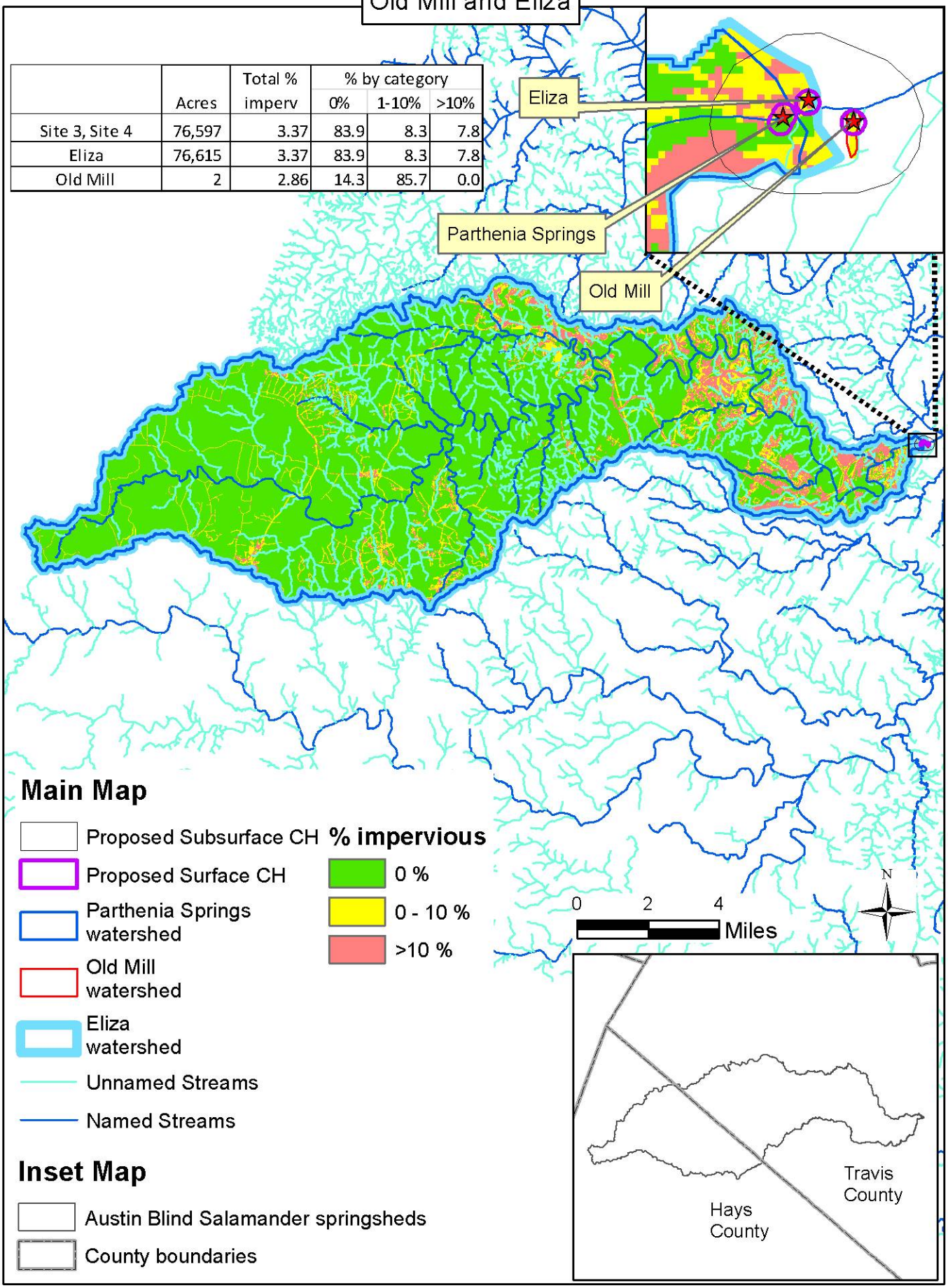
Appendix A

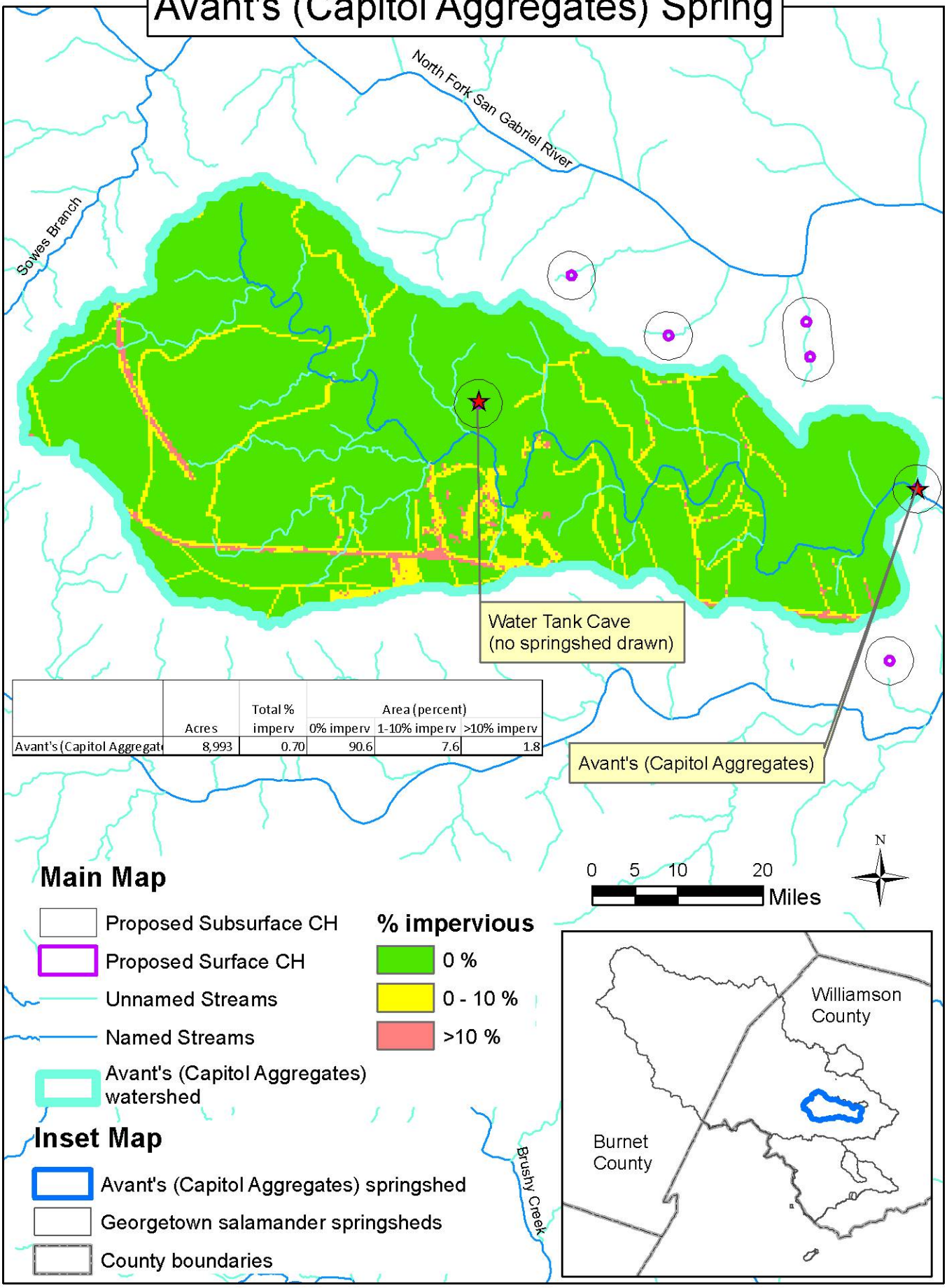
Maps of each individual springshed analyzed by U.S. Fish and Wildlife Service

Old Mill and Eliza

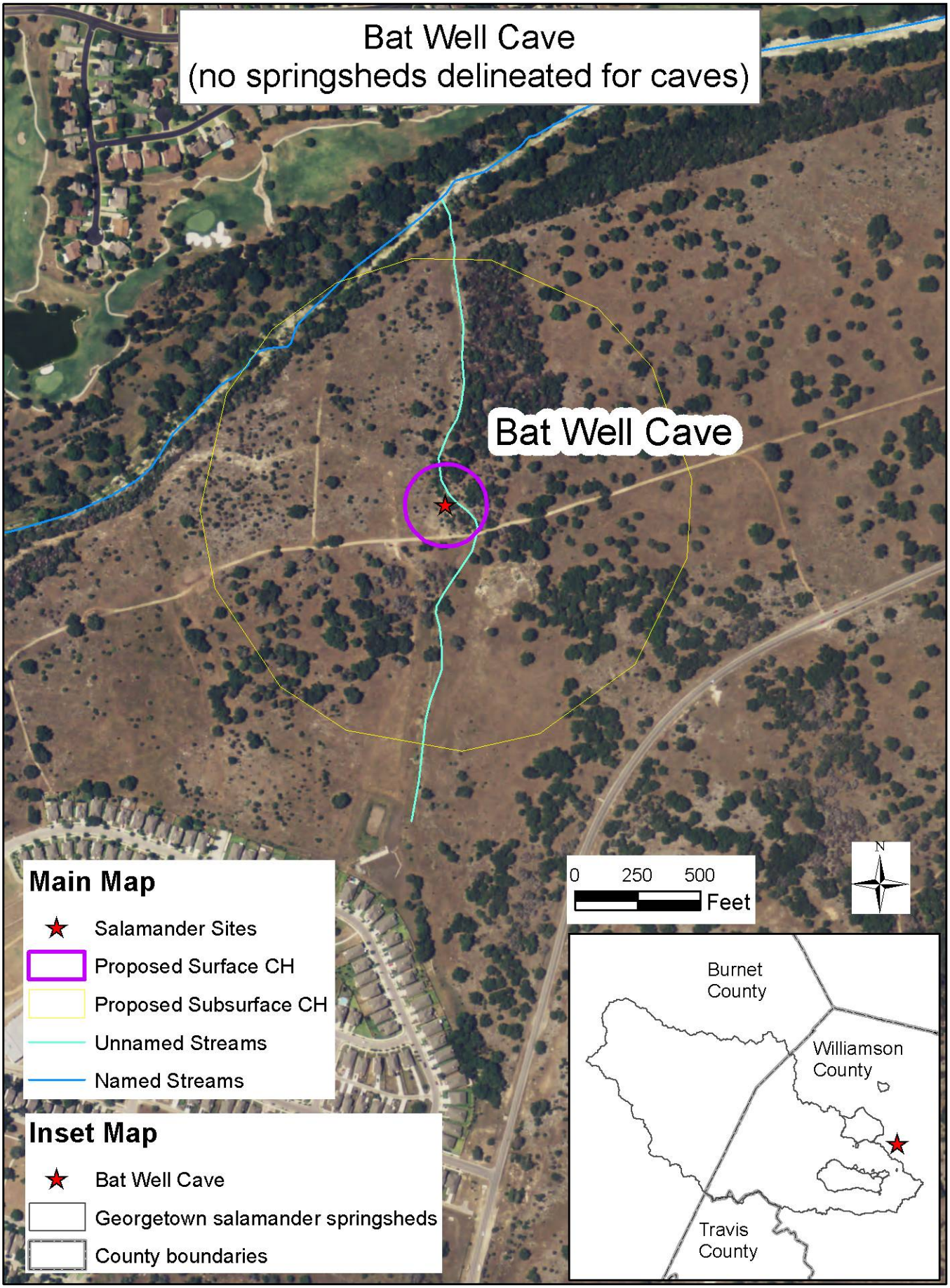
	Acres	Total % imperv	% by category 0%	1-10%	>10%
Site 3, Site 4	76,597	3.37	83.9	8.3	7.8
Eliza	76,615	3.37	83.9	8.3	7.8
Old Mill	2	2.86	14.3	85.7	0.0



Avant's (Capitol Aggregates) Spring

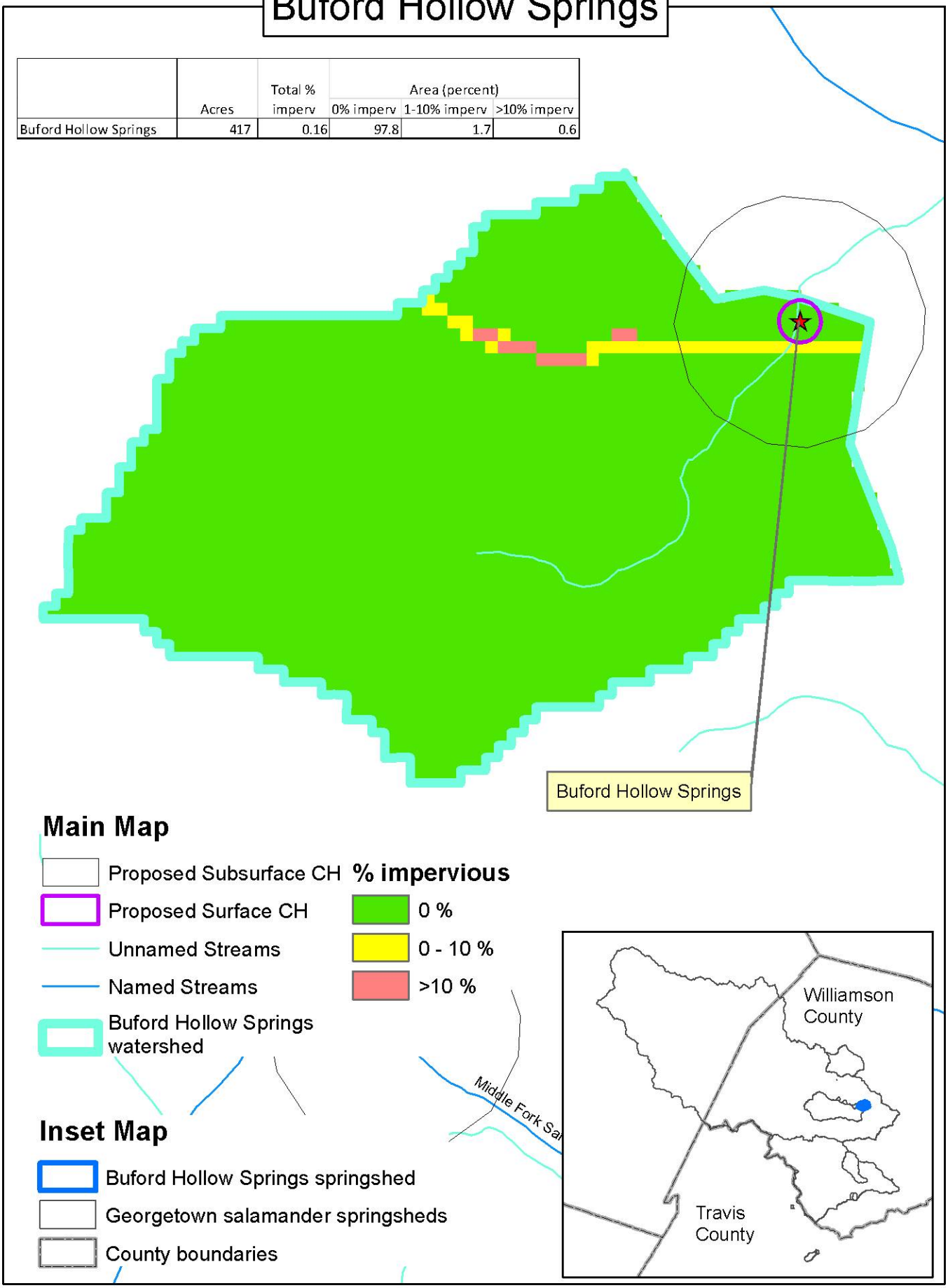


	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Avant's (Capitol Aggregate	8,993	0.70	90.6	7.6	1.8

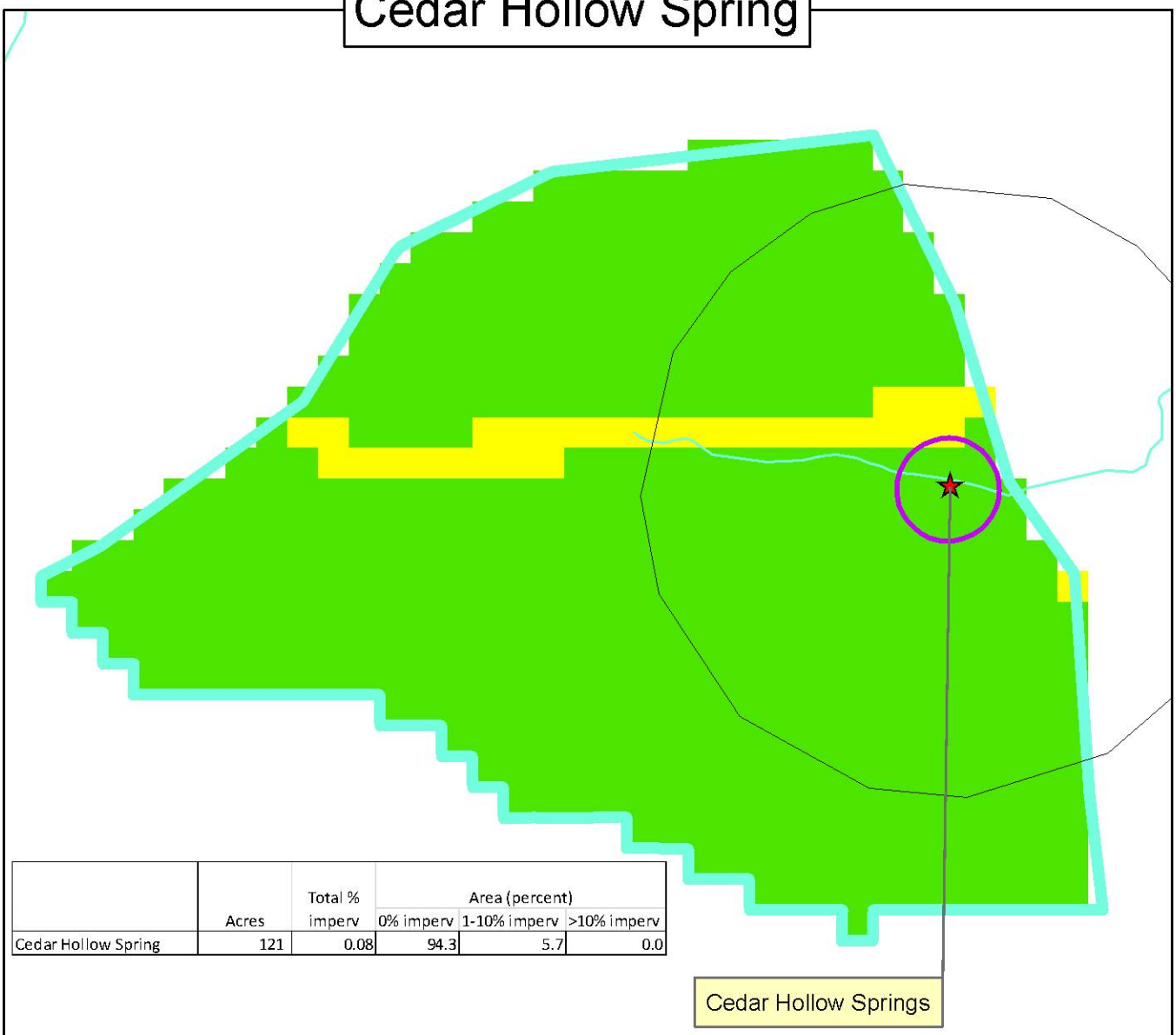

Bat Well Cave
(no springsheds delineated for caves)
Bat Well Cave
Main Map
Salamander Sites
Proposed Surface CH
Proposed Subsurface CH
Unnamed Streams
Named Streams
Inset Map
Bat Well Cave
Georgetown salamander springsheds
County boundaries
0 250 500
Feet
N
Burnet County
Williamson County
Travis County

