Tortoise Survey Results

Hyundai Test Track Area
Mojave, Ca

Tables and Figures

Principle:

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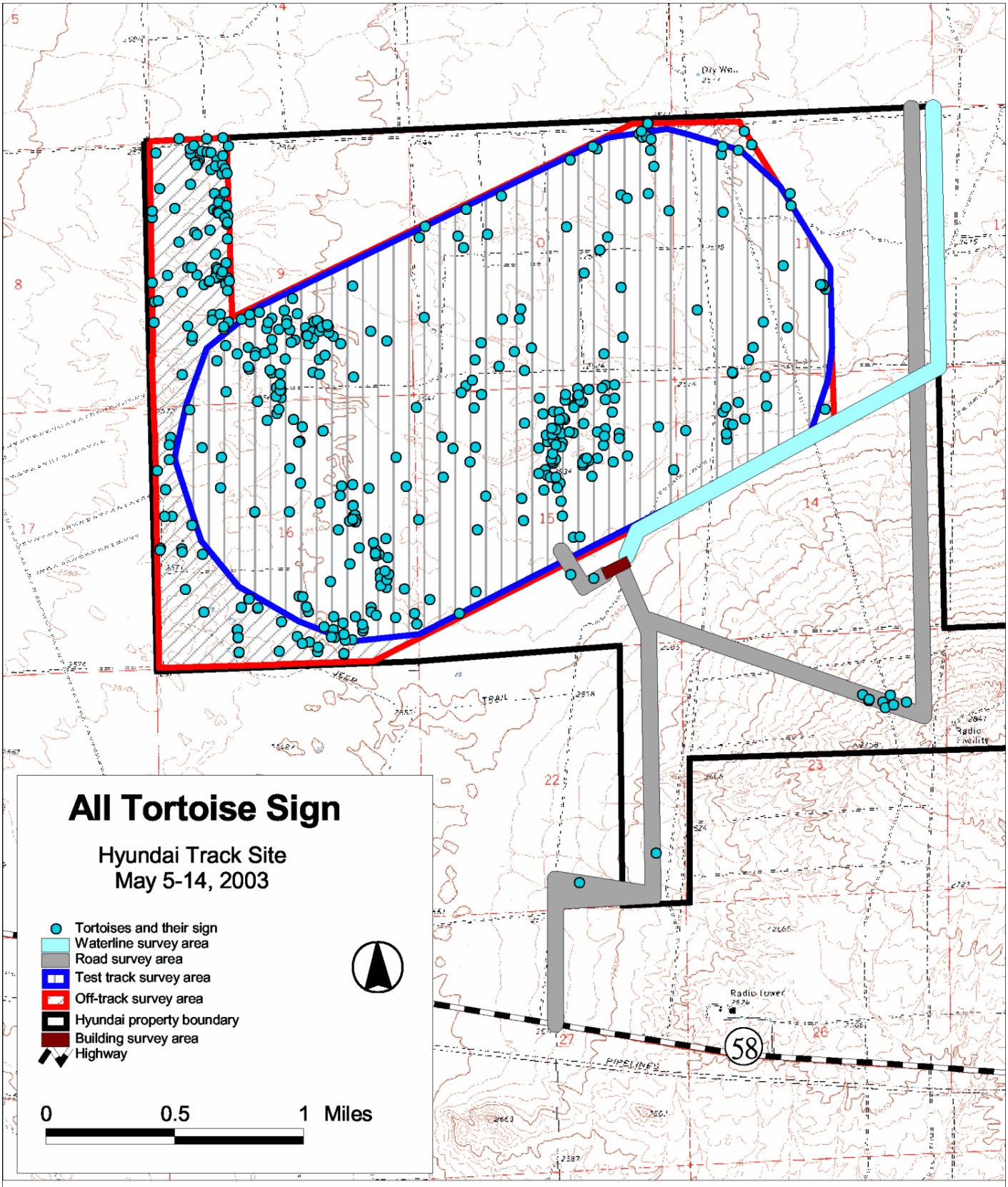
Ted Rado	Mercy Vaughn	John Weir	Peggy Wood	Bill Vanherweg

Table 1. Total tortoise sign count by land use and category at Hyundai survey area, May 5-14, 2003.

