State-wide Survey for Ornate Box Turtle (*Terrepene ornata*)
Final Report
11-L03W

Grantee:
The Conservation Foundation

Project Timeframe: February 14, 2011 - December 31, 2012

Grantee Representative:
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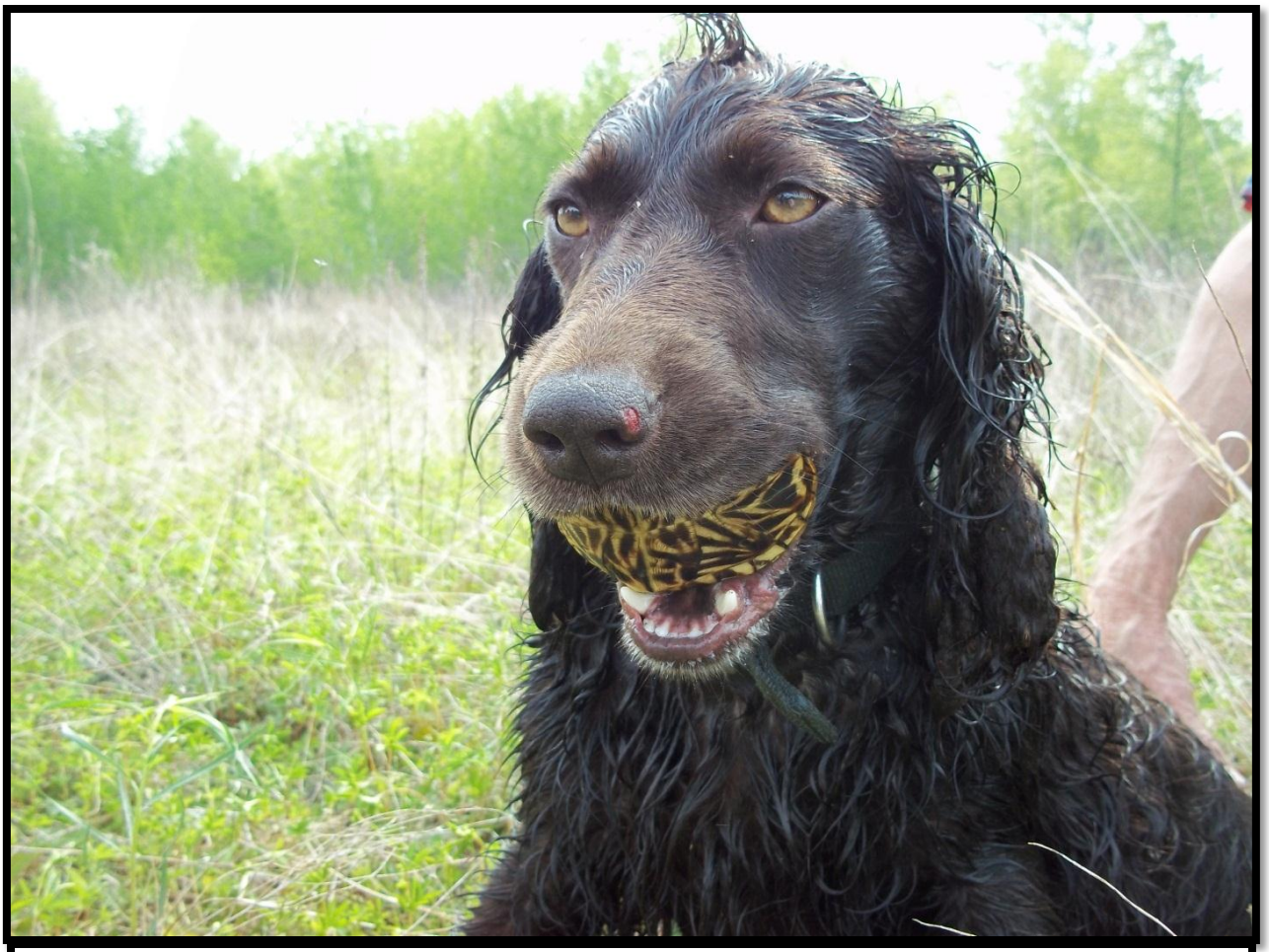
Project Objectives:
The objectives of this project were to complete a pilot survey to determine present occupancy of historic sites and locate new sites for the ornate box turtle in Illinois. The surveys assessed presence/absence; gathered data on any live specimens encountered and marked turtles for future identification. Since recent records are available for only 11 counties of the previously known 45 counties of existence, these surveys will begin to give a more current picture of where this species continues to exist in these parts of Illinois. We also hope that this pilot would provide a model for future survey work, and long-term monitoring of the ornate box turtle throughout its historic range in Illinois.

Completed Project Summary:
The original project was amended to include the use of specially trained Boykin Spaniels to survey for ornate box turtle at sites across the state in addition to volunteer survey on foot or by car. The use of the dogs proved to be instrumental in finding the turtles in all types of habitat. Nearly all of the 20 turtles found over the survey period were found by the dogs with the exception of several of the turtles that were found at Goose Lake State Park. This was due to the very recent prescribed burn at Collins Station Prairie that cleared the vegetation and made it much easier to find the turtles. The downside to the late burn/early warm weather was that two turtles were killed in the fire and two additional ones were injured and had to be removed from the site to seek veterinary care. Both were taken to a veterinarian by Dan Kirk (IDNR) but neither survived. Twenty-eight visits were made in the spring of 2011 and the spring of 2012 with the Turtle Dogs and four additional visits were made to two other locations by foot and by car by volunteers. Overall 31 visits were made to 29 different locations in 13 counties. Twenty individual ornate box turtles were found at seven different sites in six counties.



The Boykin Spaniels will bring back turtles in their mouths, like most hunting dogs they have very "soft" mouths and do not harm the turtles. They also do not distinguish between turtle species – this one got bit in the nose by a red-eared slider it picked up at Wayne Fitzgerald State Park.

Project Methodology:

The original proposal was to rely heavily on the use of volunteers to search historic locations on foot or by road surveys after a rain through areas of potential habitat; both of these methods have historically been effective when populations were larger. After submitting the original proposal we learned of the use of specially trained dogs on surveys completed by US Fish & Wildlife Service at the Upper Mississippi River Wildlife Refuge. The use of the dogs has been shown to be much more effective than human (on foot) surveyors in finding these elusive turtles, particularly when they are under any kind of vegetation or slightly buried in the ground. Based on discussions with Ed Britton from USFWS we requested a modification to the original grant scope to include the use of dogs as part of our survey. Contracting with the Tennessee Turtle Dogs was also very cost effective with rates of $175-$225 per day plus travel. Overall the dogs found 18 of the 20 turtles found. The Tennessee Turtle Dogs have also been contracted by several other site managers or researchers in the state including multiple contracts at the Upper Mississippi Wildlife Refuge in 2010 and 2011, a researcher working at Nachusa

Grasslands in 2012 and they will be working with the Forest Preserve District of Will County in 2013.

