Projects (continued)	126 June 2010
***************************************	Southern
•••••	arrived @ Muleshoe Ranch, Graliuro mountain

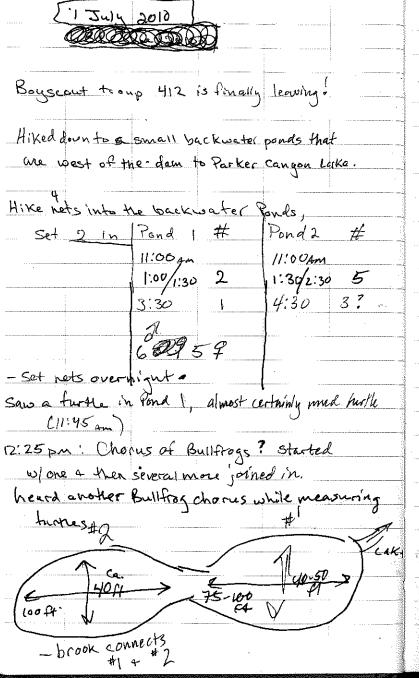
	set nets in a nice tank (4)
	Tank was built in the late 1800's
	mostly just a rock bern collects much
	of the spring seep.
	Several nice pools in Bass Canyon
	approx. I mi. from Ranch headquaters
••••••	caught 1 f
	Muleshoe is a Cooperative Management
***************************************	area (G.M.A)
***************************************	They have put us up for the night
***************************************	in some bunk houses

***************************************	Secret Spring (the nice tank)
	Contains Sonoran Mud Turtles,
	Gila Ortopminnous, Desert Kupfish
***************************************	4 Northern Leopard Frogs
**************************************	tank is not real deep but has tons of muck
••••••	Saw several Chemidophorus & urosaurus
	No cattle are run on this
•••••	ranch
••••••	3 nets x Ca. 3 hrs = 14 furtles
•••••••••••••••••••••••••••••••••••••••	3 nets x ca. 3 m3 = 17 12 m

27 June 2010 Left mulethoe and headed for the central Galiuros. God Fracked briefly sand explored Entered Coronado National Forest of aff Ash Creek road. Thicked nets & secret spring 4 nets = 21 turtles Ken collected blood and we split. Set nots in a small tank checked 2 hrs later = & Set 10 nets in Red tank Saw 4 furkeys @ Red tank Tiger salamanders everywhere Red faule is a very large a deep bunk tons of aquotic vegetation surrounds the funk

[28 June 2010] * Left QNF and headed to Willway for M some gas. Checked nets @ small unnamed tank Checked nets @ Red took # · saw a garter snake w/ a tiger salamander in its mouth Explored Southern Pinaleno's W/no headed towards Deer Creek glad states US. 266 acrived & the traithead + hicked to mud spring which was empty. Saw a cently cool den. Beautiful But tough hike Campedness trailhead de in Coronado National forest

30- June 2010/ Hiked to spillway a below the dam @ Tarker Canyon Lake. Woodled the small stream @ base of Lake to no quail. Explored South Lake drive. Set 2 nets in a Small spring = d Set 4 rets in a small stock tank (coust) Had very, very cold harge aquatic vegetation. Duckweed present, covered most of surface Has Waters dappear tannic, w/a brown algak Covering surfaces submerged. saw a few whiteful Explored scotia Canyon approx 650-700m headed back to comp Ken's tent is the biggest I have ever slept in It dwarfs vader and shall be called spaceball



12 July 2010)
2 nets in #1 = 2 turtles; both recaps
2 nets in #2 = 19
Reset nets & Checked @ 10:30
$\Rightarrow \#/= \otimes$
= # 2 = 1 7
Reset rets a checker @ 1:00 # = &
#) = &
#2 = 8
Reset nots & checked @ 4100
= 0 · · · · · · · · · · · · · · · · · ·
#2 = \(\tilde{\omega} \)
poth have fish including
Green sunfish = #1 9#12
Catfish (spp?) = #1
Plongear sunfish = #1
lobserved several largementh bass but
none were caught in nets
#1 is much deeper than #2
L L
SAW & Sonoran mountain Kingsnake
Suft for Seica Vista
公共企 政。

3 July 2010 Seirra Vista rest time 4 July 2018 Drove to Reef Canyon of Ramsey Canyon in the Huachacais. Neither were suitable for turkes. Drove to Turkey Creek Conyon in the Aravapi Canyon Perservice via us 266 in Galinio Mms Absolutely beautiful. € 15-July 2010 Aravipa Canyon is a large conyon that

Heavipa Canyon is a large conyon that

Serves as the main drainage for the Galiaro Mtms.

It has a perennial stream that flows through the canyon. Right now the Stream ranges from < 1.0m

— 1.5 m in depth of 1-3 m in width.

This creates a lush riparlan area w/lots of aquatic vegetation. We have observed several species of fish including different suckers, darters, x dace. We noodled about 1-1.5 km of the alavipa canyon.

No furtles captured or seen.