Buford Hollow Springs

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Buford Hollow Springs	417	0.16	97.8	1.7	0.6



Cedar Hollow Spring



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Cedar Hollow Spring	121	0.08	94.3	5.7	0.0

Main Map

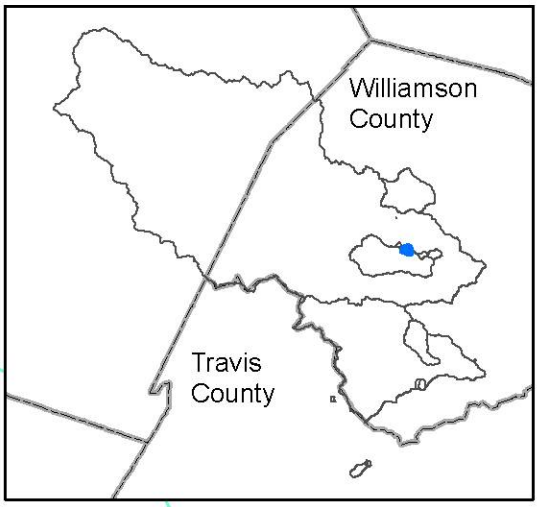
- Proposed Subsurface CH
- Proposed Surface CH
- Cedar Hollow Spring watershed
- Unnamed Streams
- Named Streams

% impervious

- 0 %
- 0 - 10 %
- >10 %

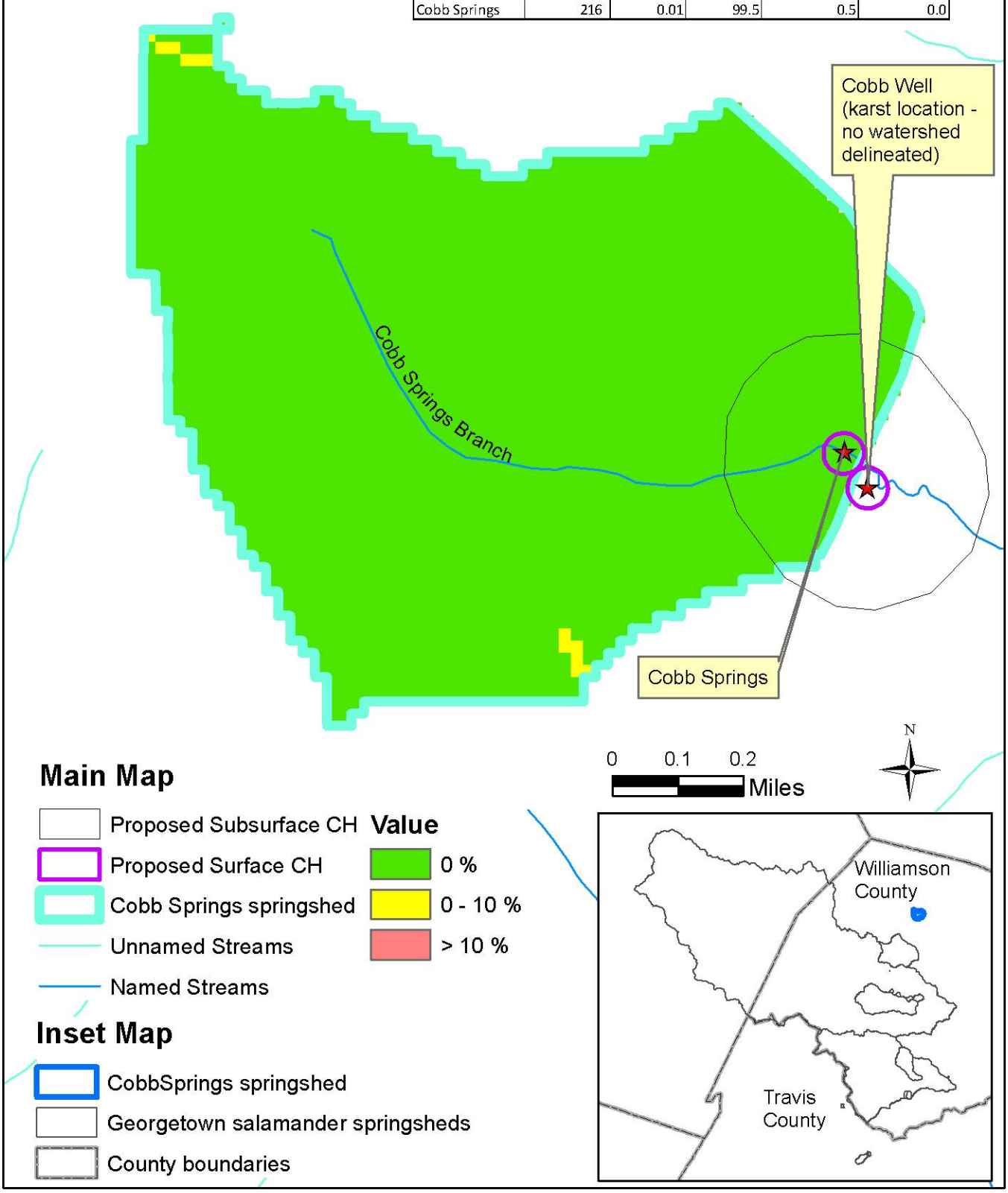
Inset Map

- Cedar Hollow Spring springshed
- Georgetown salamander springsheds
- County boundaries



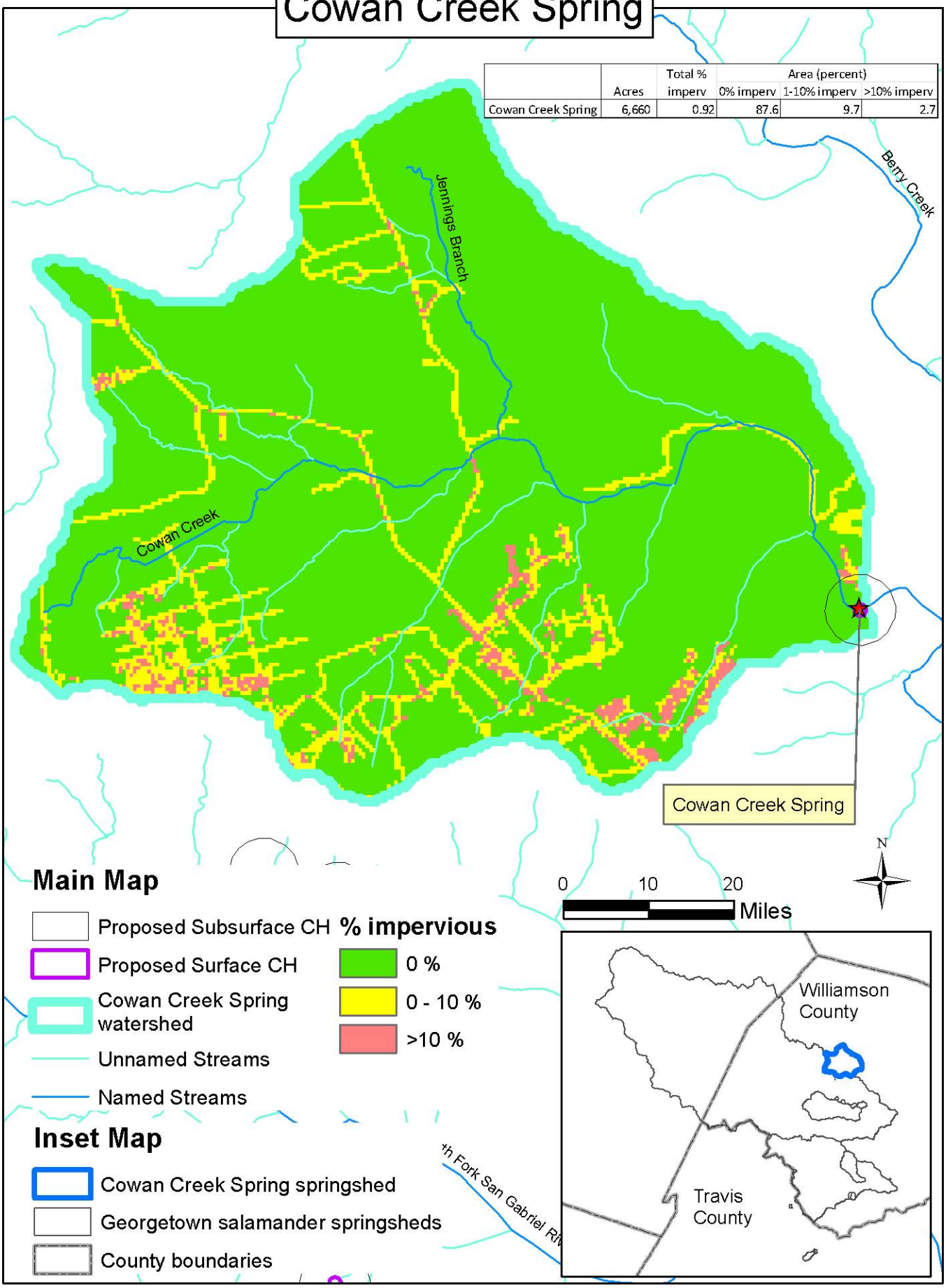
Cobb Springs and Cobb Well

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Cobb Springs	216	0.01	99.5	0.5	0.0

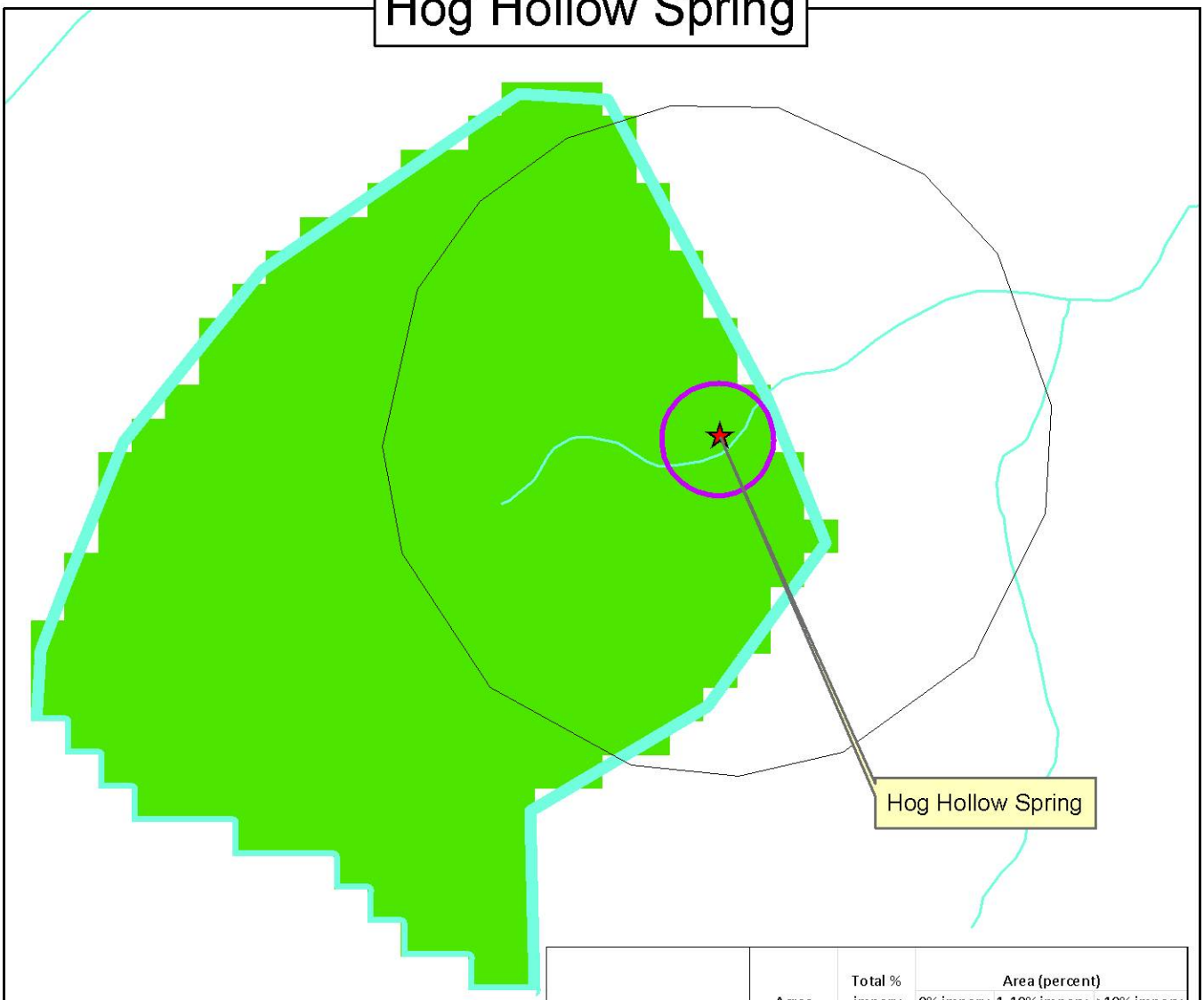


Cowan Creek Spring

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Cowan Creek Spring	6,660	0.92	87.6	9.7	2.7



Hog Hollow Spring



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Hog Hollow Spring	83	0.00	100.0	0.0	0.0

Main Map

- Proposed Subsurface CH
- Proposed Surface CH
- Unnamed Streams
- Named Streams
- Hog Hollow Spring watershed

% impervious

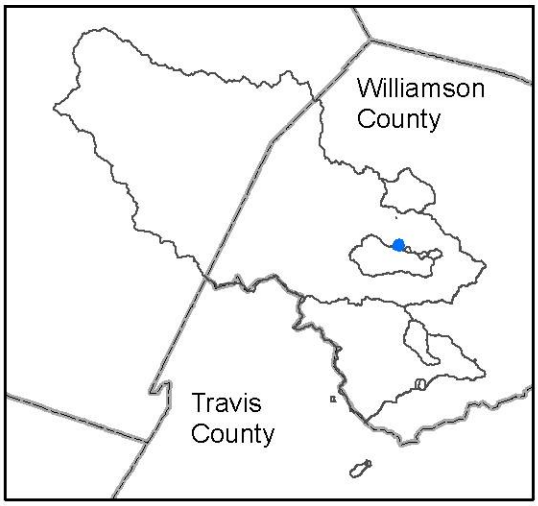
- 0 %
- 0 - 10 %
- >10 %

0 400 800 Feet

N

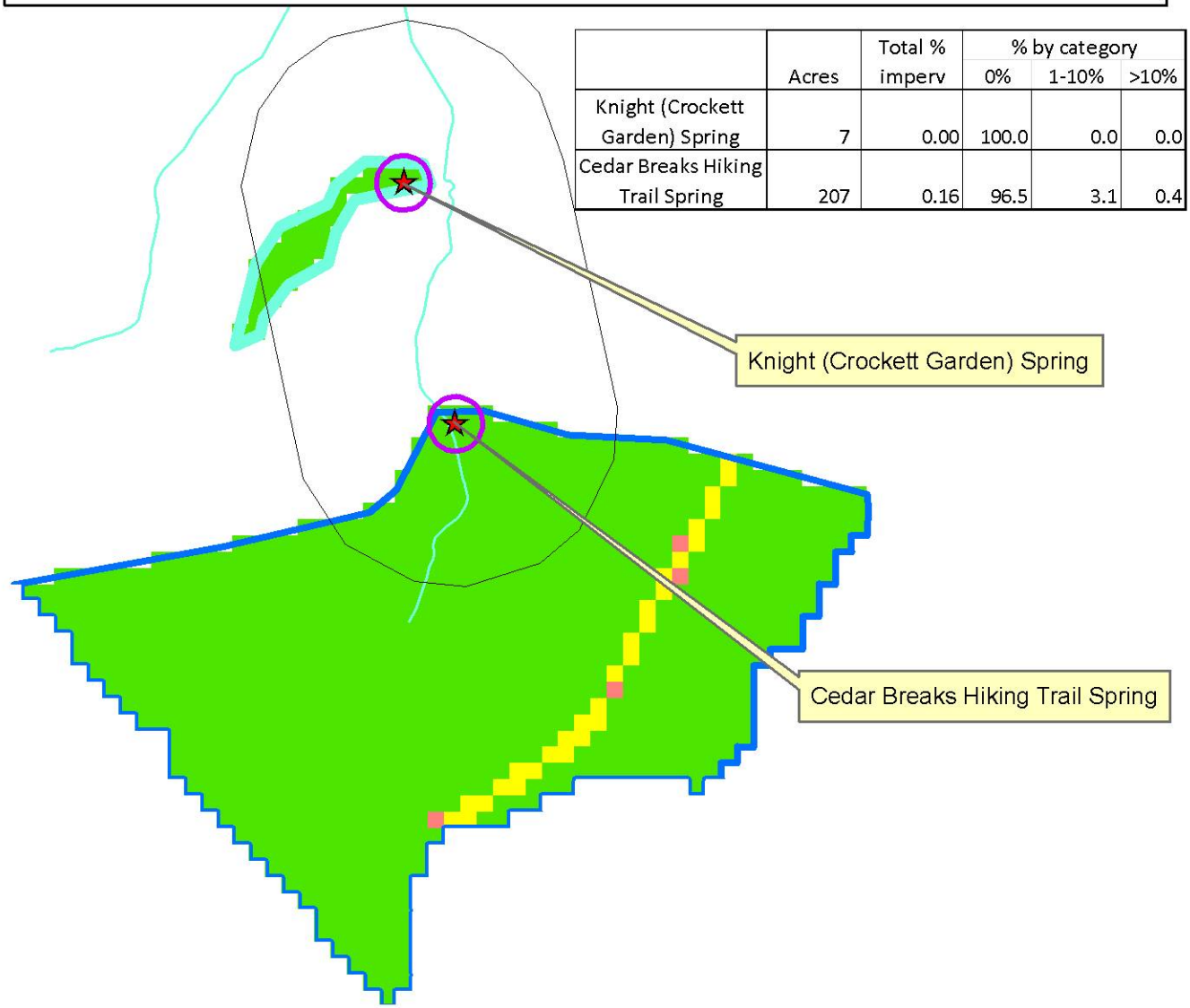
Inset Map

- Hog Hollow Spring springshed
- Georgetown salamander springsheds
- County boundaries