Site Selection:
Historically the Ornate Box Turtle was found in 45 counties across the state representing areas within the Southern Till Plain, Rock River Hill Country, Kankakee Sands and marginal areas of the Grand Prairie Natural Divisions. Survey sites were identified in each natural division based on record data from the Illinois Natural History Survey that did not have recent (after 2000) records of the turtles. We started with a list of sites in the Illinois counties of Stephenson, Winnebago, Ogle, Carroll, Lee, Whiteside, Kankakee, Will & Grundy; Fulton, Tazewell, Mason, Menard, Cass, Pike, Morgan, Sangamon, Macoupin, Montgomery, Shelby, Coles, & Edgar; Cumberland, Clark, Jasper, Crawford, Effingham, Fayette, Bond, Madison, St. Clair, Monroe, Randolph, Clinton, Washington, Perry, Jackson, Marion, Jefferson, Franklin, Clay, Richland, & Wayne. We worked with Illinois DNR District Biologists to further refine site selection based on whether or not appropriate habitat was still available, landowner willingness, and whether or not Prairie Chickens were on site. Preserve managers did not want the dogs to be used on sites during the Prairie Chicken nesting and fledging period. Most sites identified were on state owned lands.

A male ornate box turtle found at Anderson Savanna Nature Preserve in Kankakee County

Table 1. Survey Sites

Site Name	County
Wayne Fitzgerald State Park	Franklin
Goose Lake State Park	Grundy
Hooper Branch Savanna	Iroquois
Maskoda Preserve TNC	Kankakee
Carl Beckler NP & Anderson Savanna	Kankakee
Sweet Fern Savanna	Kankakee
Sand Prairie Scrub Oak NP	Mason
Sand Ridge State Forest Complex	Mason
Sand Ridge State Forest Complex - Gleason NP	Mason
Sparks Pond NP	Mason
Sand Ridge State Forest Complex	Mason
Sand Prairie Scrub Oak NP	Mason
Sand Ridge State Forest Complex	Mason
Dr. Warren Barrow - Private Land	Morgan
Pine Rock NP	Ogle
Pearl Farm	Pike
Schuline Road Eden to Evansville	Randolph
Freiburg - Private Land	Scott
Washington County State Conservation Area	Washington
Wilmington Shrub Prairie NP	Will
Hitts Siding NP	Will
Braidwood Dunes	Will
Sand Ridge Savanna	Will
Braidwood Dunes & Savanna NP	Will
Sugar River Alder Preserve	Winnebago
Colored Sands Savanna	Winnebago

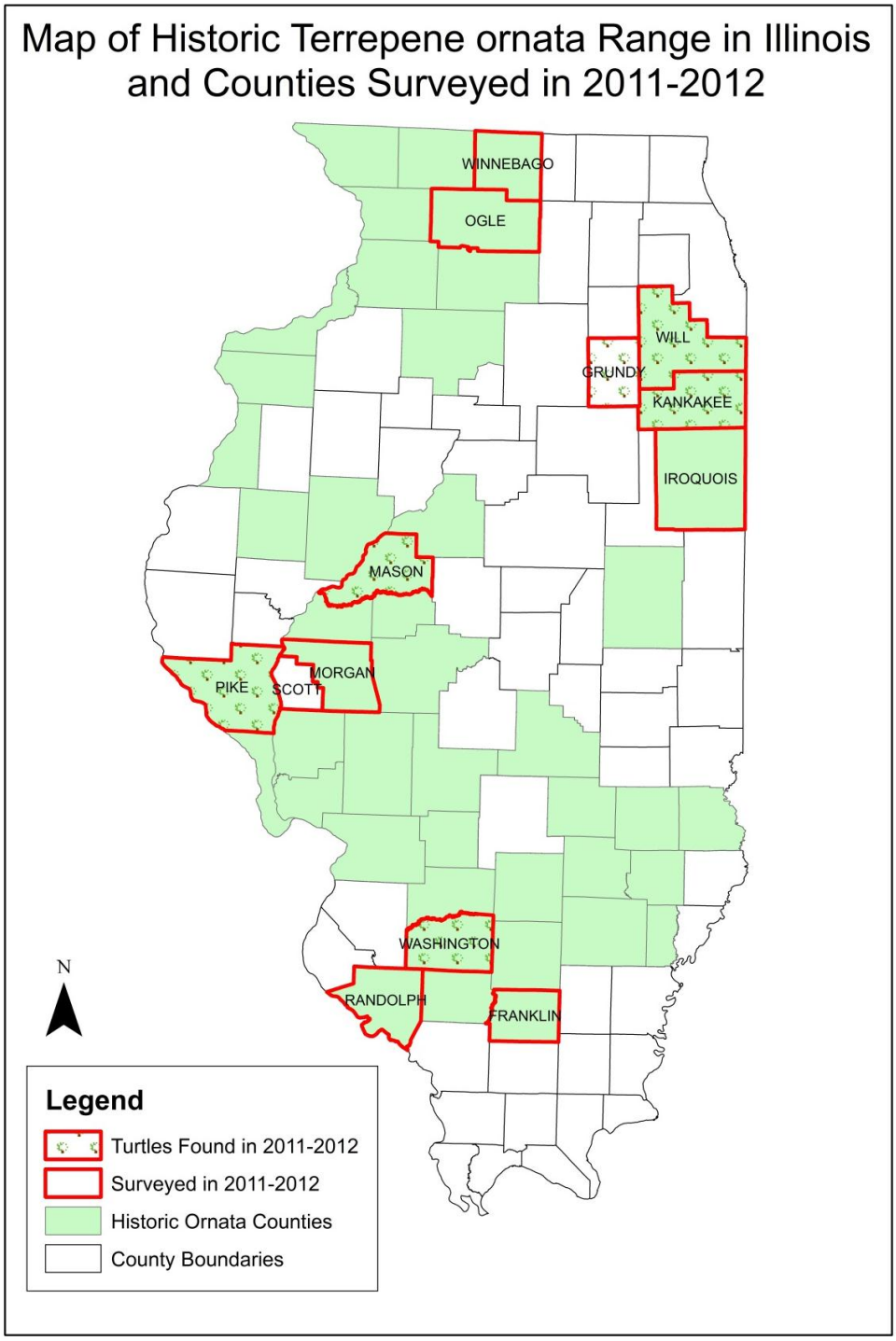
Survey Protocols:

Protocols for this survey were developed based on similar surveys for other sand associated herps. Equipment kits consisted of calipers, two spring scales, and files for gathering information on captured turtles. A soil thermometer, kestrel weather meter and GPS were also used to collect site information. Search Effort forms (based on similar forms developed by the Illinois Natural History Survey for amphibian and reptile surveys) were filled out for every site (Attachment 1) with information on site location, date, time, weather, soil temperature, observers, time started and ended, number Ornate Box Turtles found, numbers of other reptiles found. Additionally, Box Turtle Capture Sheets were completed for every individual found (Attachment 2). This included information on location, weather conditions, soil temp, habitat description, size, sex, distinctive markings and location of file notch. All individuals were notched with a file along one of the marginal scutes of the carapace for future identification, photographed, and then released at its site of capture the same day.