Met up w/ Stace Walker @ his house. He confirmed that he has observed Sonozan much tartles in the are a. He suggested to meet of MARK Haberstich 4 that MARK would have a good icloa about whose to fillfull. MARK mentioned several places that wight be good & continued Heavisa Canyon walls are breathtaking! 100-200 Saw several species of Chemidophorus Saw a great blue heron Le July 2010/ Explored Turkey Creek looking for a tunk that mark talked about. No luck! Mude a boutal death like to Mescal tank I hoped the tank was dry the outre hihe just so I wouldn't have to carry nets back up that mountain, The trail felt like it went straight up the entire way. The contour lines were so tight they looked like one big contour live. The touch was dig!

Goal was to Set note in slow moving Turkey Creek & also has some backwaters. Cliff Hoellings The Solado people lived in this area antil around 1100 AD set 3 more nots in boggy area. Saw one of the dwellings. Very cool. Checked @all nets 2 more times w/o any luch Decided to set nots in the Aravipa Creek backwaters. Set 2 nets @ 1st switchback 10 the 2nd, 10 a boggy area, 42 h 2 Janveniles = no blood Marks cattle ponds. Reset all nets Joshed & Maps w/ Mark to clarity 8 July 2010 Some of his instructions. Found out that we went the wrong Checked all nets $(n=8) = \emptyset$ captures Nets were pulled. way and were in the wrong carryon altogether. (from sureaftier bearch) 17 July 2010 Hiked up Oak Grove Canyon, There was a stratch of perennial flowing water w/ beautiful pools, Stretch was ca. 1.5 mi Checked nets in Aravipa. Caught 2 whood adults in one vet (10 + 17) & the 1st subar Same pools as deep as 3-m Fish present: Dace, Sunorum Suckers caught 15 @ 2hd subck, cought 25 in boggy area, + got & in earthe ponds. Desert suchers Moved culter pand vets to other news in the However, we captured no turtles, Devastating. Looks like great habitut. Aravipa. One issue may be that the canyon wall (60 fg) are too close. It most certainly floods

the entire earyon. This may reduce nesting sites ??? Decided to leave and regroup @ Justin Congdons. in the chiricahua Drove to J.C.s often having a few beers w/stack a talking to Mark for awhile. Got to J. C's were after dock Justin lives on Barboot Ranch 19 July 2010 Planned the next complete weeks of trapping Called people about land access Person of Interest: Mike Mearthy Brology faculty & Eastern AZ College: apparenty has studied mad further in ate a woonderful meal & J.C.s

10	July 2	010			
				1	
Jeft J. (Drove	25 Ag	£ 50	applies !	h Willed	, (= 1
Drove	(9) D	+0	Pima f	hrough s	Sattord
9 hatch	<u>ec. 0</u>	or i	sipp a	nyon Ro	<u>ad</u> ~
to Nati	ond to	(est t	TOW TIW	مد. ۱۸` د ^S ۱	selling?
Hiked to s	HERN	ru Kc	D 1-3	· · · · · · · · · · · · · · · · · · ·	
where u	Se crus	Calaa	oed.	4s 2 Gost	71.600
	_			fank on	two of
				= No tur	
	:			No H20	
· Camo	Tank	-met	ul tank on	mear the	
,			H20		
		No	turtles		
· Dou	by tray	gh ta	nk - f	MEarthen	dan
	bisectiv	'g the	Creek,		
	- tilled				
1 100000 101 1000 1 1 1	- p No	H20	4 (ikely d	loæn't h	il d
	any 1				
2 [No t			اسمام	bisecting
	reek. f				7
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	s to rto				

- - · Deer Tank Earthen dear bisecting creek. Hud H20 25 m² surface area ca. 05-1 m deep - noodled Deer tank w/no luck
 - Brushy Tank Earther dan too boisecting coek k
 completely filled w/ sift, tooked much like Prospect Tank in Palvucilles holds we that
 - Took a death hike up, & over a anountain that would have bitch slapped Mount Doom. Brutal! Cleared brush most of the say Kevlar is gone.

 Had very little to No How. Dropped down the other side to a large hitching trail.

 Good separated from ken- Hiked back to camp solo.

 Drank a big deal of cold gatorade y then threw up! 15 min later.

1st time since high school that I have thrown up due to estimotion. Took aravision canyon rd to cedar springs road looking for two tanks. Access was blooked by private land Saw An AZ black rattlesnake during the Saw ar western diamond or mojove during drive back from blocked tanks several Kangaroo rats + other rodents cross the road and scurry frontically on the drive Saw a Bufo alvarius Colorado River Toud on drive back.) a supspecies of western rattlesnake Crotalus vicidis cerberus Det black w/ yellow markings on back determing interspace positions clouded up a bit w/ some thunder but

No rate.