Knight (CrockettGarden) / Cedar Breaks Hiking Trail springs

	Acres	Total % imperv	% by category 0%	1-10%	>10%
Knight (Crockett Garden) Spring	7	0.00	100.0	0.0	0.0
Cedar Breaks Hiking Trail Spring	207	0.16	96.5	3.1	0.4



Main Map

- Proposed Subsurface CH
- Proposed Surface CH
- Cedar Breaks Hiking Trail Spring Watershed
- Knight (CrockettGarden) Spring watershed
- Unnamed Streams
- Named Streams

% impervious

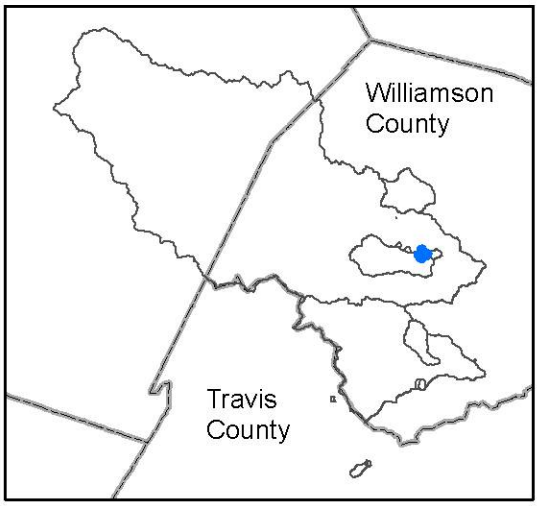
- 0 %
- 0 - 10 %
- >10 %

0 0.1 0.2 Miles

N

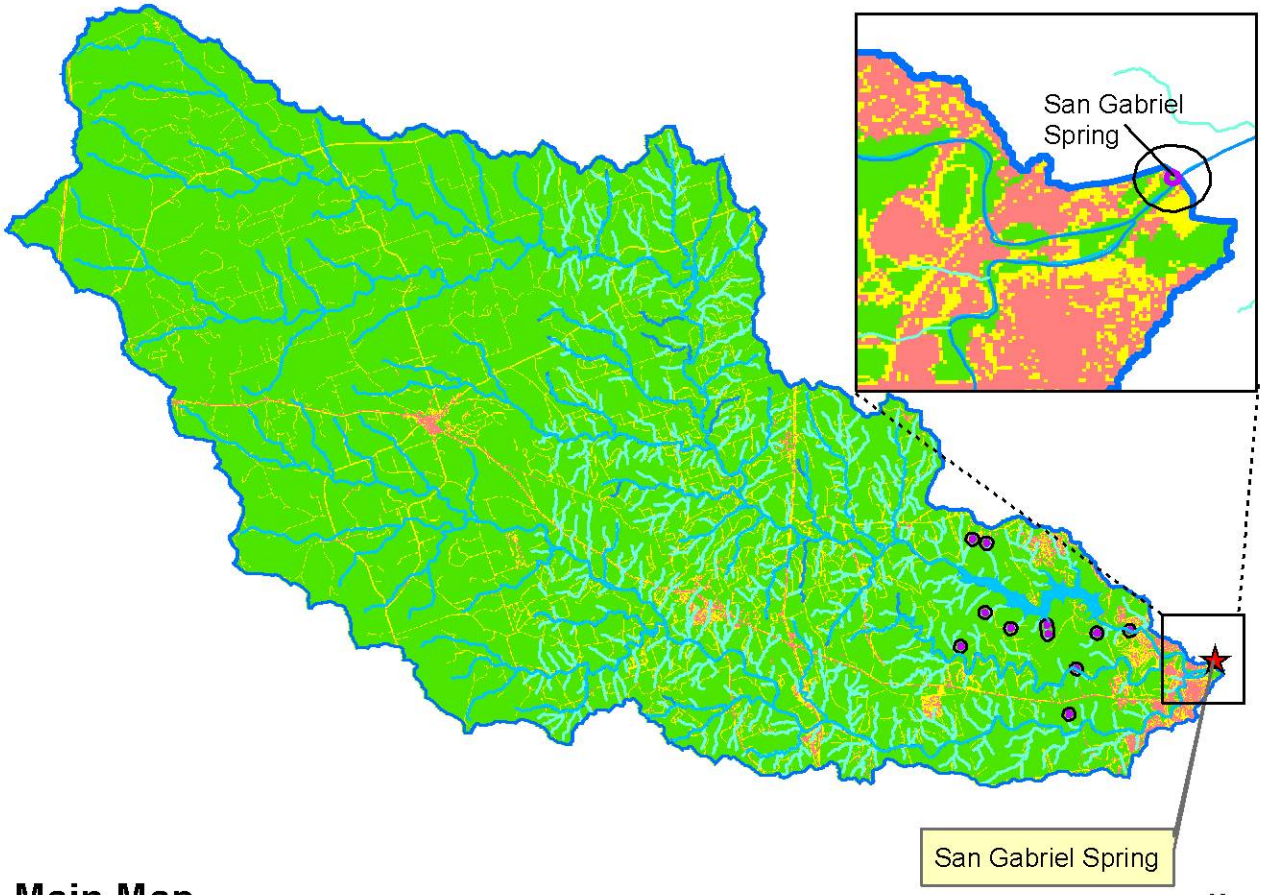
Inset Map

- Knight (Crockett Garden)/ Cedar Breaks Hiking Trail springs springsheds
- Georgetown salamander springsheds
- County boundaries



San Gabriel Spring

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
San Gabriel Spring	258,017	0.78	91.1	7.0	1.9



Main Map

- Waterbodies
- Rivers & Streams
- Proposed Subsurface CH
- Proposed Surface CH
- Unnamed Streams
- Named Streams

Value

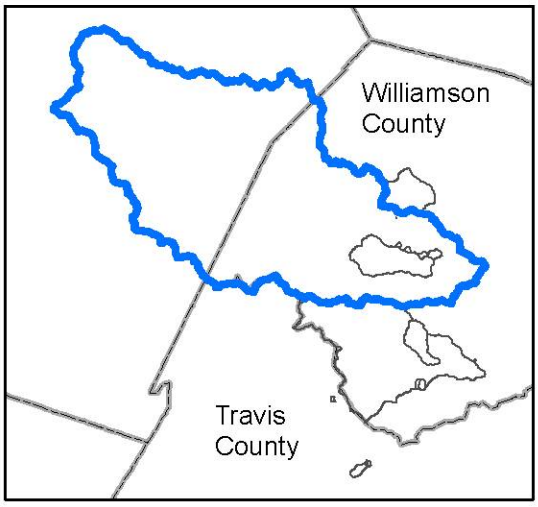
- 0 %
- 0 - 10 %
- > 10 %

0 4 8 Miles

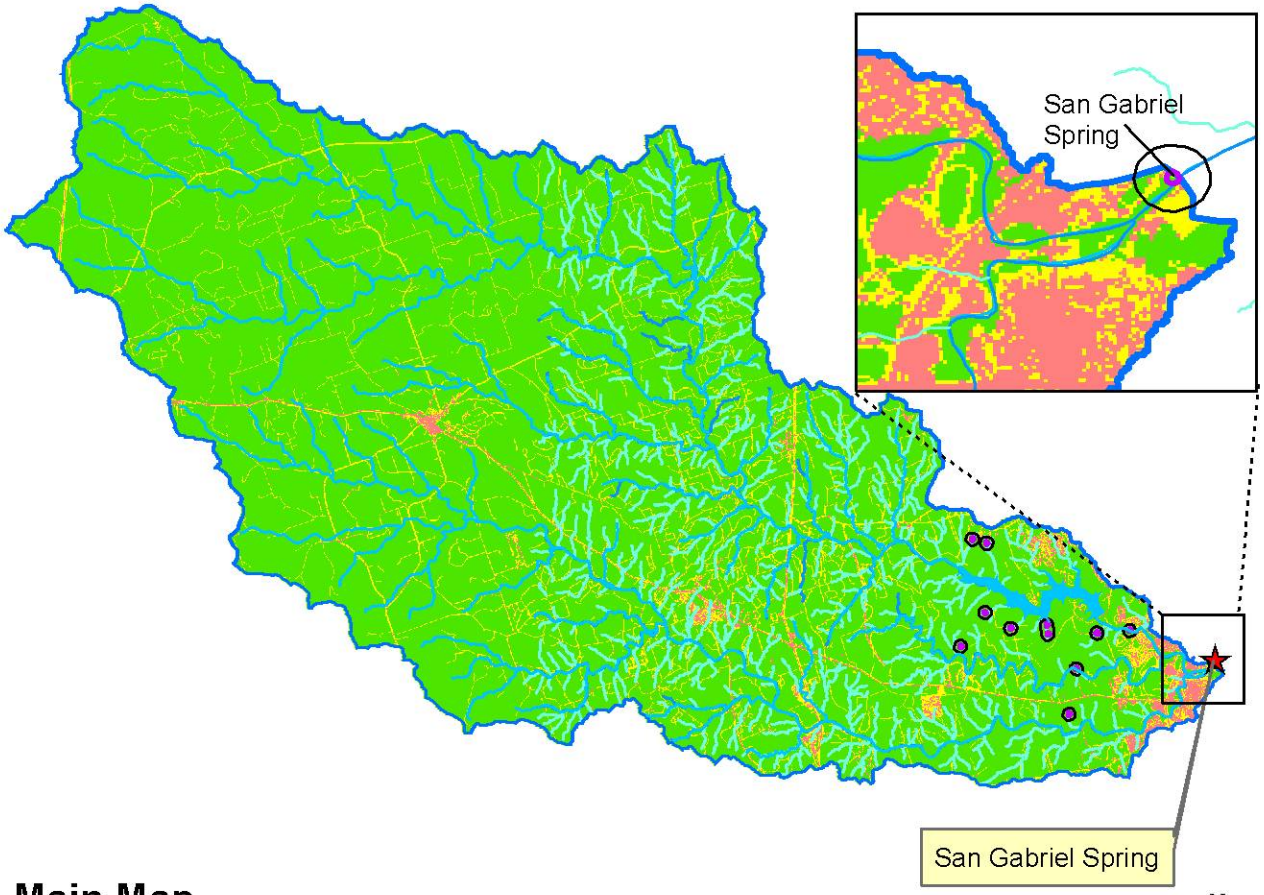
N

Inset Map

- San Gabriel Spring springshed
- Georgetown salamander springsheds
- County boundaries



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
San Gabriel Spring	258,017	0.78	91.1	7.0	1.9



Main Map

- Waterbodies
- Rivers & Streams
- Proposed Subsurface CH
- Proposed Surface CH
- Unnamed Streams
- Named Streams

Value

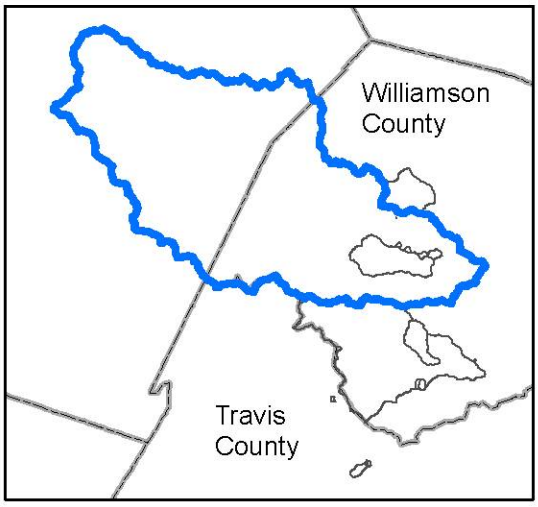
- 0 %
- 0 - 10 %
- > 10 %

0 4 8 Miles

N

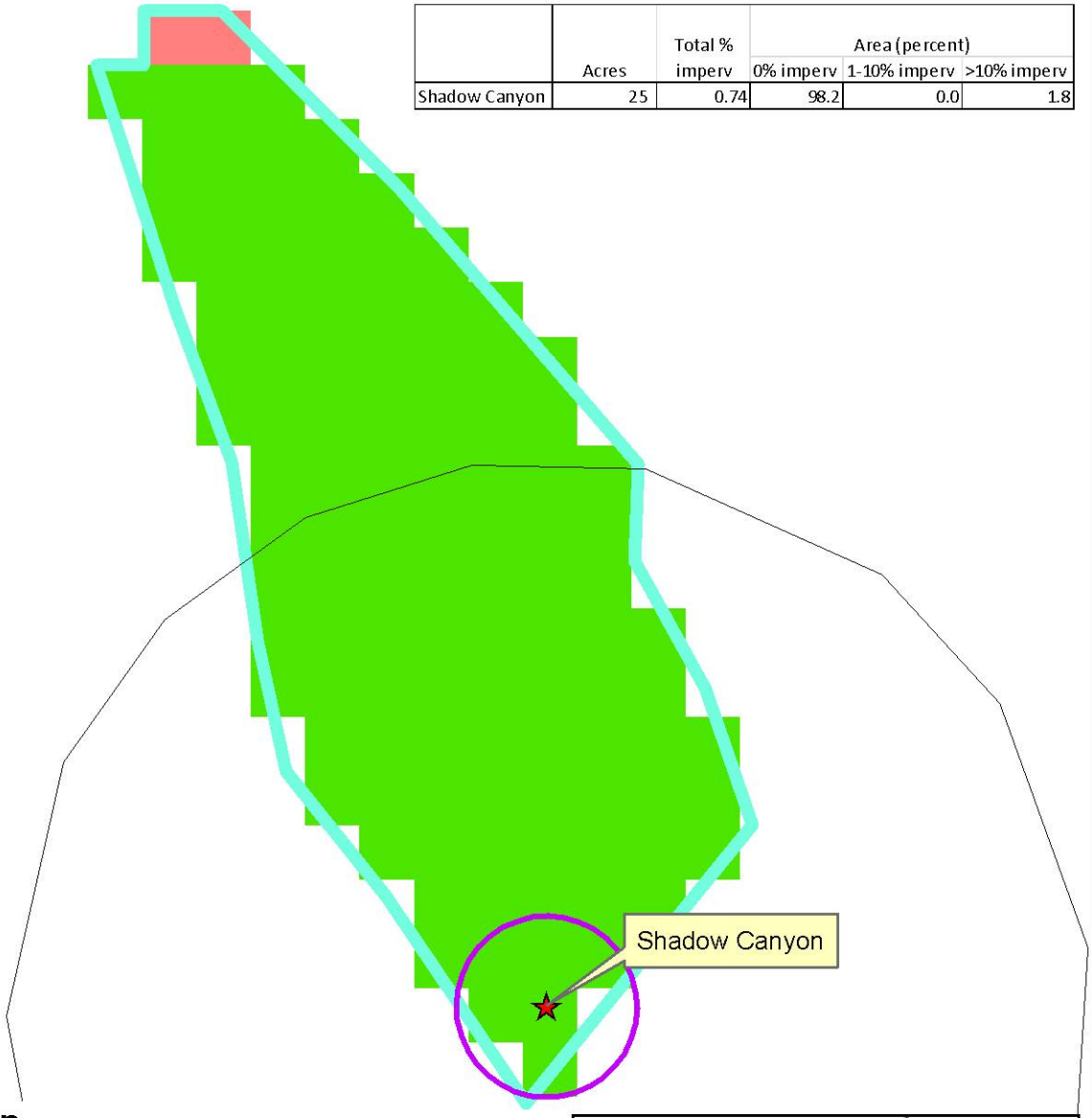
Inset Map

- San Gabriel Spring springshed
- Georgetown salamander springsheds
- County boundaries



Shadow Canyon

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Shadow Canyon	25	0.74	98.2	0.0	1.8



Main Map

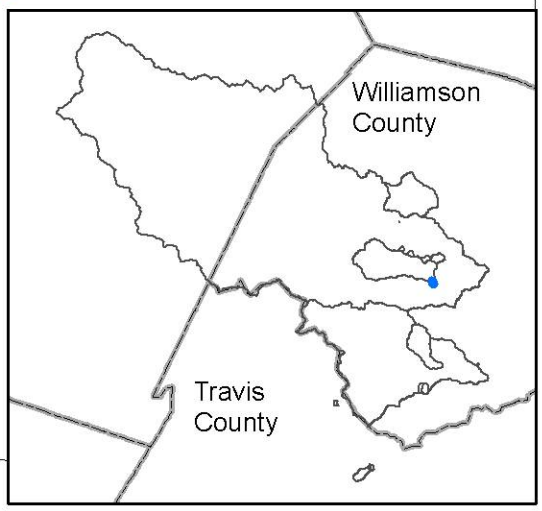
- Proposed Subsurface CH
- Proposed Surface CH
- Unnamed Streams
- Named Streams

Value

- 0 %
- 0 - 10 %
- >10 %

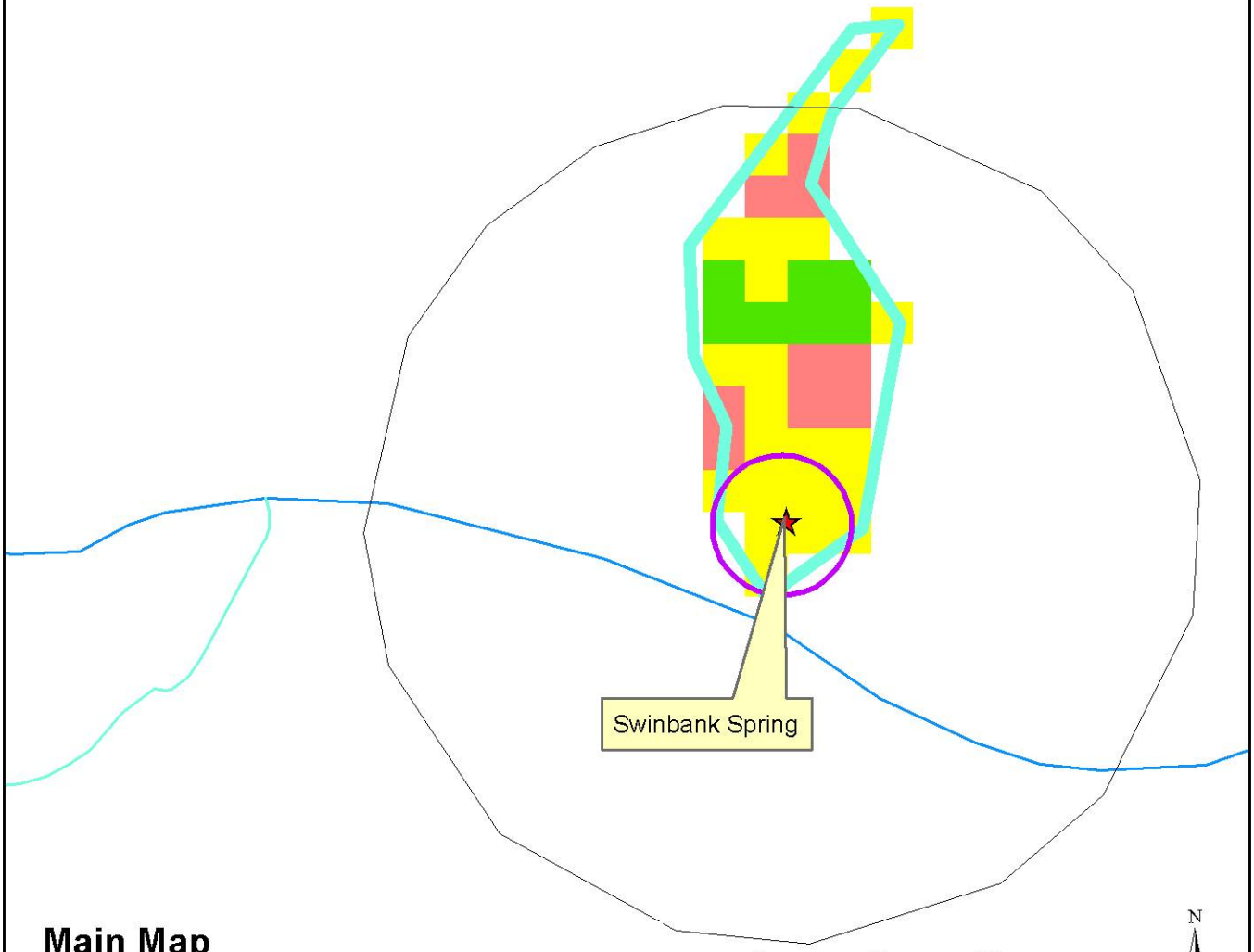
Inset Map

- Shadow Canyon springshed
- Georgetown salamander springsheds
- County boundaries