		Land use						
		Track	Off-track	Road	Waterline	Building	Subtotal	Total
Tortoise	Female	2					2	8
	Male	5					5	
	Unknown		1				1	
Carcass	< 1 yr. since death	3	3				6	43
	1-2 yrs.	3					3	
	> 2 yrs.	26	5	3			34	
Burrow	Active	15	3				18	160
	Good inactive	31	24	2			57	
	Fair inactive	40	14				54	
	Poor inactive	9	17	2			28	
	Pallet	2	1				3	
Scat	This year	225	41	6			272	461
	Not this year	97	73	6			176	
	Unknown	11	2				13	
	Total sign count	469	184	19				**672**

Table 2. Adjusted tortoise sign count by land use and category at Hyundai survey area, May 5-14, 2003. Sign of similar quality and spatial proximity aggregated.

		Land use						
		Track	Off-track	Road	Waterline	Building	Subtotal	Total
Tortoise	Female	2					2	8
	Male	5					5	
	Unknown		1				1	
Carcass	< 1 yr. since death	3	3				6	43
	1-2 yrs.	3					3	
	> 2 yrs.	26	5	3			34	
Burrow	Active	15	2				17	154
	Good inactive	31	24	2			57	
	Fair inactive	37	13				50	
	Poor inactive	9	16	2			27	
	Pallet	2	1				3	
Scat	This year	106	20	3			129	262
	Not this year	75	49	4			128	
	Unknown	3	2				5	
	Adjusted sign count	317	136	14				**467**



Survey Protocol

- Ten meter transect interval

Summary Statistics

	Miles of Transect	Survey Acreage
Track	1076.8	2125.0
Off-track	228.6	423.2
Waterline	24.4	98.5
Road	60.0	248.8
Building	N/A	3.2
Total	1389.8	2898.7

