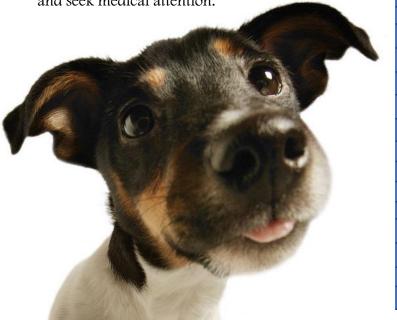
ANIMAL CONTROL STATS July 2010

TIP OF THE MONTH:

When confronted with wildlife, such as bees, opossums or coyotes, take caution and alert Animal Control or a professional exterminator. Wild animals and insects have a natural survival instinct that causes them to react. They may not know that you are trying to help them. A bite or a sting can result in serious injury or death. If you are bitten or stung by an insect, seek medical attention if you have allergic reactions such as difficulty breathing. If you are bitten or scratched by an animal, notify Animal Control and seek medical attention.

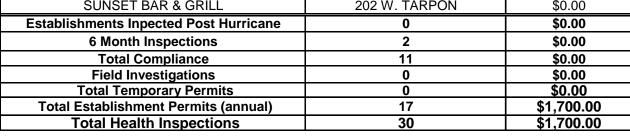


	July 2010	July 2009	June 2010
Alligator Concern	2	0	1
Animal Bite / Scratch	2	6	4
Animal Cruelty Concern	11	2	2
Animals Placed in Quarantine	1	0	1
Animals Released to Wild	20	30	26
ANIMAL RELEASED TO PIAS/FINS 2 FEATHERS/SEALIFE CENTER	25	12	47
Bee Calls	2	0	10
Beached/Dead Animal (Signal 0)	22	30	23
Cat or Dog Returned to Owner	10	2	9
Clean up after pets	5	2	3
Coyote Concern	0	1	2
Follow up on Coyote Concern	9	0	7
Follow up on Loose Canines or Cats	9	23	10
Follow up on Lost Pet	2	0	10
Follow up on Animal Bite / Scratch	2	7	0
Follow up on Quarantine Case	1	0	6
Injured Animal	9	1	7
Loose Canines Or Cats	71	64	33
Lost Dog / Cat Reported	3	1	3
Monitor & Re-bait Traps (Coyotes)	113	16	82
Owners to Vaccinate Dogs	4	3	0
Patrol for Owners Not Cleaning up After Pets	0	0	70
Raccoons in Dumpster	5	0	O
Snakes	5	2	2
Traps Issued	6	11	11
Traps Returned to Code Enforcement	6	10	7
Trap set up by Code Enforcement	0	36	6
Welfare Concern	0	11	2
TOTALS	345	270	374

