/1998	M	1D2CBC3T	12	FP72		
K55	FP49	2/23/1999	M	1211046	25	Unknown		
K56	TX107	3/11/1999	F	1327679T	21+	FP79	2/26/2011	FP191
K57	TX107	3/11/1999	M	14245FOT	21+	FP79		
K58	TX107	3/11/1999	F	12A9FE5T	21+	FP79	4/10/2000	FP93
K59	FP61	4/6/1999	M	1EFF6EFT	14	FP16	2/17/2000	FP85
K60	FP55	5/10/1999	F	1EFFA75T	24-26	FP79	2/28/2000	FP87
K61	FP55	5/10/1999	M	1EFF978T	24-26	FP79		
K62	TX106	6/18/1999	F	114C9D7T	14	FP54/FP60		
K63	TX106	6/18/1999	F	12AFC11T	14	FP54/FP60	2/8/2000	FP83
K64	FP70	6/23/1999	F	1E2EB33T	10-12	FP79	3/2/2000	FP88
K65	FP70	6/23/1999	M	703A4AT	10-12	FP79	4/6/2000	FP92
K66	FP70	6/23/1999	F	1EFFF55T	10-12	FP79	3/17/2000	FP91
K67	FP71	7/4/1999	M	1E2EBFET	17	FP79	3/8/2000	FP90
K68	FP71	7/4/1999	F	20509A9T	17	FP79	2/21/2000	FP86
K69	FP71	7/4/1999	M	1E2F6B7T	17	FP79		
K70	FP71	7/4/1999	F	1E2DF2BT	17	FP79		
K71	FP69	8/1/1999	M	1E2F276T	7	Unknown		
K72	FP69	8/1/1999	F	1F07255T	7	Unknown		
K73	FP69	8/1/1999	F	1FO14C2T	7	Unknown		
K74	FP48	10/25/1999	F	1EFFF38T	14-17	FP63,FP68		
K75	FP48	10/25/1999	F	1FO1BEDT	14-17	FP63,FP68		
K76	FP66	12/24/1999	M	1D2C5F6T	14	FP60		
K77	FP66	12/24/1999	F	1F00067T	14	FP60		
K78	FP66	12/24/1999	F	1E2F2D6T	14	FP60		
K79	FP78	4/26/2000	F	1D1CDD8T	10-14	FP59	11/1/2001	FP107
K80	FP78	4/26/2000	M	1F07DD7T	10-14	FP59	1/7/2001	FP96