11 July 2010 Left Tripp Compon camp because the only tank that wasn't day was too shallow to Set a small net in. Went by Rogers Resevoir = dry Webb one tank also dry Went to Roper Lake St. Park but could not get permission to trap before it is cleared w/ Dan Shein. Called Dan + Ceft a message Went to Riggs Flat St. Park @ 8800 Ft Not likely that we will catch sonora mud turter by it is above ther elevation fimits. Set 6 nets 4 checked once ... Long, winding road to to Walked around lake does not lask very good. Front (3 spp present) 4 fisherman everywhere Thre is lusting air. Started to thin around

6 Looper

Bean Bean	tiful area	. Lage	Pines &	enifers
Lake was	built o	s part	of a re	construction
project				
			<u> </u>	
Surrounding montane f	vegetati	on very	different,	(i.e
montane.	erest) fr	our otta	r places	
<u> </u>	.		<u> </u>	,
		į · · · · · · · · · · · · · · · · · · ·	-	
Greater ear	less liza	reds Co	phosauru	s texanus
		:		
hear w	elob one	tank		- P
Stopped tree	leak			
Stopped tire sained light	ly			
				<u>'</u>
Diggs Flat La	ke S	grocus	host =	Carc
112 July	2010		<u> </u>	, <u>1</u> , k
		i	i	<u> </u>
Cheched	nels	3×	=Q	
Checked except	for a	few 1	rout	<u>.</u>
Saw a	black	bear	Stroll 1	hrough
the c	ampgoa	ends		0
Saw a The c Ca.	100 m	away		·
Left nets		/	1 /1/10	enged
Jeft nets	set over	ern 194	4/0	at 1
,		V		bout

pelked to a gray that hes lived in the over all his lfl and has rover seen a horle @ Riggs Flat Lope but he has been furtles in Pima. Did not know what kind Given this comm & the range I think it is saft to Sal Here are no holles & Hygys Plant Lote 13 July 2010/ Cheehed a pulled nets @ 800 m for Cluff #3 and headed Stopped by Eastern AZ college to try to make confuett

First Roal Rain of the Year! w/mike Marthy or Dan Hensen Choth Brown/ faculty) Set 11 nets in Cluff Reservoir#3 #/ \$2 = Doy @ noon - 1:00 pm Cluft is extrenely littered and appears to be the towards swimming pool. Soverel groups of to people continue to come a go. Fisherman confirm seeing turtles

SNIT 2:33

1x 3:00

Chech nets = 1 T. scripta

Q SUIT

Chech 2x 6:00

List T. scripta

D SINIT going buch to N. Galiuros SIN a Bobcaf while compy down

14 July 2010 115 July 20101 head to Cobra Ranch in Northern Grahuro's caught 4 adults (3819) in the four nets set in the bog next to Mark's old house.
Bog #2 Struck out in Pinaleno's n - this is located just upstream 202011 often the first stream crossing GPS points as AC bogt yes Staying @ Bunk houses @ Coba (Wature Conservancy plot) 3 - tour blood from all 4 Set 8 nets in 2 diff. backweiters (4 in each) F checked not @ bog # 1 = 0 = -located possible ar Canyon - marked w/ gps AL Bog #1 yes Len soesaw a Western ruttanelle a a bluck needed gurter Enable Set I more not in a small backwater bund a DOR black recked quoter found a 3°d bog near the Acutions Canyon wilderness sign 3°d bog is broken into 2 sections - Whill will will you will will Urosauras ornatus on parch @ bunk Explored a bit of Breat Carmon 3A set 2 rets Set 3 nets

Saw a Sceloporus virgulus @ Stace's house according to Brennan & Holycross 2000, stand does not occur in N. Galutos. Could be a new Co. record - several lizards are on the porch of the bunk houses we are staying in. 井 三 4 #2 =6 #3 = 5 - Started to rain I gotly around - masked spit the might - Several Bufo alvarius around the house of on the road Buto alvarius = Sonoran Desert Tond large parotids a white tubercle under chin are best ID.

15 nets = 10 tudles 116 July 2010 Bog #1 = 3 (27,15)
4 nets
1 recap (#29) Bog #2 = 4 Call recaps) Boy#3 = 3 (28, 19) reset nots -117 July 2010/ Checked nets; only 2 fucties from Bog #3, Skunked exergistere whe. Reft Cobra Rank Drove to Muleshoe Ranch to get access to Redfield Canyon. Roses (Body Rogers) has seen trades there. Drove to Sycamore canyon Via muleshare Rd. Hollish trip in Should be interesting getting out Rained like

119 July 2010 1 18 July 2010 fift Sylamore caryon and headed to Dragoon mountains. hiked Lown Sycamore Congon to Redfield Canyon. Redfield Cangen consists of 1.5 miles of perennial pools. Some as deep as 3ft Checked out several tunks along a CNF trail. Only one (tank SI) had Has Beautiful pools. Filled Wsmall fishe got ready to set hets but they were covered w/ duckweep Noodled 2 twoles, Hard woodling Walked down to swamp spring Deceded to clear then & Justin's Got falked into Staying the night Saw 3 AZ black rathernalus Cleared nets w/ blench Sono 2 juvenile madrean alliquetos lozards Started to cain, cained for The or so. Liked 3hrs back to camp from Swamp spring canyon. very had hike