Swinbank Spring

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Swinbank Spring	9	6.90	17.9	59.0	23.1



Main Map

- Proposed Subsurface CH
- Proposed Surface CH
- Unnamed Streams
- Named Streams
- Swinbank Spring springshed

% impervious

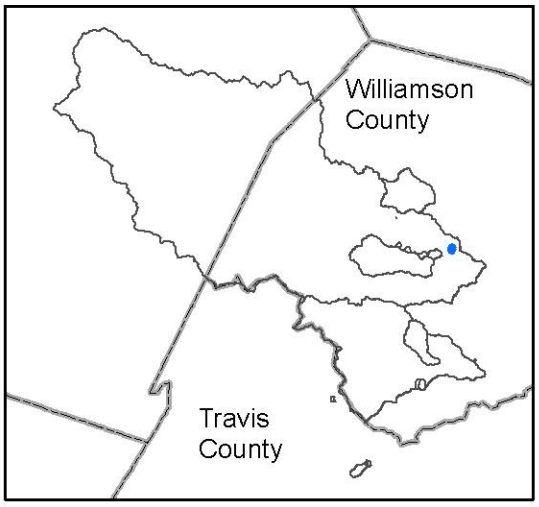
- 0 %
- 0 - 10 %
- >10 %

0 10 20 Miles

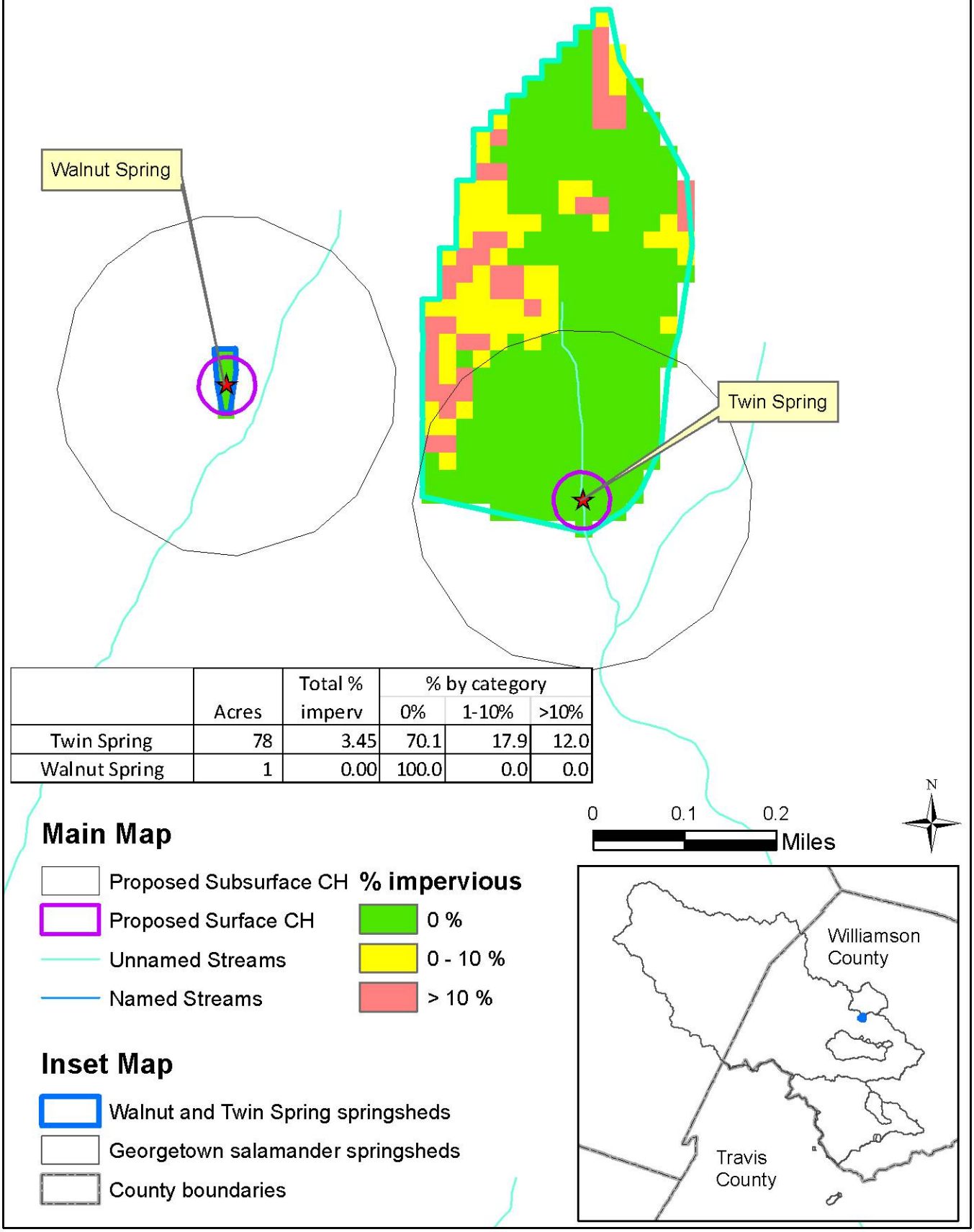
N

Inset Map

- Swinbank Spring springshed
- Georgetown salamander salamanders
- County boundaries



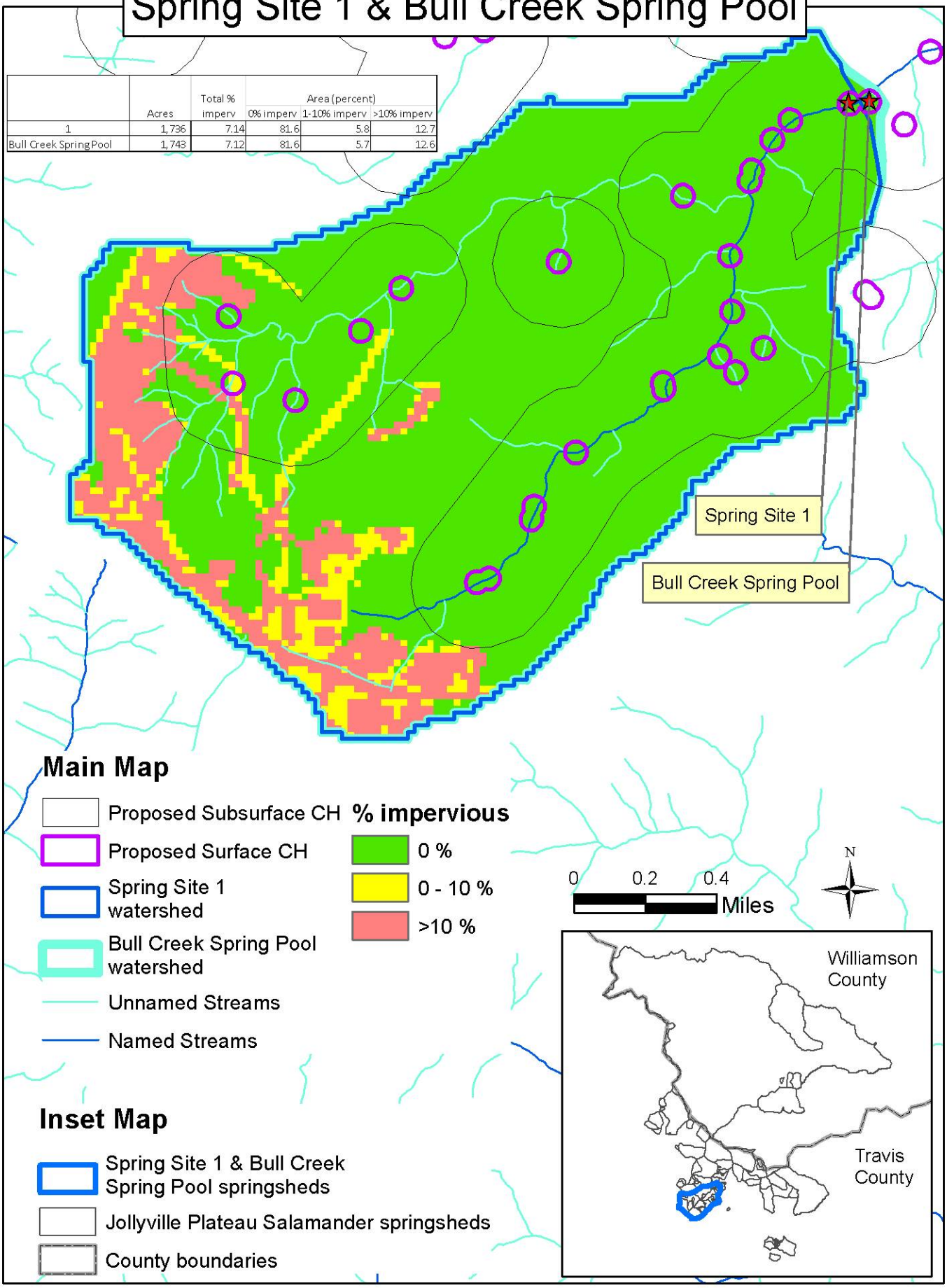
Walnut Spring and Twin Spring



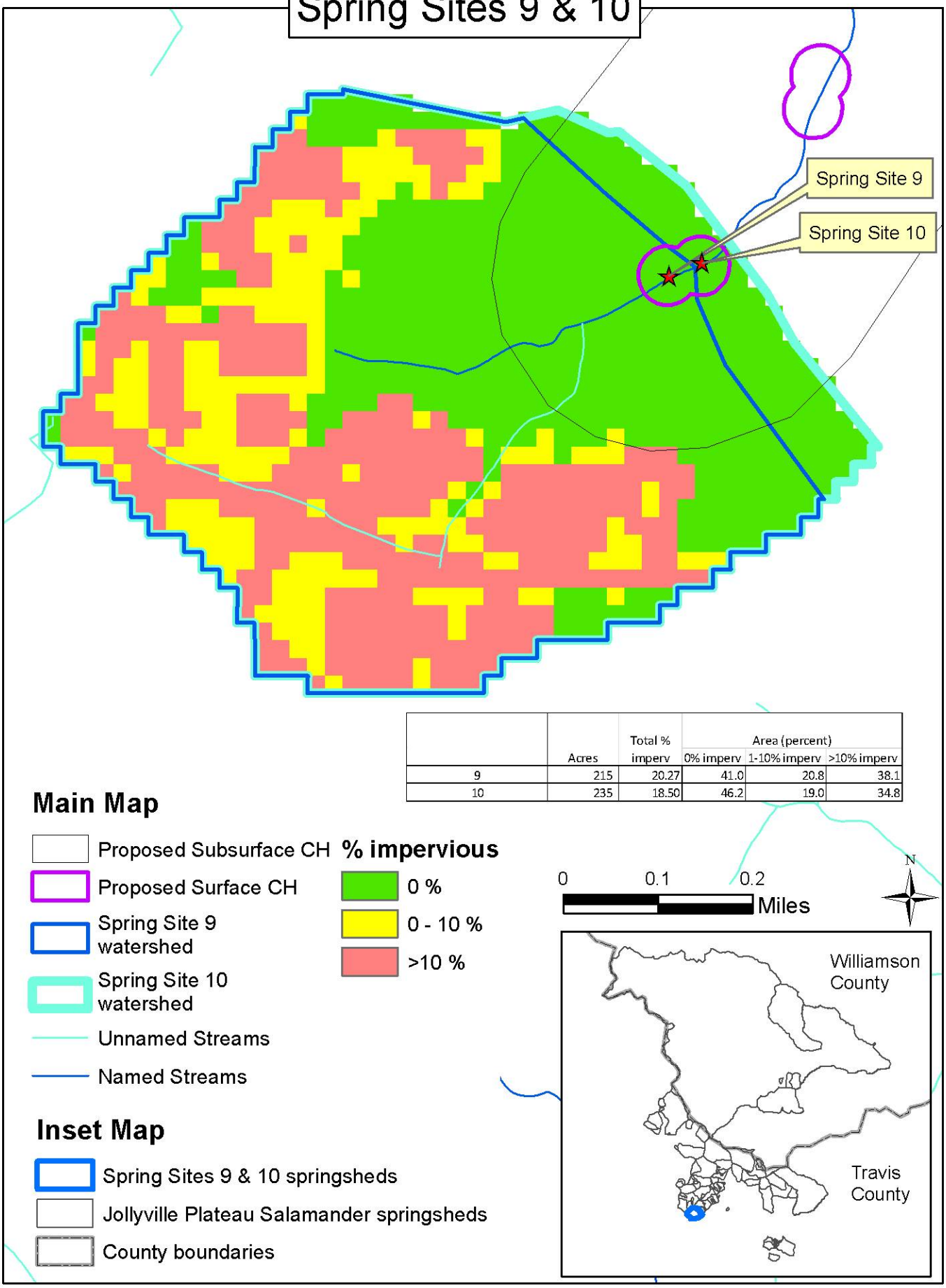
	Acres	Total % imperv	% by category		
			0%	1-10%	>10%
Twin Spring	78	3.45	70.1	17.9	12.0
Walnut Spring	1	0.00	100.0	0.0	0.0

Spring Site 1 & Bull Creek Spring Pool

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
1	1,736	7.14	81.6	5.8	12.7
Bull Creek Spring Pool	1,743	7.12	81.6	5.7	12.6