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K81	FP77	6/27/2000	M	1D3B75CT	28	Unknown		
K82	FP77	6/27/2000	F	1433F77T	28	Unknown	2/18/2004	FP128
K83	FP77	6/27/2000	M	1D3A078T	28	Unknown		
K84	FP67	8/19/2000	M	143F34DT	12	Unknown		
K85	FP67	8/19/2000	F	1E2E834T	12	Unknown		
K86	FP82	1/3/2001	F	1E2F17ET	14	FP65	2/13/2002	FP110
K87	FP82	1/3/2001	F	1E2EFB7T	14	FP65		
K88	FP82	1/3/2001	M	1F00D57T	14	FP65		
K89	FP87	2/7/2001	F	20501C5T	14-21	FP79	2/20/2004	FP129
K90	FP87	2/7/2001	M	1E2F06B	14-21	FP79	11/3/2001	FP108
K91	FP87	2/7/2001	M	1F071F4T	14-21	FP79		
K92	TX106	3/17/2001	F	600DBE9	14-16	FP60		
K93	TX106	3/17/2001	M	600CCC4	14-16	FP60	2/28/2010	FP181
K94	FP88	5/25/2001	M	1E2EB3DT	21	Unknown		
K95	FP88	5/25/2001	F	1EFF463T	21	Unknown		
K96	FP88	5/25/2001	M	1F00576T	21	Unknown		
K97	FP88	5/25/2001	F	204F878T	21	Unknown		
K98	FP67	5/26/2001	F	11D5AFD	21	Unknown		UCFP49
K99	FP67	5/26/2001	M	1248B13T	21	Unknown		
K100	FP67	5/26/2001	M	600EFAF	21	Unknown		
K101	FP67	5/26/2001	M	600E363	21	Unknown		
K102	FP75	6/15/2001	M	600E58A	10-12	FP59		
K103	FP75	6/15/2001	M	6000FA1	10-12	FP59		
K104	FP55	6/28/2001	M	1EFFFC5T	17	Unknown		
K105	FP102	7/12/2001	M	1E2DFA4T	21	FP79		
K106	FP102	7/12/2001	M	600E036	21	FP79		
K107	FP49	8/27/2001	M	000600F828	21	Unknown		
K108	FP77	8/30/2001	M	000600F0EA	30	Unknown		
K109	FP73	3/3/2002	M	000600FD77	7	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K110	FP73	3/3/2002	M	0001E2D9E2T	7	Unknown		
K111	FP73	3/3/2002	F	000600A2C9	7	Unknown		
K112	FP95	4/21/2002	F	0001E2E9D3T	25	FP85		
unmarked2 ^d	FP95	not marked	U	none	Unknown	FP85		
K113	FP93	4/23/2002	F	0001EFF813T	18	FP79	2/10/2007	FP151
K114	FP93	4/23/2002	F	000600CC53	18	FP79		
K115	FP93	4/23/2002	M	0001F071E4T	18	FP79	4/2/2003	FP119
K116	FP93	4/23/2002	F	0001F01C76T	18	FP79		
K117	FP78	4/30/2002	F	000600CDB3	21	FP59		
K118	FP78	4/30/2002	F	000600DB01	21	FP59		
K119	FP78	4/30/2002	F	000600E3E3	21	FP59	10/23/2002	FP113
K120	FP78	4/30/2002	M	0001F01D1CT	21	FP59	10/23/2002	FP114
K121	FP101	5/9/2002	M	000204F9EAT	10	Unknown		
K122	FP101	5/9/2002	F	0001E2D6FDT	10	Unknown		
K123	FP83	5/12/2002	M	000631AED6	28	Unknown		
K124	FP106	5/27/2002	F	0001F003A0T	10	Unknown		
K125	FP106	5/27/2002	M	0001D2CBC4T	10	Unknown		
K126	FP106	5/27/2002	M	0001E2E8F6T	10	Unknown		
K127	FP55	5/30/2002	F	000600EAD2	10	FP79		
K128	FP75	6/6/2002	M	000600E84B	10	FP100/FP98		
K129	FP75	6/6/2002	M	00060101BC	10	FP100/FP98	3/31/2005	FP139
K130	FP112	6/15/2002	M	0001EFF497T	7	FP100/FP98		
K131	FP112	6/15/2002	M	000600E4CE	7	FP100/FP98		
K132	FP67	6/18/2002	F	000600D0F1	10	Unknown	1/20/2003	FP116
K133	FP67	6/18/2002	M	000600EBA8	10	Unknown		
K134	FP67	6/18/2002	M	000600E776	10	Unknown		
K135	FP107	7/7/2002	M	0006010509	9-10	Unknown		
K136	FP107	7/7/2002	F	000600F465	9-10	Unknown		
K137	FP102	7/19/2002	F	0006318229	15	FP79		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K138	FP102	7/19/2002	M	000630E287	15	FP79		
K139	FP61	9/27/2002	F	000204FBC3T	10	Unknown		
K140	FP61	9/27/2002	M	000600D0D4	10	Unknown		
K141	FP61	9/27/2002	M	000600F2F8	10	Unknown		
K142	FP61	9/27/2002	F	0001D29A56T	10	Unknown		
K143	FP87	3/25/2003	F	000600DD57	15	FP79		
K144	FP87	3/25/2003	M	ID not recorded	15	FP79		
K145	FP87	3/25/2003	F	ID not recorded	15	FP79		
K146	FP101	4/19/2003	F	00062EDF9D	10	FP65/FP100		
K147	FP101	4/19/2003	M	0006328F81	10	FP65/FP100	12/17/2004	FP135
K148	FP101	4/19/2003	F	00062E2A15	10	FP65/FP100		
K149	FP110	6/3/2003	F	000600F8DE	6-10	Unknown		
K150	FP110	6/3/2003	M	000600CCD1	6-10	Unknown	3/4/2004	FP130
K151	FP110	6/3/2003	F	000600C049	6-10	Unknown		
K152	FP93	8/5/2003	F	000600037C	21	FP60	2/8/2007	FP150
K153	FP93	8/5/2003	M	0005FFE2D6	21	FP60		
K154	FP93	8/5/2003	M	0006000B2A	21	FP60		
K155	FP120	2/7/2004	F	0005FFEB0A	14	Unknown		
K156	FP120	2/7/2004	M	0005FFE0DA	14	Unknown		
K157	FP75	3/21/2004	M	0006327AC0	23	Unknown		
K158	FP75	3/21/2004	M	000632781C	23	Unknown		
K159	FP75	3/21/2004	F	00062EE361	23	Unknown		
K160	FP116	5/1//2004	F	0006479F70	14	FP65		
K161	FP116	5/1//2004	F	000647D7A6	14	FP65		
K162	FP116	5/1//2004	M	0006485640	14	FP65		
K163	FP107	5/21/2004	M	0006327255	7	Unknown		
K164	FP107	5/21/2004	M	0006326E04	7	Unknown		
K165	FP107	5/21/2004	F	000632227C	7	Unknown		
K166	FP107	5/21/2004	F	000647A475	7	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K167	FP70	6/6/2004	F	00064DBAB1	12	Unknown		
K168	FP70	6/6/2004	M	00064DAB32	12	Unknown		
K169	FP70	6/6/2004	F	00064D7C86	12	Unknown	2/10/2008	FP161
K170	FP102	8/5/2004	F	00064DEB7D	15	FP79		
K171	FP102	8/5/2004	M	00064DDEEA	15	FP79		
K172	FP102	8/5/2004	F	00064D918C	15	FP79		
K173	FP121	9/1/2004	F	0006000738	14	Unknown		
UCFP67	FP113	9/2/2004	F	dead not marked	< 7	Unknown		
K174	FP124	9/29/2004	M	000647D79D	21+	Unknown		
K175	FP124	2/10/2005	M	0005FFF5E1	14	Unknown		
K176	FP124	2/10/2005	M	00064D67F9	14	Unknown		
K177	FP124	2/10/2005	F	0006000D6B	14	Unknown		
K178	FP110	3/7/2005	M	000601E07A	12	Unknown		
K179	FP110	3/7/2005	F	00064DD051	12	Unknown		
K180	FP107	3/15/2005	F	000600E4BB	14	FP119/FP131		
K181	FP107	3/15/2005	F	000600F978	14	FP119/FP131		
K182	FP129	4/6/2005	F	0006482822	10	Unknown		
K183	FP129	4/6/2005	M	00064DE502	10	Unknown		
K184	FP129	4/6/2005	M	00064D7610	10	Unknown	3/3/2006	FP147
K185	FP113	4/20/2005	F	000647B5F9	15	FP131/FP133	2/23/2012	FP215
K186	FP113	4/20/2005	F	000647AE5B	15	FP131/FP133		
K187	FP116	6/19/2005	M	00064D6A85	22	Unknown		
K188	FP116	6/19/2005	F	000647AEEEE6	22	Unknown		
K189	FP116	6/19/2005	M	000647BC03	22	Unknown		
K190	FP128	7/21/2005	M	64D816A	24	Unknown		
K191	FP128	7/21/2005	M	647C7FE	24	Unknown		
K192	FP75	8/7/2005	M	000647CDE9	7	FP135		
K193	FP75	8/7/2005	F	00064DB63B	7	FP135		
K194	FP75	8/7/2005	F	00064DAC56	7	FP135		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K195	FP75	8/7/2005	M	000600E8A6	7	FP135		
K196	FP110	11/1/2005	M	00063DE442	21	Unknown		
K197	FP110	11/1/2005	M	00063DA510	21	Unknown		
K198	FP110	11/1/2005	M	00064339FD	21	Unknown		
K199	FP110	11/1/2005	F	000643666C	21	Unknown		
K200	FP107	2/17/2006	F	0006009668	6	FP131		
K201	FP107	2/17/2006	M	000600F274	6	FP131		
K202	FP121	3/5/2006	F	000600DAB4	14	Unknown		
K203	FP121	3/5/2006	M	000600B508	14	Unknown		
K204	FP121	3/5/2006	M	0006483B07	14	Unknown		
K205	FP94	6/22/2006	F	00064DA2F2	18	Unknown		
K206	FP94	6/22/2006	M	00063D8B9D	18	Unknown		
K207	FP94	6/22/2006	F	00063DD7D8	18	Unknown		
K208	FP145	6/23/2006	F	000647B5DA	12	FP138		
K209	FP145	6/23/2006	F	00064ECCA4	12	FP138		
K210	FP145	6/23/2006	F	000672579C	12	FP138		
K211	FP93	7/1/2006	F	0064068FF	18	FP133		
K212	FP93	7/1/2006	F	00647879D	18	FP133		
K213	FP93	7/1/2006	F	0064D988C	18	FP133		
K214	FP95	7/3/2006	F	00064D852D	10	Unknown		
K215	FP95	7/3/2006	F	00064D5EDC	10	Unknown		
K216	FP95	7/3/2006	M	000647C887	10	Unknown		
K217	FP102	7/12/2006	M	000672358E	18	FP138		
K218	FP102	7/12/2006	M	000671CA33	18	FP138		
K219	FP140	11/15/2006	F	006435A2B	9-11	FP119		
K220	FP140	11/15/2006	M	0006436824	9-11	FP119		
K221	FP148	1/18/2007	F	000647D2EE	21	FP146		
K222	FP148	1/18/2007	M	00064DC433	21	FP146		
K223	FP148	1/18/2007	F	00064E23C	21	FP146		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K224	FP124	2/17/2007	M	64EED68	9	Unknown		
K225	FP124	2/17/2007	M	64E00C9	9	Unknown		
K226	FP93	3/8/2007	M	6712488	16	Unknown		
K227	FP93	3/8/2007	M	64DF113	16	Unknown	2/21/2008	FP163
K228	FP93	3/8/2007	F	64EO84F	16	Unknown	2/4/2013	FP220
K229	FP110	3/20/2007	F	0006327849	10-12	FP137		
K230	FP110	3/20/2007	M	00063DD906	10-12	FP137		
K231	FP110	3/20/2007	F	00063DC6F3	10-12	FP137		
K232	FP110	3/20/2007	M	00063218EB	10-12	FP137		
K233	FP113	3/25/2007	F	00063DC1F0	7	FP119		
K234	FP113	3/25/2007	M	00063DC585	7	FP119		
K235	FP113	3/25/2007	M	0006439AB7	7	FP119	2/9/2010	FP177
K236	FP103	4/4/2007	F	0006722801	24	FP127		
K237	FP103	4/4/2007	F	00067142C6	24	FP127		
K238	FP103	4/4/2007	M	000671D047	24	FP127		
K239	FP149	4/13/2007	F	00063DCBCC	11-13	Unknown		
K240	FP149	4/13/2007	F	000631A816	11-13	Unknown		
K241	FP151	4/21/2007	M	67245C4	16	Unknown		
K242	FP151	4/21/2007	F	67216AA	16	Unknown		
K243	FP151	4/21/2007	F	64E6E50	16	Unknown		
K244	FP145	4/26/2007	M	6718E19	16	FP133		
K245	FP145	4/26/2007	M	6718AEE	16	FP133		
K246	FP145	4/26/2007	F	6722453	16	FP133		
K247	FP107	4/27/2007	F	0006437F96	10-12	Unknown		
K248	FP107	4/27/2007	M	0006435576	10-12	Unknown		
K249	FP107	4/27/2007	F	dead not marked	10-12	Unknown		
K250	FP128	5/12/2007	M	0006435419	10-12	Unknown		
K251	FP128	5/12/2007	M	0006434A69	10-12	Unknown		
K252	FP128	5/12/2007	F	0006433EFA	10-12	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K253	FP150	7/20/2007	M	6726F07	18	Unknown		
K254	FP150	7/20/2007	F	671F6F3	18	Unknown	2/7/2010	FP175
K255	FP150	7/20/2007	F	67231E8	18	Unknown		
K256	FP150	7/20/2007	F	671E895	18	Unknown		
K257	FP110	8/10/2007	M	0006439E20	13-15	Unknown		
K258	FP110	8/10/2007	M	000643422C	13-15	Unknown		
K259	FP151	8/27/2007	M	dead not marked	17-20	Unknown		
K260	FP151	8/27/2007	U	dead not marked	17-20	Unknown		
K261	FP107	9/25/2007	M	000643530F	10-14	Unknown		
K262	FP107	9/25/2007	M	0006435247	10-14	Unknown		
K263	FP107	9/25/2007	M	00063DC5C2	10-14	Unknown		
K264	FP151	3/4/2008	F	6957DE2	21	Unknown	2/21/2010	FP180
K265	FP151	3/4/2008	M	695B244	21	Unknown		
K266	FP140	5/2/2008	M	00063DF3C8	7	FP154		
K267	FP140	5/2/2008	M	00063DEAA1	7	FP154		
K268	FP162	5/23/2008	F	dead not marked	14	FP138		
K269	FP162	5/23/2008	M	dead not marked	14	FP138		
K270	FP158	6/7/2008	F	6435FEC	14-17	FP146		
K271	FP158	6/7/2008	M	6435381	14-17	FP146		
K272	FP158	6/7/2008	M	642652B	14-17	FP146		
K273	FP158	6/7/2008	M	643824C	14-17	FP146		
K274	FP153	7/20/2008	F	695849E	14	Unknown		
K275	FP153	7/20/2008	M	695ACE5	14	Unknown		
K276	FP153	7/20/2008	M	6958EAA	14	Unknown		
K277	FP161	2/25/2009	M	698B098	16	Unknown		
K278	FP161	2/25/2009	M	69581FC	16	Unknown		
K279	FP161	2/25/2009	F	6959939	16	Unknown	3/1/2010	FP182
K280	FP162	5/7/2009	F	695AOB3	25-27	Unknown		
K281	FP153	7/8/2009	M	671F728	30	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K282	FP153	7/8/2009	M	6958DCD	30	Unknown		
K283	FP168	7/21/2009	M	0006483E5C	7	Unknown		
K284	FP168	7/21/2009	M	0006434DB7	7	Unknown		
K285	FP170	7/28/2009	M	00063DF972	22	Unknown		
K286	FP170	7/28/2009	M	00063DE7FC	22	Unknown		
K287	FP170	7/28/2009	F	000600E52E	22	Unknown	2/28/2011	FP192
K288	FP172	2/20/2010	M	00063DDEB6	15	Unknown		
K289	FP172	2/20/2010	M	0006435874	15	Unknown		
K290	FP172	2/20/2010	M	0006436050	15	Unknown		
K291	FP145	2/25/2010	F	00069577CI	28	Unknown		
K292	FP145	2/25/2010	M	000695BO19	28	Unknown		
K293	FP145	2/25/2010	F	00067214F1	28	Unknown		
K294	FP162	3/23/2010	M	6957879	14	FP133		
K295	FP162	3/23/2010	F	695A869	14	FP133		
K296	FP162	3/23/2010	F	695A5CF	14	FP133		
K297	FP148	4/13/2010	F	00063DFB49	14	Unknown		
K298	FP148	4/13/2010	F	0006436575	14	Unknown		
K299	FP148	4/13/2010	M	0006435550	14	Unknown		
K300	FP161	5/26/2010	M	000695AD83	16	Unknown		
K301	FP161	5/26/2010	F	0006723CE4	16	Unknown		
K302	FP161	5/26/2010	F	000695B151	16	Unknown		
K303	FP102	6/6/2010	M	0006958363	21	Unknown		
K304	FP102	6/6/2010	M	000695A272	21	Unknown	11/29/2011	FP194
K305	FP178	6/22/2010	M	0006434D2E	14-17	Unknown		
K306	FP178	6/22/2010	M	000643461A	14-17	Unknown		
K307	FP113	7/15/2010	F	0001EFF852	5-7	Unknown		
K308	FP113	7/15/2010	M	000643352E	5-7	Unknown		
K309	FP113	7/15/2010	F	0006439939	5-7	Unknown		
K310	FP175	8/2/2010	F	0006959F9E	18	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K311	FP175	8/2/2010	F	0006959B00	18	Unknown		
K312	FP110	8/4/2010	F	0006436660	10-12	Unknown		
K313	FP110	8/4/2010	F	00063DCB00	10-12	Unknown		
K314	FP110	8/4/2010	M	00064359C2	10-12	Unknown		
K315	FP148	1/17/2011	M	0006433EE1	12	Unknown		
K316	FP148	1/17/2011	M	0006437C54	12	Unknown		
K317	FP178	1/27/2011	M	0006436F25	12-14	Unknown		
K318	FP178	1/27/2011	M	00063DECC8	12-14	Unknown		
K319	FP175	1/27/2011	M	0006959F88	21	Unknown		
K320	FP175	1/27/2011	F	000695A8A8	21	Unknown		
K321	FP113	3/9/2011	M	00063460F7	21	Unknown		
K322	FP162	4/15/2011	F	0006959680	19	Unknown		
K323	FP162	4/15/2011	M	000695A73E	19	Unknown		
K324	FP162	4/15/2011	M	0006959FC4	19	Unknown		
K325	FP162	4/15/2011	M	000695A29B	19	Unknown		
K326	FP184	4/26/2011	M	0006483D1B	12	Unknown		
K327	FP184	4/26/2011	M	00064DB286	12	Unknown		
K328	FP184	4/26/2011	F	000631C890	12	Unknown		
K329	FP184	4/26/2011	M	000647B1C4	12	Unknown		
K330	FP182	4/29/2011	M	0006959053	14	Unknown		
K331	FP182	4/29/2011	M	000695823A	14	Unknown		
K332	FP182	4/29/2011	F	0006957B55	14	Unknown		
K333	FP182	4/29/2011	M	0006958665	14	Unknown		
K334	FP188	5/26/2011	F	0001D3E191T	18	Unknown	1/31/2013	FP219
K335	FP188	5/26/2011	M	00012AA1A2	18	Unknown	4/3/2013	FP223
K336	FP188	5/26/2011	M	0001E2E62ET	18	Unknown		
K337	FP145	6/9/2011	M	00069584D5	12	Unknown		
K338	FP145	6/9/2011	F	000695B041	12	Unknown		
K339	FP145	6/9/2011	F	00069580FE	12	Unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K340	FP151	6/10/2011	F	000695B062	21	FP187		
K341	FP151	6/10/2011	M	0006957B2E	21	FP187		
K342	FP113	8/7/2011	F	000631A606	25	Unknown		
K343	FP110	12/15/2011	F	000631FC2A	10-14	Unknown		
K344	FP110	12/15/2011	F	0006321ECF	10-14	Unknown		
K345	FP145	2/16/2012	M	000695AFBA	24	Unknown		
K346	FP145	2/16/2012	F	000695A522	24	Unknown		
K347	FP145	2/16/2012	M	0006958FF1	24	Unknown		
K348	FP153	2/19/2012	M	000695ACD5	9	Unknown		
K349	FP153	2/19/2012	M	00066957F4D	9	Unknown		
K350	FP153	2/19/2012	M	000695A8EO	9	Unknown		
K351	FP153	2/19/2012	M	0006959029	9	Unknown		
K352	FP195	3/3/2012	M	0006328CF1	12	Unknown		
K353	FP191	3/28/2012	M	0007136AE7	14	Unknown		
K354	FP192	4/15/2012	M	0007138FD0	21	Unknown		
K355	FP192	4/15/2012	M	0007135EE2	21	Unknown		
K356	FP192	4/15/2012	M	000713972D	21	Unknown		
K357	FP161	4/25/2012	F	0007136CC3	14	Unknown		
K358	FP161	4/25/2012	M	000695ABF6	14	Unknown		
K359	FP161	4/25/2012	M	0006958D4E	14	Unknown		
K360	FP161	4/25/2012	F	0007136DC5	14	Unknown		
K361	FP190	5/14/2012	F	0007138138	20	Unknown		
K362	FP190	5/14/2012	M	0007136F0C	20	Unknown		
K363	FP190	5/14/2012	F	00071368E2	20	Unknown		
K364	FP213	6/5/2012	M	00063DFC55	6	Unknown		
K365	FP213	6/5/2012	F	00063DD656	6	Unknown		
K366	FP213	6/5/2012	M	0006319AC9	6	Unknown		
K367	FP162	6/26/2012	M	000695B179	22	FP187		
K368	FP162	6/26/2012	F	0006E37AD8	22	FP187		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K369	FP178	7/7/2012	F	0006F3DB0E	20	unknown		
K370	FP178	7/7/2012	F	0006E758B9	20	unknown		
K371	FP178	7/7/2012	F	0006E7713A	20	unknown		
K372	FP191	7/11/2012	F	0007138363	14	FP187		
K373	FP175	7/18/2012	F	0006F3D4BC	14	unknown		
K374	FP175	7/18/2012	M	0006F3E3A0	14	unknown		
K375	FP175	7/18/2012	M	0006E7876A	14	unknown		
K376	FP180	8/6/2012	M	0006E3AF4C	18	unknown		
K377	FP180	8/6/2012	M	0007136BD2	18	unknown		
K378	FP180	8/6/2012	M	0007137F02	18	unknown		
K379	FP198	10/9/2012	M	0006F3F8DC	12	FP197		
K380	FP198	10/9/2012	M	0006EE4539	12	FP197		
K381	FP198	10/9/2012	M	0006E78830	12	FP197		
K382	FP198	10/9/2012	F	0006E76595	12	FP197		
K383	FP161	12/11/2012	M	0006959E24	16	unknown		
K384	FP161	12/11/2012	F	0006E373C9	16	unknown		
K385	FP151	1/2/2013	F	000695A4ED	17	unknown	2/18/2015	FP240
K386	FP151	1/2/2013	F	000695830A	17	unknown		
K387	FP192	2/26/2013	M	0007138FC0	19	unknown		
K388	FP192	2/26/2013	M	0006957EEB	19	unknown		
K389	FP148	3/10/2013	M	0006F3D86E	18	unknown		
K390	FP148	3/10/2013	F	0006E7807F	18	unknown		
K391	FP148	3/10/2013	F	0006EE3A7F	18	unknown		
K392	FP215	3/21/2013	F	0006E777C2	13	unknown		
K393	FP215	3/21/2013	F	0006E76F0F	13	unknown		
K394	FP218	5/23/2013	M	0006E766AC	14	unknown		
K395	FP218	5/23/2013	M	0006EE21A2	14	unknown		
K396	FP218	5/23/2013	F	0006F3FA62	14	unknown		
K397	FP218	5/23/2013	F	0006E75162	14	unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K398	FP219	6/22/2013	F	0006E75AD7	30	unknown		
K399	FP213	9/10/2013	F	0006F3C3B4	21	unknown		
K400	FP213	9/10/2013	M	0006F3D29F	21	unknown		
K401	FP199	9/28/2013	F	0006E75E37	21	unknown		
K402	FP199	9/28/2013	M	0006E7833D	21	unknown		
K403	FP198	12/11/2013	F	0006F3D86D	18-20	159		
K404	FP198	12/11/2013	M	0006327768	18-20	159		
K405	FP198	12/11/2013	M	0001D278E9	18-20	159		
K406	FP220	3/13/2014	F	0006959321	21+	unknown		
K407	FP220	3/13/2014	M	0006959907	21+	unknown		
K408	FP220	3/13/2014	F	0007136A30	21+	unknown		
K409	FP178	3/22/2014	F	0006E752BD	17	unknown		
K410	FP178	3/22/2014	M	0006E75237	17	unknown		
K411	FP215	3/29/2014	M	0006E7740A	21	unknown		
K412	FP215	3/29/2014	F	0006E759F2	21	unknown		
K413	FP162	4/10/2014	M	00071386E3	28-35	unknown		
K414	FP162	4/10/2014	F	00071396F8	28-35	unknown		
K415	FP162	4/10/2014	M	0006E398E0	28-35	unknown		
K416	FP217	4/15/2014	F	0006F3DB91	6	unknown		
K417	FP217	4/15/2014	M	00066E75239	6	unknown		
K418	FP213	4/30/2014	F	0006EE38CC	21	unknown		
K419	FP213	4/30/2014	M	0006E75165	21	unknown		
K420	FP213	4/30/2014	F	0006E75309	21	unknown		
K421	FP229	5/7/2014	M	0006E7870C	14	unknown		
K422	FP229	5/7/2014	M	0006F3F496	14	unknown		
K423	FP229	5/7/2014	F	0006E7577A	14	unknown		
K424	FP221	5/31/2014	M	00069599FB	14	unknown		
K425	FP221	5/31/2014	M	0007135E88	14	unknown		
K426	FP222	6/24/2014	M	0006DE76D4	9	unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K427	FP222	6/24/2014	F	0006E7796A	9	unknown		
K428	FP222	6/24/2014	F	0006DE5FB4	9	unknown		
K429	FP162	8/17/2014	M	0006957D11	12	unknown		
K430	FP162	8/17/2014	M	00071386FA	12	unknown		
K431	FP162	8/17/2014	F	0007138A25	12	unknown		
K432	FP219	9/22/2014	F	0006EE2F81	23	unknown		
K433	FP219	9/22/2014	F	0006F3FCOE	23	unknown		
K434	FP219	9/22/2014	F	0006E7DCDC	23	unknown		
K435	FP226	10/12/2014	F	0006E75367	12	FP177		
K436	FP226	10/12/2014	F	0006E77032	12	FP177		
K437	FP224	2/1/2015	M	0006E773F9	17	unknown		
K438	FP224	2/1/2015	M	0006EE1F04	17	unknown		
K439	FP224	2/1/2015	F	0006DE7DD9	17	unknown		
K440	FP224	2/1/2015	M	0006EE4A0B	17	unknown		
K441	FP192	3/23/2015	M	00074FFB31	18	unknown		
K442	FP192	3/23/2015	M	000728A80A	18	unknown		
K443	FP240	6/10/2015	F	00071366D8	12	FP187		
K444	FP240	6/12/2015	M	0007137658	14	FP187		
K445	FP240	6/12/2015	M	0007135F8F	14	FP187		
K446	FP199	6/12/2015	M	0006E78648	21	unknown		
K447	FP199	6/12/2015	M	0006E77B7E	21	unknown		
K448	FP180	9/17/2015	F	000728885D	19	unknown		
K449	FP180	9/17/2015	M	0006E3B8D0	19	unknown		
K450	FP198	10/28/2015	F	0006E75DB5	11	unknown		
K451	FP198	10/28/2015	M	0006E7672F	11	unknown		
K452	FP214	3/3/2016	M	00074F8594	20	unknown		
K453	FP214	3/3/2016	M	00071371B1	20	unknown		
K454	FP185	3/9/2016	F	0006DE7EDE	12	unknown		
K455	FP185	3/9/2016	F	0006E78822	12	unknown		