CITY OF SOUTH PADRE ISLAND HEALTH DEPARTMENT STATS

	JULY 2010			Health Inspectors (3201) (3206)
PERMIT#	ESTABLISHMENT	ADDRESS	PERMIT FEE	Re-Inspection/Score
4072	ISLA GRAND QUARTERDECK	500 PADRE BLVD.	\$0.00	6MONTH/100
4073	ISLA GRAND GRILL	500 PADRE BLVD.	\$0.00	6MONTH/96
4076	DOLCE ROMA	904 PADRE BLVD.	\$100.00	NO/85
5038	CALICO JACK'S	1100 PADRE BLVD.	\$100.00	NO/100
5051	SCAMPI'S	206 W. ARIES	\$100.00	NO/91
5053	CAFÉ KRANZLER	2412 PADRE BLVD.	\$100.00	NO/100
5054	UCHI CUISINE	2300 PADRE BLVD.	\$100.00	NO/86
5055	DAIRY QUEEN	2401 PADRE BLVD.	\$100.00	NO/93
5057	JIMS PIER	209 W. WHITING	\$100.00	NO/100
5061	SUNSET CAFÉ	1004 PADRE BLVD.	\$100.00	NO/100
5062	SPEEDY PACK	3012 PADRE BLVD.	\$100.00	NO/88
5063	LA QUINTA	7000 PADRE BLVD.	\$100.00	NO/89
5064	DAY'S INN	3913 PADRE BLVD.	\$100.00	NO/95
5065	CORAL REEF LOUNGE	5301 PADRE BLVD	\$100.00	NO/96
5067	LA QUINTA BEACH CLUB	7000 PADRE BLVD.	\$100.00	NO/84
5068	TEQUILA SUNSET	200 WEST PIKE	\$100.00	NO/100
5069	BADABING BAGELS	1817 PADRE BLVD.	\$100.00	NO/100
5070	SUNSET BAR & GRILL	202 W. TARPON	\$100.00	NO/95
5074	PSYCHA DELI	3112 PADRE BLVD.	\$100.00	NO/100
4073	ISLA GRAND GRILL	500 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
4076	DOLCE ROMA	904 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5051	SCAMPI'S	206 W. ARIES	\$0.00	COMPLIANCE INSPECTION
5054	UCHI CUISINE	2300 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5055	DAIRY QUEEN	2401 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5062	SPEEDY PACK	3012 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5063	LA QUINTA	7000 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5064	DAY'S INN	3913 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5064	CORAL REEF LOUNGE	5301 PADRE BLVD	\$0.00	COMPLIANCE INSPECTION
5067	LA QUINTA BEACH CLUB	7000 PADRE BLVD.	\$0.00	COMPLIANCE INSPECTION
5070	SUNSET BAR & GRILL	202 W. TARPON	\$0.00	COMPLIANCE INSPECTION
anna aura	Establishments Inpected Post Hurricane	0	\$0.00	