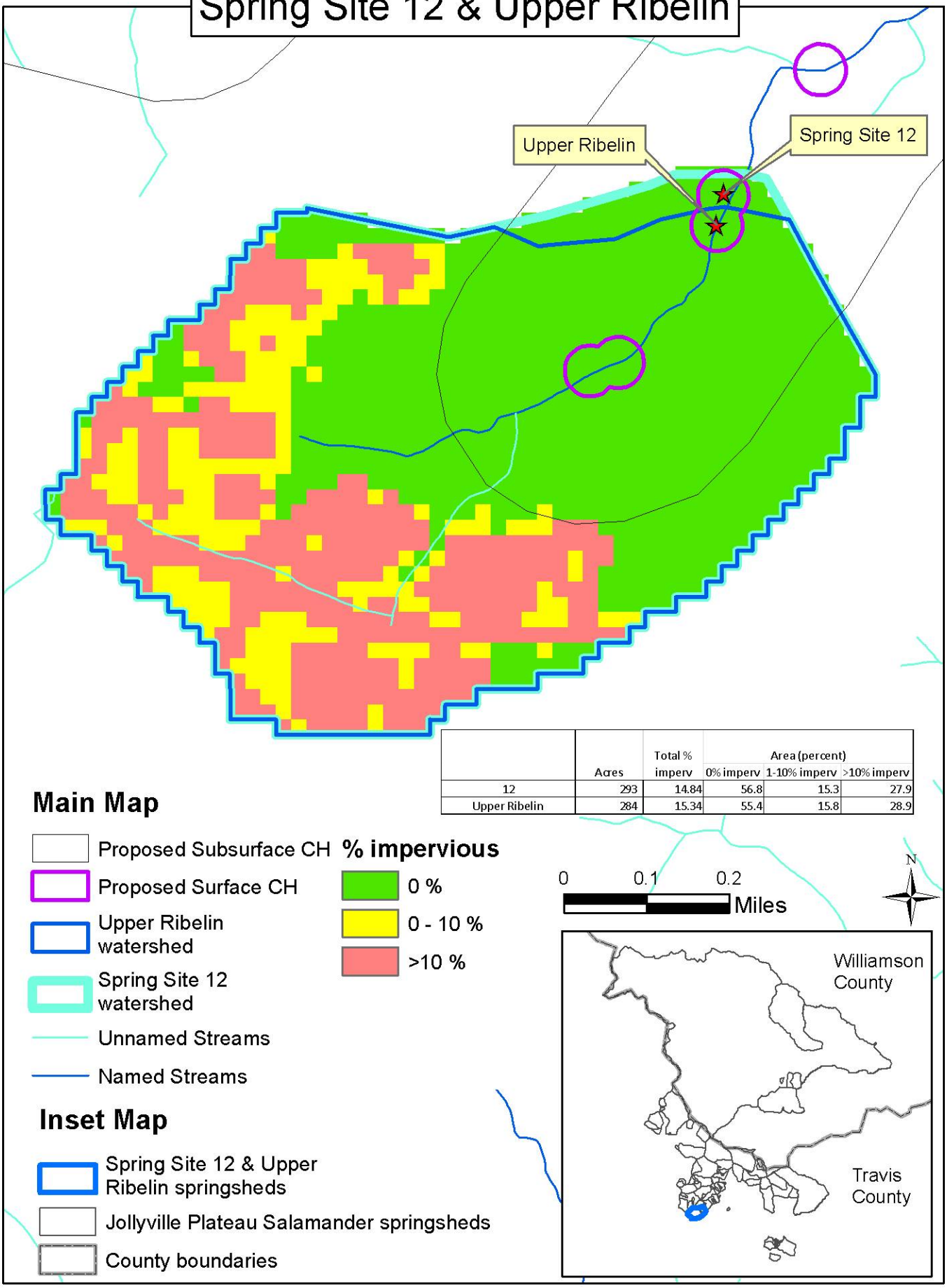


Spring Sites 9 & 10



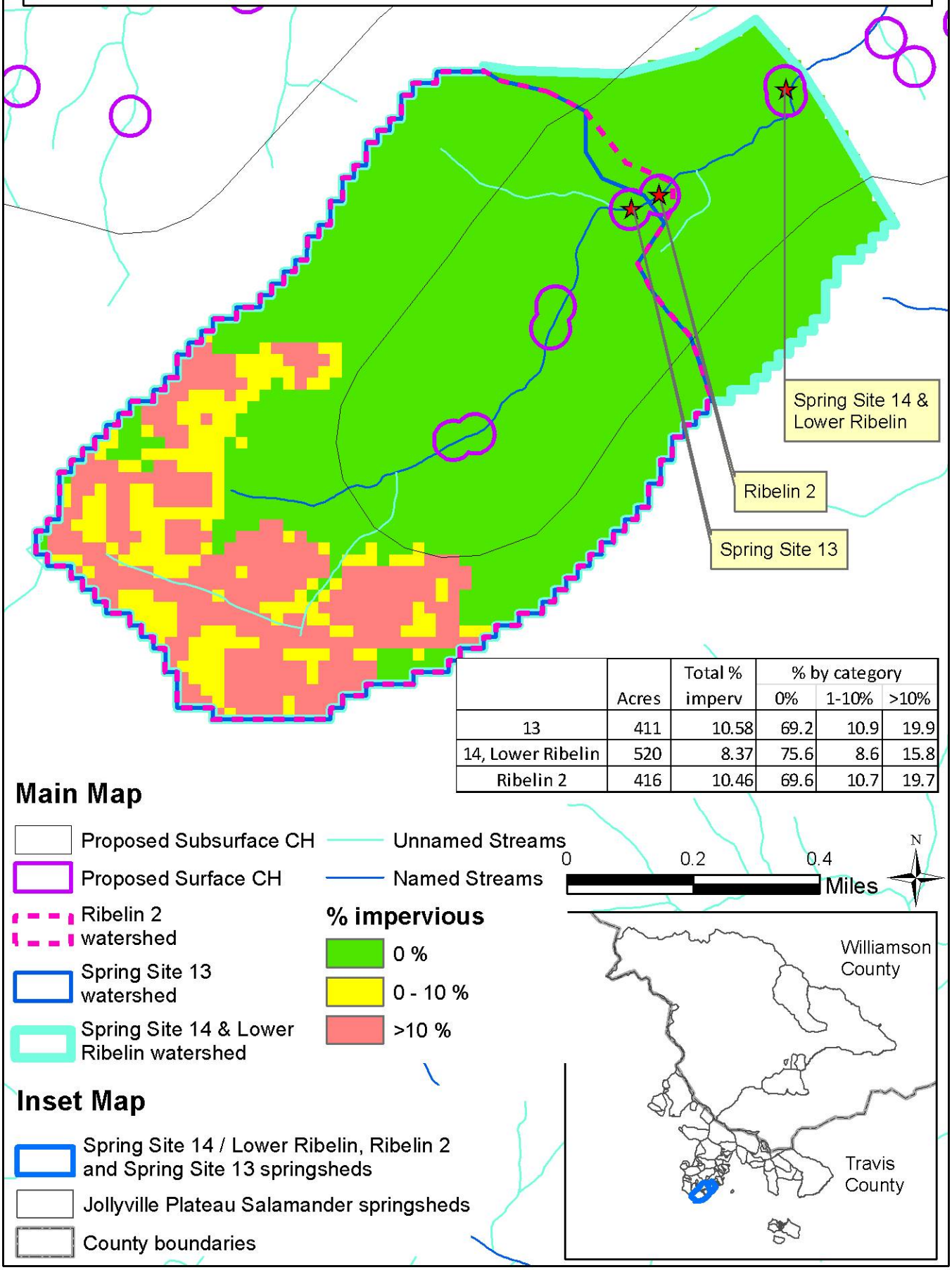
	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
9	215	20.27	41.0	20.8	38.1
10	235	18.50	46.2	19.0	34.8

Spring Site 12 & Upper Ribelin



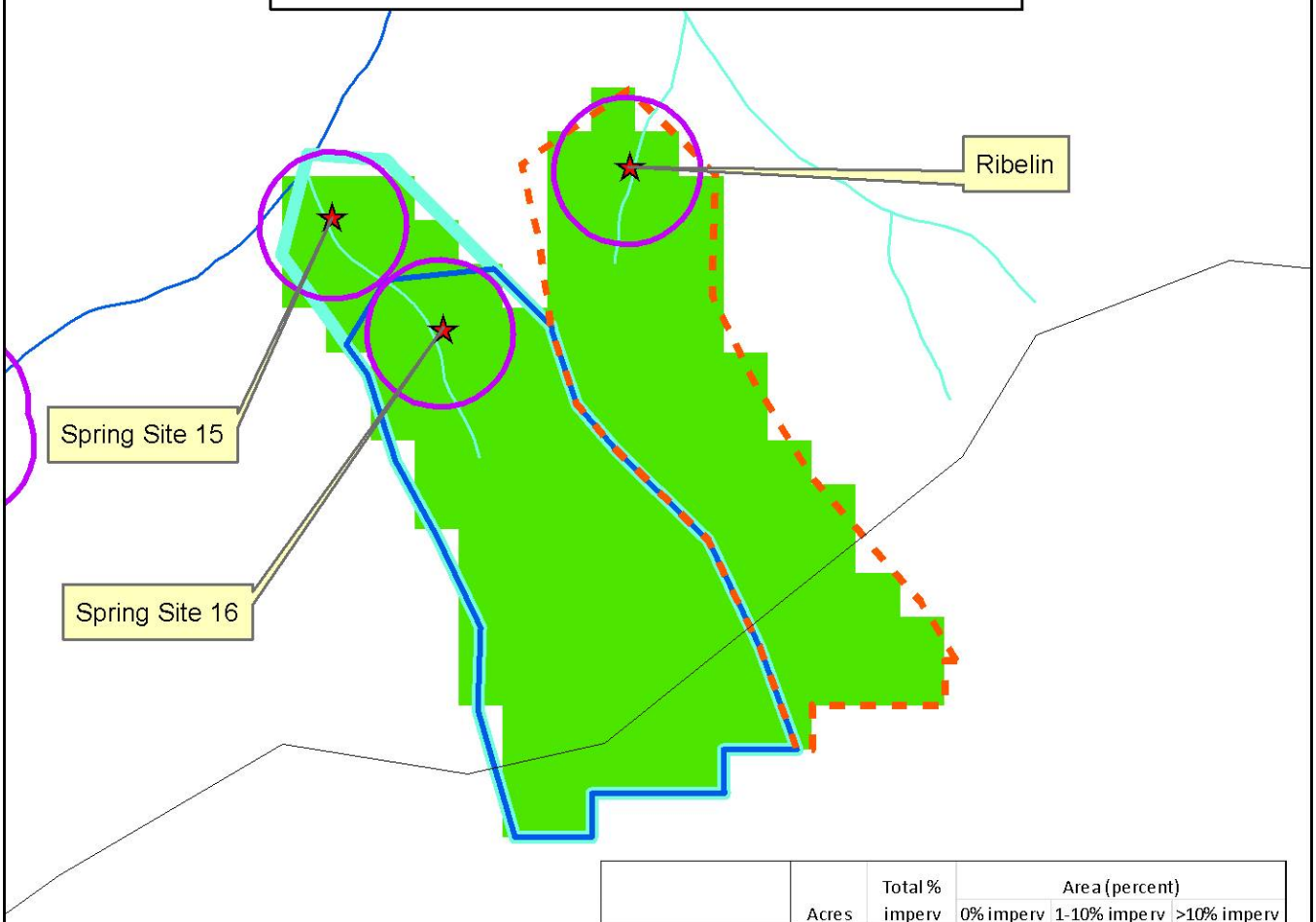
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
12	293	14.84	56.8	15.3	27.9
Upper Ribelin	284	15.34	55.4	15.8	28.9

Spring Site 13, Spring Site 14 / Lower Ribelin, and Ribelin 2



	Acres	Total % imperv	% by category		
			0%	1-10%	>10%
13	411	10.58	69.2	10.9	19.9
14, Lower Ribelin	520	8.37	75.6	8.6	15.8
Ribelin 2	416	10.46	69.6	10.7	19.7

Spring Sites 15 & 16 & Ribelin



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
15	17	0.00	100.0	0.0	0.0
16	15	0.00	100.0	0.0	0.0
Ribelin	12	0.00	100.0	0.0	0.0

Main Map

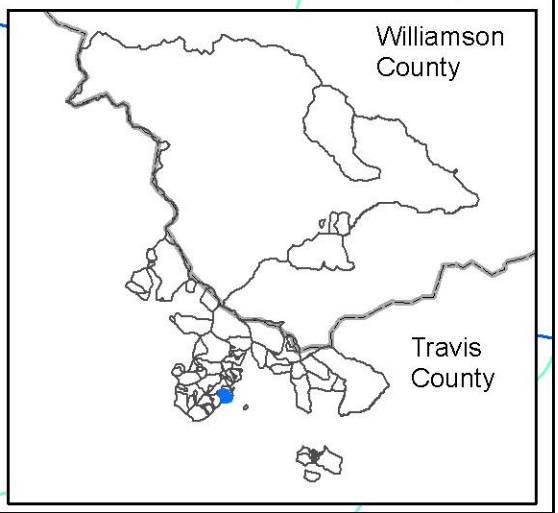
- Proposed Subsurface CH
- Proposed Surface CH
- Ribelin watershed
- Spring Site 16 watershed
- Spring Site 15 watershed
- Unnamed Streams
- Named Streams

% impervious

- 0 %
- 0 - 10 %
- >10 %

0 0.05 0.1 Miles

N

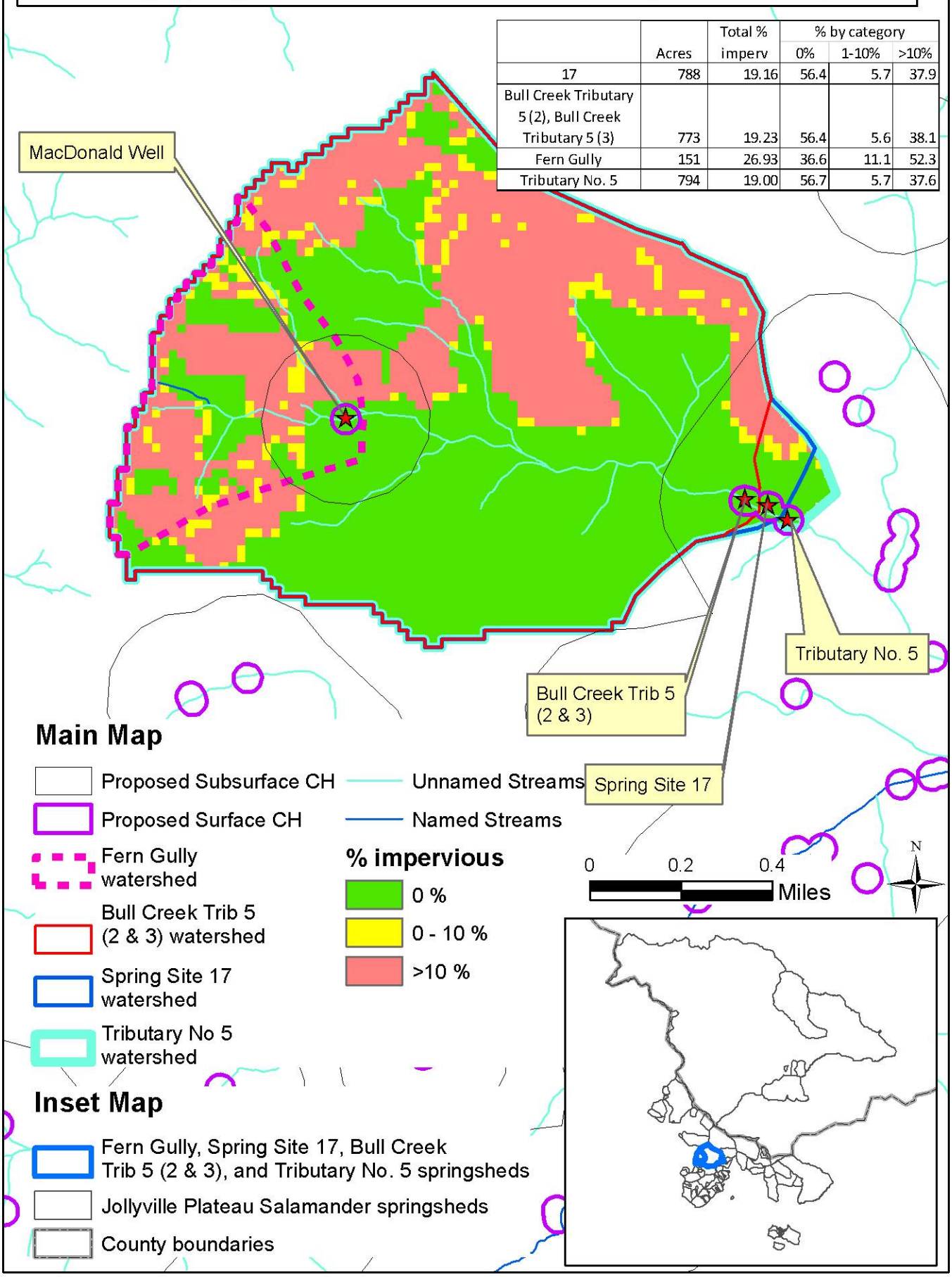


Inset Map

- Spring Sites 15 & 16 and Ribelin springsheds
- Jollyville Plateau Salamander springsheds
- County boundaries

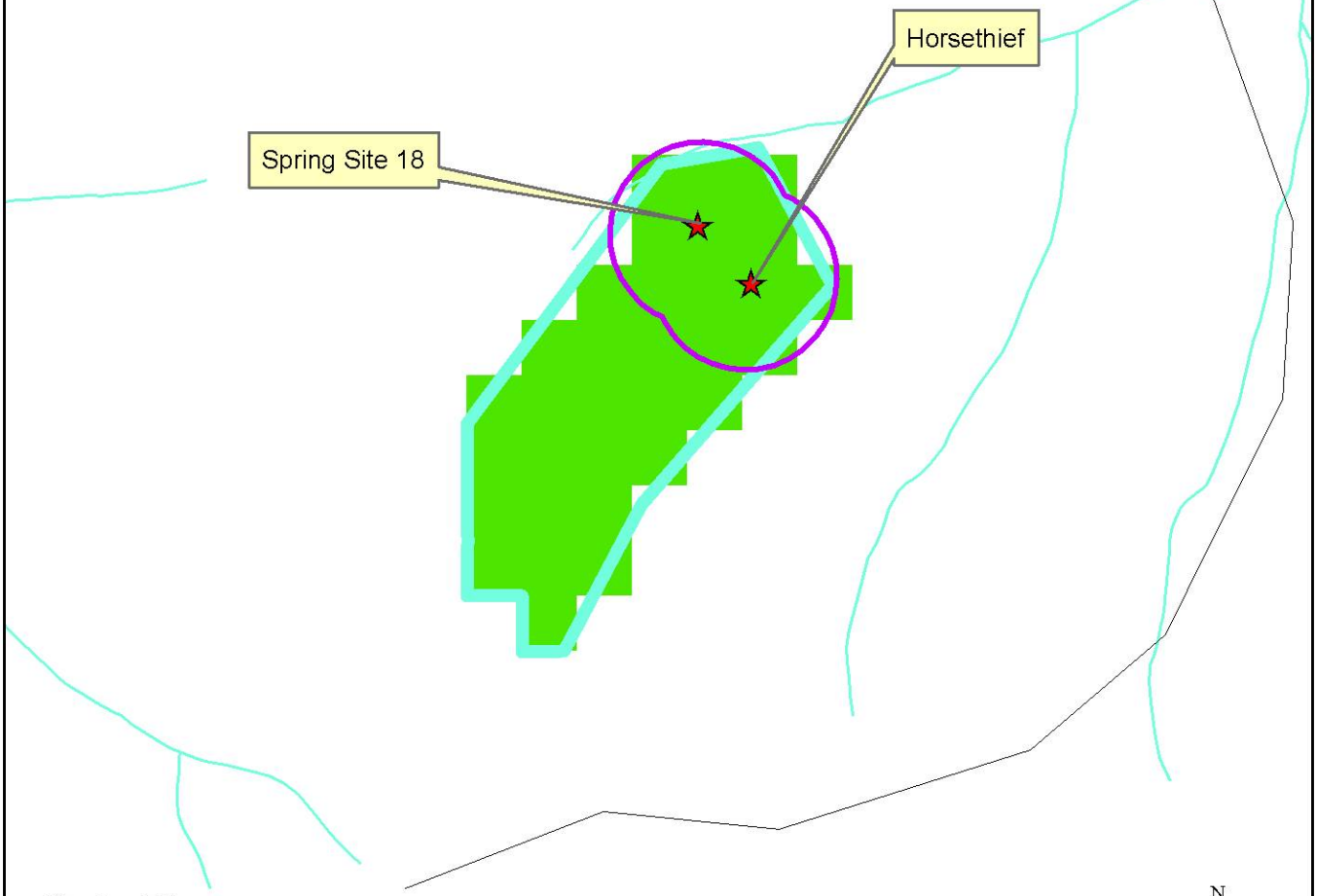
Fern Gully, Spring Site 17, Bull Creek Trib 5 (2 & 3) and Tributary No. 5

	Acres	Total % imperv	% by category		
			0%	1-10%	>10%
17	788	19.16	56.4	5.7	37.9
Bull Creek Tributary 5 (2), Bull Creek Tributary 5 (3)	773	19.23	56.4	5.6	38.1
Fern Gully	151	26.93	36.6	11.1	52.3
Tributary No. 5	794	19.00	56.7	5.7	37.6



Spring Site 18 & Horsethief

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Horsethief, 18	7	0.00	100.0	0.0	0.0



Main Map

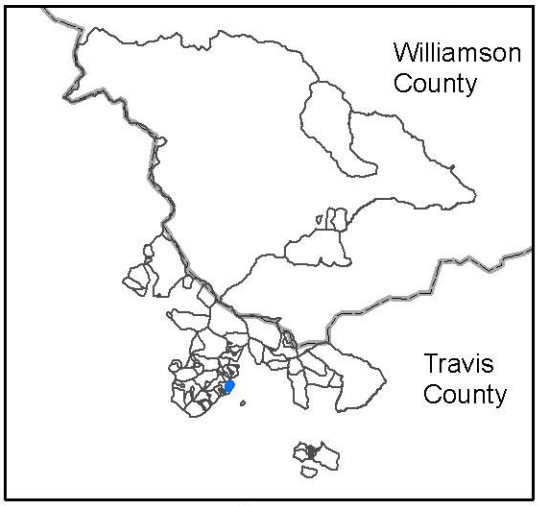
- Proposed Subsurface CH
- Proposed Surface CH
- Spring Site 18 & Horsethief watersheds
- Unnamed Streams
- Named Streams