Kitten ID	Dam ID	Date marked	Sex	Transponder ID	Estimated age in days	Purported field sire	Date collared	Eventual panther ID
K456	FP185	3/9/2016	F	0006E771CB	12	unknown		
K457	FP221	3/27/2016	M	00071364A3	25	unknown		
K458	FP221	3/27/2016	M	0007136044	25	unknown		
K459	FP180	5/2/2016	F	00072838B8	14	unknown		
K460	FP180	5/2/2016	F	000728E7C8	14	unknown		
K461	FP180	5/2/2016	F	00072875A0	14	unknown		
K462	FP195	5/10/2016	M	0006E7759A	40	unknown		

^a The remains of a sibling to K24-26 were found at the den site. Condition of the carcass made sex identification impossible.

^b This kitten was not observed or marked at the den, but was captured at the carcass of the dam on 2/5/1998. Eventually released into the wild as FP69.

^c This kitten was not observed or marked at the den, but was captured near FP48 and collared as FP75 on 1/11/1999. Reunited with FP48 the following day.

^d FP95 was observed with 2 kittens from the air on 1/2, 3/31, and 4/1/2003, verifying that at least 1 littermate of K112 was not recorded on 4/21/2002.

Appendix III. List of all known dens of radiocollared female Florida panthers and Texas pumas in southern Florida from June 1985 to June 2016.

Kitten numbers preceded with “K” indicate natal den was visited. Samples are ordered by female ID and secondarily by year. Data collected by FWC and BCNP.

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP009	Jun-1985	S Golden Gate Estates	Unknown	1	FP10♂ den not visited	Unknown
FP009	Jun-1987	FSPSP	Hardwood hammock	1	den not visited	FP12
FP009	May-1989	FSPSP	Mixed swamp	Unknown	den not visited	Unknown
FP009	Jul-1990	FSPSP	Mixed swamp	2	FP202♂, FP203♂ den not visited	FP37
FP009	Jun-1993	FSPSP	Hardwood hammock	Unknown	den not visited	FP51
FP011	May-1986	BCNP - Bear Island	Pine/palmetto	3	FP19♀ den not visited	FP12
FP011	May-1988	BCNP - Bear Island	Pine/palmetto	1	FP29♂ den not visited	FP20
FP011	Apr-1990	BCNP - Bear Island	Palmetto/oaks	1	♀(roadkill) den not visited	FP12
FP011	Jul-1991	Price's	Unknown	1	FP47♂ den not visited	FP12
FP011	Mar-1993	BCNP - Bear Island	Unknown	Unknown	den not visited	FP12
FP014	Apr-1989	Long Pine Key	Pine/palmetto	2	FP42♂, den not visited	FP16
FP014	Mar-1991	Long Pine Key	Pine/palmetto	Unknown	den not visited	FP16
FP015	May-1988	Long Pine Key	Vines/ferns	Unknown	den not visited	FP16
FP019	Mar-1988	Price's	Pine/palmetto	4	FP30♂ den not visited	FP13
FP019	Jul-1989	FPNWR	Palmetto, myrtle	1	FP43♂ den not visited	FP12
FP019	Nov-1990	Rock Spring Island	Pine/palmetto	2	FP205♀, FP45♂ den not visited	FP12
FP019	Mar-1992	NE Hog Pond	Pine/palmetto	2	UCFP21♀, FP53♂ den not visited	FP12
FP019	May-1994	FPNWR	Mixed swamp	2	K12♀, K13♀	FP51
FP019	Mar-1996	Barfield's	Cypress swamp	2	K27♀, K28♀	FP54, FP51
FP023	Aug-1992	SBCNP-Raccoon Point	Pine/palmetto	2	FP209♀, FP210♂	FP42
FP023	Dec-1992	SBCNP-Raccoon Point	Pine/palmetto	1	FP55♀ den not visited	FP42
FP031	Mar-1989	Catherine Island	Pine/palmetto	3	FP34♂, FP35♂ den not visited	FP12
FP031	Jul-1990	Regency Farms	Palmetto/myrtle	2	FP201♂, FP204♀ den not visited	FP12
FP031	Sep-1991	Barfield's	Palmetto	2	FP48♀, FP52♀ den not visited	FP12
FP032	Mar-1989	Catherine Island	Pine/palmetto	Unknown	den not visited	Unknown
FP032	May-1992	FPNWR	Palmetto	1	FP208♀	FP12
FP032	Mar-1996	FPNWR	Pine/palmetto	1	UCFP24 (Dead ♀)	Unknown
FP036	Mar-1990	BCSIR	Pine/palmetto	Unknown	den not visited	Unknown
FP036	May-1991	BCNP - Addition Lands	Palmetto	2	FP207♂, FP50♂ den not visited	FP26

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP036	Oct-1993	N of BCSIR	Pine/palmetto	1	den not visited	FP26, FP34
FP036	Jun-1995	Canoe Lake Strand	Mixed swamp	Unknown	den not visited	FP45
FP036	Jan-1996	Wilson Cypress	Hardwood hammock	4	K24♀, K25♂, K26♂, UCFP44	FP45
FP040	Nov-1990	BCNP-Baker's Grade	Hardwood/Schinus	2	FP206♀, FP44♂ den not visited	FP26
FP040	Mar-1992	BCNP-Baker's Grade	Pine/palmetto	2	FP54♂, K02♂	FP28
FP040	May-1993	BCNP-Baker's Grade	Cypress, cabbage	3	K03♂, K04♀, K05♀	FP26
FP040	Apr-1997	BCNP - Addition Lands	Pine/palmetto	2	FP69♀, K37♂	FP45
FP040	Sep-1995 ^b	Unknown	Unknown	1	FP60♂, ♀ tracks, den not visited	Unknown
FP048	Oct-1993	BCNP - Bear Island	Palmetto	3	K06♂, K07♀, K08♀	FP12
FP048	Jun-1995	Dozier Hammock	Palmetto	2	FP59♂, K17♀	Unknown
FP048	Sep-1996	NE Doctor's Hammock	Pine/palmetto	3	FP62♂, FP64♂, UCFP50♂	Unknown
FP048	Jun-1998	BCNP - Bear Island	Pine/palmetto	2	K51♂, FP75♀	FP68 or FP45
FP048	Oct-1999	BCNP - Bear Island	Pine/palmetto	2	K74♀, K75♀(abandoned)	FP63 or FP68
FP049	Jan-1999	BCNP - Addition Lands	Unknown	1	K55♂	Unknown
FP049	Jul-2001	BCNP - Addition Lands	Unknown	1	K107♂	Unknown
FP052	Jul-1993	Sadie Cypress	Palmetto	2	1♂ (roadkill) den not visited	FP46
FP052	Jul-1994	Sadie Cypress	Hardwood hammock	Unknown	den not visited	Unknown
FP055	Apr-1995	BCNP	Pine/palmetto	2	K14♀, K15♀	FP42
FP055	Sep-1997	SBCNP - N Burns Lake	Palmetto	1	K44♂	Unknown
FP055	Feb-1998	SBCNP - N Monument Lake	Palmetto	3	FP102♀, K49♀, K50♂	Unknown
FP055	Apr-1999	BCNP	Palmetto	2	FP87♀, K61♂	Unknown
FP055	Jun-2001	SBCNP - NE Airplane Prairie	Palmetto	1	K104♂	FP79
FP055	May-2002	BCNP	Pine/palmetto	1	K127♀	FP79
FP055	Sep-2003	BCNP	Pine/cabbage	Unknown	den not visited	Unknown
FP056	Apr-1994	BCNP-Baker's Grade	Pine/palmetto	3	K09♂, K10♀, K11♂	Unknown
FP056	Oct-1995	North BCSIR	Sawgrass marsh	3	K20♂, K21♂, K22♂	FP45
FP056	Jul-1996	North BCSIR	Fern bed	2	K29♀?, K30♀	FP45
FP056	May-1997	BCNP-Baker's Grade	Unknown	4	K40♂, K41♀, K43♂, FP67♀	FP45
FP057	Jun-1998	FSPSP	Palmetto	Unknown	den not visited	FP54
FP061	Mar-1999	Long Pine Key	Pine/palm	1	FP85♂	FP16
FP061	Sep-2002	EVER - East	Sawgrass marsh	4	K139♀, K140♂, K141♂, K142♀	Unknown
FP066	Sep-1998	Belle Meade	Palmetto	3	K52♂, K53♀, K54♂	FP72
FP066	Dec-1999	Private lands	Hardwood hammock	3	K76♂, K77♀, K78♀	FP60
FP067	Aug-2000	Private lands	Pine/palmetto	2	K84♂, K85♀	Unknown
FP067	May-2001	Private lands	Hardwood hammock	4	K98♀, K99♂, K100♂, K101♂	Unknown

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP067	Jun-2002	Private lands	Brazilian pepper	3	FP116♀, K133♂, K134♂	Unknown
FP069	Jul-1999	BCNP - NE of Baker's Camp	Hardwood hammock	3	K71♂, K72♀, K73♀	Unknown
FP070	Jun-1999	SBCNP-NE of Monument Lk	Pine/palmetto	3	FP88♀, FP92♂, FP91♀	FP79
FP070	May-2004	SBCNP - Turner River Unit	Palmetto/vines	3	K167♀, K168♂, FP161♀	Unknown
FP071	Jun-1999	BCNP	Mixed swamp	4	FP90♂, FP86♀, K69♂, K70♀	FP79
FP073	Aug-1997 ^c	BCSIR	Unknown	1	FP74♂ den not visited	Unknown
FP073	Feb-1999	BCSIR	Pine/palmetto	1	FP84♂ den not visited	Unknown
FP073	Feb-2002	BCNP - Addition Lands	Pine/palmetto	3	K109♂, K110♂, K111♀	Unknown
FP075	Apr-2000	Private lands	Hardwood hammock	Unknown	den not visited	Unknown
FP075	Jun-2001	NBCNP - Bear Island	Pine/palmetto	2	K102♂, K103♂	FP59
FP075	May-2002	NBCNP - Bear Island	Pine/palmetto	2	K128♂, K129♂	FP98, FP100
FP075	Mar-2004	NBCNP - Bear Island	Pine/palmetto	3	K157♂, K158♂, K159♀	Unknown
FP075	Aug-2005	NBCNP - Bear Island	Hardwood hammock	4	K192♂, K193♀, K194♀, K195♂	FP135
FP077	May-2000	BCNP - Addition Lands	Palmetto/vines	3	K81♂, K82♀, K83♂	Unknown
FP077	Aug-2001	BCNP - Addition Lands	Pine/palmetto	1	K108♂	Unknown
FP078	Apr-2000	FPNWR	Palmetto/oak	2	FP107♀, FP96♂	FP59
FP078	Apr-2002	FPNWR	Palmetto	4	K117♀, K118♀, K119♀, K120♂	FP59
FP082	Dec-2000	OSSF	Unknown	3	K86♀, K87♀, K88♂	FP65
FP083	Apr-2002	FSPSP	Pine/palmetto	1	K123♂	Unknown
FP083	Jun-2004	FSPSP	Pine/palmetto	Unknown	den not visited	Unknown
FP087	Jan-2001	SBCNP	Pine/palmetto	3	K89♀, FP108♂, K91♂	FP79
FP087	Mar-2003	SBCNP - N of Oasis	Pine/palmetto	3	K143♀, K144♂, K145♀	FP79
FP088	May-2001	SBCNP - Loop Unit	Cypress/ferns	4	K94♂, K95♀, K96♂, K97♀	Unknown
FP093	Apr-2002	SBCNP - Turner River Unit	Pine/palmetto	4	FP151♀, K114♀, FP119♂, K116♀	FP79
FP093	Jul-2003	SBCNP - Turner River Unit	Hardwood hammock	3	FP150♀, K153♂, K154♂	FP60
FP093	Jun-2006	SBCNP - Turner River Unit	Tropical hardwood	3	K211♀, K212♀, K213♀	FP133
FP093	Feb-2007	SBCNP - Turner River Unit	Pine/palmetto	3	K226♂, FP163♂, FP220♀	Unknown
FP094	Jun-2006	EVER - CIA hammock	Hardwood hammock	3	K205♀, K206♂, K207♀	Unknown
FP095	Mar-2002	EVER - Long Pine Key	Pine/palmetto	1	K112♀	FP85
FP095	Jun-2006	EVER - Long Pine Key	Hardwood/palmetto	3	K214♀, K215♀, K216♂	Unknown
FP101	Apr-2002	BCSIR	Pine/palmetto	2	K121♂, K122♀	Unknown
FP101	Apr-2003	Private lands	Pine/palmetto	3	K146♀, K147♂, K148♀	FP65/FP100
FP102	Jun-2001	SBCNP - Monument Lake	Pine/palmetto	2	K105♂, K106♂	FP79
FP102	Jul-2002	SBCNP - Monument Lake	Hardwood hammock	2	K137♀, K138♂	FP79
FP102	Jul-2004	SBCNP - Burns Lake	Hardwood hammock	3	K170♀, K171♂, K172♀	FP79