Weather and location data was collected at the beginning of each survey prior to letting the dogs start. Start and stop time was recorded and “penalty time” was tracked when observers

needed to stop to collect data on captured turtles. Dogs were guided through as much of the available habitat on the site and observers searched while walking behind the dogs. Total search time was recorded to quantify search effort. Weather information was also recorded at the end of the survey.

Figure 1. Map of Historic Range and 2011-2012 Survey



Survey Data:
Twenty-eight visits were made in the spring of 2011 and the spring of 2012 with the Tennessee Turtle Dogs and four additional visits were made to two other locations by foot and by car by volunteers. Overall 31 visits were made to 29 different locations in 13 counties. Twenty individuals were found at seven different sites in six counties. In addition, while at the Washington County site, 28 eastern box turtles were found by the Tennessee Turtle dogs during the same period during which two ornate box turtles were found.

As an initial statewide survey we were successful at confirming presences in six counties – Grundy, Kankakee, Mason, Pike, Washington and Will, but there is still much work to do. Weather conditions in 2012 were not ideal with cooler than normal temperatures during the April and May period following egress from hibernation, followed by severe drought and high temperatures in the summer. Ornate Box Turtles are generally not very active during cooler early season temperatures, and may have remained buried to escape hot and dry conditions later in the season. This was also confirmed with conversations with Ed Britton from USFWS at the Upper Mississippi Wildlife Refuge where radio tagged turtles were not nearly as active in early May 2012 as they were in previous years. Several sites have a lot more suitable habitat than could be surveyed with the time allotted including Goose Lake SP, the Kankakee Sands region, and Winnebago County. It would also be advised to visit more sites in the Pearl/Nebo area where there are a number of private lands that have suitable habitat contiguous with where we found 4 individuals. IDNR Natural Heritage Biologist Dean Corgiat reported a landowner contact in early 2013 during which the landowner showed him a shell of a dead ornate box turtle from his property. The site where the shell originated was >3 miles from the site where they were detected by dogs in 2011. There is a great deal of similar habitat in this part of Pike County. Overall the number of individuals we found does not bode well for a species that take 10-15 years to reach maturity and has low reproduction rates. From data collected outside of this project there are only two sites in the state that have numbers that may represent viable populations – the greater Upper Mississippi Wildlife Refuge area and the Nachusa Grasslands area. Exact survey locations can be provided as necessary.

Table 2. Survey Results by Site

Site Name	Date	Total Human Time	Total Dog Time	# found	County
Wayne Fitzgerald State Park	5/9/2011	234	156	0	Franklin
Wayne Fitzgerald State Park	5/9/2011	399	207	0	Franklin
Goose Lake State Park	4/26/2012	771	384	4	Grundy
Hooper Branch	5/11/2011	522	348	0	Iroquois
Maskoda Preserve TNC	5/12/2011	452	296	0	Kankakee
Carl Beckler NP & Anderson Savanna	5/12/2011	1125	620	2	Kankakee
Sweet Fern Savanna	4/29/2012	313	285	0	Kankakee
Sand Prairie Scrub Oak NP	4/23/2012	472	359	0	Mason

Sand Ridge State Forest Complex	4/23/2012	160	240	0	Mason
Sand Ridge State Forest Complex	4/24/2012	236	384	0	Mason
Sparks Pond Natural Area	4/24/2012	352	204	0	Mason
Sand Ridge State Forest Complex	4/24/2012	380	228	0	Mason
Sand Prairie Scrub Oak NP	4/25/2012	186	186	0	Mason
Sand Ridge State Forest Complex	4/26/2012	225	255	3	Mason
Dr. Warren Barrow Private Land	5/10/2011	155	31	0	Morgan
Pine Rock NP	5/19/2012	130	0	0	Ogle
Pine Rock NP	6/19/2012	115	0	0	Ogle
Pine Rock NP	6/30/2012	120	0	0	Ogle
Pearl Farm	5/10/2011	303	328	4	Pike
Schuline Road Eden to Evansville	9/2/2012	115	0	0	Randolph
Freiburg Private Land	5/10/2011	265	106	0	Scott
Washington County State Conservation Area	5/9/2011	740	560	2	Washington
Washington County State Conservation Area	5/9/2011	110	78	0	Washington
Wilmington Shrub Prairie	5/13/2011	812	426	4	Will
Hitts Siding	5/13/2011	960	280	1	Will
Braidwood Dunes	4/27/2012	840	315	0	Will
Sand Ridge Savanna	4/30/2012	672	336	0	Will
Braidwood Dunes & Savanna	4/27/2013	664	249	0	Will
Sugar River Alder Preserve	5/1/2012	152	228	0	Winnebago
Sugar River Alder Preserve	5/1/2012	208	156	0	Winnebago
Colored Sands Savanna	5/2/2012	495	270	0	Winnebago
	TOTALS	12683	7515	20	

Permits:

The principal investigator applied for and received all needed permits including a scientific collecting permit, Illinois Nature Preserves Commission permit, Permit for surveying on state owned lands and an endangered/threatened species permit to allow temporary holding and data collection of any live or dead ornate box turtle encountered by them. We also received a permit from the Forest Preserve District of Will County.

Budget Summary:

We are requesting originally requested $9,780 to cover volunteer mileage and contractual services with the Tennessee Turtle Dogs. Final expenditures totaled $5,529.66 as detailed in the budget table below. Because all of the volunteers are trained professionals, or advanced amateur naturalists, the contributions of these initial volunteers are estimated at the equivalent of $40 hour. Matching funds totaled $16,480.78, providing an ~84% match to grant funds expended.

Table 3. Budget

DETAILED BUDGET					
			WPF Funds	Matching Funds	Total
Personnel	Rate	Qty.			
Business Manager	$55	5	$ 275.00		$ 275.00
Principal Investigator	$75	126.5		$ 9,487.50	$ 9,487.50
Volunteers	$40	145.75		$ 5,830.00	$ 5,830.00
Travel					
Mileage	$0.555	1202	$ 667.11		$ 667.11
Match Mileage	$ 0.555	2096		$ 1,163.28	
Equipment					
Materials & Supplies					
Contractual Services					
Tennessee Turtle Dogs 2011			$ 1,641.00		$ 1,641.00
Tennessee Turtle Dogs 2012			$ 2,946.55		$ 2,946.55
TOTALS			$ 5,529.66	$ 16,480.78	$ 20,847.16

Acknowledgements:
A special thanks to Scott Ballard from Illinois DNR, and Mike Redmer for volunteering their valuable input and time in selecting sites, contacting landowners and helping with the surveys.