120 July 2010) Left Justins and headed tox viest side of Dragoons. Drove up into the Dragoons There was a small stream sunning. Talked to a man named Bill, who informed us that it had flooded the previous The road was quite washed out Bill had sport alat of time in the one a and had never seen a further Said that the carryon is mostly dry. but did tellows of a fruit called half moon bank Checked out Several afree turber. all do

Cochist compround was closed and wo fond no place to camp. So we dave to Douglas to get a room. Douglas Metels were tull by of a little league ChampionShip So we drove to bisbee to get a room. We be now close to hunchucas Plan on going to Rinish Packer Cangen Lake. I picked up a brochure about the Sun Pedro Republican a cea. We plan on Calling them to do research. Sow a juvenile Gila monster un w. Yale St. Heloderma suspectum GPS had to pulled Rained take full on 191

121 July 2010	[22 July-2010]
Drove to Packer Canyon Lake	Checked nets P. 2 nets = 4 turtles 3 recaps
The same same same same same same same sam	1) I hets =4 turtles
Sent off Proposal to worken San Pedro Rive. they have ponds a SMT	
Set la nets in large pools behind PCL	P2 # nets = 9 twotles 3 recaps
$ \begin{array}{c} $	* were had moved byt pends
Rained orgain	there of 4 rets had &
Hail @ the top of Montezuma Pass in Huachnea's	there was a 12 eaten dead fish in whe I tuckes
Yarrow Spiny Lizard @ camp site	?? myst have been ced ear sunfish
Clarks Spring Lizard near pool 2	four blood was able to palip several furfles
	What had a constructed
	Mohe had eggs
	woodnowed & Campoites in Dregoons Cained in willcox Cained again

123 July 2010 / Sight withoux for Ungrous. Left Willcox for Dragoons Set rets in Tank 51 122-Con' + 1 & Rained state like mad for Drove to Dragoons a set) nets in Half moon tank 20-30 mins. Flooded the Half moon tank looks to be a cic Road un passible from offer Side die to flooding Has obviously been Glooded very recently after raining, we saw a Great joad

Buto debitis

Canyon Tree Roog Hyla arenicolot a mile or so from Cochise Strongwold Western Diamondback Crotalus atrox a good trail leads to tunk Regal Horned Lizard Phrynosoma solare a little over dmile hike almost Reticulate Gila Nonster Heloderma Suspectuar all uphill the way there. Saw a Sunoran whip snake Red Groundsnake Songra semiannulata
Checked rets @ half moon = 8 Black necked Garter Shake reset for this = 9 >

pulled nets goowth cate undeterminable Checked nets @ tunk 51 Dogales spring = dry
Spring 42 = dry
Spring 47 = wet but & turtler
U) Dogales spring = wet = (turtler 2 nets x 8 hrs = & Saw the same giant Saw a Sonoran whipshalee W. diamondback near the tanks Musticophis bilineatus Saw as potential juvenile Gula Monster tocho it hissed e me. Heloderma suspectum also saw a goods Eastern Patch nosed Salvadora grahamiae Truck is making funny noises??
Power Steering issue??
Power Steering fluid
aangerously but Done to Empirita Ranch pulled into a cauping spot ocen of 8:00 pm. 124 July 2010) 125 July 2010 Drove near Nogales & Lil Nogales Got power Steering fluid Simulatortle a Cittle Dogoles, Owalmart/noises Stopped but is still rottling about as big as Swenile W/smooth plastron & enlarged tool

hiked down French Joe Langon to French Soe soon and that they san moonshive a turb other springs 27-123 out of there) Doesn't make out of there) Doesn't make much Sense. There was a nice area of pook but we roodled no turbles Cabin was covered w/ psychedelic-trippy art, seemed more like a commune then an Rained on us most of the day outland cabin. "Seek harmony without Power Seering Duid dopped from Find harmony within" MAX to below Min. Refilled. Talked to Ranches that hed 126 July 2010/ on Empirita Ranch. One (Sam Ellict) was kind of Drove to Selvia Vista to a dick Said that in 20 years meet w/ Heather Swanson. he has seen to further She is the land specialist for San fedro Riparian National Conservation De Saw it @ W Nogales Never saw one & wakesheld Area (SPRNCA) - BLM She gave us access to trap the ponds near the San Pedro
House Big = Green Kingfisher
2 Ponds small = Black phase Confirmed that the small house that we found on the pad to Nogales & Lil Nogales was an old outlaw cabin, the

Met w/ Glenn Frederick 127 July 2010/ On CNF-Seirra Viola 4 Nogales Ranger district Drove to Miller Carryon Canetherone) near Hereford St. to Set up camp. Dove to SPRICA to Set out
ponds - They look good
rained all day to check in the Hilachucas twhetstones, canelo Holls. CORPAGED OF THE PROPERTY OF TH Gave us the phone # of Oleaned nets 4 gat bait. Speridan Stone = Brologist @ Et. Anachuca Set 8 nets in green King * much promise for the next n Wack phoese -saw a couch's spadefoot tew mants carned like hell 28 Suly 2010/ Gryed in S.V. 8 nets = 1 Sut (4)
Spiny suftdell Car was fine, osmall leak near the former steering Saw on ormate box