CITY OF SOUTH PADRE ISLAND July 2010 Stats



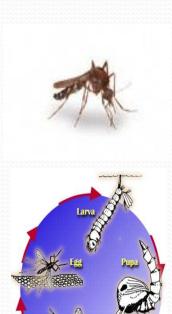
Code Enforcement

Bee's		Jul-10	Jul-09	Jun-10
Bee's 0	Beach Patrol Section C TIME'S X HOURS/ MIN.	17 x 24HRS 30MIN	80 x 112HRS 30MIN	13 x 13HRS 10MIN
Camping (Sec.12-3) 3 26 2 Climate Action Plan (hours) 32 0 0 Commercial Act (Sec. 13-17,18,20) 6 0 1 Concern citizens/Ordinance Info. (Code 5) 350 211 219 Construction Site Survey 0 171 0 Debris/Misc. on Roadway Removed 160 742 115 Debris/Trash removed on Beach (Sec. C) 0 22 0 Effluent Discharge (Sec. 10-1) 14 10 10 Enclosures Proper/Screened (Sec. 9-13(B)(5)) 24 109 13 Fireworks Prohibited (Sec. 8-4) 19 21 0 Garbage/Trash Containers (Sec. 9-13(B)(5)) 24 109 13 Fireworks Prohibited (Sec. 8-3) 0 27 11 Glass on Beach (Sec. 12-7) 5 40 1 Garbage/Trash Containers (Sec. 9-13A) 0 27 11 Glass on Beach (Sec. 12-7) 5 40 1 Garbage/Trash Containers (Sec. 12-1) 1 5 7		0	0	10
Climate Action Plan (hours) 32	BFI Bundle/Brush Locations (Sec. 9-17)	11	42	31
Commercial Act (Sec. 13-17,18,20)	Camping (Sec.12-3)	3	26	2
Concern citizens/Ordinance Info. (Code 5) 350 211 219 Construction Site Survey 0 171 0 Debris/Misc. on Roadway Removed 160 742 15 Debris/Trash removed on Beach (Sec. C) 0 22 0 Effluent Discharge (Sec. 10-1) 14 10 10 Enclosures Proper/Screened (Sec. 9-13(B)(5)) 24 109 13 Fireworks Prohibited (Sec.8-4) 19 21 0 Garbage/Trash Containers (Sec.9-13A) 0 27 11 Gimme \$5 Certificate 0 0 2 2 Glass on Beach (Sec. 12-7) 5 40 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 2 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 1 1 1 5 7 <td< td=""><td>Climate Action Plan (hours)</td><td>32</td><td>0</td><td>0</td></td<>	Climate Action Plan (hours)	32	0	0
Concern citizens/Ordinance Info. (Code 5) 350 211 219 Construction Site Survey 0 171 0 Debris/Misc. on Roadway Removed 160 742 15 Debris/Trash removed on Beach (Sec. C) 0 22 0 Effluent Discharge (Sec. 10-1) 14 10 10 Enclosures Proper/Screened (Sec. 9-13(B)(5)) 24 109 13 Fireworks Prohibited (Sec.8-4) 19 21 0 Garbage/Trash Containers (Sec.9-13A) 0 27 11 Gimme \$5 Certificate 0 0 2 2 Glass on Beach (Sec. 12-7) 5 40 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 2 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 1 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 1 1 1 5 7 <td< td=""><td>Commercial Act (Sec. 13-17,18,20)</td><td>6</td><td>0</td><td>1</td></td<>	Commercial Act (Sec. 13-17,18,20)	6	0	1
Debris/Misc. on Roadway Removed		350	211	219
Debris/Misc. on Roadway Removed	Construction Site Survey	0	171	0
Debris/Trash removed on Beach (Sec. C)	-	160	742	15
Effluent Discharge (Sec. 10-1) 14 10 10 Enclosures Proper/Screened (Sec. 9-13(B)(5)) 24 109 13 Fireworks Prohibited (Sec.8-4) 19 21 0 Garbage/Trash Containers (Sec.9-13A) 0 27 11 Gimme \$5 Certificate 0 0 0 2 Glass on Beach (Sec. 12-7) 5 40 1 Graffiti (Sec.12-21) 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 Littering Prohibited (Sec. 9-3) 158 264 68 Loitering (Sec 12-18) 0 37 0 Maintenance of Signs (Sec. 15-11(B,C)) (15-2) 8 7 0 Noises-Loud, disturbing, etc. prohibited (Sec.12-2) 1 1 1 Out door Display (Sec.13-15) 0 2 7 Overgrown weeds on commercial property (Sec.4-56) 3 0 4 Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4		0	22	0
Enclosures Proper/Screened (Sec. 9-13(B)(5)) Fireworks Prohibited (Sec.8-4) Fireworks Prohibited (Sec.8-4) Garbage/Trash Containers (Sec.9-13A) Gimme \$5 Certificate Galss on Beach (Sec. 12-7) Graffiti (Sec.12-21) Hotel and Rooming (State Code 341.066) Littering Prohibited (Sec. 9-3) Littering Prohibited (Sec. 9-3) Maintenance of Signs (Sec. 15-11(B,C)) (15-2) Maintenance of Signs (Sec. 15-11(B,C)) (15-2) NoisesLoud, disturbing, etc. prohibited (Sec.12-2) Out door Display (Sec.13-15) Overgrown weeds on commercial property (Sec.4-56) Owners to maintain clean premises (Sec.9-12) Permit for work on ROW Req'd (Sec. 16-1) Prohibited Banner/Sign (Sec. 15-5) Recreational Vehicles/Mobile Equipment (Sec 20-11) Recycling Monofilament Regulations on Shade Devices (Sec.13-24) Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 10 2 11 12 13 15 16 181 67 Stagnant Water (Sec.9-4)	· · · ·	14	10	10
Fireworks Prohibited (Sec.8-4) Garbage/Trash Containers (Sec.9-13A) Gimme \$5 Certificate Glass on Beach (Sec. 12-7) Gimme \$5 Certificate Glass on Beach (Sec. 12-7) Graffiti (Sec.12-21) Hotel and Rooming (State Code 341.066) Littering Prohibited (Sec. 9-3) Littering Prohibited (Sec. 9-3) Maintenance of Signs (Sec. 15-11(B,C)) (15-2) NoisesLoud, disturbing, etc. prohibited (Sec.12-2) NoisesLoud, disturbing, etc. prohibited (Sec.12-2) Uut door Display (Sec.13-15) Overgrown weeds on commercial property (Sec.4-56) Owners to maintain clean premises (Sec.9-12) Permit for work on ROW Req'd (Sec. 16-1) Prohibited Banner/Sign (Sec. 15-5) The prohibited Banner (Sec.9-12) Prohibition of shade devices on the public beach between sunset & 9am Recycling Monofilament Recycling M		24	109	13