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP102	Jun-2006	SBCNP - Turner River Unit	Hardwood hammock	2	K217♂, K218♂	FP138
FP102	Jun-2010	SBCNP	Pine/palmetto	2	K303♂, K304♂	Unknown
FP103	Apr-2007	SBCNP - Corn Dance	Hardwood hammock	3	K236♀, K237♀, K238♂	FP127
FP106	May-2002	FPNWR	Hardwood hammock	3	K124♀, K125♂, K126♂	Unknown
FP107	Jun-2002	FPNWR	Hardwood hammock	2	K135♂, K136♀	Unknown
FP107	May-2004	FPNWR	Hardwood hammock	4	K163♂, K164♂, K165♀, K166♀	Unknown
FP107	Mar-2005	FPNWR	Hardwood hammock	2	K180♀, K181♀	FP119, FP131
FP107	Feb-2006	FPNWR	Pine/palmetto	2	K200♀, K201♂	FP131
FP107	Apr-2007	FPNWR - Rock Island	Pine/palmetto	3	K247♀, K248♂, K249♀	Unknown
FP107	Sep-2007	FPNWR	Pine/palmetto	3	K261♂, K262♂, K263♂	Unknown
FP110	May-2003	OSSF	Pine/palmetto	3	K149♀, K150♂, K151♀	Unknown
FP110	Feb-2005	OSSF	Pine/palmetto	2	K178♂, K179♀	Unknown
FP110	Nov-2005	OSSF	Hardwood hammock	4	K196♂, K197♂, K198♂, K199♀	Unknown
FP110	Mar-2007	OSSF	Pine/palmetto	4	K229♀, K230♂, K231♀, K232♂	FP137
FP110	Aug-2007	OSSF	Hardwood hammock	2	K257♂, K258♂	Unknown
FP110	Nov-2007	OSSF-Dog Island	Palmetto	Unknown	den not visited	Unknown
FP110	Aug-2010	OSSF	Palmetto	3	K312♀, K313♀, K314♂	Unknown
FP110	Dec-2011	OSSF	Pine/palmetto	2	K343♀, K344♀	Unknown
FP112	Jun-2002	NBCNP - Bear Island	Pine/palmetto	2	K130♂, K131♂	FP98, FP100
FP113	Aug-2004	FPNWR	Pine/palmetto	Unknown	UCFP67	Unknown
FP113	Apr-2005	FPNWR	Pine/palmetto	2	K185♀, K186♀	FP131, FP133
FP113	Mar-2007	FPNWR	Hardwood hammock	3	K233♀, K234♂, K235♂	FP119
FP113	Apr-2009 ^d	FPNWR	Unknown	1	1 kitten via remote camera	Unknown
FP113	Jul-2010	Barron Collier, N. of FPNWR	Pine Palmetto	3	K307♀, K308♂, K309♀	Unknown
FP113	Mar-2011	Barron Collier, N. of FPNWR	Pine Palmetto	1	K321♂	Unknown
FP113	Aug-2011	Barron Collier, N. of FPNWR	Pine Palmetto	1	K342♀	Unknown
FP116	Apr-2004	Hendry Co. Gum Swamp	Hardwood hammock	3	K160♀, K161♀, K162♂	FP65
FP116	May-2005	NBCNP- Addition Lands	Pine/palmetto	3	K187♂, K188♀, K189♂	Unknown
FP120	Jan-2004	SBCNP - Turner River Unit	Pine/palmetto	2	K155♀, K156♂	Unknown
FP121	Aug-2004	BCSIR	Pine/palmetto	1	K173♀	Unknown
FP121	Feb-2006	BCSIR	Pine/palmetto	3	K202♀, K203♂, K204♂	Unknown
FP124	Sep-2004	SBCNP - Stairsteps	Pine/palmetto	1	K174♂	Unknown
FP124	Jan-2005	SBCNP - Pinecrest	Pine/palmetto	3	K175♂, K176♂, K177♀	Unknown
FP124	Feb-2007	SBCNP - Stairsteps	Cypress/hardwood	2	K224♂, K225♂	Unknown
FP128	Jun-2005	BCSIR	Pine/palmetto	2	K190♂, K191♂	Unknown

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP128	May-2007	Stirelli property - Add Lands	Palmetto/fern	3	K250♂, K252♂, K252♀	Unknown
FP129	Apr-2005	SBCNP- Corn Dance	Unknown	3	K182♀, K183♂, K184♂	Unknown
FP140	Nov-2006	FPNWR	Hardwood hammock	2	K219♀, K220♂	FP119
FP140	May-2008	FPNWR	Cypress/ferns	2	K266♂, K267♂	FP154
FP145	Jun-2006	SBCNP -Deep Lake	Pine/palmetto	3	K208♀, K209♀, K210♀	FP138
FP145	Apr-2007	SBCNP - Deep Lake	Hardwood hammock	3	K244♂, K245♂, K246♀	FP133
FP145	Feb-2010	SBCNP	Palmetto	3	K291♀, K292♂, K293♀	Unknown
FP145	Jun-2011	SBCNP	Palmetto	3	K337♂, K338♀, K339♀	Unknown
FP145	Feb-2012	SBCNP- Deep Lake	Hardwood hammock	3	K345♂, K346♀, K347♂	Unknown
FP148	Jan-2007	Belle Meade-PSSF	Palmetto	3	K221♀, K222♂, K223♀	FP146
FP148	Apr-2010	Belle Meade-PSSF	Pine/palmetto	3	K297♀, K298♀, K299♂	Unknown
FP148	Jan-2011	Belle Meade-PSSF	Cypress swamp/ferns	2	K315♂, K316♂	Unknown
FP148	Mar-2013	Belle Meade-PSSF	Cypress swamp/ferns	3	K389♂, K390♀, K391♀	Unknown
FP149	Apr-2007	PSSF	Bracken fern	2	K239♀, K240♀	Unknown
FP150	Jul-2007	SBCNP	Palmetto	4	K253♂, K254♀, K255♀, K256♀	Unknown
FP151	Apr-2007	SBCNP- Turner River	Palmetto	3	K241♂, K242♀, K243♀	Unknown
FP151	Aug-2007	SBCNP	Palmetto	2	K259♂, K260 unknown sex	Unknown
FP151	Mar-2008	SBCNP-Turner River	Palmetto	2	K264♀, K265♂	Unknown
FP151	Jun-2011	SBCNP-Turner River	Palmetto	2	K340♀, K341♂	FP187
FP151	Jan-2013	SBCNP-Turner River	Palmetto	2	K385♀, K386♀	Unknown
FP153	Jul-2008	SBCNP-Turner River	Palmetto	3	K274♀, K275♂, K276♂	Unknown
FP153	Jul-2009	SBCNP	Hardwood hammock	2	K281♂, K282♂	Unknown
FP153	Feb-2012	SBCNP- Turner River	Saw Palmetto	4	K348♂, K349♂, K350♂, K351♂	Unknown
FP158	Jun-2008	CSSP	Pepper/climbing fern	4	K270♀, K271♂, K272♂, K273♂	FP146
FP158	Apr-2010 ^e	PSSF	Pine/palmetto	2	kittens not handled	Unknown
FP160	Oct-2008	Jack-In-The-Box Ranch CREW	Hardwood hammock	Unknown	Den not visited	Unknown
FP161	Feb-2009	SBCNP	Palmetto	3	K277♂, K278♂, K279♀	Unknown
FP161	May-2010	SBCNP	Pine/palmetto	3	K300♂, K301♀, K302♀	Unknown
FP161	Apr-2012	SBCNP-Turner River	Pine/Palmetto	4	K357♀, K358♂, K359♂, K360♀	Unknown
FP161	Dec-2012	SBCNP-Turner River	Pine/palmetto	2	K383♂, K384♀	Unknown
FP162	May-2008	SBCNP-Turner River	Hardwood hammock	2	K268♀, K269♂ (both dead)	FP138
FP162	Apr-2009	SBCNP	Hardwood hammock	1	K280♀	Unknown
FP162	Mar-2010	SBCNP	Hardwood hammock	3	K294♂, K295♀, K296♀	FP133
FP162	Apr-2011	SBCNP	Palmetto	4	K322♀, K323♂, K324♂, K325♂	Unknown
FP162	Jun-2012	SBCNP	Palmetto	2	K367♂, K368♀	FP187

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP162	Apr-2014	SBCNP	Hardwood hammock	3	K413♂, K414♀, K415♂	Unknown
FP162	Aug-2014	BCNP-Turner River	Palmetto	3	K429♂, K430♂, K431♀	Unknown
FP168	Jul-2009	CREW-Flint Pen	Pine/palmetto/fern	2	K283♂, K284♂	Unknown
FP170	Jul-2009	PSSF	Cabbage Palm/shrub	3	K285♂, K286♂, K287♀	Unknown
FP172	Feb-2010	NBCNP- Addition Lands	Palmetto	3	K288♂, K289♂, K290♂	Unknown
FP175	Aug-2010	NBCNP, Bear Island	Pine/palmetto	2	K310♀, K311♀	Unknown
FP175	Jan-2011	NBCNP, Bear Island	Palmetto/pine scrub	2	K319♂, K320♀	Unknown
FP175	Jul-2012	NBCNP, Bear Island	Hardwood hammock	3	K373♀, K374♂, K375♂	Unknown
FP178	Jun-2010	NBCNP, Bear Island	Pine/palmetto	2	K305♂, K306♂	Unknown
FP178	Jan-2011	NBCNP, Bear Island	Palmetto/oak scrub	2	K317♂, K318♂	Unknown
FP178	Jul-2012	NBCNP, Bear Island	Pine/palmetto	3	K369♀, K370♀, K371♀	Unknown
FP178	Mar-2014	Bear Island, south of E Hinson	Pine/palmetto	2	K409♀, K410♂	Unknown
FP180	Mar-2011 ^f	SBCNP	Unknown	2	den not visited	Unknown
FP180	Aug-2012	SBCNP-Deep Lake Unit	Hardwood/fern	3	K376♂, K377♂, K378♂	Unknown
FP180	Sep-2015	SBCNP-Deep Lake Unit	Saw Palmetto	2	K448♀, K449♂	Unknown
FP180	May-2016	SBCNP-Deep Lake Unit	Palmetto	3	K459♀, K460♀, K461♀	Unknown
FP182	Apr-2011	SBCNP	Hardwood scrub	4	K330♂, K331♂, K332♀, K333♂	Unknown
FP184	Apr-2011	NBCNP, Addition Lands	Saw Palmetto	4	K326♂, K327♂, K328♀, K329♂	Unknown
FP185	Mar-2016	Immokalee Ranch	Palmetto	3	K454♀, K455♀, K456♀	Unknown
FP188	May-2011	Troyer Bros., Lee County	Cypress/ferns	3	K334♀, K335♂, K336♂	Unknown
FP190	May-2012	SBCNP-Raccoon Point	Oak Palmetto	3	K361♀, K362♂, K363♀	Unknown
FP191	Mar-2012	SBCNP- Turner River	Pine Island	1	K353♂	Unknown
FP191	Jul-2012	SBCNP- Turner River	Pine Island	1	K372♀	FP187
FP192	Apr-2012	SBCNP-Corn Dance Unit	Hardwood/Fern	3	K354♂, K355♂, K356♂	Unknown
FP192	Feb-2013	SBCNP-Corn Dance Unit	Pine-Hardwood	2	K387♂, K388♂	Unknown
FP192	Mar-2015	SBCNP-Corn Dance Unit	Pine/palmetto	2	K441♂, K442♂	Unknown
FP195	Mar-2012	PSSF	Pine/palmetto	1	K352♂	Unknown
FP195	Sep-2014 ^g	SE Golden Gate Estates	Hardwood hammock	2	den not visited	Unknown
FP195	Apr-2016	PSSF	Pine cabbage/fern	1	K462♂	Unknown
FP198	Oct-2012	Corkscrew Water Treat Plant	Cogan grass	4	K379♂, K380♂, K381♂, K382♀	FP197
FP198	Dec-2013	LCPA Mitigation Land	Palmetto	3	K403♀, K404♂, K405♂	FP159
FP198	Oct-2015	FL Rock, N of LCPA	Palmetto, Grapevine	2	K450♀, K451♂	Unknown
FP199	Sep-2013	NBCNP - Addlands	Hardwood/fern	2	K401♀, K402♂	Unknown
FP199	Jun-2015	NBCNP- Addlands	Hardwood/fern	2	K446♂, K447♂	Unknown
FP213	Jun-2012	OSSF- 4 Sections	Palmetto	3	K364♂, K365♀, K366♂	Unknown

Panther ID	Den date	Location ^a	Habitat	Minimum number of kittens at den	Kittens handled	Purported field sire
FP213	Sep-2013	OSSF- 4 Section	Hardwood hammock	2	K399♀, K400♂	Unknown
FP213	Apr-2014	Alico Ranch south of Keri Rd.	Sawgrass	3	K418♀, K419♂, K420♀	Unknown
FP214	Mar-2016	SBCNP-Turner River	Palmetto	2	K452♂, K453♂	Unknown
FP215	Mar-2013	Barron Collier	Pine/palmetto	2	K392♀, K393♀	Unknown
FP215	Mar-2014	Barron Collier	Shrub/brush	2	K411♂, K412♀	Unknown
FP217	Apr-2014	OSSF- 4 Section	Pine/palmetto	2	K416♀, K417♂	Unknown
FP218	May-2013	Alico North of Keri Rd	Palmetto	4	K394♂, K395♂, K396♀, K397♀	Unknown
FP219	Jun-2013	FSPSP	Maple Fern	1	K398♀	Unknown
FP219	Sep-2014	Naples National Golf Course	Pine/palmetto	3	K432♀, K433♀, K434♀	Unknown
FP220	Mar-2014	SBCNP-Turner River	Palmetto	3	K406♀, K407♂, K408♀	Unknown
FP221	May-2014	SBCNP-Turner River	Palmetto	2	K424♂, K425♀	Unknown
FP221	Mar-2016	SBCNP-Turner River	Palmetto	2	K457♂, K458♂	Unknown
FP222	Jun-2014	Barron Collier	Palmetto	3	K426♂, K427♀, K428♀	Unknown
FP224	Feb-2015	North Belle Meade	Pine/palmetto	4	K437♂, K438♂, K439♀, K440♂	Unknown
FP226	Oct-2014	NBCNP- Addlands	Fern/palmetto	2	K435♀, K436♀	FP177
FP229	May-2014	NBCNP- Addlands	Sawgrass	3	K421♂, K422♂, K423♀	Unknown
FP240	Jun-2015	SBCNP-Turner River	Palmetto	3	K443♀, K444♂, K445♂	FP187
TX101	Sep-1005	BCSIR	Pine/palmetto	2	FP73♀, FP79♂	Unknown
TX101	Dec-1996	BCSIR	Palmetto/oak	2	FP65♂, FP66♀	FP45
TX105	Aug-1996	EVER - Long Pine Key	Tropical hardwood	1	K34♀	FP16
TX105	Jul-1999	EVER - Long Pine Key	Brazilian pepper	1	FP94F1♀ den not visited	FP16
TX106	Nov-1995	S Golden Gate Estates	Cypress/mixed	1	K23♀	FP51
TX106	Feb-1998	N Golden Gate Estates	Vines/cabbage	1	K47♂	FP54, FP59
TX106	Jun-1999	PSSF	Cabbage	2	K62♀, FP83♀	FP54
TX106	Mar-2001	FPNWR	Pine/palmetto	2	K92♀, FP181♂	FP60
TX107	Apr-1997	SBCNP - N of Oasis	Pine/palmetto	2	FP70♀, FP71♀	Unknown
TX107	Feb-1999	SBCNP - N of Buckskin Prairie	Pine/palmetto	3	FP191♀, K57♂, FP93♀	FP79
TX108	Jun-1996	EVER - Long Pine Key	Tropical hardwood	1	FP61♀ den not visited	FP16
TX108	Jan-1998	EVER - Long Pine Key	Tropical hardwood	2	FP95♀, K46♂	FP16

^aBCNP = Big Cypress National Preserve; BCSIR = Big Cypress Seminole Indian Reservation; CREW = Corkscrew Regional Ecosystem Watershed; CSSP = Collier-Seminole State Park; EVER = Everglades National Park; FPNWR = Florida Panther National Wildlife Refuge; FSPSP = Fakahatchee Strand Preserve State Park; LCPA = Lee County Port Authority Mitigation Area; NBCNP = Big Cypress National Preserve north of Interstate 75; OSSF = Okaloacoochee Slough State Forest; PSSF = Picayune Strand State Forest/Wildlife Management Area; SBCNP = Big Cypress National Preserve south of Interstate 75.