Thanks you to those who provided assistance in the field: Dean Corgiat, Tim Kelley, Joe Kath, Dan Kirk, Bob Massey, Terry Esker, Scott Simpson, all from Illinois DNR, Kim Roman , INPC, Glen Buckner Forest Preserve District of Will County, Mike Groves, Eric Bednar and Michelle Vieau , Forest Preserve District of Winnebago County, Rob Litgen, Nature Conservancy from Kankakee area, Bill Glass, US Forest Service, Richard B. King, Northern Illinois University, and Matt Ignoffo and Anne Yen, volunteers.

Attachment 1. Survey Search Effort Form

Ornate Box Turtle Pilot Survey Search Effort Form

Population _____
Site name _____
Location Description* _____
Date of Survey _____ **UTM Northing** _____
_____ **UTM Easting** _____

	START	STOP
Time		**Time**
Shaded Air Temp		**Shaded Air Temp**
Substrate Temp		**Substrate Temp**
Wind Speed		**Wind Speed**
Humidity		**Humidity**
Cloud Cover	☐ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%	☐ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%
Precipitation	☐ none ☐ drizzle ☐ rain ☐ snow ☐ fog	☐ none ☐ drizzle ☐ rain ☐ snow ☐ fog
Precipitation in Previous 24 Hrs?	☐ Yes ☐ No	

Observer Name	**Time In**	**Time Out**	**Minutes****
		Subtotal	
		****Penalties**	
		Total	

Box Turtles/Other Sand Associated Herp Species Found

Onate BoxTurtle _____	Eastern Box Turtle _____	Prairie Racerunner _____
Milk Snake _____	Western Hognose Snake _____	Eastern Hognose Snake _____
Bullsnake _____	Illinois Mud Turtle _____	Racer _____

Notes/Comments

_____
_____
_____
_____

***Attach map if possible.**
****Each observer should keep track of own time. Use watch to keep track of minutes spent not searching for turtles (e.g., taking cell phone calls, etc.). Record this effort in rounded to whole minutes.**

Attachment 2. Individual Box Turtle Capture Sheet

Illinois Ornate Box Turtle Survey
Individual Box Turtle Capture Sheet
(Fill Out Each Time a Box Turtle of Either Species is Captured)

Species: ☐ ***T. ornata*** ☐ ***T. carolina***

Number (notch):

Sex:
☐ Male ☐ Female ☐ Unknown ☐ Unk (juvenile)

Capture: ☐ Initial ☐ Recapture

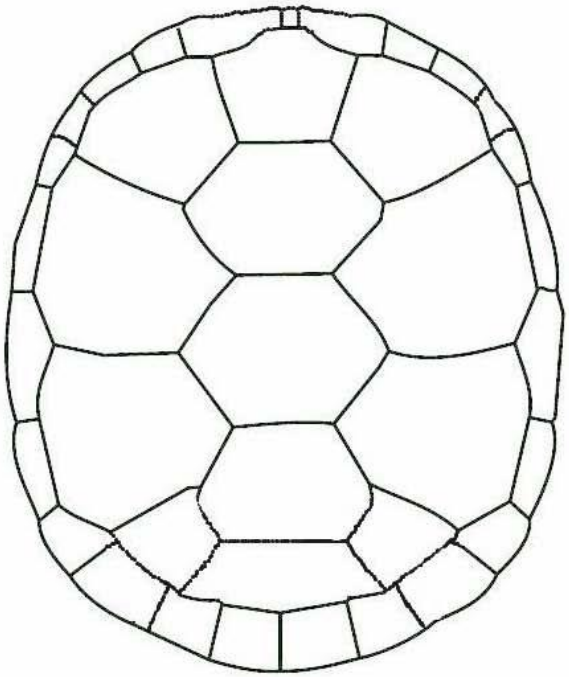
Re-notch necessary?: ☐ Yes ☐ No

If a Female, is it gravid?: ☐ Yes ☐ No ☐ Unsure

Date of Capture:

Time of Capture:

Sketch scute notches, and any abnormalities on carapace:



Method of Survey: ☐ Foot ☐ Road
☐ Dead on Road ☐ Other (describe):

Location:
Property/Name:_____
_____
Nearest Road Intersection:_____
_____
GPS UTM: _____ E _____ N ____+/-____

Habitat:
☐ Grassland/prairie ☐ Agricultural
☐ Woodland (>50% Canopy) ☐ Wetland
☐ On ground (grass/leaves/soil) ☐ On ground (road)
☐ In form/burrow ☐ Other (describe):

Measurements
CLength:_____cm
SWidth:_____cm
SHeight:_____cm
PLength:_____cm
Mass:_____g

Environmental Data at Capture:
Air temp:_____°C Water temp:_____°C
Humidity:_____% Wind speed:_____mp/s
Cloud cover: ☐ 0-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%
Precip: ☐ No Rain ☐ Light Rain ☐ Mod. Rain ☐ Hvy. Rain

Notes (use back if needed):

Appendix A – Photo log of captured Turtles

Kankakee County – Anderson Savanna NP- Juvenile R8 5-12-2011

Kankakee County – Anderson Savanna NP- Male R7 5-12-2011

Pike County – Brinkman Farm Pearl Nebo - Female R4 5-10-2011

Pike County – Brinkman Farm Pearl Nebo - Male L7 5-10-2011

Pike County – Brinkman Farm Pearl Nebo - Male L8 5-10-2011

Pike County – Brinkman Farm Pearl Nebo - Male R7 5-10-2011

Washington County – Washington County State Conservation Area - Female R3 5-9-2011

Washington County – Washington County State Conservation Area - Male R8 5-9-2011

Will County – Wilmington Shrub Prairie NP- Male L8 5-13-2011

Will County – Wilmington Shrub Prairie NP- Male L7 5-13-2011

Will County – Wilmington Shrub Prairie NP- Female R7 5-13-2011

Will County – Wilmington Shrub Prairie NP- Female R8 5-13-2011

Mason County Gleason Nature Preserve, Sand Ridge State Forest – Male 3L 4/26/2012

Grundy County – Collins Station Prairie, Goose Lake SP – Female 9L 4/26/2012

Grundy County – Collins Station Prairie, Goose Lake SP – Male 3L 4/26/2012

2011-2012 State-Wide Survey of Ornate Box Turtles—

Terrepene ornata

Final Report 11-L03W

Funded by the Illinois Wildlife Preservation Fund

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Conservationists can't find ornate box turtles in Winnebago Co

By Kevin Haas
RRSTAR.COM
Posted May 06, 2012 @ 07:16 PM

ROCKFORD — A search for a threatened turtle species in Winnebago County forest pı confirmed what officials expected: They're hard to find.

Conservationists spent two days last week searching the Sugar River corridor for orna found none.

The turtle has been found in Winnebago County preserves in the past and was the sub this week because the sandy-soil prairies here make an ideal habitat for the rare reptil

"We were hoping to see a better population because the habitat is right, but the popul is a small, sparse population," said Jennifer Hammer, a land conservation and restora with The Conservation Foundation, who coordinated the survey.