Garbage/Trash Containers (Sec.9-13A) 0 27 11 Gimme \$5 Certificate 0 0 2 Glass on Beach (Sec. 12-7) 5 40 1 Graffiti (Sec.12-21) 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 Littering Prohibited (Sec. 9-3) 158 264 68 Loitering (Sec 12-18) 0 37 0 Maintenance of Signs (Sec. 15-11(B,C)) (15-2) 8 7 0 NoisesLoud, disturbing, etc. prohibited (Sec.12-2) 1 1 1 Out door Display (Sec.13-15) 0 2 7 Overgrown weeds on commercial property (Sec.4-56) 3 0 4 Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4 136 4 Permit Req. on Banners 12 14 7 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11)<		19	21	0
Gimme \$5 Certificate 0 0 0 2 Glass on Beach (Sec. 12-7) 5 40 1 Graffiti (Sec.12-21) 1 5 7 Hotel and Rooming (State Code 341.066) 2 0 2 Littering Prohibited (Sec. 9-3) 158 264 68 Loitering (Sec 12-18) 0 37 0 Maintenance of Signs (Sec. 15-11(B,C)) (15-2) 8 7 0 NoisesLoud, disturbing, etc. prohibited (Sec.12-2) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	` '	0	27	11
Glass on Beach (Sec. 12-7) 5	` '	0	0	2
Graffiti (Sec.12-21)	· · · · · · · · · · · · · · · · · · ·	5	40	1
Hotel and Rooming (State Code 341.066) 2		1	5	7
Littering Prohibited (Sec. 9-3)	·	2	0	2
Loitering (Sec 12-18)		158	264	68
Maintenance of Signs (Sec. 15-11(B,C)) (15-2) 8 7 0 NoisesLoud, disturbing, etc. prohibited (Sec.12-2) 1 1 1 Out door Display (Sec.13-15) 0 2 7 Overgrown weeds on commercial property (Sec.4-56) 3 0 4 Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4 136 4 Permit Req. on Banners 12 14 7 Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 0 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2	, ,	0	37	0
NoisesLoud, disturbing, etc. prohibited (Sec.12-2)		8	7	0
Out door Display (Sec.13-15) 0 2 7 Overgrown weeds on commercial property (Sec.4-56) 3 0 4 Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4 136 4 Permit Req. on Banners 12 14 7 Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 0 0 3 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3				
Overgrown weeds on commercial property (Sec.4-56) 3 0 4 Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4 136 4 Permit Req. on Banners 12 14 7 Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 4 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 3 0 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3				
Owners to maintain clean premises (Sec.9-12) 52 196 72 Permit for work on ROW Req'd (Sec. 16-1) 4 136 4 Permit Req. on Banners 12 14 7 Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 4 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 3 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3	<u> </u>	3	0	4
Permit Req. on Banners 12 14 7 Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 4 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 3 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3		52	196	72
Prohibited Banner/Sign (Sec. 15-5) 11 30 11 Prohibition of shade devices on the public beach between sunset & 9am 50 133 55 Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 Recycling Monofilament 3 0 5 Regulations on Shade Devices (Sec.13-24) 18 434 1 Riding on portion of vehicle not intended for passengers (Sec.12-16) 4 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 3 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3	Permit for work on ROW Reg'd (Sec. 16-1)	4	136	4
Prohibition of shade devices on the public beach between sunset & 9am Recreational Vehicles/Mobile Equipment (Sec 20-11) Recycling Monofilament Regulations on Shade Devices (Sec.13-24) Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 133 55 133 55 14 0 0 3 15 1 1 1 1 1 1 1 1 1 1 1 1	Permit Req. on Banners	12	14	7
between sunset & 9am Recreational Vehicles/Mobile Equipment (Sec 20-11) Recycling Monofilament Regulations on Shade Devices (Sec.13-24) Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 10 15 15 1 16 17 18 4 0 0 0 3 18 67 181 67	Prohibited Banner/Sign (Sec. 15-5)	11	30	11
Detween sunset & 9am Recreational Vehicles/Mobile Equipment (Sec 20-11) 3 15 1 1 1 1 1 1 1 1	Prohibition of shade devices on the public beach	50	422	EE
Recycling Monofilament Regulations on Shade Devices (Sec.13-24) Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 3 0 0 3 0 3 0 5 0 0 0 18 0 3 19 10 2 3	between sunset & 9am	50	133	
Regulations on Shade Devices (Sec.13-24) Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 18 4 0 0 3 18 434 1 0 0 18 18 434 1 0 0 18 18 4 10 2 3 18 18 4 10 2 3 18 18 18 18 18 18 18 18 18		3	15	1
Riding on portion of vehicle not intended for passengers (Sec.12-16) Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) Sign Standards (Sec. 15-7) Stagnant Water (Sec.9-4) 0 0 3 10 2 3				
(Sec.12-16) 4 0 0 Right of Way-Commercial Activity Prohibited Thereon (Sec. 13-18) 0 0 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3			434	1
(Sec. 13-18) 0 0 3 Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3		4	0	0
Sign Standards (Sec. 15-7) 6 181 67 Stagnant Water (Sec.9-4) 10 2 3	, ,	0	0	3
Stagnant Water (Sec.9-4) 10 2 3		6	181	67
	` '	10	2	3
	Street Light Survey	0	27	