^bFP40 had lost her collar when her kitten FP60 was captured at 6 months of age on 3/6/96. Den is assumed to have dated to September 1995.

^cFP73 was marked as a kitten then captured with her 15month old kitten FP74 on 11/12/98. Den is assumed to have dated to August 1997.

^dFP113 den in April 2009 was not documented by FWC during routine monitoring. A 4 month old kitten was photographed with FP113 on 28 July 2009 via trail camera on FPNWR.

^eFP158 den in April 2010 was visited by FWC, but kittens were not sampled or marked. This litter subsequently failed with the death of FP158 on 22 May 2010.

^fFP180 den in March 2011 was not documented by BCNP staff. A visual was obtained of FP180 with two 4 month old kittens on 8 July 2011 during routine aerial telemetry monitoring.

^gFP195 den in September 2014 was not documented by FWC after repeated attempts at locating the site. Video of FP195 with two kittens crossing under I75 from FPNWR verified litter in June 2015.

Appendix IV. Florida panther and Texas puma mortalities and injuries sorted by year through 30 June 2016. Data collected by FWC and BCNP. Ages are estimated unless panthers were handled as kittens at natal dens. Age values are in years unless noted otherwise.

Date	Panther ID	Sex	Age	Location ^a	Cause
Circa 1940s	UCFP01	U	Unknown	Immokalee, Collier Co.	Preserved skin, skull and bones
Circa 1954	UCFP47	U	Unknown	Rocky Lake, Hendry Co.	Taxidermy pelt from hunted specimen
2/13/1972	UCFP28	M	2 to 3	SR 25 S of Moore Haven	Vehicle
3/8/1978	UCFP02	M	2 to 3	L-28, Dade Co.	Illegally shot
2/1/1979	UCFP03	M	unknown	US 41, Gannet Strand	Unknown
12/23/1979	UCFP04-(G80-4)	F	1.5 to 2.5	SR 29 just N SR 84 (now I-75)	Vehicle
2/7/1980	UCFP05-(G80-15)	M	1.5 to 2.5	SR 29 near Sunniland	Vehicle
4/19/1981	UCFP06-(G81-19)	F	2 to 3	SR 29 near Copeland	Vehicle
4/16/1982	FP06	M	6 to 7	SBCNP	Unknown
1/17/1983	FP03	F	9+	FSSP	Capture
3/18/1983	UCFP09-(G83-22)	M	2 to 3	US 27 Palmdale	Vehicle
5/22/1983	UCFP10	F	adult	L-8 canal near Canal Point, Palm Beach Co.	Illegally shot
11/18/1983	FP05	F	8 to 9	Fakahatchee Conservation Club (now FPNWR)	Unknown
12/1/1983	UCFP08	M	3 to 6	BCSIR	Illegally shot
12/14/1983	FP01	M	12 to 14	SR 84 (now I-75)	Vehicle
11/28/1984	FP02	M	14+	FSSP	Intraspecific aggression
10/30/1984	UCFP11	F	2 to 3	Corbett WMA, Palm Bch. Co. (Elmer Brooker)	Illegally shot
11/2/1984	BIG GUY (FP200)	M	2 to 4	US 41 near Turner River	Vehicle - injured
11/12/1984	UCFP12-(G84-26)	F	8 to 10	SR 84 (now I-75)	Vehicle
1/8/1985	UCFP13-(G85-BNZ)	F	1.5 to 2	SR 84 (now I-75)	Vehicle
3/23/1985	UCFP14	F	2 to 3	Collier Seminole State Park, Collier Co.	Illegally shot (skeleton)
4/18/1985	FP04	M	12+	SR 84 (now I-75)	Vehicle
5/12/1985	NONE	F	UNK	CR 951, 2 miles N of US 41	Vehicle - injured
10/26/1985	FP07	M	10	SR 29, 4 miles S of SR 84 (now I-75)	Vehicle
1/1/1986	FP09	F	not fatal	Golden Gate Estates, S of SR 84 (now I-75)	Illegally shot (not fatal)
11/15/1986	UCFP15	F	4 to 5	SR 84 (now I-75)	Vehicle
1/27/1987	FP10	M	16 to 20 mo.	Mud Lake Strand, now FPNWR	Intraspecific aggression - by adult male panther
6/17/1987	FP20	M	3 to 4	CR 858 .8 miles E of SR 29	Vehicle - injured
12/14/1987	FP13	M	6 to 8	SR 29 Sunniland	Vehicle
12/19/1987	UCFP17	M	10	Crane Swamp, Farmton WMA, Volusia Co.	Unknown (skeletal remains)
6/10/1988	FP15	F	7 to 8	EVER	Unknown

Date	Panther ID	Sex	Age	Location ^a	Cause
7/23/1988	FP21	F	2.5	1 mile E of US1 on Palm Drive	Vehicle - injured
8/20/1988	FP08	F	13 to 15	Gainesville	Liver failure (old age)
8/22/1988	FP24	M	3 to 5	Glades Co. near Palmdale	Unknown
8/24/1988	FP20	M	4 to 5	Bear Island	Congenital heart defect
8/26/1988	FP25	M	4 to 5	FPNWR	Intraspecific aggression - bacterial infection
11/29/1988	FP28	M	1.5 to 2	Near Daniels Road, RSW Airport	Vehicle - injured
1/25/1989	UCFP18	M	3	CR 850, 1.5 miles S of SR 82	Vehicle
7/23/1989	FP27	M	3 to 4	EVER	Unknown
11/25/1989	FP33	M	3	2 mi. NW of Hendry Prison	Rabies
1/24/1990	FP35	M	10 mo.	Gainesville	Capture-related abandonment (infection)
1/29/1990	FP30	M	22 mo.	FSSP	Intraspecific aggression- killed by FP37
6/18/1990	UCFP19	M	10 mo.	CR 835, 1 mile E of CR 833	Vehicle
6/18/1990	FP39	M	3 to 4	EVER	Pyothorax
7/23/1990	FP17	M	9	NBCNP, near Tangerine Camp	Unknown
9/26/1990	FP41	F	2	W of BCSIR, Hendry Co.	Intraspecific aggression- killed by FP28
10/3/1990	FP18	F	9	S of CR 846 near Rocky Lake, Hendry Co.	Intraspecific aggression- killed by FP28
11/26/1990	FP37	M	4 to 5	SR 29, 0.5 miles N of I-75	Vehicle
2/4/1991	UCFP20	F	9 mo.	SR 29, at Pistol Pond	Vehicle
6/20/1991	FP14	F	10 to 11	EVER	Unknown
7/20/1991	FP22	F	5	EVER	Infection
11/1/1991	FP43	M	2	BCSIR, Hendry Co.	Intraspecific aggression - killed by FP26
4/7/1992	NONE	M	Unknown	Alico Road, Lee Co.	Vehicle - injured
5/27/1992	FP29	M	4	Hendry Co., Gum Swamp	Pseudorabies
9/25/1992	FP28	M	5.5	BCSIR, Hendry Co.	Intraspecific aggression - possibly killed by FP26
11/9/1992	UCFP21	F	7 mo.	SR 29, Sunniland	Vehicle
2/19/1993	FP47	M	18 mo.	FSSP	Intraspecific aggression - killed by FP51
2/26/1993	FP53	M	11 mo.	Private lands N of FPNWR	Intraspecific aggression-killed, eaten by uncollared male
7/6/1993	FP44	M	2.5	SBCNP, Raccoon Pt.	Intraspecific aggression-killed by FP42
8/9/1993	UCFP22	M	2 to 3	Daniels Rd, 1 mile E of I-75	Vehicle
11/15/1993	FP34	M	5	SE Hendry Co. near L28 W feeder canal	Bacterial infection from lacerated esophagus
12/6/1993	FP50	M	2.5	CR 846, 5 miles E of Immokalee	Vehicle
2/28/1994	UCFP23	M	8 mo.	County Line Road, 3 miles N of CR 858	Vehicle
3/3/1994	FP31	F	12 to 14	SR 29 Sunniland	Vehicle
7/8/1994	FP26	M	11 to 12	4 mi. E. Hendry Prison	Intraspecific aggression- killed by FP46, punctured skull
8/4/1994	FP38	F	9	Conservation Area 3A	Pleuritis related to chest puncture

Date	Panther ID	Sex	Age	Location ^a	Cause
11/8/1994	FP12	M	13 to 14	Private lands, Hendry County	Intraspecific aggression - infected bite wounds by FP46
1/14/1995	FP52	F	3.3	CR 846 near Dupree Road	Vehicle
6/22/1995	FP42	M	6	SBCNP	Unknown
9/21/1995	TX102	F	4	CR 833, just N of CR 835	Vehicle
3/18/1996	UCFP24	F	1.5 to 2 wks.	FPNWR	Unknown (dehydrated)
4/24/1996	UCFP29	M	3 to 5	CR 832, 5.5 miles E of SR 29	Vehicle
5/2/1996	UCFP30	F	1	US 41, Turner River	Vehicle
3/30/1997	FP58	M	3	Sadie Cypress - Collier Co.	Intraspecific aggression-septicemia from bite wounds
7/13/1997	UCFP31	U	UNK	CR 846, 1.5 miles W of CR 858	Vehicle
12/2/1997	FP19	F	11.5	FPNWR	Ruptured aorta
12/26/1997	FP21	F	11 to 12	White Oak	Euthanasia
2/2/1998	FP40	F	10	NBCNP	Intraspecific aggression, infected bite wounds
2/14/1998	FP64	M	1.5	SR 29, at clearcut, FPNWR	Vehicle - injured
4/18/1998	TX104	F	6 to 7	S of Sabal Palm Road in citrus grove	Illegally shot
6/13/1998	UCFP25	F	2	CR 846, 3 miles E of CR 858	Vehicle
7/17/1998	FP51	M	9	SR 29, Bear Island Grade	Vehicle
8/2/1998	FP45	M	7.5	BCSIR, Hendry Co.	Intraspecific aggression
9/17/1998	UCFP26	M	3 to 5	US 41	Vehicle
10/10/1998	FP36	F	14+	NBCNP, E of L28 interceptor canal	Unknown (likely natural)
12/23/1998	FP72	M	3 to 4	BCSIR, Hendry Co.	Intraspecific aggression- killed by uncollared male
2/3/1999	FP46	M	9 to 9.5	Private land S. CR 846, Hendry Co.	Intraspecific aggression
3/26/1999	FP64	M	2.5	Audubon's Corkscrew Sanctuary	Intraspecific aggression- killed by uncollared male
7/8/1999	UCFP27	F	2	Farm Road E of Hendry Prison	Vehicle
8/19/1999	TX103	F	UNK	SBCNP, Lostman's Pines 1 mile N of EVER boundary	Metabolic complications associated with pregnancy
9/8/1999	FP74	M	2.5	US 27, near Venus	Vehicle
10/29/1999	UCFP33	M	11 mo.	CR 833, 2 miles N of BCSIR	Vehicle
11/13/1999	FP76	M	2.5 to 3	FSSP, 1.9 miles W of SR 29 off of Lancaster Grade	Intraspecific aggression-killed by FP54
1/3/2000	FP16	M	14	EVER, NE boundary	Unknown
1/15/2000	FP63	M	5	SR 29, N of Pistol Pond	Vehicle-drowning
2/10/2000	FP80	F	4 to 5	W Boundary Road, BCSIR	Vehicle
2/28/2000	K76	M	3 mo.	CR 858, 1 mile W of SR 29	Vehicle
3/1/2000	FP68	M	5 to 7	NBCNP, W of Tangerine tram	Unknown
3/23/2000	UCFP34	M	1.5 to 2	CR 846, 2 miles E of Collier/Hendry line	Vehicle
3/29/2000	TX101	F	UNK	BCSIR, near game pen	Unknown
4/20/2000	FP84	M	14 mo.	Fisheating Creek WMA, 5 miles W of US 27	Unknown