129 July 2010/ OGreen Knyfisher is full BK = 1 Spiny Softshell of muck. around in. BP. = 1 spiny softshell Saw a western diamend back on trail. Pulled a few nets from G. K there and Set nets in B. P. I think ppl have been messing is the nets. 7 nets in B.P = 1 T. scripta set for a few his. & SALT tish present in ponds as well as Bullfrogs Interlade on Talking to Orlean Frederick he suit something interesting Redear suntish The of the tunks called Mud Spring Cargemouth Buss Some type of Coeffish

H think Yagni Caffish have nicknamed Tucke Tank he said that he always see s also Salumandes hatchings below the clan and rever on the tonk, for my well

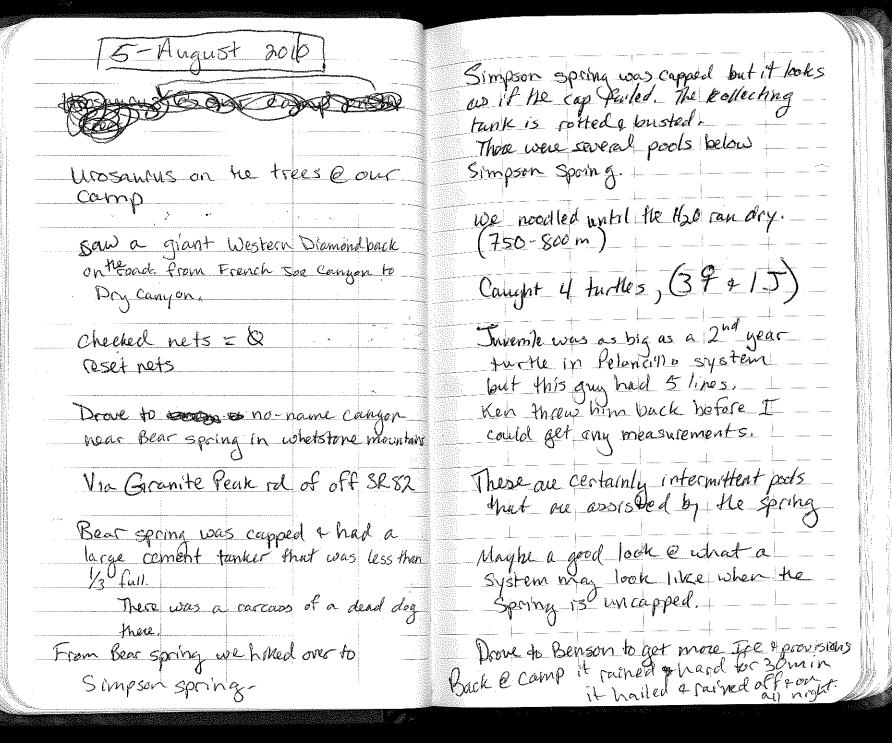
a tank and a canjon below it. Tag July 2010 Cont/ Threaters to rain as I write this (7:00 pm) Went to Mud spring tank in the Huachuca mountains. There is another spring called Sycamore Spring nearby. Those one toutles there also E (Supposedly) Set 2 Large nets in the tank. approx 1.5-3.0 in deep about the Size of Pake Blackcec Saw a Songram Whipencake Rouined Saw a dead trulle on the roud to mud 1 30 July 2010 Cooked the road but but was by a Checked nets @ B.P 7 nets = 1 SMT Saw a large guster snake in a pool TO POST of Saw 3 turkes in mud spring tank Ohechael nots @ G. K 5 nots= 400 one was a giant 1 Spinuss

One of widovetant 2 Tiscripta Noalled a Hutchings below the tank Shorted to cain, so we last pulled 4 nets from Black phoobs Earthen dam, looks like Swaline Checked nots @ Mud spring Those has got to be something to the fact that the most dense turte pops persist around all very small 1 got 10 2 10

mud spring fits the conyon w/ tunh story well flow in Peset nets in \$6.K Went to Bisbee after getting Farther dam Shut out of Lewis spring. found Hatchlings High Knoll Rd was being worked on population density is extremely high Most turles ranged from 96.0 -106.0 Will try 4 access tomorrow they looked like little white castle burgers tipier than in Buckhoon To Dove near Hereford Bridge Not a very big tank No macrophytes, small bullfings present Celless point but the Sand Redo heard several yips as I walked army pulled nots & mind spring II - August -2010 (rédeyes) 131 July 2010] and not ain on 31st cheehed nots of BP (3 nots)
pulled, one not had a large Green Kinglisher pond has risen 4-5 ft overnight. Our nets are Completely flooded. Checked nets @ q K. I small not had a grant sping softstell, vocampht Sume dovotail q, q a & smit We literally have to swim to get nets, had to dive to get