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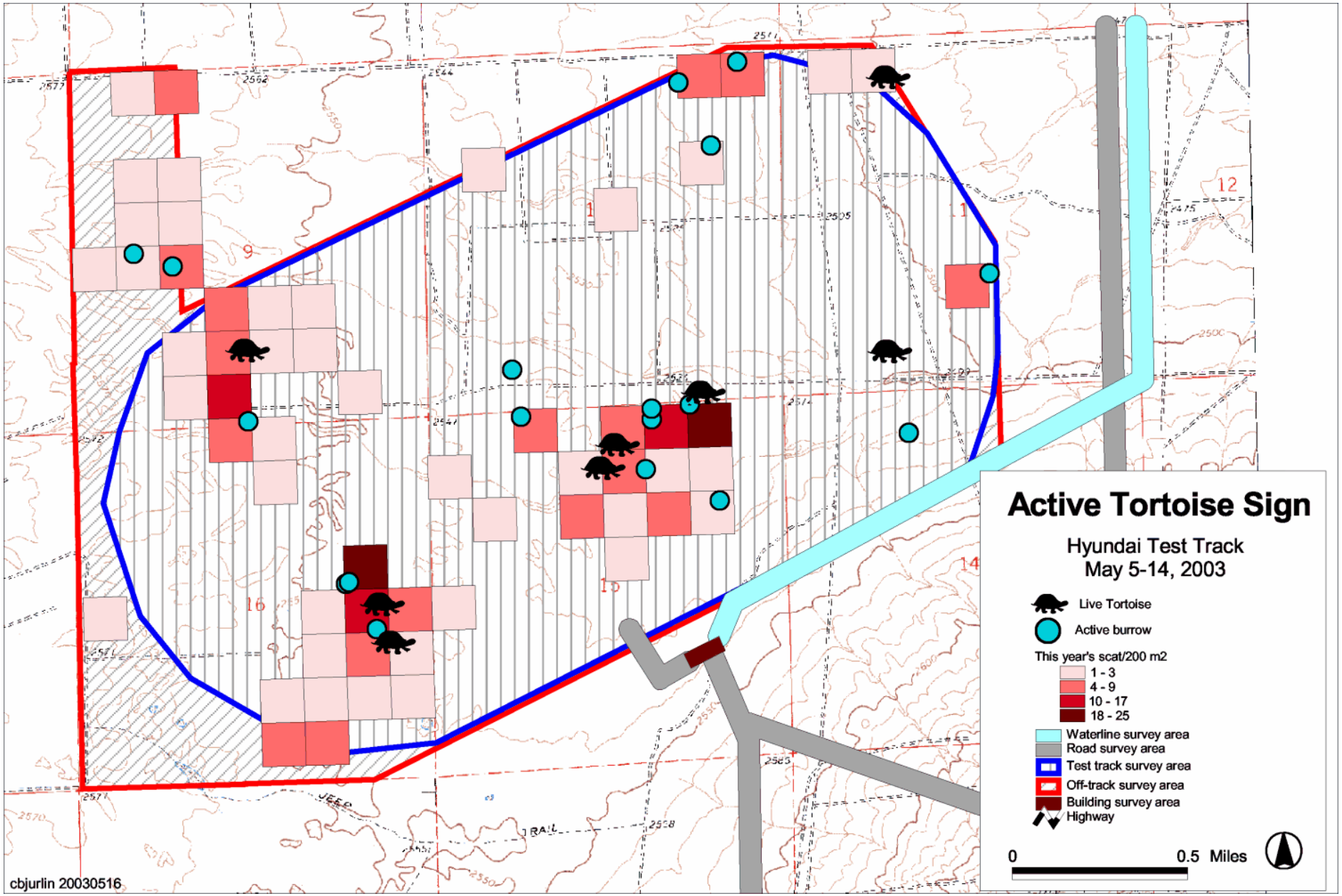
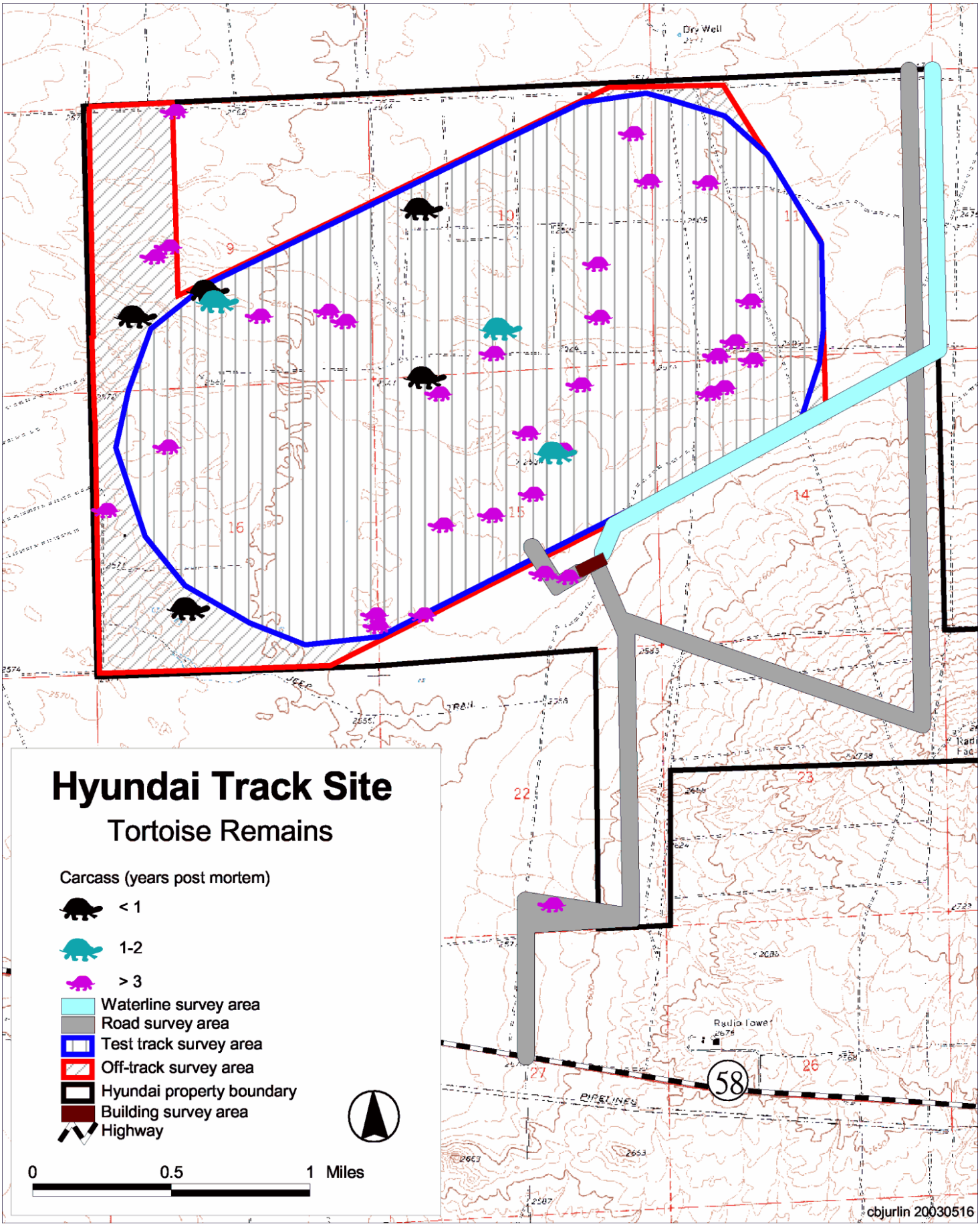