Date	Panther ID	Sex	Age	Location ^a	Cause
6/23/2000	UCFP35	M	1.5 to 2	CR 846, 2 miles E of Immokalee	Vehicle
8/13/2000	UCFP36	F	1.7	CR 846, near big powerline	Vehicle
11/10/2000	FP89	M	3.5	BCNP, 2 miles NW of Mud Lake	Intraspecific aggression - killed by FP79
12/1/2000	FP23	F	14	BCNP, 2 miles E of Turkey Foot	Unknown
12/29/2000	UCFP37	F	5	CR 846, 4.5 miles E of SR 29	Vehicle
1/18/2001	TX107	F	8 to 9	SBCNP, near Eleven Mile Rd.	Unknown
2/27/2001	FP11	F	19 to 20	Private land, 200yds. S of CR846, 1 mile E of Dupree Rd.	Intraspecific aggression
4/14/2001	UCFP38	F	2	CR 833, 1 mile N of BCSIR, Hendry Co.	Vehicle
4/26/2001	FP90	M	1.9	US 27, 2.5 miles N of Terrytown	Vehicle
5/7/2001	UCFP39	F	10 mo.	SR 29, 1/2 mile N of Jerome	Vehicle
5/7/2001	UCFP40	M	10 mo.	SR 29, 1/2 mile N of Jerome	Vehicle
5/22/2001	UCFP41	M	2 to 3	SR 29, Sunniland, near mine entrance	Vehicle
6/14/2001	UCFP42	F	3 to 4	CR 846, 1 mile E of big powerline	Vehicle
8/17/2001	UCFP43	M	2 to 3	CR 846, 1 mile E of big powerline	Vehicle
9/1/2001	FP92	M	2.2	CREW, N Flint Pen Strand	Unknown
12/2/2001	FP97	M	2	Private land, E of Gopher Ridge Grove, N of Immokalee	Intraspecific aggression
1/3/2002	FP49	F	12	BCNP Addition Lands	Intraspecific aggression- killed by uncollared male
1/15/2002	FP96	M	1.75	Private land, Hogan Island, Collier Co.	Intraspecific aggression
1/16/2002	FP105	F	7	FPNWR, SW corner of clearcut	Unknown
4/5/2002	UCFP45	M	3	US 27, 3.4 miles N of Palmdale, Glades Co.	Vehicle
4/10/2002	UCFP46	M	6 mo.	SR 29, 1/2 mile N of Deep Lake, Collier Co.	Vehicle
7/1/2002	FP98	M	4 to 5	SR 29, 1 km N of Pistol Pond	Vehicle
9/5/2002	FP111	M	9 to 10	OSSF, N of CR 832	Intraspecific aggression
9/11/2002	FP112	F	4	BCNP - Bear Island	Intraspecific aggression
9/12/2002	FP32	F	15	FPNWR - Rock Island	Malnutrition (old-age)
10/16/2002	FP78	F	6	FPNWR - Fire Tower	Intraspecific aggression
11/10/2002	UCFP48	F	8 to 9 mo.	CR 846, 5 miles E of Immokalee	Vehicle
11/16/2002	FP108	M	22 mo.	SBCNP, Raccoon Point	Traumatic Neck Injury
11/25/2002	UCFP49 (K98)	F	19 mo.	CR 846, 3 miles E of Immokalee	Vehicle
11/28/2002	FP99	M	33 mo.	CR 846, 1/4 mile N of Collier fairgrounds	Vehicle
1/15/2003	FP67	F	5.5	Private land, Gum Slough, Hendry Co.	Intraspecific aggression-killed by FP65
1/26/2003	UCFP50 (K33)	M	3 to 4	CR 846, 3.4 miles E of Everglades Blvd.	Vehicle
2/20/2003	FP106	F	3	SR 29, entrance to Sunniland Mine	Vehicle
2/22/2003	FP109	M	10+	OSSF, N of CR 832	Intraspecific aggression
3/10/2003	UCFP51	M	1.5 to 2.0	I-4, 0.25 miles E of I-75, near Tampa	Vehicle

Date	Panther ID	Sex	Age	Location ^a	Cause
3/20/2003	UCFP52	M	2 to 3	CR 833, 2 miles S of CR 832, Hendry Co.	Vehicle
4/4/2003	FP118	F	1	BCSIR - Game Pen	Pseudorabies
5/10/2003	FP82	F	6	OSSF	Intraspecific aggression
5/17/2003	FP115	F	4 to 5	OSSF, Sick Island	FeLV
5/25/2003	UCFP53	F	2 to 3	SR 29, 1.4 miles N of CR 858, Collier Co.	Vehicle
6/3/2003	UCFP54	M	8 to 10 mo.	SR 29, 1.7 miles N of CR 858, Collier Co.	Vehicle
6/13/2003	UCFP55	M	1 to 1.5	BCSIR Safari Pen	Unknown
6/14/2003	UCFP56	M	1 to 1.5	BCSIR Safari Pen	Unknown
6/16/2003	UCFP57	F	4 to 6	BCSIR Safari Pen	Pseudorabies
6/19/2003	FP87	F	4	SBCNP - 7 miles NNE of Oasis	Intraspecific aggression
6/28/2003	FP73	F	7.8	BCSIR - Game Pen	Unknown
6/30/2003	UCFP58	F	1	CR 846, 3/4 miles E of Everglades Blvd.	Vehicle
7/12/2003	FP77	F	6	BCSIR- Game Pen	Unknown
10/17/2003	FP114	M	1.5	FPNWR, S of Oil Pad Rd.	Intraspecific aggression
11/2/2003	UCFP59	M	3 to 4 mo.	CR 858, 1.2 miles W of SR 29	Vehicle
11/7/2003	FP86	F	4.5	University of Florida, Vet School, Gainesville	Euthanasia
12/9/2003	UCFP60	M	2 to 3	US 41, 1 mile E of CR 92	Vehicle
12/12/2003	FP91	F	4.5	BCNP, Turner River Unit	Intraspecific aggression
12/25/2003	UCFP61	F	2 to 3	CR 833, 1.7 miles N of CR 846 intersection	Vehicle
1/11/2004	UCFP62	F	7 to 8 mo.	US 41, near 40 Mile Bend	Vehicle
2/13/2004	FP122	F	2 to 3	OSSF, NW Wild Cow Island	FeLV
2/26/2004	UCFP63	M	3.5	I-75, 99 mm, Eastbound lane	Vehicle
3/1/2004	FP85	M	5	EVER	Unknown
3/3/2004	UCFP64	U	unknown	SR66, 0.75 miles W OF SR 635	Vehicle - injured
3/15/2004	FP123	M	3.5	OSSF	Intraspecific aggression
4/6/2004	UCFP65	M	2	SR 29, 200 yds. N of Bear Island Grade	Vehicle
6/27/2004	UCFP66	M	3	I-75, 93 mm, 0.5 miles W of Everglades Blvd.	Vehicle
7/7/2004	FP55	F	11.5	BCNP	Intraspecific aggression
7/11/2004	FP120	F	4	US 41, 750 m W of Turner River Road	Vehicle - injured
7/22/2004	FP132	M	3 to 3.5	OSSF	FeLV
7/28/2004	FP117	M	27 mo.	OSSF	Pseudorabies
8/2/2004	K156	M	6 mo.	US 41, Turner River	Vehicle
8/17/2004	K94	M	3.3	I-75, near 98 mm, Eastbound lane	Vehicle
9/2/2004	UCFP67	F	< 7 days	FPNWR - Ridge Road	Unknown
9/30/2004	UCFP68	F	3 to 6	SBCNP - N of Oasis Ranger Station	Unknown

Date	Panther ID	Sex	Age	Location ^a	Cause
10/25/2004	UCFP69	F	2	SR 29 2.5 miles N of CR 858	Vehicle
11/22/2004	FP59	M	9.4	Private property, just E of Ford Test Track, Collier Co.	Intraspecific aggression
12/1/2004	UCFP70	F	1	SR 29, Owl Hammock Curve	Vehicle
12/6/2004	K128	M	2.5	CR 832, 1 mile E of RR grade	Vehicle
1/1/2005	FP126	M	1.6	Private property, 1/2 mile S of CR 846, Sadie Cypress	Intraspecific aggression
2/4/2005	UCFP71	M	2 to 3	US 41, just E of 11 Mile Road	Vehicle
2/25/2005	UCFP72	M	2	SR 29, near Jerome	Vehicle
4/7/2005	UCFP73	M	7 mo.	CR 951, S of Rattlesnake Hammock Road	Vehicle
5/7/2005	FP120	F	5	US 41, near Turner River	Vehicle
6/4/2005	UCFP74	M	3	I-95, St. John's/Flagler Co. line	Vehicle
6/14/2005	FP136	F	4	SBCNP, 2 miles NE of Burns Lake	Spinal trauma
6/19/2005	UCFP75	M	2	SR 29, Owl Hammock Curve	Vehicle
8/29/2005	K153	M	2.1	CR951, 1.2 miles S of Davis Blvd.	Vehicle
9/12/2005	FP69	F	8.3	NBCNP - Addition Lands	Unknown
9/18/2005	UCFP76	M	1	US 41, 1.4 miles E of CR 951	Vehicle
12/2/2005	K49	F	7.8	SR 29, 1 mile N of Wagon Wheel Road	Vehicle
1/14/2006	FP70	F	8.6	US 41, near Turner River	Vehicle
1/15/2006	UCFP77	F	2 to 3	BCSIR, W of Swamp Safari	Intraspecific aggression
1/25/2006	UCFP78	M	9 mo.	CR 846, 1 miles W of CR 858	Vehicle
1/26/2006	UCFP79	F	2	CR 846, 2 miles N of CR 858 - near Collier fairgrounds	Vehicle
2/2/2006	UCFP80	F	2	Card Sound Road, Dade Co.	Vehicle
2/27/2006	UCFP81	M	2	I-75, between exits 137-138, Lee Co.	Vehicle
2/27/2006	UCFP82	U	unknown	Private property, 0.2 miles W of SR 29 Hendry Co.	Unknown (skeletal remains)
3/9/2006	FP104	M	5.5	SBCNP	Unknown
3/11/2006	UCFP83	M	3	CREW, 1 mile S of Corkscrew Rd., Flint Pen Strand	Intraspecific aggression
3/22/2006	FP129	F	5	SBCNP	Unknown
4/6/2006	K203	M	1 mo.	BCSIR	Unknown
4/14/2006	UCFP84	M	3 to 4	I-4, SW of Orlando	Vehicle
6/5/2006	UCFP85	M	3 to 4	CR 832, 3 miles E of OSSF SF	Vehicle
7/6/2006	UCFP86	U	unknown	SR 29, 0.6 miles S of Sunniland	Vehicle - carcass not found (gator?)
8/24/2006	UCFP87	M	3	Corkscrew Rd. near Alico, Lee Co.	Vehicle
10/27/2006	FP135	M	3.5	Private property, N of FPNWR	Intraspecific aggression/euthanized at UF Vet School
10/23/2006	FP48	F	15	Sunniland, Collier Co.	Unknown
11/26/2006	UCFP88	F	2	US 41, between Manatee Rd and CR951	Vehicle
12/12/2006	UCFP89	M	3 to 5	County Line Road, Collier/Hendry	Vehicle

Date	Panther ID	Sex	Age	Location ^a	Cause
1/10/2007	FP116	F	4.5	Williams Ranch, Hendry Co.	Intraspecific aggression
1/24/2007	UCFP90	F	4 to 6 mo.	CR 832, 1 mile W of Forestry tower	Vehicle
1/25/2007	FP100	M	10	Miccosukee Reservation, N of I-75	Unknown
1/29/2007	FP134	M	5.5	NBCNP, W of L-28, S of pipeline	Intraspecific aggression
3/9/2007	UCFP91	M	5 mo.	CR 832, W of Keri tower, OSSF	Vehicle
3/21/2007	FP130	M	4	I-4, near Osceola/Orange County line	Vehicle
3/29/2007	UCFP92	M	1.5	US 41, 1.2 miles W of SR 29	Vehicle
3/30/2007	UCFP93	M	2	I-75, 0.5 miles N Corkscrew Road, Lee Co.	Vehicle
4/3/2007	UCFP94	M	2 to 3	I-75, 2 miles E of toll booth 98mm, Collier Co.	Vehicle
4/18/2007	UCFP95	M	2 to 3	Walk-in-Water road, Polk Co.	Vehicle
4/27/2007	K249	F	10 to 12 days	FPNWR, Unit12	Septicemia
5/3/2007	K247	F	16 to 18 days	FPNWR, Unit12	Complications related to dermatophytosis
5/3/2007	K248	M	16 to 18 days	FPNWR, Unit12	Unknown
5/9/2007	UCFP96	F	3	US1, 1/2 mile S of Card Sound Rd., Dade Co.	Vehicle
5/14/2007	UCFP97	F	4 to 5	Corkscrew Road, near Alico, Lee Co.	Vehicle
6/11/2007	UCFP98	M	20 to 24 mo.	SR 29, at Jerome wildlife crossing	Vehicle
6/14/2007	UCFP99	M	12 to 15 mo.	SR 82, 0.7 miles W of Sunshine Blvd	Vehicle
6/23/2007	UCFP100	M	2 to 3	SR 29, 3 miles S of Immokalee	Vehicle
6/23/2007	K199	F	20 mo.	CR 832, 0.6 miles W of Forestry tower	Vehicle
6/26/2007	UCFP101	M	4	US 41, 1 mile E of Krome Ave	Vehicle
8/2/2007	FP103	F	7	SBCNP	Intraspecific aggression
8/27/2007	K259	M	3 wks.	SBCNP	Suspected black bear predation at den
8/27/2007	K260	U	3 wks.	SBCNP	Suspected black bear predation at den
9/12/2007	UCFP102	M	2	I-75, 1.5 miles E of SR 29	Vehicle
9/27/2007	FP128	F	7.5	BCSIR, game pen	Unknown
3/9/2008	UCFP103	M	2 to 3	Pine Ridge Road, half way between CR951, Logan	Vehicle
3/14/2008	FP127	M	5	NBCNP	Intraspecific aggression
4/12/2008	UCFP104	F	1 to 2	SR 29, 2.6 km N of US 41	Vehicle
4/9/2008	FP157	M	3	CREW	Intraspecific aggression
4/16/2008	FP131	M	9	Horse Trial grounds, N of CR 858, W of SR 29	Pneumonia
4/23/2008	UCFP105	F	5 to 6	FSSP, 0.24 miles W of Janes Scenic, N side of Mud Tram	Unknown or Accidental
5/4/2008	UCFP106	M	2	Leonard Boulevard, Lehigh Acres, Lee Co.	Vehicle
5/12/2008	FP138	M	7	SBCNP, 5.5 km N of Monument Lake Campground	Unknown
5/22/2008	UCFP107	F	2 to 3	CR 951, 2.4 km S of US 41 on CR951, crossed E to W	Vehicle
5/23/2008	K268	F	2 wks.	SBCNP	Consumed (possible intraspecific aggression)