12-Aug-2010/ Then buch. deft Triotins 4 headed for the I net had a large Spring SoftBell 1 a Small I spinifera Dragoons must have getten abt of rain since we were here last b/c The small SSS was dead. Thied to recessitate but was dead. The books are messed up Set 3 nots in Half moon tauk Carge one was line Half moon tank is bacely sporting Small gue was pickled by BDS W/ over the dam Saw on ornate Box turtle
w) red eyes Couchs specietoot & couchs specietoot & One net had several cultion, Bass, a carpionet thouseholy no hotes Staged in Willeax Grot pulled over by Border Kuttol Saw as Ring-neehed snake 13- Aug 2010 "Do you have any drugs or Broke camp 4 headed to cheeked a pulled guins"; Sustin Congdons to wash our nets. hols@ Half moon trank. Stryld a had dinner all Instructional Every indication is that it has no further. No one has ever seen @a turke worked & bleached hots there, no one has ever trapped

a turke there, no one even Carryon to check out upper can worldle & lower tank in Dry Can Knows of anyone who has heard of a twike being flere. It is safe to say no furtes @ Half Han & Lower tunkistun, looks flooded built in 52 set 4 nets Via Glenn Frederick From a local marche Went to Tueson to get new that lower tank is perennial. tires 4 brakes. doesn't really look perennial but Got some really vice wheelo @ Big O Jared was one salesman Maybe it holds the Ke State line No firthe heads · Middle funk is dry. No treates Got rotes turned a new brake puds likely, habitutus not condusive for juvenile development to New three abrahes = 01,100 No soch pools, just muddy draws Stayed in Tuscon. · Upper Tank was full, had tons 4 August 2010 1 · Butidue set Q nets Got Tueson & went to Benson to grab goocesies saved a juvenile lack from Then set up camp in French Soe Congon. Dove to Dry a water Storage container It would have drown



[6-August - 2010] Stopped by Outlaw Cabin 4 took some pies. Rained off & on all night a threatens to cain this chilly morning @ Hiked up french Joe canyon of set I het in a pool Check nels @ Lower tank = & pulled nels 8.00 am Noodled west no lucto Left for LI Nogales spring via spankled'_ Empirita Ranch 9:00 ans Saw a black necked gather snake accived @ Lil Dogales around 10:30 7 Hugust 2010 (Noodled 650 m-700m of the canyon below hil Nogales spring. Caught 3 two thes French Joe canyon went to Benson for the day Saw a terrestrial flight corporal by # 8(whetstones) of 18 August 2010 Left pool 3-5 min after release trom taking blood & measuring Chuked nets in pools of French ju canyon = 8

Drove around St. David Cinega area near the SPRNOCA 19 August 2010 Cheelednots & F J canyon Several lorge tanks around the SPRICA, but the Drove to Simpson spring poodled Simpson spring are on Private peoperty. Loss to than last time Forms of Lyla in pools in French Jae carryon. No Buso Recap of #5 Copue of a new of Receip of #16 on lovel the was in the middle of the copyon wo no water edfin population. Small San a soons, clarkii

110 - August - 2010] \$111 August 2010 1 Aravapai is Gooded and person Drive to a noodled \$4 Recap #7 4 theats it . Redfield is most certainly Disapointing 1087 clay Ohechones @ FS Carpente Drue to Dougles to rehick head to Benson to wage a get supplies on the GTR from Douglas COOLOR to ascent of notrecably tess Ago in FJ canjon since we studed, Angemon pass we saw selfing nets in the pools 1 Gophersnake 2 Western Diamend backs Darktonil hattlesnake

- [12 August 2010]	113 August 2010 [
Clanton down has 420 in every	PAB showed up bright 4 early.
Hao spilling over top of the filled dam in classion	No tuetles in deep pool No tuetles in misguito pool 2 huelles in pool below BWH
Ran into an illegale, resho wanted a	2 Another in pool below BWH 4 nets = co-7 tendes
Set 4 nets in Bw Hale	4 nets left in BWH other 3 pulled 9 set in Savalina
Set I net in mosquito pool	
Set 4 nets in Bw Hole Set 1 net in magnito pool in pool below Bw Hole	Noodled from 150-300 m Delow Butt
Moded from bose of BWH to 190-100 m below. Caught 5 turkes	Small metamorphosed Bufo
- Caught 5 turles	Hyla are 1/2 metamorphosed
Saw 4 grys Stranded on GitR They had sipped the oil pan off	
Got Border patrol for them	And the state of t
Got Borde partol for them Gala menster as us outside over got caught in a terrential downpour or But, joaged back to the car	
Went to douglas to get Ken an own mutter	

14-August - Macio	115 August 2010/
chieked nets & BWH 4 nets = 2 hitles	Check nets @ BW Hole 4 Kets = 8 turles
Cheeked nets @ Savalina 3 nets = 2 tuotes	Check pets @ Javalina 3 nets = 5 turtles
Noodhed Sawons canyon Woodhed Big Gravelly	Hika over pMt. Down pinto miller eanyon 2250 m below S. Hole
3 Zone tails near Pine Bool	Noodled approx 300m until we reneled the intersection of Oloverdule a Miller Hiked to Man Spr.
Caught several blatch in Sangus 1- 15 However, it is snoprising to how	Novelled 500-600 m above Man Spr.
Thought stey would be	
swarming Obout are mostly absent	
Tent almost blew away in large thunderstorm	

Ken Locey (KJL) + LAURA BETH KIMMGL (LBK)
drove to the linaleno Mantains to conduct
Mark-recapture and solved blood samples.