% impervious

- 0 %
- 0 - 10 %
- >10 %

0 0.05 0.1 Miles

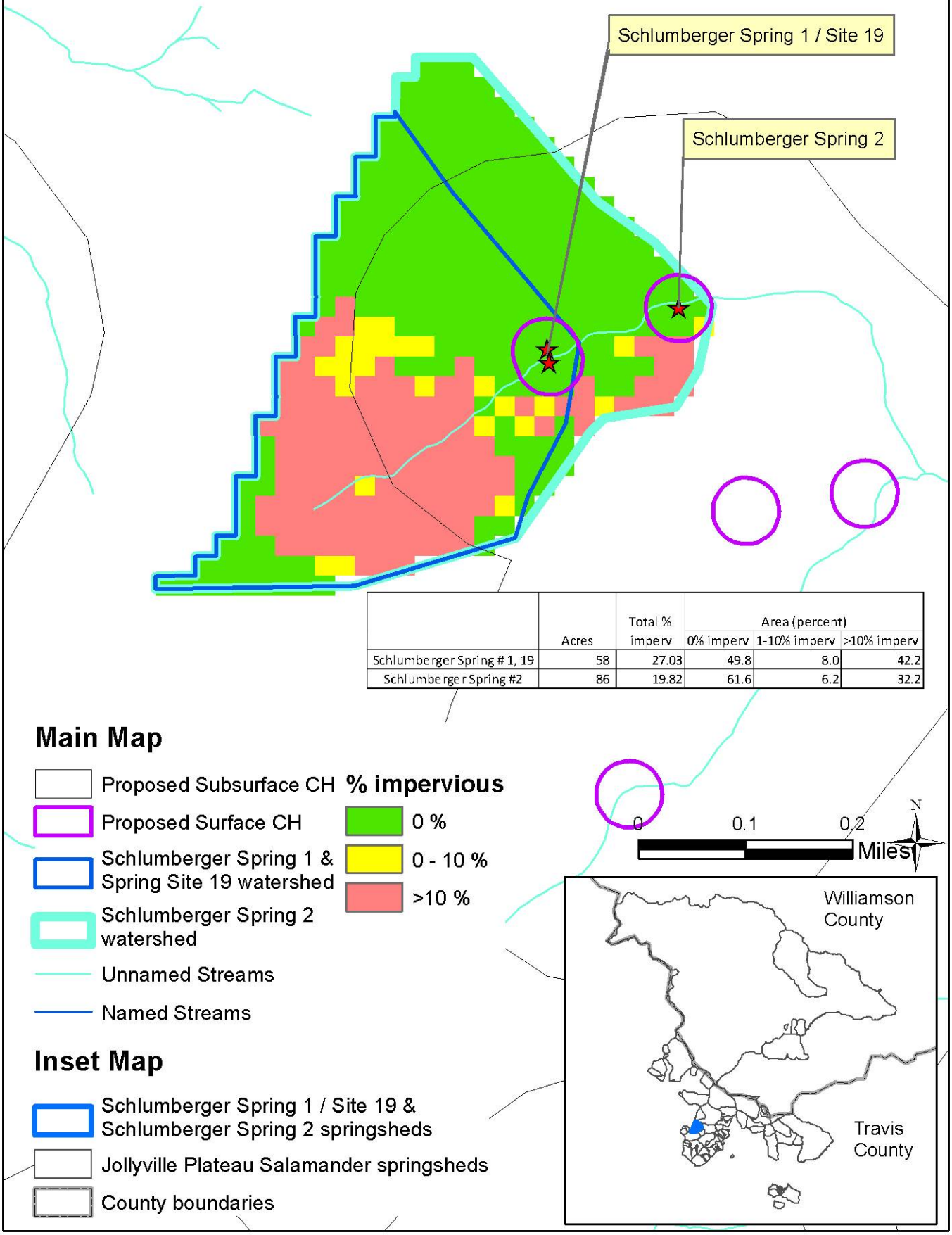
N



Inset Map

- Spring Site 18 / Horsethief springshed
- Jollyville Plateau Salamander springsheds
- County boundaries

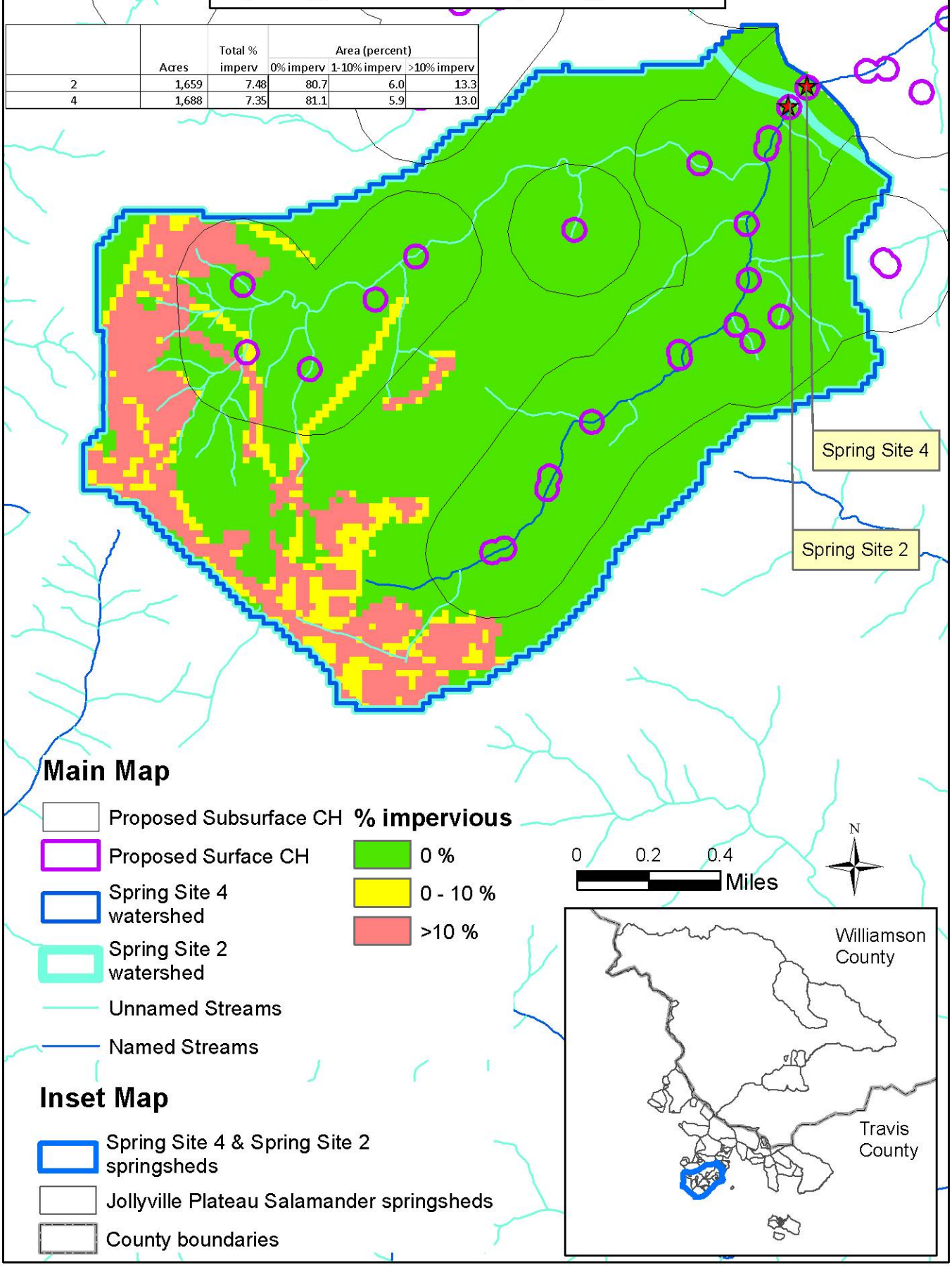
Schlumberger Spring 1 / Site 19 and Schlumberger Spring 2



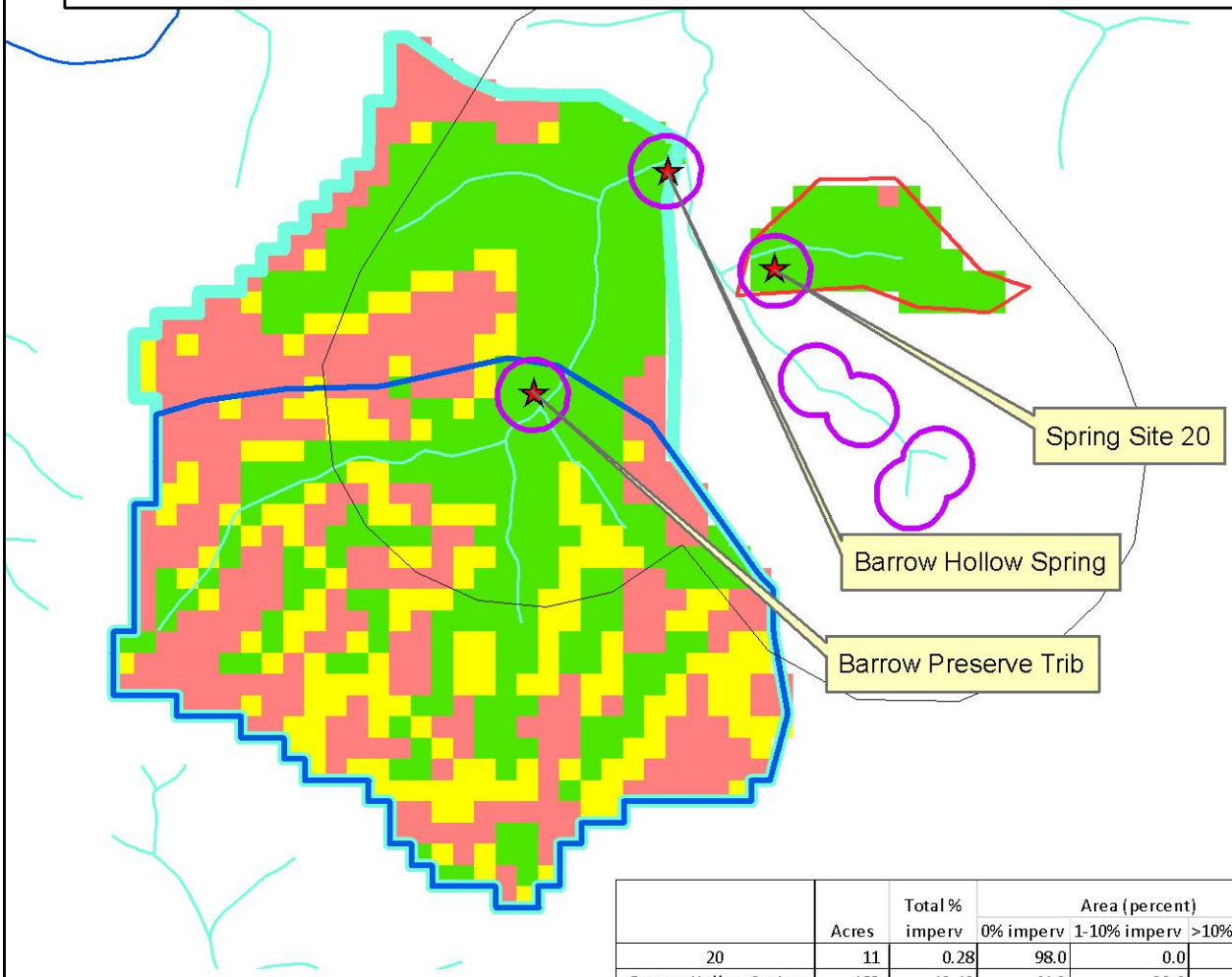
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Schlumberger Spring # 1, 19	58	27.03	49.8	8.0	42.2
Schlumberger Spring #2	86	19.82	61.6	6.2	32.2

Spring Site 2 & Spring Site 4

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
2	1,659	7.48	80.7	6.0	13.3
4	1,688	7.35	81.1	5.9	13.0



Spring Site 20, Barrow Preserve, Barrow Hollow Spring



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
20	11	0.28	98.0	0.0	2.0
Barrow Hollow Spring	183	12.19	41.2	22.0	36.8
Barrow Preserve Trib	124	10.76	34.8	28.1	37.1

Main Map

- Proposed Subsurface CH
- Proposed Surface CH
- Spring Site 20 watershed
- Barrow Preserve watershed
- Barrow Hollow Spring watershed
- Unnamed Streams
- Named Streams

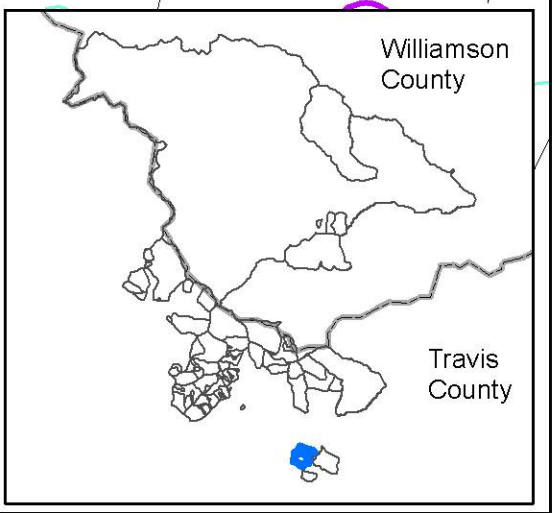
% impervious

- 0 %
- 0 - 10 %
- >10 %

0 0.1 0.2 Miles

N

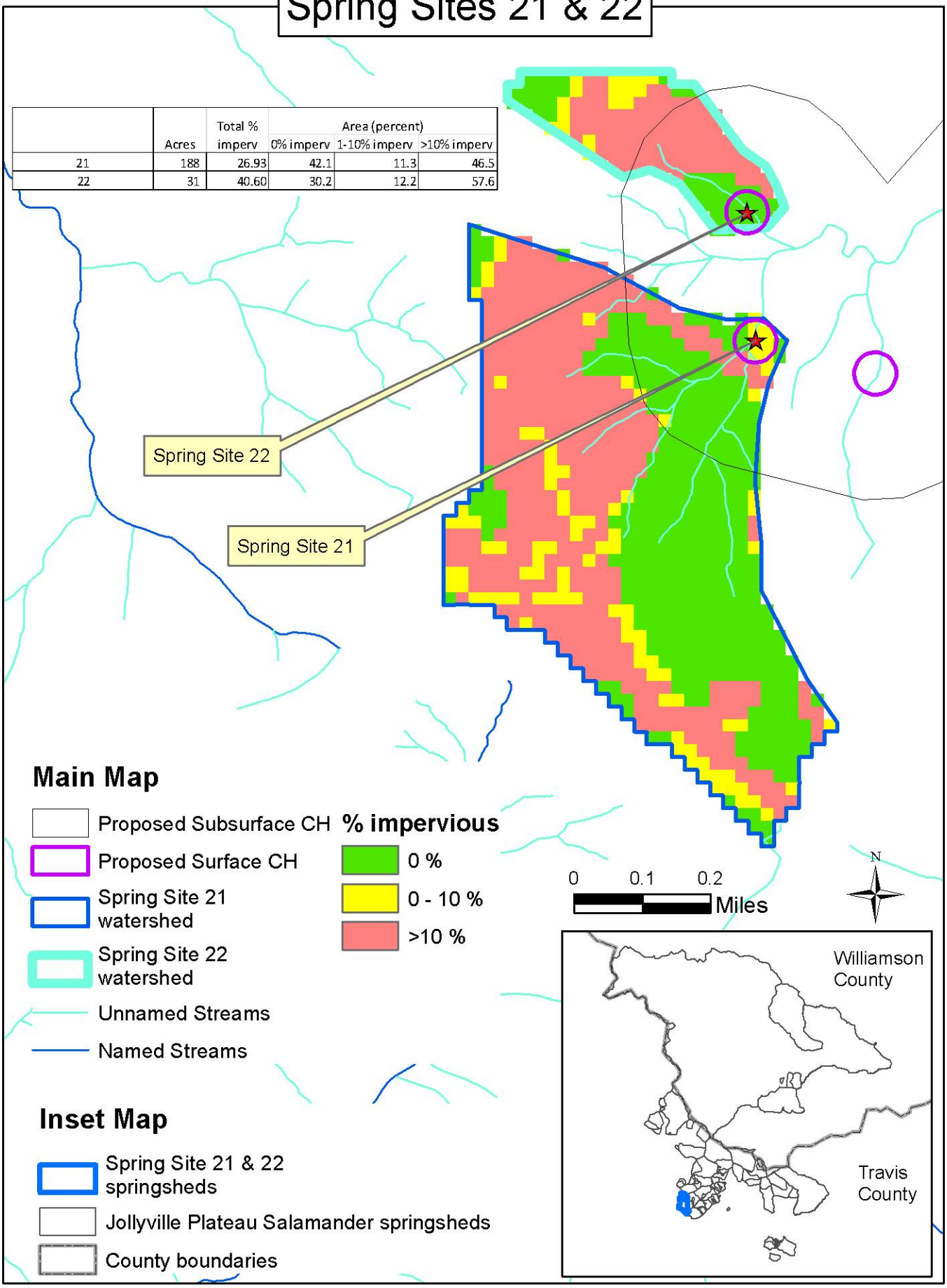
Inset Map



- Spring Site 20, Barrow Preserve, Barrow Hollow Spring springsheds
- Jollyville Plateau Salamander springsheds
- County boundaries

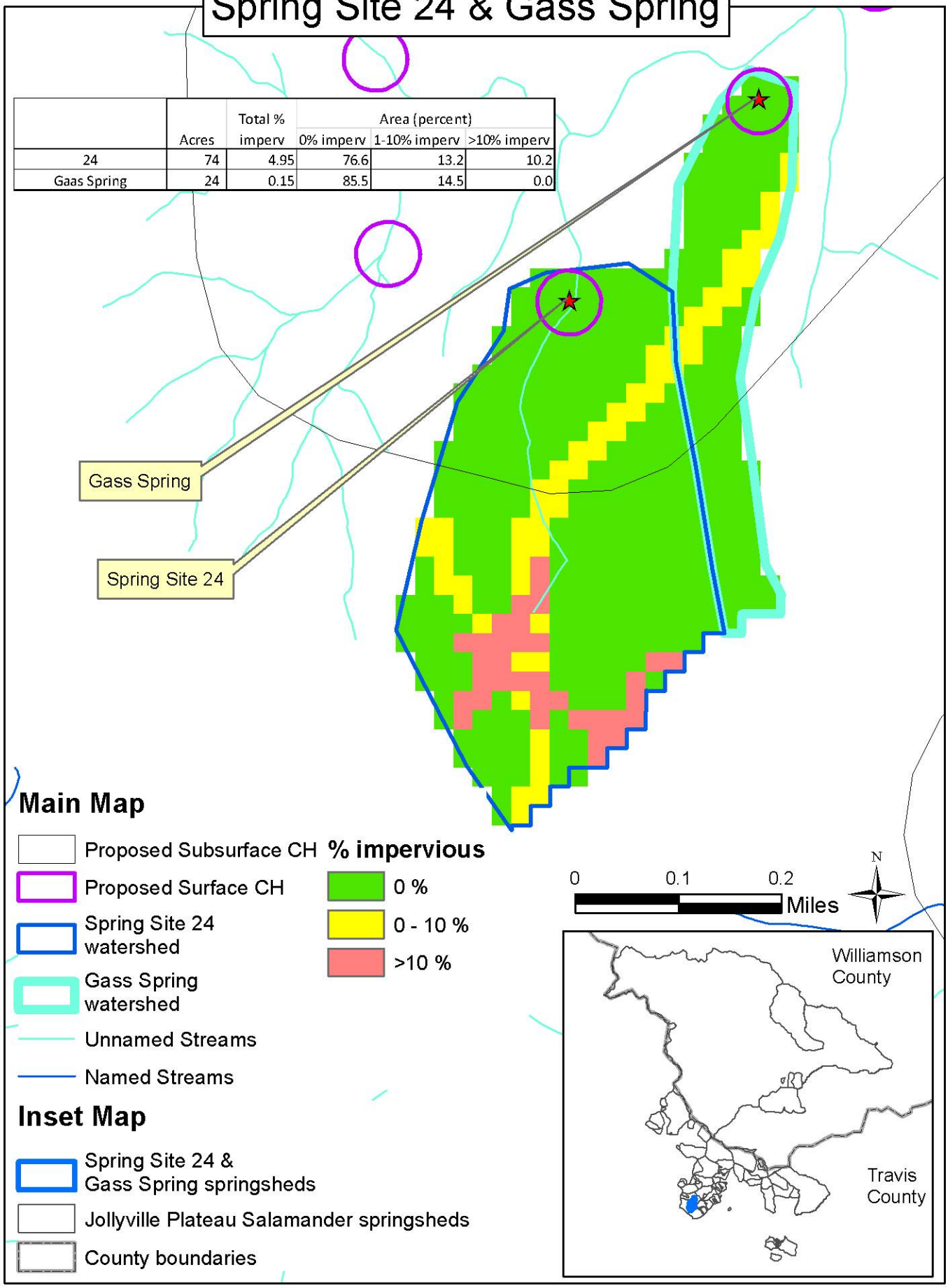
Spring Sites 21 & 22

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
21	188	26.93	42.1	11.3	46.5
22	31	40.60	30.2	12.2	57.6