Date	Panther ID	Sex	Age	Location ^a	Cause
5/23/2008	K269	M	2 wks.	SBCNP	Consumed (possible intraspecific aggression)
6/30/2008	FP164	M	2.5	NBCNP	Unknown
7/28/2008	UCFP108	F	3 to 4	CR 846, 1.7 mile E of Oil Grade Rd	Vehicle
8/6/2008	FP107	F	8	FPNWR	Unknown
9/15/2008	FP155	M	3	Lee-Hendry Landfill, Hendry Co.	Unknown
9/15/2008	UCFP109	M	8	Private Property (J. Ivey), 2 miles E of Corkscrew Sanctuary	Unknown
9/29/2008	UCFP110	F	2 to 3 mo.	EVER	Vehicle
10/22/2008	FP152	M	5 to 6	SBCNP	Intraspecific aggression
10/24/2008	UCFP111	F	6 to 8 mo.	SR 29, 2.4km N of Oil Well Road	Vehicle
11/4/2008	UCFP112	M	3	SR 80, E of CR 833	Vehicle
11/16/2008	UCFP123	M	3 to 4	Troup Co., GA	Shot
11/26/2008	UCFP113	M	4 to 5	Alico Road, Lee Co.	Vehicle
11/28/2008	UCFP114	F	4	CR 858, 1 miles E of Camp Keais Rd	Vehicle
1/11/2009	UCFP115	M	4	CR 832, E of OSSF	Vehicle
1/17/2009	K253	M	18 mo.	I-75, eastbound exit ramp for SR 29	Vehicle
1/20/2009	UCFP116	F	4 to 5	SR 29, 3 miles S of Immokalee	Vehicle
2/2/2009	UCFP117	M	3	BCSIR	Intraspecific aggression
3/25/2009	UCFP118	M	1.5	Treeline Ave, Lee Co.	Vehicle
4/9/2009	UCFP119	F	2 to 3	US 41, Turner River	Vehicle
4/21/2009	UCFP120	F	2	Big Cypress Mitigation Bank	Illegally Shot
5/14/2009	UCFP121	M	2	SR 29, ~4 miles S of I-75	Vehicle
5/25/2009	UCFP122	M	2	CR 846, near Camp Keais Rd	Vehicle
6/12/2009	FP140	F	7	FPNWR, SE of Hog Pond	Intraspecific aggression
7/28/2009	FP204	F	19	White Oak (captive)	Euthanasia
8/5/2009	UCFP124	M	1.5	I-75, 90mm	Vehicle
9/6/2009	UCFP125	F	2	I-75, 96.5mm	Vehicle
9/15/2009	UCFP126	M	2	E of Ave Maria, Ranch 1 Orange Gr.	Vehicle
10/5/2009	FP166	M	5 to 6	BCSIR, N. of Safari Pen	Intraspecific aggression
10/9/2009	UCFP127	F	3 to 4	Turner River, 600m S of US 41	Unknown
10/10/2009	UCFP128	F	3	North Belle Meade	Illegally shot
10/19/2009	UCFP129	M	3 to 4 mo.	CR 846, 2 miles E of Immokalee	Vehicle
10/21/2009	UCFP130	F	3 to 4	CR 846, 2 miles E of Immokalee	Vehicle
11/1/2009	UCFP131	F	3 to 4 mo.	CR 833, N boundary of BCSIR	Vehicle
11/19/2009	UCFP132	M	3 to 4	FL Turnpike, S of Yeehaw Junction	Vehicle (decapitated posthumously)
12/17/2009	UCFP133	M	3 to 4	I-75, 1/2 miles W Snake Road	Vehicle
12/23/2009	UCFP134	M	3	Corkscrew Road, near CREW Gate 5	Vehicle

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12/29/2009	UCFP135	F	4	SR 29, 2 miles N of Jerome	Vehicle
12/31/2009	UCFP136	F	3 to 4 mo.	County Barn Rd, 0.3 miles S of Davis Blvd	Vehicle
1/16/2010	UCFP137	M	2.5	1 mile S Corkscrew Rd, near Bella Terra	Intraspecific aggression
1/29/2010	UCFP138	M	6 to 8	N of Shell Island Rd, Rookery Bay	Unknown (skeletal remains)
3/12/2010	UCFP139	F	3	Corkscrew Rd, CREW Marsh Trailhead 1	Vehicle
3/16/2010	FP174	M	4 to 5	I-75, 95mm, eastbound	Vehicle
3/22/2010	FP172	F	5	NBCNP	Intraspecific aggression
4/15/2010	UCFP140	M	1.5 to 2	I-75, mm 117, Lee Co.	Vehicle
4/29/2010	UCFP141	F	6 mo.	Church Road, near Hendry Co landfill	Vehicle
5/4/2010	UCFP142	F	8 mo.	Golden Gate Blvd., between 5th and 7th St NW	Vehicle
5/21/2010	FP169	M	5 to 6	US 41, 4km W of Monroe Station	Vehicle
5/22/2010	FP158	F	5	US 41, 1km E of SR92	Vehicle
5/23/2010	UCFP143	M	7 to 8 mo.	US 41, 2.2km E of CR951	Vehicle
5/31/2010	UCFP144	M	12 to 14 mo.	CR 833, 0.66km N of intersect with CR 832	Vehicle
6/21/2010	FP144	M	6	NBCNP	Intraspecific aggression
6/24/2010	UCFP145	M	16 to 18 mo.	SR 29, 3.7km S of Farm Workers Village	Vehicle
8/3/2010	UCFP146	F	3 to 4	SR 29, 1 miles S of Owl Hammock, Collier Co.	Vehicle
10/1/2010	UCFP147	F	3	US 41, 1.7 miles E of Monroe Station	Vehicle
10/15/2010	FP168	F	8	CREW, Flint Pen Strand	Intraspecific aggression
10/25/2010	FP102	F	12 8mo.	SBCNP	Intraspecific aggression
11/17/2010	FP176	M	4 to 5	CR 832, OSSF	Vehicle
12/12/2010	UCFP148	M	2 to 3	US 27, 0.5 miles E of SR 80, Hendry Co.	Vehicle
12/13/2010	UCFP149	M	1.5	Golden Gate Blvd., 7th ST NW, Collier Co.	Vehicle
12/19/2010	UCFP150	M	8 to 9 mo.	CR 846, 1.5 miles S of CR 833	Vehicle
12/22/2010	FP173	M	5	Lee County Port Authority Mitigation Land	Pseudorabies
12/23/2010	UCFP151	F	10 to 18 mo.	Private property, Collier Co.	Intraspecific aggression
1/5/2011	FP141	M	8.5	Private property, Hendry Co.	Unknown
1/7/2011	K284	M	1.5	SR 29, S of Sears Rd., Hendry Co.	Vehicle
1/13/2011	UCFP152	F	3	I-75, 98mm, eastbound, Collier Co.	Vehicle
1/21/2011	UCFP153	M	8 mo.	I-75, 98mm, westbound, Collier Co.	Vehicle
1/21/2011	UCFP154	M	8 mo.	Orange grove N of Sears Rd, Hendry Co.	Intraspecific aggression
2/23/2011	UCFP155	F	4	Golden Gate Estates	Illegally Shot
2/26/2011	UCFP156	M	3 to 4	I-75, near 114mm, Collier Co.	Vehicle
3/2/2011	FP170	F	4.5	PSSF, Swan Lake Prairie, Collier Co.	Intraspecific aggression
3/15/2011	UCFP157	F	>3	SBCNP	Unknown (skeletal remains)
3/17/2011	UCFP158	M		Seminole Co.	Under Investigation
3/25/2011	UCFP159	F	4 to 5	SR 29, near Farmworkers Village	Vehicle (survived gunshot to head)

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3/25/2011	FP83	F	11 10 mo.	US 41, W of Port of the Islands, Collier Co.	Vehicle
4/30/2011	UCFP160	M	12 to 14 mo.	US 41, between 40 and 50 mile bend, Miami-Dade Co.	Vehicle
5/3/2011	K322	F	5 wks.	SBCNP, Collier Co.	Wildfire
5/3/2011	K323	M	5 wks.	SBCNP, Collier Co.	Wildfire
5/3/2011	K324	M	5 wks.	SBCNP, Collier Co.	Wildfire
5/3/2011	K325	M	5 wks.	SBCNP, Collier Co.	Wildfire
6/1/2011	FP186	M	11.5 mo.	CREW, Bird Rookery Swamp, Collier Co.	Intraspecific aggression
7/6/2011	UCFP161	M	7 to 9	Silver Strand Grove, N of Immokalee, Collier Co.	Intraspecific aggression
7/11/2011	UCFP162	M	1 to 1.5	SR 29, Owl Hammock Curve, Collier Co.	Vehicle
7/29/2011	FP156	M	6	PSSF, Belle Meade, Collier Co.	Pseudorabies
9/3/2011	UCFP163	M	3 to 4	Palmer Ranch, Hendry Co.	Unknown
9/14/2011	FP188	F	3.5	Private Land, Collier Co.	Unknown
9/19/2011	UCFP164	F	3 to 4	SR 29, Owl Hammock Curve, Collier Co.	Vehicle
10/30/2011	UCFP165	F	3 to 4	SR 29, Collier-Hendry line	Vehicle
1/2/2012	UCFP166	M	4 to 5	SR 82, 3.8km W of SR 29, Collier Co.	Vehicle
1/5/2012	FP189	M	3.5	Tomato field S of Oil Well Rd, Collier Co.	Intraspecific aggression
1/7/2012	UCFP167	F	4	US 41, 0.5km W of Manatee Rd, Collier Co.	Vehicle
1/13/2012	FP194	M	20 mo.	SBCNP, Collier Co.	Intraspecific aggression
2/6/2012	UCFP168	M	5	US 41, 0.4km E of Bass Rd, Collier Co.	Vehicle
2/23/2012	K351	M	12 days	SBCNP, Collier Co.	Malnutrition
2/27/2012	FP133	M	12	FSSP, Collier Co.	Intraspecific aggression
3/13/2012	TX106	F	21	White Oak Conservation Center, (in captivity)	Age related- cancer
3/31/2012	UCFP190	U	U	US 41, W of Trail Lakes Campground; Ducati panther	Vehicle- injured
4/7/2012	UCFP169	M	9 wks.	Orange grove N of Church Rd., Hendry Co.	Vehicle
4/16/2012	UCFP170	M	3 to 4	Alico Rd, 0.1 km W of Airport Haul Rd, Lee Co.	Vehicle
5/18/2012	FP212	M	3	2 km NW of CR 846 and County Line Rd intersection	Intraspecific aggression
5/21/2012	FP211	M	2	Orange grove 8.7km SE of prison, Hendry Co.	Intraspecific aggression
5/23/2012	UCFP171	M	1.5 to 2	SR80, 23km E of I-75, Lee Co.	Vehicle
5/26/2012	UCFP172	M	4 mo.	Found injured on SR82, E of Church Rd., Lee Co.	Vehicle - rescued but died in captivity
6/19/2012	UCFP173	F	7 mo.	CR 846, 2.4 km E of Oil Well Grade Rd, Collier Co.	Vehicle
7/18/2012	FP197	M	4.5	Port Authority Mitigation Land, Lee Co.	Unknown
8/28/2012	UCFP174	M	10 mo.	Private property, N of CR 832, E of OSSF, Hendry Co.	Intraspecific aggression
8/31/2012	FP79	M	17	Captivity, F1 panther originally radiocollared in BCNP	Euthanasia- cancer
10/6/2012	FP196	F	2.5	US 41, 1.4km E of San Marco Rd, Collier Co.	Vehicle
10/8/2012	UCFP175	M	12 to 14 mo.	SR 29, 2.7km N of US 41, Collier Co.	Vehicle
10/9/2012	UCFP176	F	3 mo.	Immokalee Rd, 2 miles N of fairgrounds, Collier Co.	Vehicle
11/4/2012	UCFP177	F	4 mo.	18th Ave NE, Golden Gate Estates, Collier Co.	Vehicle

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11/14/2012	UCFP178	F	1	SR 29, 1.5 miles S of I-75, Collier Co.	Vehicle
11/19/2012	UCFP179	M	3	SR 29, Owl Hammock Curve, Collier Co.	Vehicle
11/19/2012	UCFP180	M	4 to 5	US 41, 0.5 miles W of Manatee Road, Collier Co.	Vehicle
11/26/2012	UCFP181	F	2 to 3 mo.	Immokalee Rd, 3.6 miles N of Oil Well Rd, Collier Co.	Vehicle
12/9/2012	UCFP182	M	3	SR 528, Orange Co.	Vehicle
12/11/2012	FP182	F	3.8	US 41, near Turner River canoe launch, Collier Co.	Vehicle
12/28/2012	UCFP183	U	unknown	CR 835, 0.21km S of Dooley Grade Rd, Hendry Co.	Vehicle
1/1/2013	UCFP184	F	7 mo.	CR 833, 2 miles E CR 846, Hendry Co.	Vehicle
1/3/2013	UCFP185	M	10 mo.	SR 29, 600 ft. S Oil Well Rd, Collier Co.	Vehicle
1/26/2013	UCFP186	M	2 to 4	Sadie Cypress, 2 miles S 846, Collier Co.	Intraspecific aggression
1/31/2013	UCFP187	F	4 mo.	CR835, Hendry Co.	Vehicle
2/1/2013	UCFP188	M	2 to 3	OSSF, S of Dove Field Rd, Hendry Co.	Unknown
2/20/2013	UCFP189	F	5 to 6 mo.	Everglades Blvd S, Golden Gate Estates, Collier Co.	Vehicle
3/16/2013	UCFP191	M	2 to 3	SR 80, just E of Labelle, Hendry Co.	Vehicle
4/26/2013	FP184	F	5 to 6	NBCNP, Collier Co.	Intraspecific aggression
4/28/2013	UCFP192	F	10	CR 846, 2.3 miles W of County Line Road, Collier Co.	Vehicle
5/13/2013	FP224	F	9 mo.	12 Street NE, Golden Gate Estates, Collier Co.	Vehicle-injured
5/31/2013	UCFP193	M	2	US 192, E of Triple N WMA, Osceola Co.	Vehicle
6/29/2013	UCFP194	M	2-3	Orange River Rd, 1.2km E of Staley Rd, Lee Co.	Vehicle
7/8/2013	UCFP195	M	2 to 3	CR 846, 7.9km E of County Line Rd, Hendry Co.	Vehicle
7/15/2013	UCFP196	M	2 to 3	I-75, 96.5mm, Collier Co.	Vehicle
8/7/2013	UCFP197	F	16 mo.	US41, 2.4km W of Oasis, Collier Co.	Vehicle
8/19/2013	UCFP198	F	3	I-75, 93 MM on Miller Canal Bridge, Collier Co.	Vehicle
9/20/2013	UCFP199	M	4	CR951, Collier Co.	Vehicle
11/12/2013	UCFP200	M	2-3	Treeline Ave. N of Daniels Pkwy., Lee Co.	Vehicle
12/2/2013	UCFP201	M	1	Northbound I75 W of Faka Union MM92, Collier Co.	Vehicle
12/7/2013	K368	F	1.5	Big Cypress National Preserve, Collier Co.	Illegally Shot
12/11/2013	UCFP202	U	9 mo.	FL Panther National Wildlife Refuge, Collier Co.	Intraspecific Aggression
1/2/2014	UCFP203	M	2-3	I-75 near MM 111, Collier Co.	Vehicle
1/4/2014	FP223	M	2.7	Private Land, Hendry Co.	Pneumonia
1/22/2014	UCFP204	M	1.5	SR 29, Owl Hammock Curve, Collier Co.	Vehicle
1/23/2014	UCFP205	M	7 days	Yuma- FPNWR, Collier Co.	Hypothermic – CAPTIVITY HOMOSASSA SPRGS.
1/24/2014	FP175	F	6.5	BCNP Addition Lands, Collier Co.	Peritonitis
3/1/2014	UCFP206	M	3	SR80, Lee/Hendry Co line	Vehicle
3/8/2014	UCFP207	M	1.5	CR 833, Hendry Co.	Vehicle
3/17/2014	FP228	M	4	Everglades/Francis Taylor WMA, Broward Co.	Vehicle
3/29/2014	UCFP208	U	2	Concho Billy Trail, SBCNP	Intraspecific Aggression