The small turtle, distinguished by bright yellow lines on a dark olive shell, can be diffi wild. It burrows into the sandy soil to hibernate during the winter. It also digs below g heat. The state has recognized the species as threatened — the level below endangered

Turtle dogs

Specially trained dogs offered some help to conservationists from the Winnebago Cou Preserve District and The Conservation Foundation in the search. The dogs, in this ca spaniels, came from Tennessee with owner John Rucker. Rucker owns Turtledogs, a c helps researchers track down turtles. The chocolate-colored, wavy-haired dogs stay wi Rucker, who occasionally calls them in or bellows out for them to "find me a turtle." T trained to track the scent of a turtle, follow its path, pick it up with a "soft mouth" and Rucker's hand. The turtles typically protect themselves during the ordeal by retracting

The dogs didn't find any turtles in Winnebago County during searches Tuesday and W proof that the turtles are few and far between.

"If there's a breeding population, they won't miss it," Rucker said.

Possibly endangered

Hammer received a nearly $10,000 grant from the Illinois Department of Natural Res its wildlife preservation fund, to survey ornate box turtles in Winnebago County and a counties.

The data she collects will be shared with the Illinois Endangered Species Protection B guide its decisions when the state's list of threatened and endangered species is revie which happens at least once every five years. Hammer said their findings, so far, sugg turtle to the Illinois endangered species list.

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Video

Video: Biologists search for threatened turtle in forest preserves

Ornate box turtles had historically occupied 44 counties in the state, but when the spe in 2009 it was found to occupy only about 21 counties, said Anne Mankowski, executi Illinois Endangered Species Protection Board. There are 484 endangered and threatei Illinois, which includes 332 plants and 152 animals.

Why it's threatened

The decline of the species is primarily from habitat destruction. The turtle can protect predators by retracting into its shell, but that doesn't protect it from cars. They're ofte cross roads, Hammer said.

The loss of habitat makes work by conservationists at the Winnebago County Forest P important for turtles, Hammer said. Annual controlled burns, which help curtail invas also help open up prairie so they're more suitable for the turtle, she said.

Wild ornate turtles are also on the decline because they're sought by poachers, who ill them from preserves and sell them on the black market, Mankowski said. Hammer sa have to be careful not to reveal precise locations of turtles because doing so would attr

Ornate box turtles "don't reach a breeding age until they're 15 to 20 years. They'll lay c anywhere from two to six eggs," Hammer said. "So you can see, if you start taking indi population and they're not running into each other as often for mating, then you get tl takes so long for them to get to a reproducing age."

Reach staff writer Kevin Haas at **khaas@rrstar.com** *or 815-987-1410.*

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Outdoors: Turtle-sniffing dogs hot on trail

05/27/2011, 10:59 am
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By Bill Byrns
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815-937-3304

Published in The Daily Journal print edition May 13, 2011

Gretta, Jay Bird, Jeanny Wren and Snapper all came to Iroquois County to go turtle hunting.

But these curly-coated boykin spaniels from east Tennessee are a different kind of hunter.

Their mission is to sniff out evidence that the ornate box turtle is still surviving in Iroquois, Kankakee and Will counties.

It's a big job for the dogs -- and a small band of researchers -- who have only a week to get it done.

On Wednesday the dogs were ranging across a rolling landscape of sand savanna, dunes and swales in northeastern Iroquois County. Thursday the team probed Kankakee County turtle terrain in Pembroke.

Today they will be turtle-sniffing in Will County for a species that is becoming increasingly rare in Illinois.

"The ornate box turtle was once found in 42 counties, but is now found in only 11 counties," said Jennifer Hammer, who is leading the study for the Conservation Foundation and its partners.

Remote and rolling landscapes in three local counties are the most likely sanctuaries for the small turtles, which were once hunted for their colorful shells.

Research-based
management

"We have a $10,000 grant from Illinois Wildlife Preservation Checkoff Fund for a statewide study to determine the presence and population of the ornate box turtles," Hammer said.

"This is not taxpayer money," noted Kim Romaine of the Illinois Nature Preserves Commission. "This is the voluntary checkoff donation on the state income tax from people who want to support wildlife preservation."

"We are in the second year of our two-year study, but the grant only allows us one week each year to work with the dogs," Hammer said. "After that we depend on volunteers and it becomes much more difficult."

"The dogs help us determine if a viable population exists here," said Rob Littiken, manager of The Nature Conservancy's Kankakee Sands Project.

"The question we are asking is are we targeting habitat without the proper research? Without field studies we are shooting in the dark."

"If we know the turtles are here, then we may change the management objectives," Romaine said. "For example, controlled burns of the prairie might be done earlier to avoid damage when the turtles become active in April."

Turtle dogs part of a rare breed

The dogs, owned by John Ruker, are among a small number of specially trained turtle dogs around the country.

"The boykin spaniels are the state dog of South Carolina," Ruker said. "The are very competitive and will watch one another to see what they are finding." Their waterproof coats and keen sense of smell make them ideal hunting dogs.

But right out of the box, three of the spaniels began excitedly excavating head-deep into the sandy soil Thursday afternoon.

"Oh not there, there are pocket gophers all around here," Romaine said.

"That's not proper behavior," Ruker said, chiding his 2-year-old charges. "They probably smelled a mouse or gopher."

But ferreting out gophers is not allowed in this protected area.

The plains pocket gopher is the only species of gopher found in Illinois and is abundant across sections of eastern Iroquois and Kankakee counties.

Success came Thursday

Wednesday's hunt turned up empty, but early Thursday morning the dogs started finding turtles in eastern Kankakee County.

"We have two so far and here comes a dog with a third one," said Rob Littiken, manager for The Natural Conservancy's Kankakee Sands Project.

A kindred species, the state-threatened Blanding's turtle, has been found surviving in the Kankakee Sands area.

The survey team will measure, weigh, mark and release all the turtles found. "We can learn a lot by a

quick inspection," Hammer said. "The age can be determined by the turtle's size and by its shell.

"It is important to collect this data now because these turtles are uncommon to rare across most of their traditional range."

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FY11 WILDLIFE PRESERVATION FUND GRANT PROGRAM

PAYMENT REQUEST CERTIFICATION

Grantee Information

Grantee Name: The Conservation Foundation
10S404 Knoch Knolls Road
Naperville, IL 60565

Grant Agreement #: 11-L03W

Amount of
Reimbursement Requested: $ 5,529.66

I certify that the goods or services specified on this request for payment were for the use of this agency and that the expenditure for such goods or services was authorized and lawfully incurred, that such goods or services meet all the required standards set forth in the grant agreement to which this request for payment relates, and that the amount shown below on this request is correct and approved for payment.