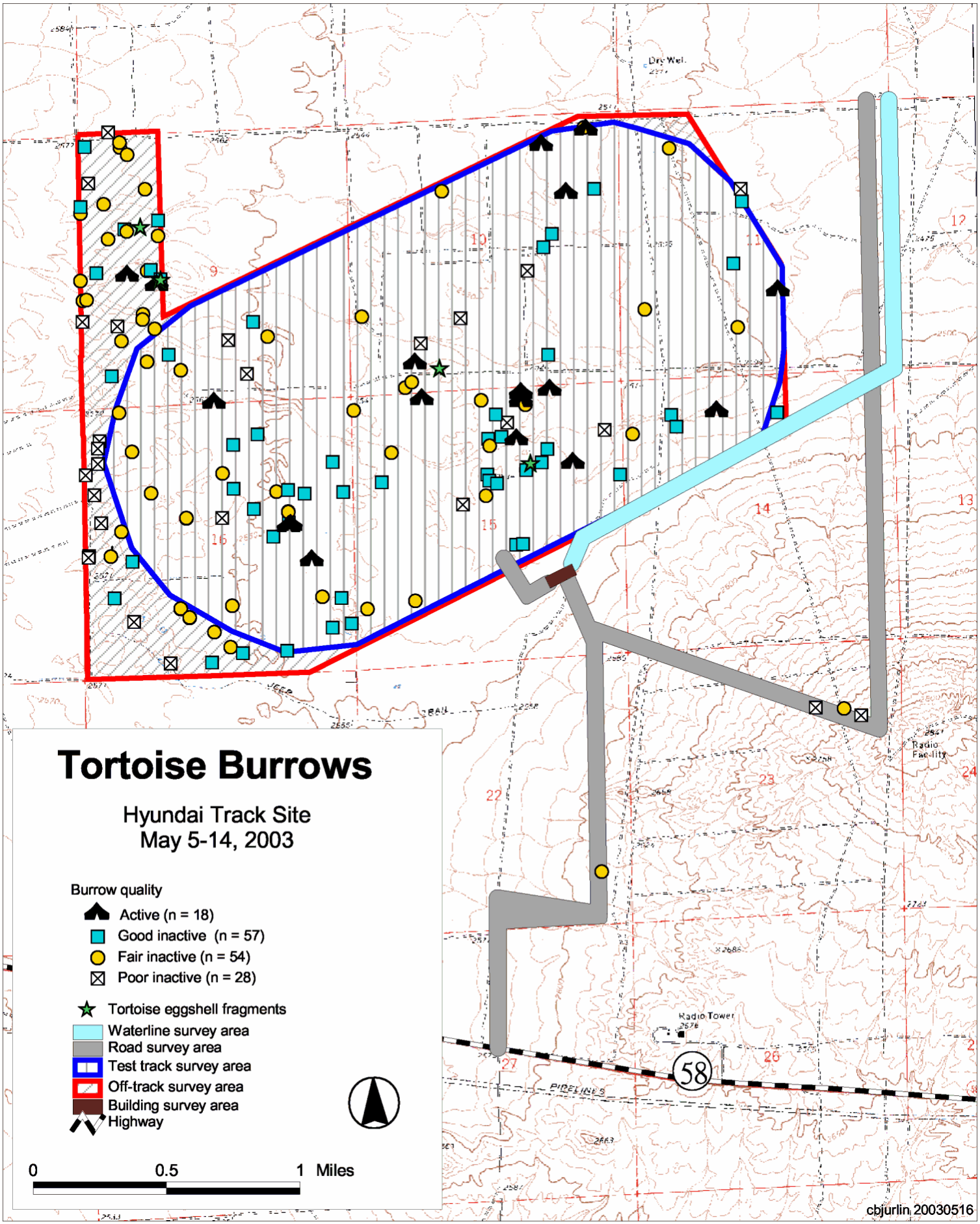