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4/3/2014	UCFP209	M	3 to 5	CR 833, just S of CR 832, Hendry Co.	Vehicle
4/8/2014	UCFP210	M	2 to 3	CR 846, 6 miles E of Immokalee, Collier Co.	Vehicle
4/11/2014	UCFP211	U	8 to 10 mo.	Belle Meade, PSSF, Collier Co.	Intraspecific Aggression
4/14/2014	UCFP212	M	4 to 5	US27, N of Lake Placid, Highlands Co.	Vehicle
4/14/2014	FP232	M	3	East Broadway Street, Ft. Meade, Polk Co.	Vehicle - injured
4/25/2014	FP163	M	7.2	Co Line Rd, Collier/Hendry Co. Line	Vehicle
4/25/2014	FP231	M	2	Golden Gate Blvd, just W of Everglades, Collier Co	Vehicle - injured
5/1/2014	UCFP213	F	3	I-75 near MM 134, Lee Co.	Vehicle
5/16/2014	UCFP214	M	14 mo.	Oil Well Rd, E of Pacific Grade, Collier Co.	Vehicle
6/12/2014	K390/UCFP215	F	1-2	US41, SE of Collier Seminole SP, Collier Co.	Vehicle
6/25/2014	UCFP216	F	1	Corkscrew Rd, near CREW gate 5, Lee/Collier Co. line	Vehicle
7/1/2014	TX105	F	22	White Oak Conservation Center, (died in captivity)	Age related- Renal failure
7/16/2014	FP177	M	7	BCNP - North Addition Lands, Collier Co.	Intraspecific Aggression
8/4/2014	FP231	M	2.5yrs	Golden Gate Estates, Collier Co.	Unknown
8/6/2014	UCFP217	F	2	CR833, between CR 832 and SR 80, Hendry Co.	Vehicle
8/24/2014	UCFP218	F	4 mo.	Immokalee Rd/Wildwood Blvd, Collier Co.	Vehicle
8/24/2014	UCFP219	M	4 mo.	Immokalee Rd/Krape Rd, Collier Co.	Vehicle
9/2/2014	UCFP220	F	3 to 4	CR833, N of BCSIR, Hendry Co.	Vehicle
9/3/2014	FP66	F	17	Homosassa Springs Wildlife Park (died in captivity)	Age related
10/11/2014	UCFP221	M	2	Uno - Found blinded by shotgun on CR 846, Collier Co.	CAPTIVITY - NAPLES ZOO
10/20/2014	UCFP222	M	3	Florida's Turnpike, MM 192, Yeehaw Junction, Osceola Co.	Vehicle
11/13/2014	UCFP223	F	3-4	County Line Road, just S of CR846, Collier Co.	Vehicle
11/14/2014	FP229	F	4-5	Northern Addition Lands, BCNP, Collier Co.	Unknown
11/21/2014	K434	F	11 wks.	Parker's Hammock Road, Collier Co.	Separated from dam, CAPTIVITY – MIAMI ZOO
11/28/2014	UCFP224	M	6 mo.	Golden Gate Blvd/6th St NE, Collier Co.	Vehicle
12/18/2014	UCFP225	M	4	Flaghole Road, 8km S of US27, Hendry Co.	Vehicle
12/18/2014	UCFP226	M	3	Collier Blvd, 2.4km S of US41, Collier Co.	Vehicle
12/19/2014	UCFP227	M	2	US41, MM 57, 3.8 km W of Oasis, Collier Co.	Vehicle
12/28/2014	UCFP228	M	2	Golden Gate Blvd/10th St NE, Collier Co.	Vehicle
12/30/2014	UCFP229	F	2.5	16th ST SE, Golden Gate Estates, Collier Co.	Vehicle
12/31/2014	FP213	F	5.5	Dinner Island Ranch WMA, Hendry Co.	Intraspecific Aggression
1/16/2015	UCFP230	F	1.5	I-75 1/2 mile E of toll booth, Collier Co.	Vehicle
1/20/2015	UCFP231	F	1.5	Immokalee Rd, 250m S of Bethune RD, Collier Co	Vehicle
1/24/2015	UCFP232	M	4	MM132, I75, Lee Co.	Vehicle
1/25/2015	UCFP233	M	5-6	MM95, I75, Collier Co.	Vehicle
1/29/2015	UCFP234	U	U	Corkscrew Swamp Sanctuary, Collier Co. (skeletal)	Unknown (skeletal remains)
2/6/2015	UCFP235	U	10 mo.	Golden Gate Estates, Collier Co.	Unknown

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2/13/2015	FP191	F	16	Big Cypress National Preserve, Collier Co.	Unknown
2/15/2015	UCFP236	M	1	CR846, 1/2 mi S of CR833 intersection, Hendry Co.	Vehicle
2/25/2015	FP183	M	9	SR29, 2.75 mi S of I-75, Collier Co.	Vehicle
3/7/2015	K402	M	1.5	I-75, 0.5 miles S of Exit 123, Corkscrew Road, Lee Co.	Vehicle
3/8/2015	UCFP237	M	2.5	CR951, 300 m N of Port au Prince Rd, Collier Co.	Vehicle
3/20/2015	FP148	F	11.5	Picayune Strand State Forest, Collier Co.	Intraspecific Aggression
3/22/2015	UCFP238	M	5	Immokalee Road, 3.4km W of Camp Keais Rd., Collier Co.	Illegally Shot
3/30/2015	FP237	M	1	Audubon's Corkscrew Swamp Sanctuary, Collier Co.	Intraspecific Aggression
4/3/2015	UCFP239	M	3 to 4	I-75, 1.1 miles E of toll booth, Collier Co.	Vehicle
4/13/2015	UCFP240	F	1	SR29, 1.3 mi N. of CR858, Collier Co.	Vehicle
4/27/2015	FP159	M	12 to 13	Private land, 2 miles N of Corkscrew Rd., Lee Co.	Unknown
4/30/2015	UCFP241	M	2 to 3	I-75, 0.5 miles S of Exit 123, Corkscrew Road, Lee Co.	Vehicle
5/19/2015	UCFP242	F	3	CR833, 1/4 mi south of CR832, Hendry Co.	Vehicle
6/11/2015	UCFP243	M	4	US 41, BCNP, Collier Co.	Vehicle
6/16/2015	FP153	F	14	BCNP, Collier Co.	Unknown
7/5/2015	UCFP244	M	1.5	Immokalee Rd., 0.4 mi south of Wild Turkey Dr., Collier Co.	Vehicle
7/8/2015	UCFP245	M	10 to 11 mo.	Daniels Pkwy, 1 mi SW of SR82, Lee Co.	Vehicle
7/1/2015	UCFP246	U	2 wks.	Lee County Port Authority Mitigation Land, Lee Co.	Unknown
7/13/2015	UCFP247	M	2 to 3	SR80, 5 mi west of LaBelle, Hendry Co.	Vehicle
7/30/2015	UCFP248	F	4 to 5 mo.	Golden Gate Blvd, Collier Co.	Vehicle
8/9/2015	FP240	F	2.7	Deep Lake Unit of Big Cypress NP, Collier Co.	Intraspecific Aggression
9/18/2015	FP219	F	4.3	I-75, just west of exit 101, Collier Co.	Vehicle
9/22/2015	UCFP249	M	4 mo.	CR858, 1/4 mi west of County Line Rd, Collier Co.	Vehicle
9/28/2015	UCFP250	M	3 to 4	US41, just west of Trail Lakes Campground, Collier Co.	Vehicle
9/30/2015	K432	F	13 mo.	I-75, MM102, Collier Co.	Vehicle
10/8/2015	UCFP251	F	3	US 41, west of CR 92, Collier Co.	Vehicle
10/23/2015	FP222	F	10.5	I75, MM90, Collier Co.	Vehicle
10/31/2015	UCFP252	M	4 mo.	CSSP near boat ramp, Collier. Co.	Emaciation due to orphaning
11/2/2015	UCFP253	F	4 mo.	CSSP campground, Collier Co.	Orphaned, CAPTIVITY – PALM BEACH ZOO
11/23/2015	UCFP254	M	8 to 10 mo.	CR846, just W Everglades Blvd., Collier Co.	Vehicle
11/25/2015	K387	M	2.8	SR29 between Pollywog Rd and SR78, Glades Co.	Vehicle
12/2/2015	FP93	F	16.8	Turner River Unit, BCNP, Collier Co.	Unknown (skeletal remains)
12/8/2015	UCFP255	F	1	CR832, Hendry Co.	Vehicle
12/15/2015	UCFP256	F	2.5	Corkscrew Road, Collier Co.	Vehicle
12/16/2015	UCFP257	M	6	CR835, 2.5 km S of Dooley Grade Rd, Hendry Co.	Vehicle
12/21/2015	UCFP258	M	1	SR29, Owl Hammock Curve, Collier Co.	Vehicle
12/30/2015	UCFP259	F	7 mo.	CR832, 3 mi west of CR833, Hendry Co.	Vehicle

Date	Panther ID	Sex	Age	Location ^a	Cause
1/3/2016	UCFP260	M	6 mo.	18th Ave SE, W of Desoto, Collier Co.	Unknown
1/18/2016	UCFP261	M	3 mo.	Sakata Farms off SR82, Lee Co.	Orphaned. CAPTIVITY – HOMOSASSA SPRGS.
1/20/2016	UCFP262	F	7 to 9 mo.	Daniel's Parkway, 1/2 mile east of Treeline Avenue, Lee Co.	Vehicle
1/21/2016	UCFP263	M	2 to 3	Florida Tnpk, S of Ft. Drum Service Plaza, Okeechobee Co.	Vehicle
1/30/2016	UCFP264	F	4	SR82, 1.4 km west of Church Rd, Hendry Co.	Vehicle
2/2/2016	UCFP265	M	2 to 3	I75, 2 km north of Daniel's Parkway, Lee Co.	Vehicle
2/12/2016	UCFP266	F	1.5 to 2	SR82, near Sparta Avenue, Lee Co.	Vehicle
2/15/2016	UCFP267	U	5 to 6 mo.	SR82, just E of Hendry Co line, Collier Co.	Vehicle
2/17/2016	UCFP268	M	4	SR 82, 1.25 miles E of Corkscrew Road, Collier Co.	Vehicle
2/18/2016	UCFP269	U	2	Private Property S of CR864, W of CR951, Collier Co.	Unknown
3/5/2016	UCFP270	U	2 to 4	NBCNP, Addition Lands Unit, west of L28I, Collier Co.	Under Investigation
3/10/2016	UCFP271	M	3	Polk Parkway (SR570) west of Lakeland, Polk Co.	Vehicle
3/25/2016	UCFP272	M	14 to 16 mo.	Golden Gate Blvd., 0.3 miles east of CR951, Collier Co.	Vehicle
4/1/2016	UCFP273	U	1	I-75, near MM96 bordering Belle Meade, Collier Co.	Vehicle
4/6/2016	UCFP274	M	3	I-75, near Luckett Rd Exit, MM138, Lee Co.	Vehicle
4/6/2016	UCFP275	M	3	Immokalee Rd, 4km east of CR951, Collier Co.	Vehicle
4/9/2016	UCFP276	M	4-5	I-75, 0.6 mi south of Bonita Beach Rd, Lee Co.	Vehicle
4/10/2016	UCFP277	M	5 to 6 mo.	Golden Gate Blvd, just east of 22nd St NE, Collier Co.	Vehicle
4/15/2016	UCFP278	M	16 to 18 mo.	Randall Blvd, 110 m east of 16th St. NE, Collier Co.	Vehicle
4/26/2016	UCFP279	F	3 to 4	I-75, southbound at 122 MM, Lee Co.	Vehicle
4/26/2016	UCFP280	M	1	CR833, 735m north of junction with CR835, Hendry Co.	Vehicle
4/28/2016	UCFP281	M	4	OSSF, 3.5 mi N of Keri Rd, Twin Mills Grade, Hendry Co.	Intraspecific Aggression
5/3/2016	UCFP282	M	2 to 3	SR 29, 1/4 mi N of US 41, Collier Co.	Vehicle
5/6/2016	FP162	F	11	SBCNP, Turner River Unit, Collier Co.	Intraspecific Aggression
5/26/2016	K403	F	4	Daniel's Parkway junc. with Commerce Lakes Drive, Lee Co.	Vehicle
5/26/2016	UCFP283	M	2	US 27 near Venus, Highlands Co.	Vehicle
6/16/2016	UCFP284	F	6 mo.	CR 858 at Camp Keais Road, Collier Co.	Vehicle
6/22/2016	FP215	F	11	Private Property NW of FPNWR, Collier Co.	Unknown

^a BCSIR = Big Cypress Seminole Indian Reservation; CREW = Corkscrew Regional Ecosystem Watershed; EVER = Everglades National Park; FPNWR = Florida Panther National Wildlife Refuge; FSPSP = Fakahatchee Strand Preserve State Park; NBCNP = Big Cypress National Preserve north of Interstate 75; OSSF = Okaloacoochee Slough State Forest; PSSF = Picayune Strand State Forest/Wildlife Management Area.; SBCNP = Big Cypress National Preserve south of Interstate 75.

FPRMTF: FUNDING INFORMATION AS OF 30 JUNE 2016

Beginning Balance July 1, 2015	\$ <u>2,436,636</u>
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Fiscal Year 2015-2016 Actual Revenue

Panther License Plate Annual Use Fees	\$ 1,265,645
Interest Earnings	35,466
Donations	8,452

Total Revenue	<u>\$1,309,563</u>
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Fiscal Year 2015-2016 Expenditures

Law Enforcement	\$348,938
Panther Management	517,177
Panther Research	353,517
Administration Overhead	109,212
Service Charge to General Revenue	104,784

Total Expenditures	<u>\$1,433,629</u>
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Projected Fund Balance June 30, 2016	<u>\$2,312,570</u>
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FWC Florida Panther Management Operating Program Appropriations

Division of Law Enforcement	\$348,938
Division of Habitat and Species	617,212
Conservation	376,500
Fish and Wildlife Research Institute	

\$ 1,342,650

Total Florida Panther Program Appropriations

29 September 2016