TABC Permits Issued to Businesses (Sec. 11-77)	54	0	0
Vehicles Prohibited On Beach (sec. 18-4)1	1	6	0
Weedy Lots (Sec. 9-6)	62	50	29
Follow up on Banners / Signs / Required Signs	16	18	41
Follow up on Brush/Debris	0	42	0
Follow up on Effluent Discharge/Stagnant	12	7	19
Follow up on Enclosures	12	78	11
Follow up on Graffiti(Sec.12-21)	0	3	0
Follow up on Littering(Sec.9-3)	1	91	1
Follow up on Noise (Sec.12-2)	4	0	0
Follow up on Permit for R.O.W. (Sec 16-1)	1	327	2
Follow up on Property Cleanup/Overfilled Bins	51	176	85
Follow up on R.V's / Mobile Equipment	0	15	0
Follow up on Regulations of Shade Devices & Chairs	2	7	0
Follow up on Stagnant Water	7	0	0
Follow up on Weedy Lot/Weedy Businesses	98	95	182
Follow Up on Trash Service	0	0	4
Total for Follow-Ups	204	859	345
CALLS FOR SERVICE	1308	3900	1903
NOTICE OF COMPLY ISSUED	17	111	41
WARNINGS ISSUED	18	45	4
CITATIONS ISSUED	2	20	2

Mosquito Management stats for the month of July 2010

	July 2010	July 2009	April 2010
Altosid (larviciding)	13	n/a	5
B.T.I. (larviciding)	334	n/a	0
Anvil 2+2 (adulticide)	27	n/a	10
Scheduled for Adulticide	5 3	n/a	0
Kontrol 4-4 (adulticide)	3	n/a	
Landing Rate Counts	44	n/a	0
Work done in Chemical room	18	n/a	O
Totals:	492	n/a	15



How Do People Contract Arbovirus Encephalitis?

Any person can become infected when a mosquito carrying one of these viruses bites them.

Mosquitoes obtain the virus when feeding on infected birds and other wild animals, which are the natural carriers of these viruses. Human infections occur most commonly between late spring and early fall. There is no evidence that the diseases are spread directly from one person to another.