SET 2 large + I small net in Evans Pond.
LEFT & NOTE FOR CGORGE HAYES, MANAGER

AF CLUFF BANCH. DROVE TO MAROSILDA

CREEK AND SET CAMP. EARLIGR THAT

MORNING, HAD A FLAT 5 minutes into the

drive out of the Peloncillos. FIXED IN

LORDS BUR G; COST A MINT.

PINALEUOS: MARASILDA, CLUR RANCH

0630-K5L & LBK DRIVG FROM MARISILDA

TO CLUFF RINCH; CNECK 3 NOTS IN EMAS

POND. CAPTILED 3TURTLOS (ZADULT 90,

ZADULT \$1,2 ARB UNMARKOD. MARK

AS 17+18, COLLOCTED MEASUROMENTS AND

BLOOD. DROVE BACK TO MARASILDA AFTER

RESETTING NOTS IN EVAUS. 1300-WALKED

MARASILDA CREEK; MODOLED ~ 400 M (3 hrs).

NIKEO MARASILDA CREEK TO S CANTON DAN TANK

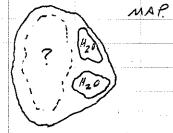
TANK IS CITHER FILLOD OR DAM NAS REEN

DESTROYED.

19 MAY 2013 (CONT'D)

MARAJILDA CREEK IS FLUST WITH WATER.
MONT POOLS DEED ENOUGH TO SET NETS.
EVANS POND (CLUFF RANCH) WAS ONLY PARTIBUT COVERED WITH WATER. TOO REEDY TO

EVANS



MARASILDA CREEK HAD A LOT OF VEGETATION, MANY LARGE BOULDERS, DEEPHOLES, SPIDERS, AND TONS OF SMALL INVERTS POAT LOOKED LIKE IEELHES.

20th MAT 2013

CHECKED NETS AT CLUFF RAWCH (EVANS PAND);

NO TURTLES. PULLED NETS; RETURNED TO

MARASILDA CREEK. TALKED AT LENGTH ABOUT

TURTLE PHYLOGEOREMPHY AND LAURA'S THESIS.

NOOPLED FOR TWO HOURS DOWN STREAM FROM

CAMP; FOUND NOTURTLES. DECIDED TO BREAK

CAMP AND HEAD TO DEER CREEK POND IN THE

GALIUROS. WASHED NOTS IN WILLOX.

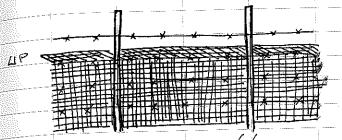
21 MAY 2013 KJL + LBK WAKE IN THE DEER CREEK AREA OF THE GALIUROS NIKED NETS TO DEER CREEK POND, POND WAS EMPTY PACKED PRODUCEMENT CAMP AND NEADED TO WILLOW; RESTOCKED WOTER, ICE, etc. DROVE TO COCNISE STRONGWOLD CAMP IN THE DRAGOON MINS; SET CAMP + POID FEE. NIKED TO HALFMOON TANK; SET TWO MEDWM. NETS. MET A NUKER ON THE COCNISE TRAIL WHO TOLD US OF SNOTHER TANK SLONG THE MIDDLE MARCH CANJON TRAIL; PLANNED TO SET NETS THERE THE NEXT DAY COCHISE CANTON AND ALL WASHES AND SMALLER CANTONS ON THE COCKISE TRAIL WERE DRT. ONLY WATER SEEN WAS IN HALFMOON TANK. HALFMOON TANK WAS HEAUT WITH DEBRIS SUD ALGAG; </m deep. LBK TOOK PICS OF WALFMOON TANK.

22 MAT 2013

0630-KJL + LBK HIKED TO HALFMOON TANK TO CHECK NETTS (2 MEDIUM); NO TURTLES HIKED TO TANK IN MIDDLE MARCH CONTON; CET 2 MEDIUM NETS. TANK IS LARGE AND DEEP ENOUGH TO SET LARGE NETS. SAW CHIRICANUAN LEOPARD FROGS AND LARGE TAD POLES IN TANK; ALSO SAW 2 GARTER SNAKES. SAW A GOLDEN EXGLE! NIKED BACK TO CAMP AND DROVE TO NEARBY CAS STATION TO GET CASH TO PAY ANOTHER NAYS CAMPING FEES. RETURNEDTO CAMP AND NIKED BACK TO TWK IN MIDDLEMARCH CANYON; SET / LARGE AND I SMALL NET. RETURNED TO CAMP AND WITNESSED A RESCUE EVENT. A YOUNG TEENAGER MAD GOTTEN HIMSELF STUCK IN SOME WHERE IN ONE OF THE CANTONS. RESCUE ATTEMPTS CASTED FROM ~ Spr to MIDNIGHT, AND WOLVED DT LEAST ? VENICLES, AMBULONCE, + HELICIPTER. SAW A GRET FOX THAT WAS ROAMING THE CAMP GROUND LOOKING FOR FOOD.