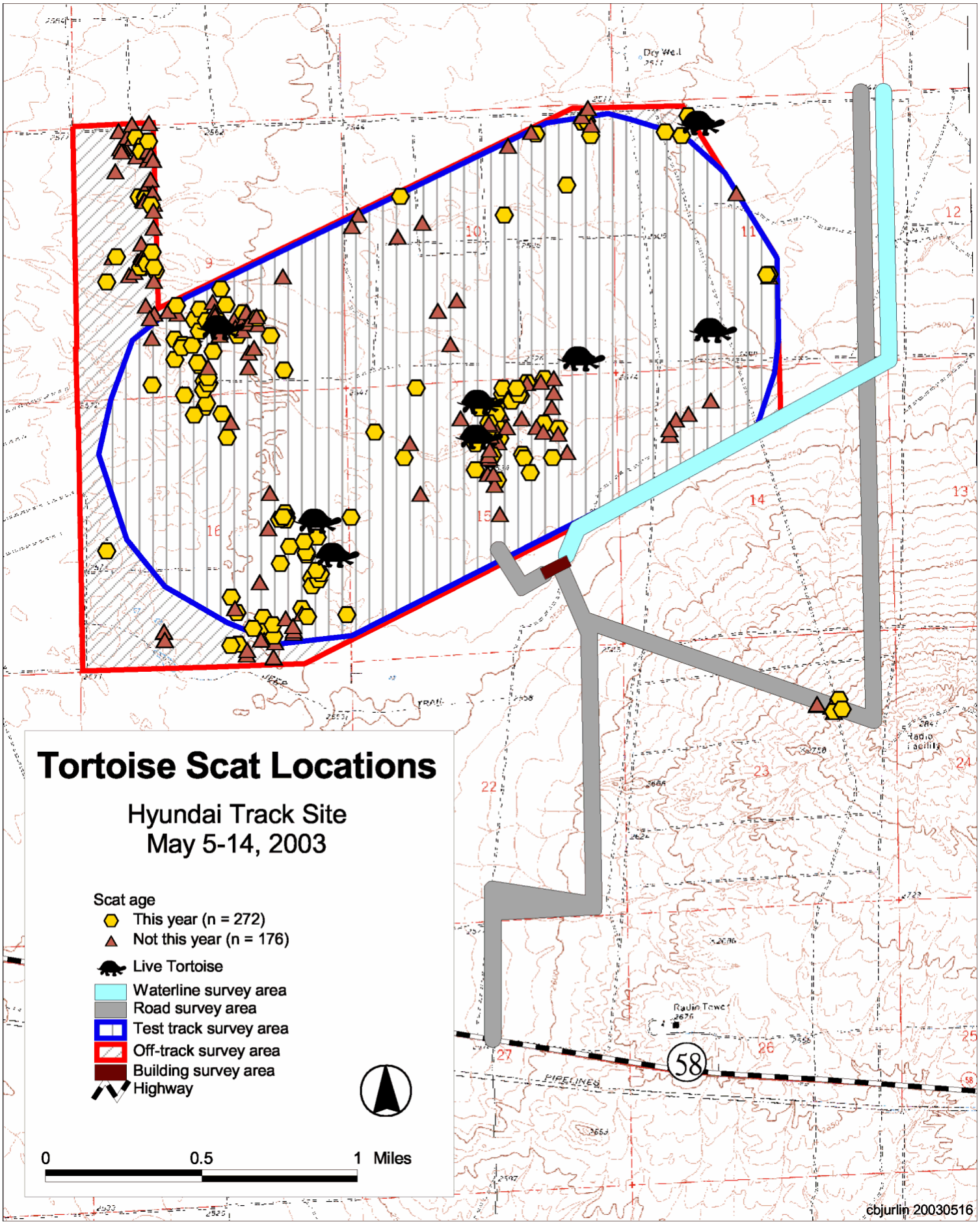
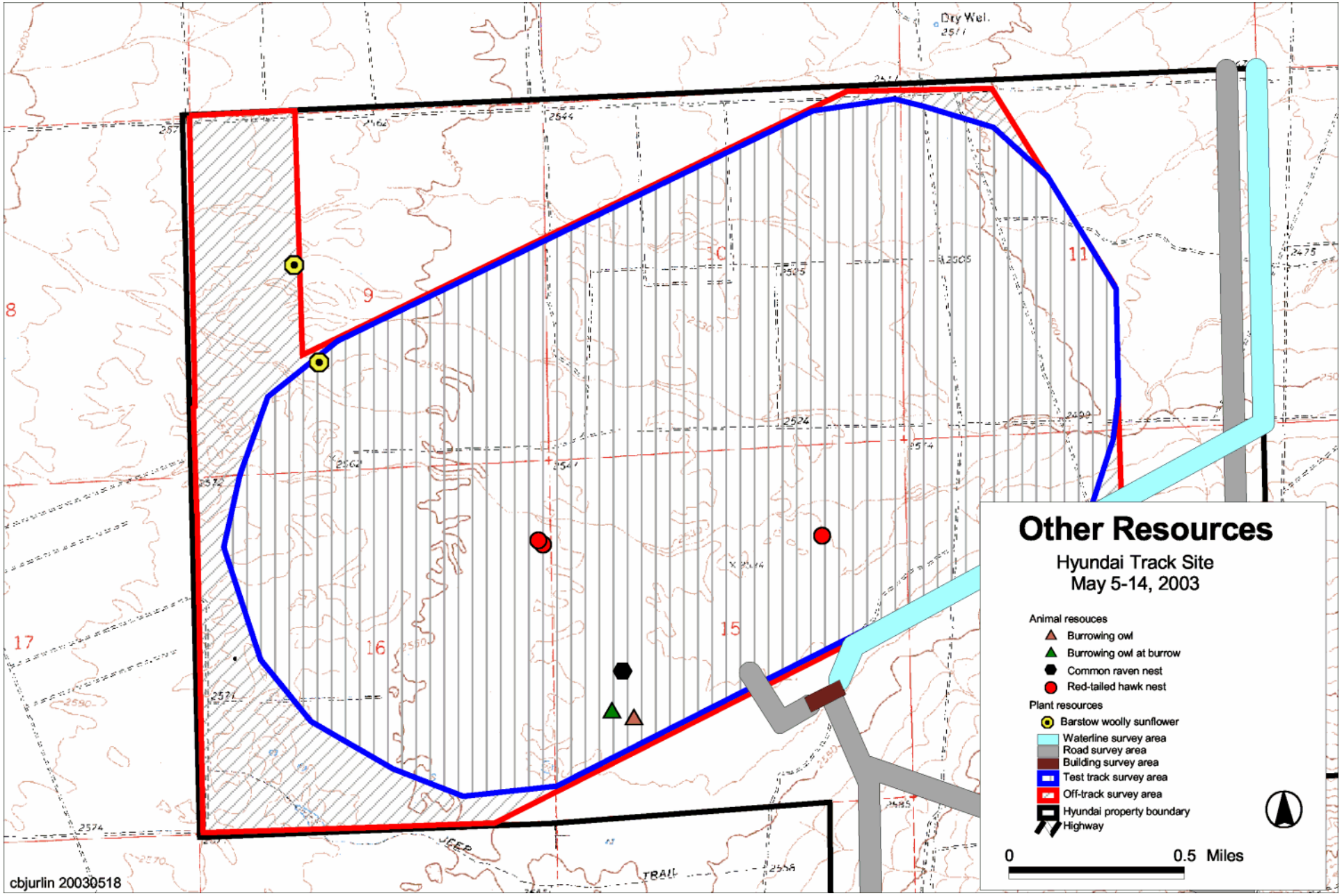