By: Jen Hammer (Signature) Date: 1/30/13

Name: Jennifer Hammer Title: Land Conservation & Watershed Specialist

Grantee F.E.I.N. / TIN: 23-7221206

Attach copies of vendor billings, proof of payment, and other necessary documentation and send the Request for Payment Certification to:

Scott Ballard
Illinois Department of Natural Resources
9053 Roue 148, Suite B
Marion, IL 62959

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Telephone #: (618) 993-7023

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Approved
for Payment: _____
Signature

Name:

Date: _____

State-Wide Survey for Ornate Box Turtles
Final Report - Grant # 11-L03W

DETAILED BUDGET					
			WPF Funds	Matching Funds	Total
Personnel	Rate	Qty			
Business Manager	$55	5	$ 275.00		$ 275.00
Principal Investigator	$75	126.5		$ 9,487.50	$ 9,487.50
Volunteers	$40	145.75		$ 5,830.00	$ 5,830.00
Travel					
Mileage	$0.555	1202	$ 667.11		$ 667.11
Match Mileage	$ 0.555	2096		$ 1,163.28	
Equipment					
Materials & Supplies					
Contractual Services					
Tennessee Turtle Dogs 2011			$ 1,641.00		$ 1,641.00
Tennessee Turtle Dogs 2012			$ 2,946.55		$ 2,946.55
TOTALS			$ 5,529.66	$ 16,480.78	$ 20,847.16

The Conservation Foundation

10S404 Knoch Knolls Road
Naperville, Il 60565

Invoice

Date	Invoice #
1/30/2013	11605

Bill To
State-wide Survey of Ornate Box Turtles

P.O. No.	Terms	Project
Box Turtle Admin		

Quantity	Description	Rate	Amount
5	5 hours of administrative time related to Survey of Ornate Box Turtles (11-L03) non-txbl/tx exmpt	55.00 0.00%	275.00T 0.00
		Total	$275.00

State-wide Survey of Ornate Box Turtles

To request reimbursement for mileage driven, please complete all information below:

Volunteer Name Jennifer Hammer

Date	County(ies)	Site or Road Route	Start Time	End Time	Miles	@$0.555/mile
4/26/2012	Grundy	Goose Lake State Park			95	52.725
5/27/2012	Will	Braidwood Dune NP			85	47.175
4/29/2012	Kankakee	Sweet Fern Savanna			168	93.24
4/30/2012	Will	Sand Ridge Savanna, Braidwood Savanna			85	47.175
5/1/2012	Winnebago	Sugar River Alder Preserve			155	86.025
5/2/2012	Winnebago	Sugar River Alder Preserve			150	83.25
						0
						0
						0
						0
						0
						0
						0
					Total	409.59

The information provided is true and correct.

Jennifer Hammer
Volunteer Signature

5/15/12
Date

Note: If more than $600 is reimbursed within one calendar year, a 1099Misc tax form will be provided at the end of the year.

PAID
JAN 30 2013
BY: By 6916

Please return this form to:
Jennifer Hammer
The Conservation Foundation
10S404 Knoch Knolls Road
Naperville, IL 60565
or email to:
jhammer@theconservationfoundation.org

OK TO PAY

Program/Project Box Turtle Grant

Purpose/Dscrptn Mileage

Funding Source IDNR Grant 11 L03W

Approved By Jennifer Hammer Date 1/28/13

Supervisor ☒ Need copy of Check

THE CONSERVATION FOUNDATION

6916

Jennifer Hammer

Date	Type	Reference	Original Amt.	Balance Due	1/30/2013 Discount	Payment
1/30/2013	Bill	Turtle mileage	409.59	409.59		409.59
					Check Amount	409.59

Itasca B&T-Gen Chkg Ornate box turtle survey - mileage 409.59

To request reimbursement for mileage driven, please complete all information below:

Volunteer Name Matthew P. Ignoffo

Date	County(ies)	Site or Road Route	Start Time	End Time	Miles	@$0.51/mile	
05/19/2012	Ogle	Pine Rock Nature Preserve	07:35	09:50	110	$56.10	0
06/02/2012	Ogle	Pine Rock Nature Preserve	07:45	09:50	110	$56.10	0
06/30/2012	Ogle	Pine Rock Nature Preserve	07:30	09:35	110	$56.10	0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
					Total 330	$168.30	0

The information provided is true and correct.

M [illegible]
Volunteer Signature

12/11/2012
Date

Revised mileage
Rate to
$.555/mi
330mi x .555 =
$183.15

Note: If more than $600 is reimbursed within one calendar year, a 1099Misc tax form will be provided at the end of the year.

Please return this form to:
Jennifer Hammer
The Conservation Foundation
10S404 Knoch Knolls Road
Naperville, IL 60565
or email to:
jhammer@theconservationfoundation.

PAID
JAN 30 2013
BY: BM 691 7

OK TO PAY
Program/Project Box Turtle Grant
Purpose/Dscrptn Mileage
Funding Source IDNR Grant 11 L03W
Approved By: [illegible] Date 1/28/13
Supervisor [illegible] Need copy of Check

PAID
JAN 29 2013
BY:

Matthew Ignoffo

1/30/2013

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
1/30/2013	Bill	Turtle suvey miles	183.15	183.15		183.15
					Check Amount	183.15

Itasca B&T-Gen Chkg Turtle survey - mileage 183.15

volunteer info and mileage reimbursement form

State-wide Survey of Ornate Box Turtles

To reque

Volunteer Name Anne Yen

Date	County(ies	Site or Road Route	Start Time	End Time	Miles	@$0.51/mile
4/27/201	Will	Braidwood Dunes	8:15:00	3:30:00	134	68.34
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
					Total	68.34

The information provided is true and correct.

Volunteer S

4/30/12
Date

Revised Mileage Rate to $.555/m.

134 x .555 =

$ 74.37

Note: If more tha

Please r

Jennifer H
The Conse
10S404
Naperville

OK TO PAY

Program/Project Box Turtle Grant

Purpose/Dscrptn Mileage

Funding Source IDNR GRANT 11 L034

Approved By

Date 1/28/13

Need copy of Check

PAID

JAN 30 2013

BY: 6915

Anne Yen

Date	Type	Reference	Original Amt.	Balance Due	1/30/2013 Discount	Payment
1/30/2013	Bill	Turtle miles	74.37	74.37		74.37
					Check Amount	74.37

Itasca B&T-Gen Chkg Mileage - Box Turtle survey 74.37

John Rucker
272 Old Doe Rd.
Shady Valley, TN.
37688
SSN 241-76-7240

RECEIVED MAY - 6 2011

Conservation Foundation
10 South 404 Knochknolls Rd.
Naperville, IL. 60565
attn: Jennifer

For 5 days turtle searches at $225 per day: $1125.00 For driving from Shady Valley TN to Marion, IL. and Back - 1,032 at 50 ¢ per mile: $516.00 total: $1641.00

Thanks-
John Rucker

Lori,
Sorry to get this to you so late. I need to check for this ASAP. If possible I can come in on Friday (5/6). I am leaving Sunday to meet him for the Field Work. If you cannot print until Tuesday please ask there to drop it off at my house - and will be meeting me in the field on Wednesday.