23-MAT-2013 0615 KJL + LBK HIKETO MIDDLE MARCH TANK TO CHECK NETS; NOTURTLES. (1L, ZM, 15 NET) TOOK PILS + GPS'D TANK FOUND 2 LEOPARD FROGS INTHE NETS. CAPTURED I LARGE BLACK-NECKED GARTER SNAKE. NIKED BACK TO CAMP; where we were approached by an elderly Morman couple; tried to give witness to Laura; gave her a Book of Mormon. They were nice. Broke camp and headed to Pouglas to restack. HEADED TO THE HUACHUCAS TO SAMPLE MUD SPRING HOLE AND SET CAMP. WIKED TO MUD SPRING HOLE/ TURTLE TANK AND SET IL +15 NET. SET CAMP AT ESTABLISHED CAMP SITE SLONG THE MONTEZUMA TRAIL ROSD.

24-MAT-2013 0630 K5L + LBK HIKEDTO MUD SPRING TO CHECK NETS (IL, IS). CAUGHT II KS TWERE NEW CAPTURES (BLOOD TAKEN). RESET NETS AND TWO ADDITIONAL NETS (2M). TOOK PIGS OF TANK. RETURNED TO CAMP. SAW WHAT MAY HAVE BEEN A FAMILY OF COATTS (=4). MAPPED THE TANK. 24 MAY 2013 CONTD USES HAS BUILT A FENCE AROUND MUD SPRING ANK! tO KEEP OUT BULLFROGS.



runs several indus belan grand

There is a set of steps built to allow human access, but most any herp or small mammal would be desired exitor entry. So what's going to happen to the turble s???

LBK TOOK TEACK OF FENCE.

POLENTIAL NOTE:

Effects of Encing off a water source on a population of Sonoran Mud Turtle's (K.S)

Population estimates before and effer?

recorded individual-level furnover?

Basic Idea: a fence built closely a tank

prohibits use / immigration and prohibits

dispersal / emigration from the tank.

tank is abundant with invertebrate predators

25-MAY-2013

0630- KJL + LBK HIRE TO MUDSPRING

TO CHECK NETS; NO NEW CAPTURES,

PENTY of receptures. HAS THE FENCE

PREVENTED DISPERSAL/EMIGRATION FROM

THETURISO TO CAMP. DRONG TO PARKER CANTON

LAKE AND GIKEO 4 NOTS (IL, IS, ZM) TO

BOGGT AREAS BELOW PARKER CANTON DAM.

SET ALL LINGTS IN BOGGT AREA #2.

RETURNED TO CAMP. CAUGHT AN GLEGANT

GARLESS LIZARD.

26-MAY-ZOLB 0700 KJL + LBK DRIVETO SONOITO TO CNECK TIRE (SUSPECTED LEAK) AND GETWATER. DROVE TO PARKER CANTON LAKE; NIKED DOWN TO BOGG! AREAS BENIND THE DAM TO CNECK NETS. CAUGHT 3 ADOUT K.S. (20°, 1°Q); ALL RECAPTORES. SET THE FOUR NETS (ZM, 1L, 1S) IN BOGG! AREA #1. SAW TWO ELEGANT EARLESS LIZARDS ALONG BEACH OF PARKER CANTON LAKE. SAW ONG ADOUT 3° CLARK'S SPINT LIZARD ON ATREE IN CAMP. SAW A WAWK GRAB A SMALL MAMMAL. [Furth no. 47 CHUGHT IN BOGG! AREA #2 WAS PENGINED NO. 86 WINT 26 MOT 2013 CONT'D

MO. 47 WAS ORICINALLY MARKED AS \$6;

ALL comments and MCL makind exactly.

IN THE TURTLE BOOK 47: 40 +3+4 but the

furtle WAS MAKED AS 40+30+9+3+4.

NO IDEA HOW THAT COULD WAVE BEEN INTENDED,

i.e. 5 marks. There was no #86 listed.

So #47 is now #86, to match existing Marks.

This needs to be corrected in the block samples!!!

27-MT-2013

DOOD KILL LIRK DRIVETO PARKER CANTON

LAKE, hite TO BOGGT APEAS BISHIND DAM, CAECKED

NETS. CAUGHT & TORTLES, INCLUDING I JUVENILE.

SOME OF THE TURTLES HAD THE BUMPT, KNOBBY

CARAPACE TYPICAL OF PARKER CANTON DAM TURTLES.

OTHERS HAD A SMOOTH, CLEAN NORMAL CARAPACE.

MOST OF THE 6 WINE NEW CAPTURES; TOOK BLOOD.

TOOK PILS OF THE BOGGT AREAS AND GPS MAPPED

THEM. TOOK PICS OF LBK SAMPLING BLOOD. PULLED

NETS + NIKED THEM BICKTO CAR; TWAT WAS "FUN".

DRIVE TO TANK #3 IN THE CANELLO ALLES; IT WAS

COMPLETELY DRY. THAT WAS VERT SUPPRISHING, GIVEN

HOW LARGE IT WAS PREVIOUSLY. DROVE BACKTO