Active Tortoise Sign
Hyundai Test Track
May 5-14, 2003
Live Tortoise
Active burrow
This year's scat/200 m2
1 - 3
4 - 9
10 - 17
18 - 25
Waterline survey area
Road survey area
Test track survey area
Off-track survey area
Building survey area
Highway
0
0.5 Miles
cbjurlin 20030516


Hyundai Track Site
Tortoise Remains
Carcass (years post mortem)
< 1
1-2
> 3
Waterline survey area
Road survey area
Test track survey area
Off-track survey area
Hyundai property boundary
Building survey area
Highway
0
0.5
1 Miles
Dry Well
Radio Tower
58
cbjurlin 20030516


Tortoise Burrows
Hyundai Track Site
May 5-14, 2003
Burrow quality
Active (n = 18)
Good inactive (n = 57)
Fair inactive (n = 54)
Poor inactive (n = 28)
Tortoise eggshell fragments
Waterline survey area
Road survey area
Test track survey area
Off-track survey area
Building survey area
Highway
0
0.5
1 Miles
Dry Wel.
Radio Facility
Radio Tower
PIPELINES
58
cbjurlin 20030516


Tortoise Scat Locations
Hyundai Track Site
May 5-14, 2003
Scat age
This year (n = 272)
Not this year (n = 176)
Live Tortoise
Waterline survey area
Road survey area
Test track survey area
Off-track survey area
Building survey area
Highway
0
0.5
1 Miles
cbjurlin 20030516


Other Resources
Hyundai Track Site
May 5-14, 2003
Animal resouces
Burrowing owl
Burrowing owl at burrow
Common raven nest
Red-tailed hawk nest
Plant resources
Barstow woolly sunflower
Waterline survey area
Road survey area
Building survey area
Test track survey area
Off-track survey area
Hyundai property boundary
Highway
0
0.5 Miles
cbjurlin 20030518
Dry Wel.
JEEP
TRAIL
8
9
10
11
15
16
17