Sorry again for the timing.

Jennifer

nd Ed Britton should split the
g charges. Maybe you should pay
e drive out & Ed the drive Back.

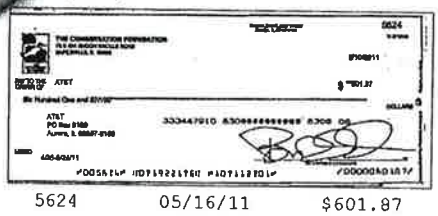
APPROVED MAY - 9 2011

o Mar 7

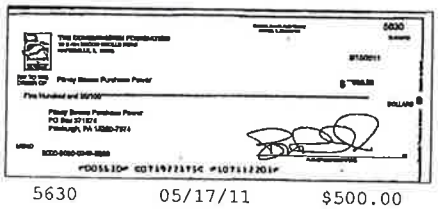
ox Turtle Survey

Grant
Date 5/5/2011
Need copy of Check

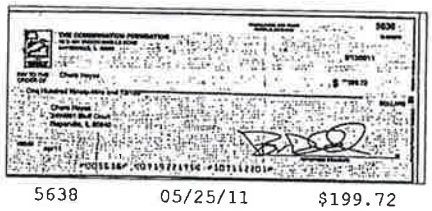
PAID
MAY 10 2011
BY: 5631 Bm



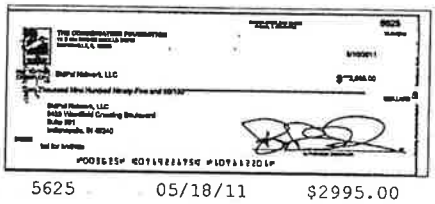
5624 05/16/11 $601.87



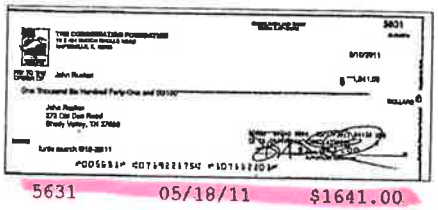
5630 05/17/11 $500.00



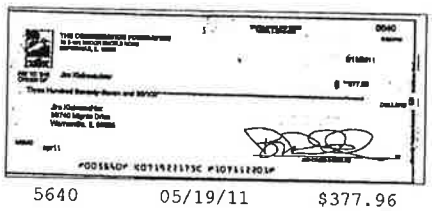
5638 05/25/11 $199.72



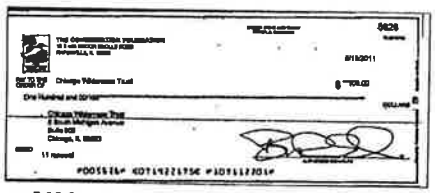
5625 05/18/11 $2995.00



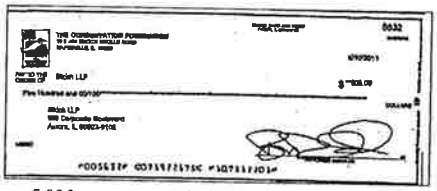
5631 05/18/11 $1641.00



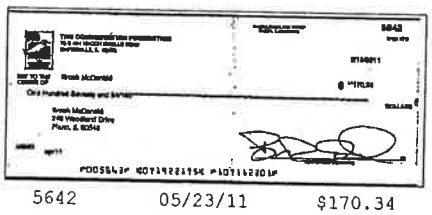
5640 05/19/11 $377.96



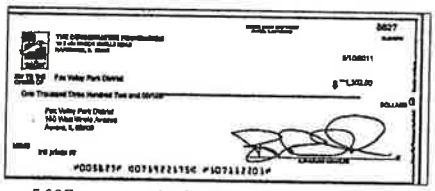
5626 05/19/11 $100.00



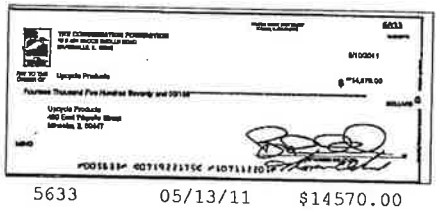
5632 05/16/11 $500.00



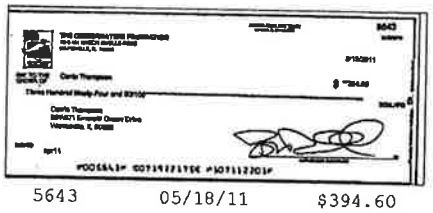
5642 05/23/11 $170.34



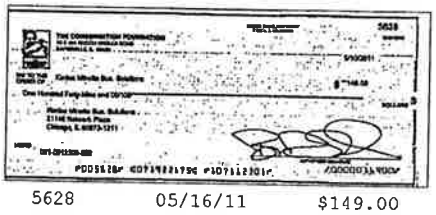
5627 05/16/11 $1302.00



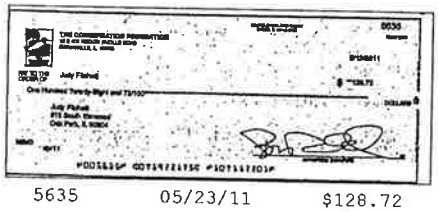
5633 05/13/11 $14570.00



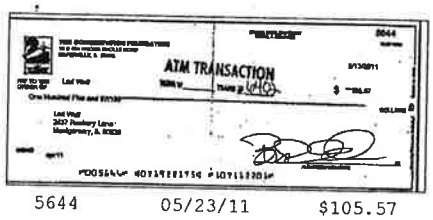
5643 05/18/11 $394.60



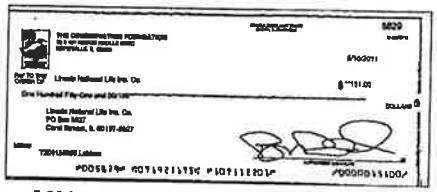
5628 05/16/11 $149.00



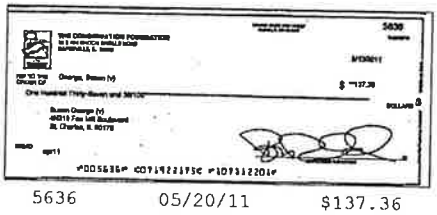
5635 05/23/11 $128.72



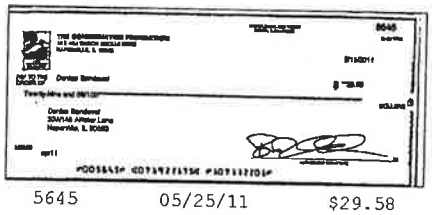
5644 05/23/11 $105.57



5629 05/18/11 $151.00



5636 05/20/11 $137.36



5645 05/25/11 $29.58

Invoice

Tennessee Turtle Dogs
John Rucker

Date: May 2, 2012
Invoice #: 201

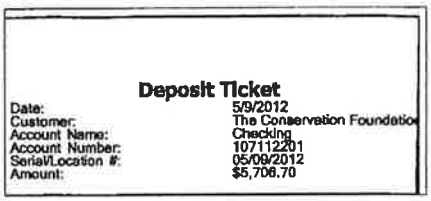
To: Jennifer Hammer
The Conservation Foundation
10S404 Knoch Knolls Road
Naperville, IL 60565