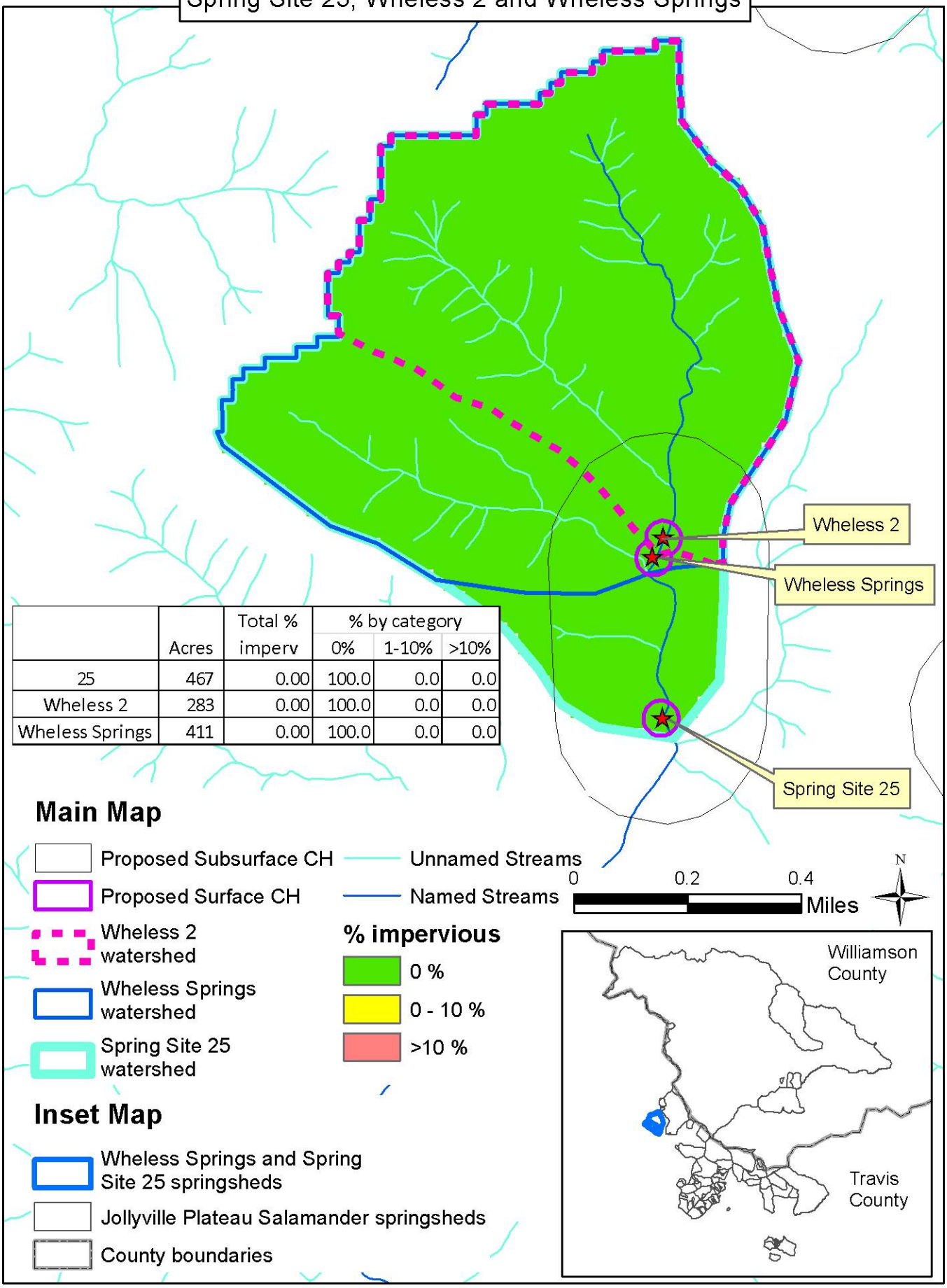


Spring Site 24 & Gass Spring

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
24	74	4.95	76.6	13.2	10.2
Gaas Spring	24	0.15	85.5	14.5	0.0



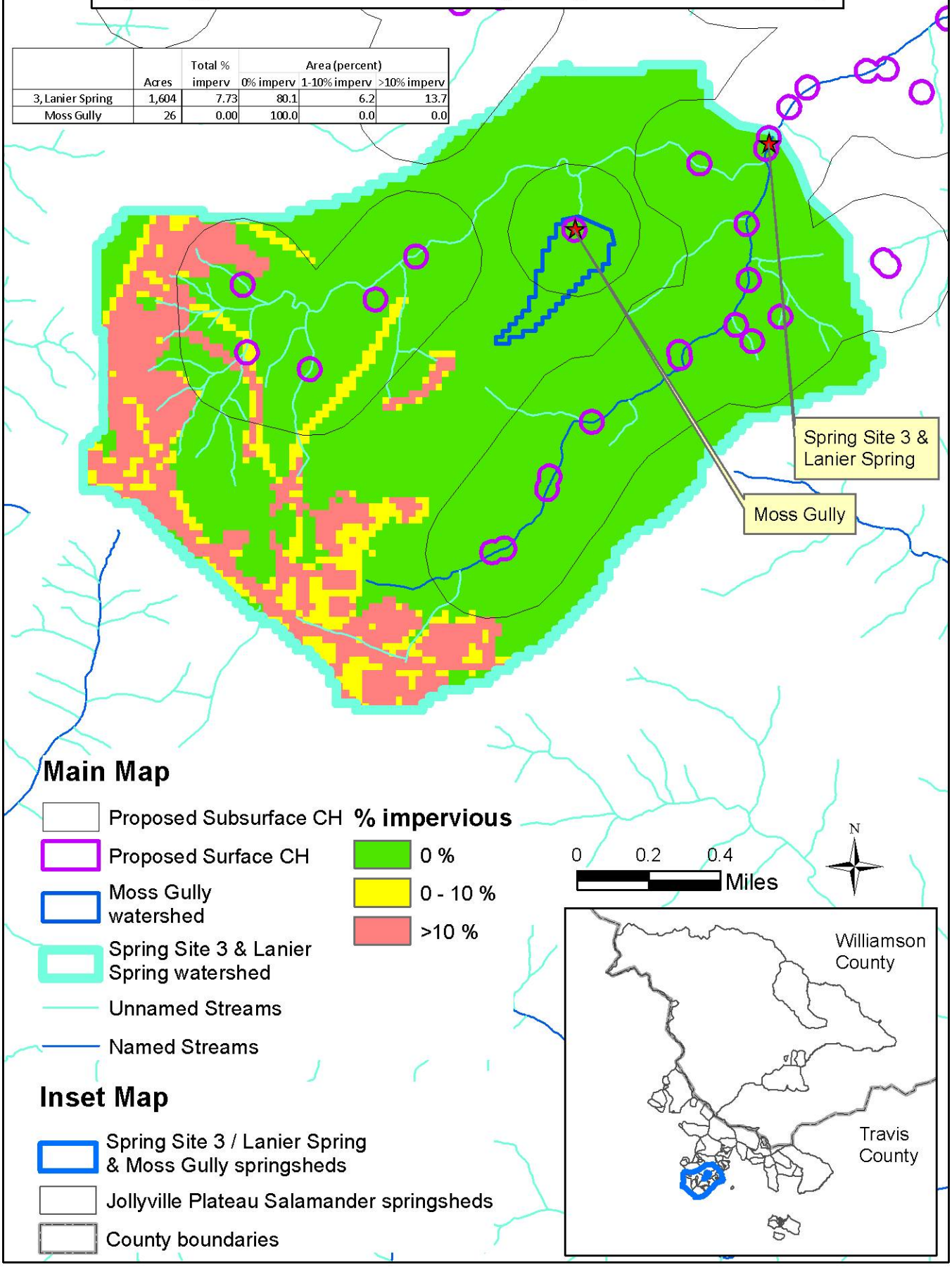
Spring Site 25, Wheless 2 and Wheless Springs



	Acres	Total % imperv	% by category		
			0%	1-10%	>10%
25	467	0.00	100.0	0.0	0.0
Wheless 2	283	0.00	100.0	0.0	0.0
Wheless Springs	411	0.00	100.0	0.0	0.0

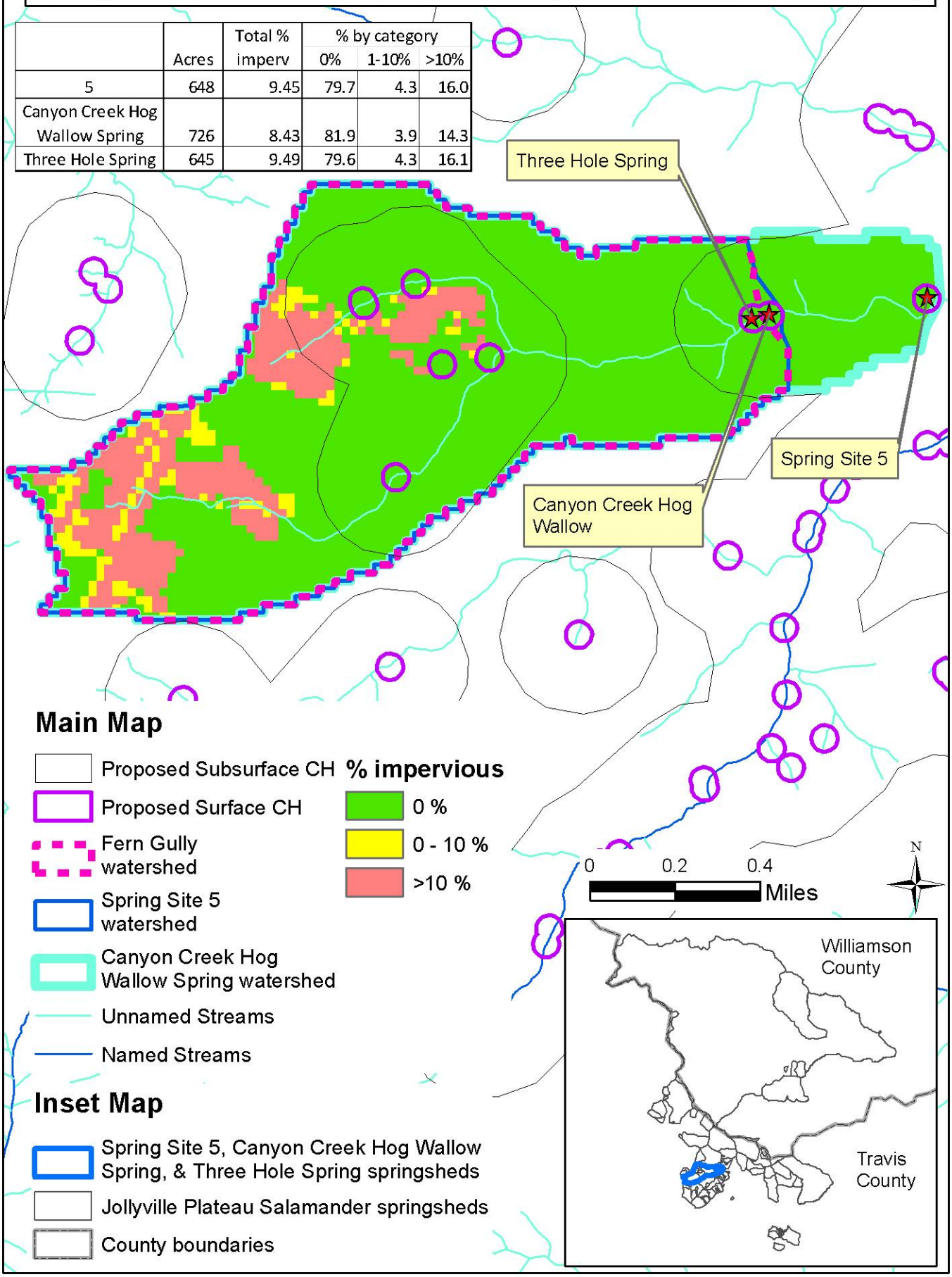
Spring Site 3 / Lanier Spring & Moss Gully

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
3, Lanier Spring	1,604	7.73	80.1	6.2	13.7
Moss Gully	26	0.00	100.0	0.0	0.0

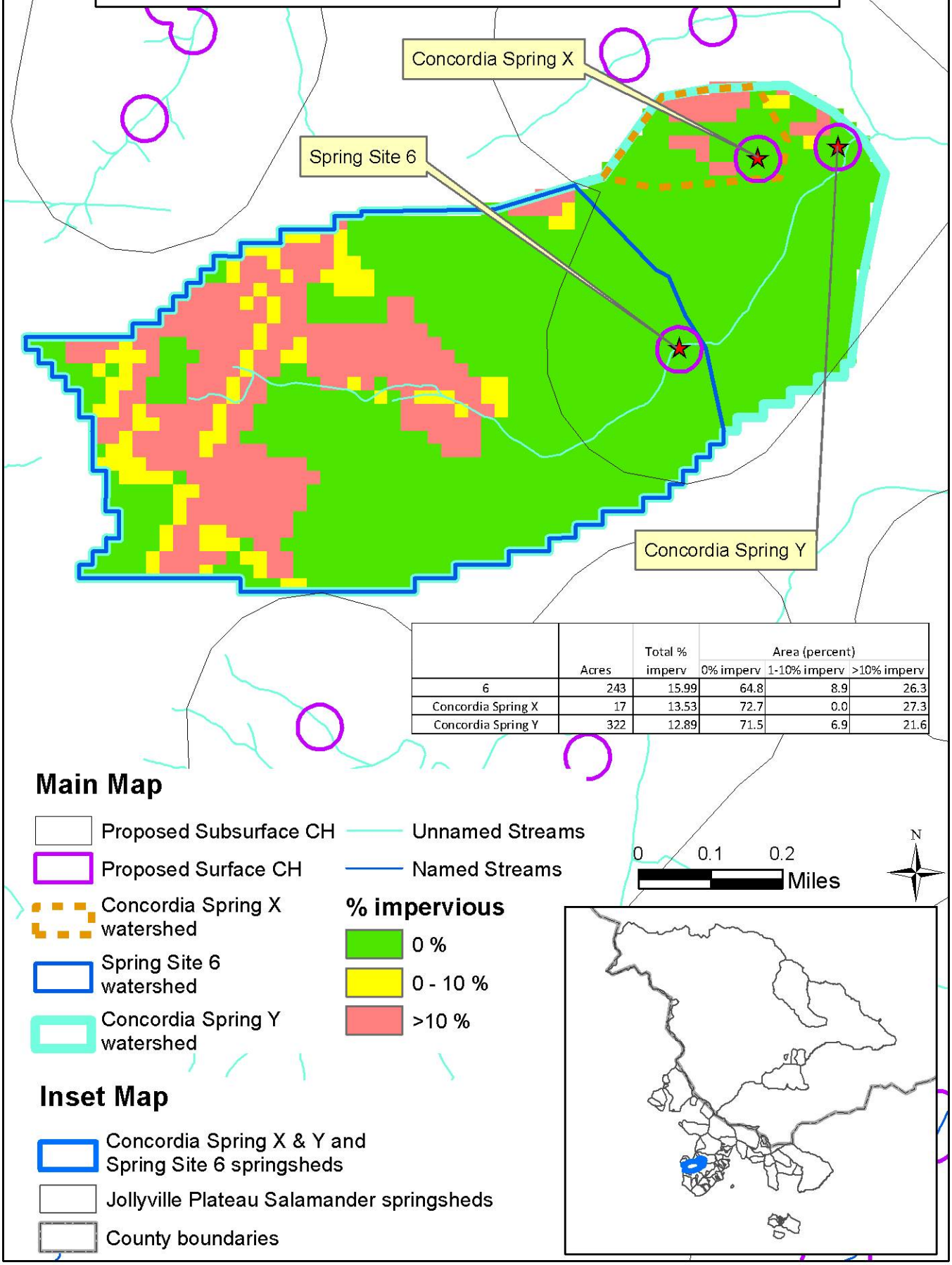


Spring Site 5, Three Hole Spring and Canyon Creek Hog Wallow Spring

	Acres	Total % imperv	% by category 0%	1-10%	>10%
5	648	9.45	79.7	4.3	16.0
Canyon Creek Hog Wallow Spring	726	8.43	81.9	3.9	14.3
Three Hole Spring	645	9.49	79.6	4.3	16.1