Job		Payment Terms	Due Date
Ornate Box Turtle Survey Illinois		Due upon receipt	4/23/12

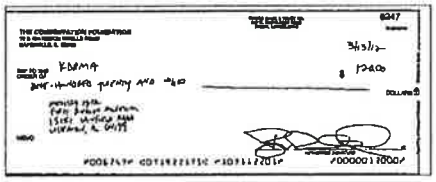
Qty	Description	Unit Price	Line Total
10.00	10 days of survey work on Ornate Box Turtles in Illinois	$ 225.00	$ 2,250.00
710.00	Travel to Forest City	0.555	394.05
550.00	Travel between Sites	0.550	302.50
		Subtotal	$ 2,946.55
		Sales Tax	
		Total	**$ 2,946.55**

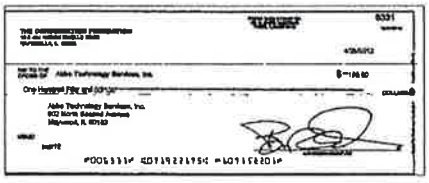
Make all checks payable to John Rucker
Thank you for your business!

272 Old Doe Road, Shady Valley, Tennessee 37688


Deposit Ticket
Date: 5/9/2012
Customer: The Conservation Foundatio
Account Name: Checking
Account Number: 107112201
Serial/Location #: 05/09/2012
Amount: $5,706.70

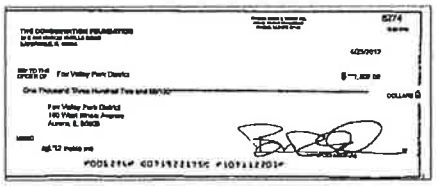
05/09/12 $5621.70


6247 05/02/12 $120.00

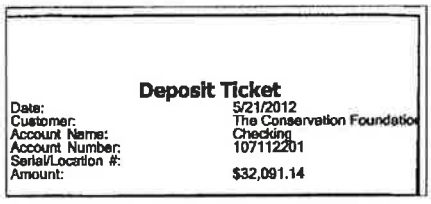

6331 05/04/12 $150.00

Deposit Ticket
Date: 5/11/2012
Customer: The Conservation Foundatio
Account Name: Checking
Account Number: 107112201
Serial/Location #: 05/11/2012
Amount: $85.00

05/11/12 $85.00


6274 05/03/12 $1302.00

6333 05/01/12 $60.02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Date: 5/21/2012
Customer: The Conservation Foundatio
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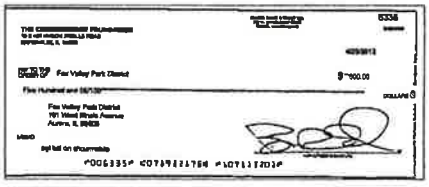
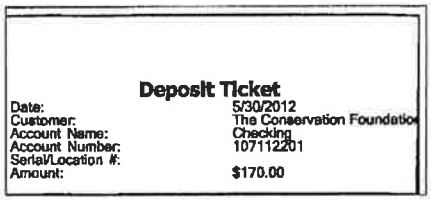
Account Number: 107112201
Serial/Location #:
Amount: $32,091.14

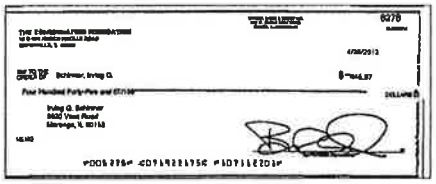
05/21/12 $32091.14

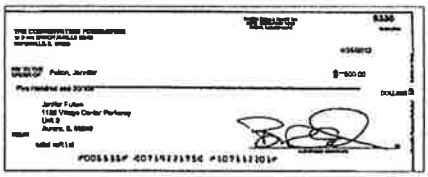
6275 05/02/12 $83.25

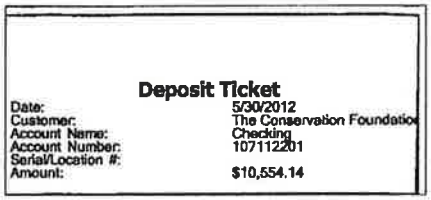

6335 05/03/12 $500.00


Deposit Ticket
Date: 5/30/2012
Customer: The Conservation Foundatio
Account Name: Checking
Account Number: 107112201
Serial/Location #:
Amount: $170.00

05/30/12 $170.00


6276 05/02/12 $445.67


6336 05/03/12 $500.00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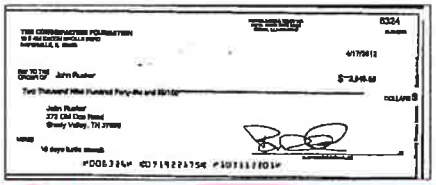
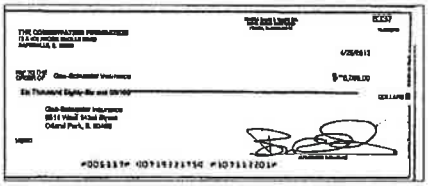
Account Name: Checking
Account Number: 107112201
Serial/Location #:
Amount: $10,554.14

05/30/12 $10554.14


6324 05/10/12 $2946.55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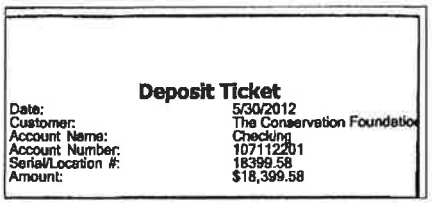
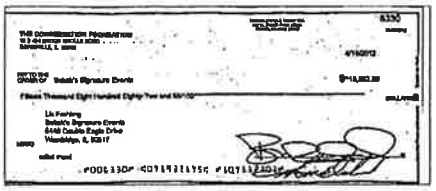
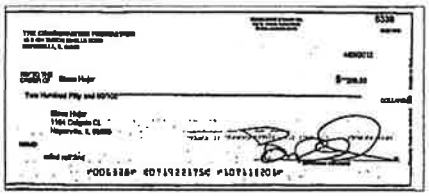

Deposit Ticket
Date: 5/30/2012
Customer: The Conservation Foundatio
Account Name: Checking
Account Number: 107112201
Serial/Location #: 18399.58
Amount: $18,399.58

05/31/12 $18399.58


6330 05/02/12 $15882.55


6338 05/04/12 $250.00