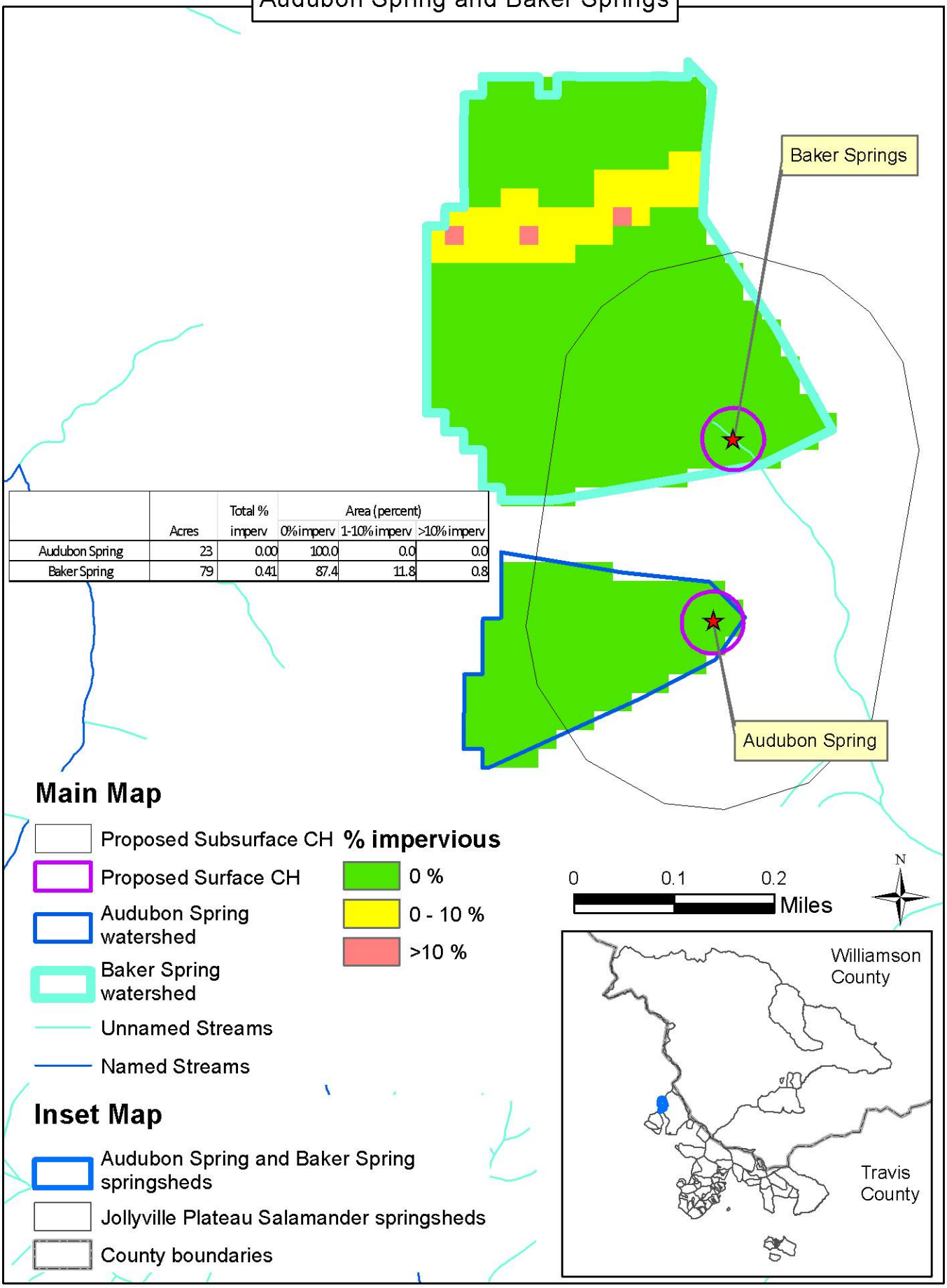


Concordia Spring X & Y and Spring Site 6



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
6	243	15.99	64.8	8.9	26.3
Concordia Spring X	17	13.53	72.7	0.0	27.3
Concordia Spring Y	322	12.89	71.5	6.9	21.6

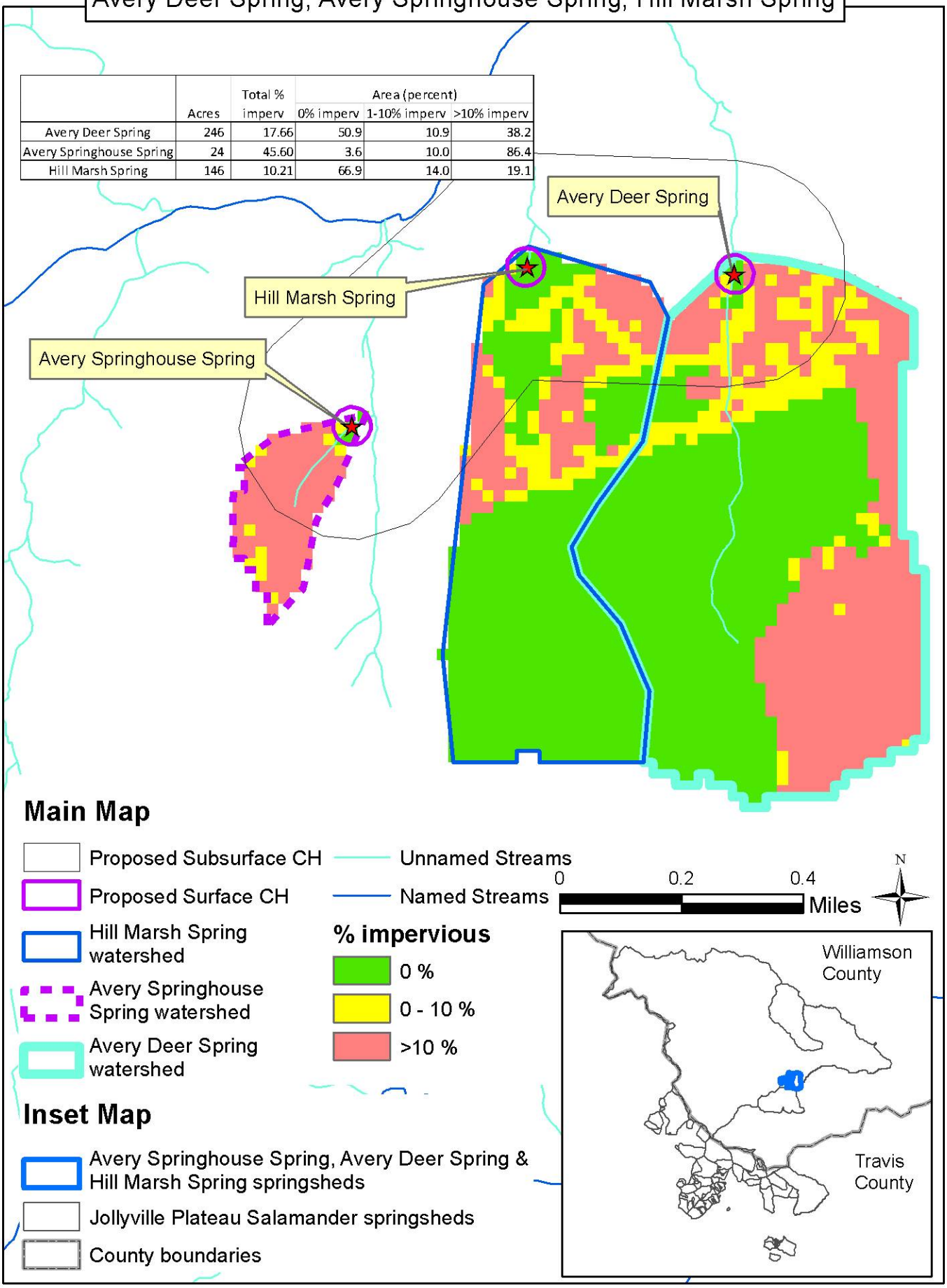
Audubon Spring and Baker Springs



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Audubon Spring	23	0.00	100.0	0.0	0.0
Baker Spring	79	0.41	87.4	11.8	0.8

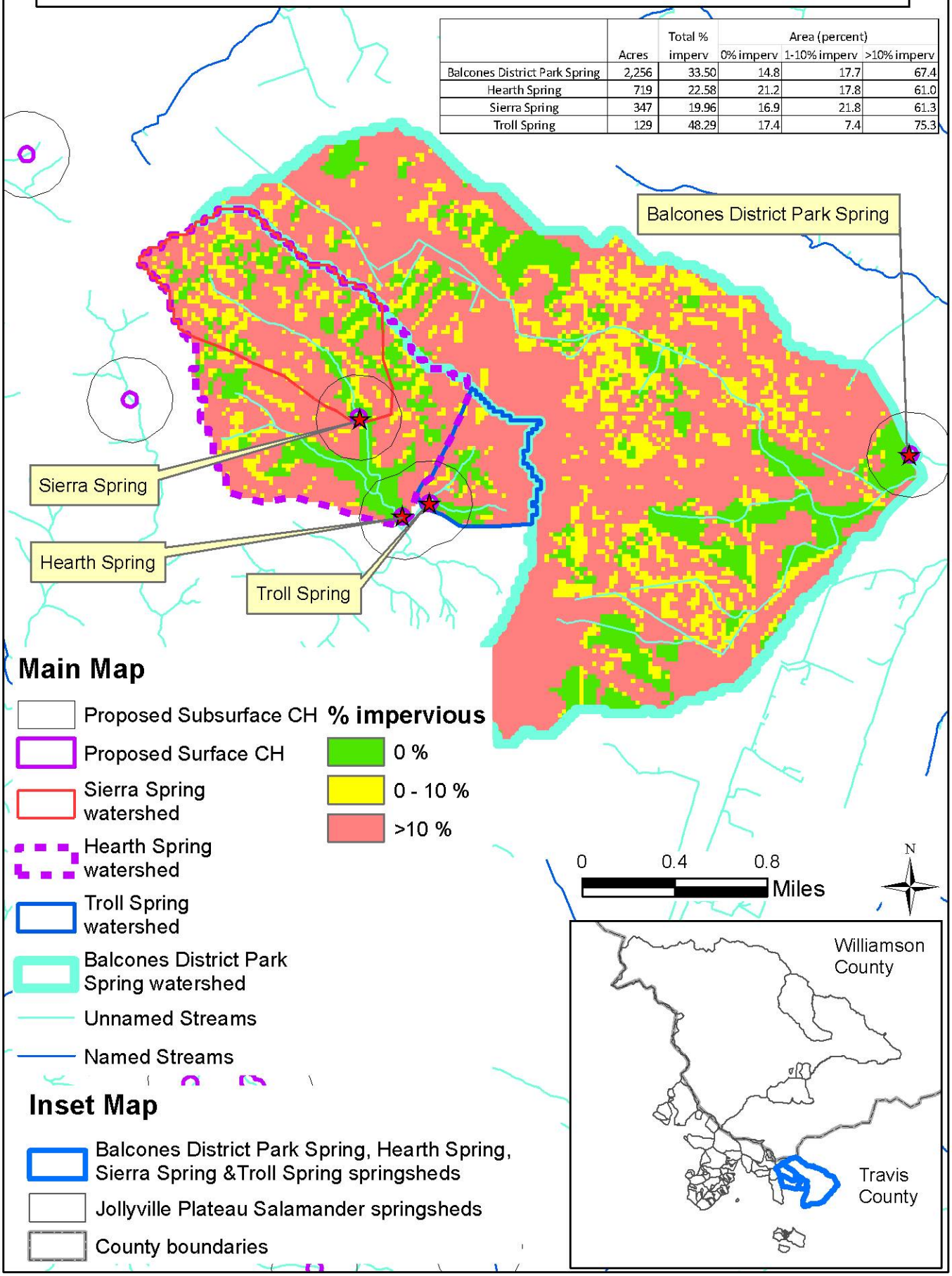
Avery Deer Spring, Avery Springhouse Spring, Hill Marsh Spring

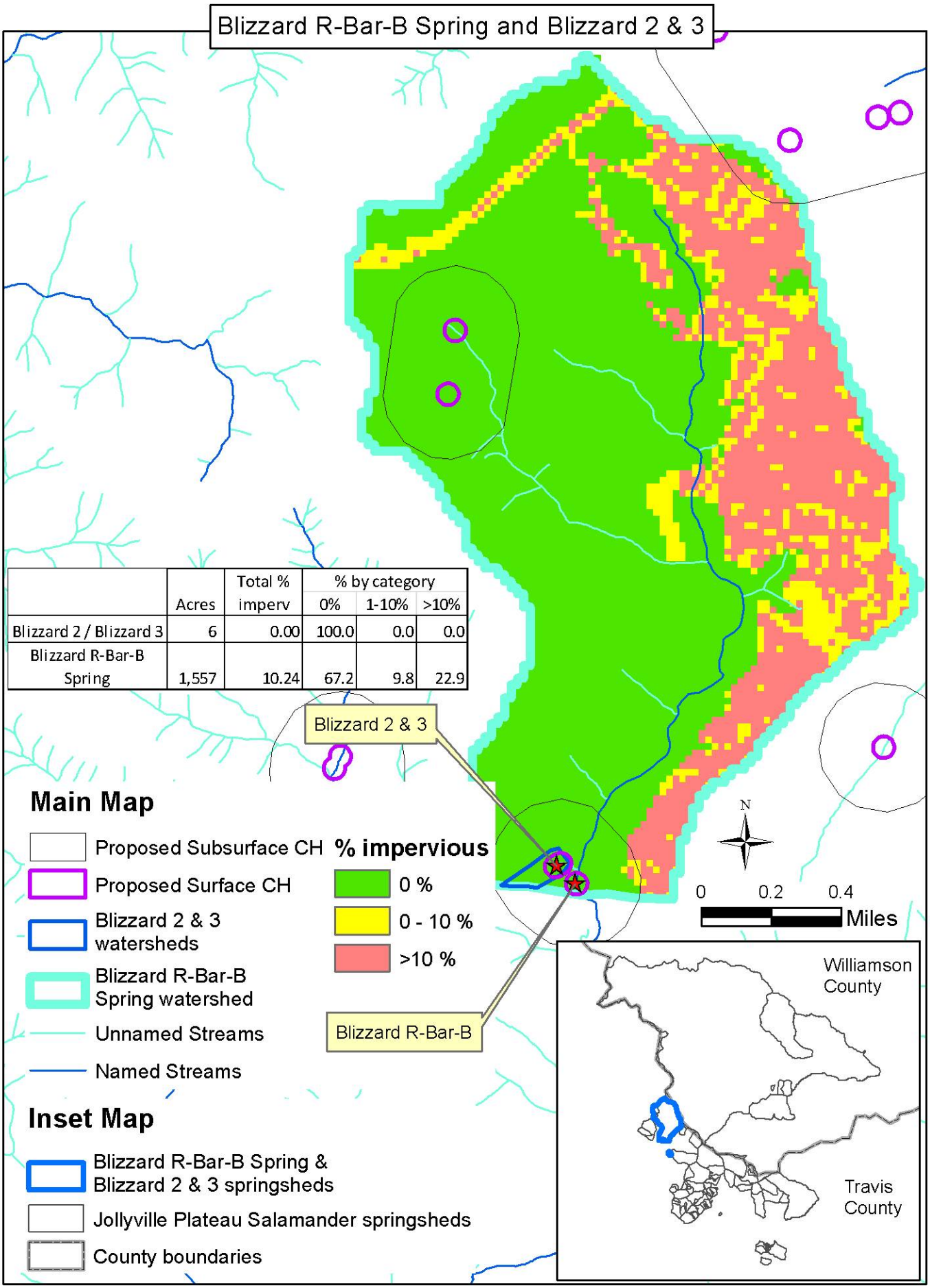
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Avery Deer Spring	246	17.66	50.9	10.9	38.2
Avery Springhouse Spring	24	45.60	3.6	10.0	86.4
Hill Marsh Spring	146	10.21	66.9	14.0	19.1



Balcones District Park Spring, Hearth Spring, Sierra Spring, & Troll Spring

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Balcones District Park Spring	2,256	33.50	14.8	17.7	67.4
Hearth Spring	719	22.58	21.2	17.8	61.0
Sierra Spring	347	19.96	16.9	21.8	61.3
Troll Spring	129	48.29	17.4	7.4	75.3

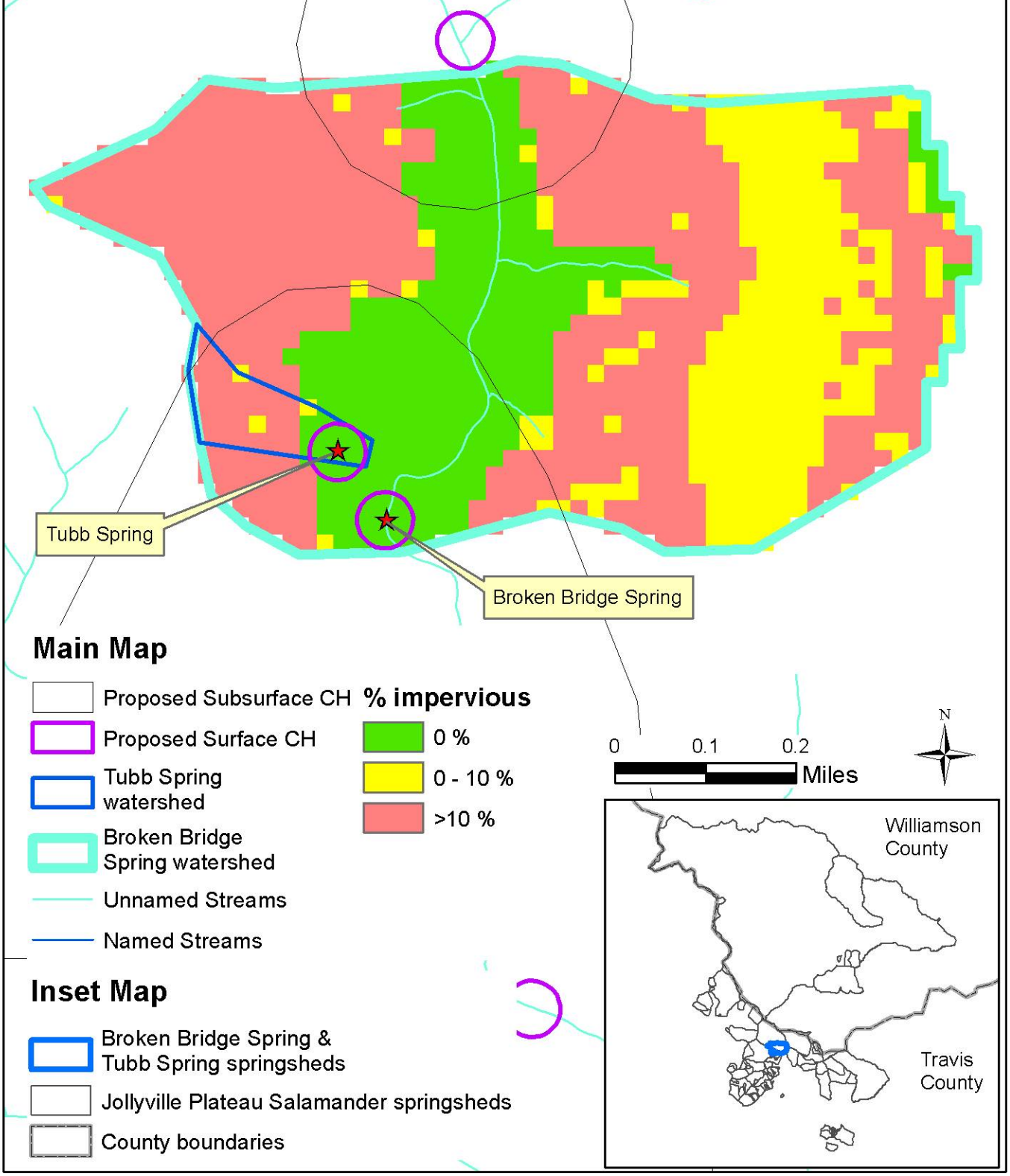




	Acres	Total % imperv	% by category		
			0%	1-10%	>10%
Blizzard 2 / Blizzard 3	6	0.00	100.0	0.0	0.0
Blizzard R-Bar-B Spring	1,557	10.24	67.2	9.8	22.9

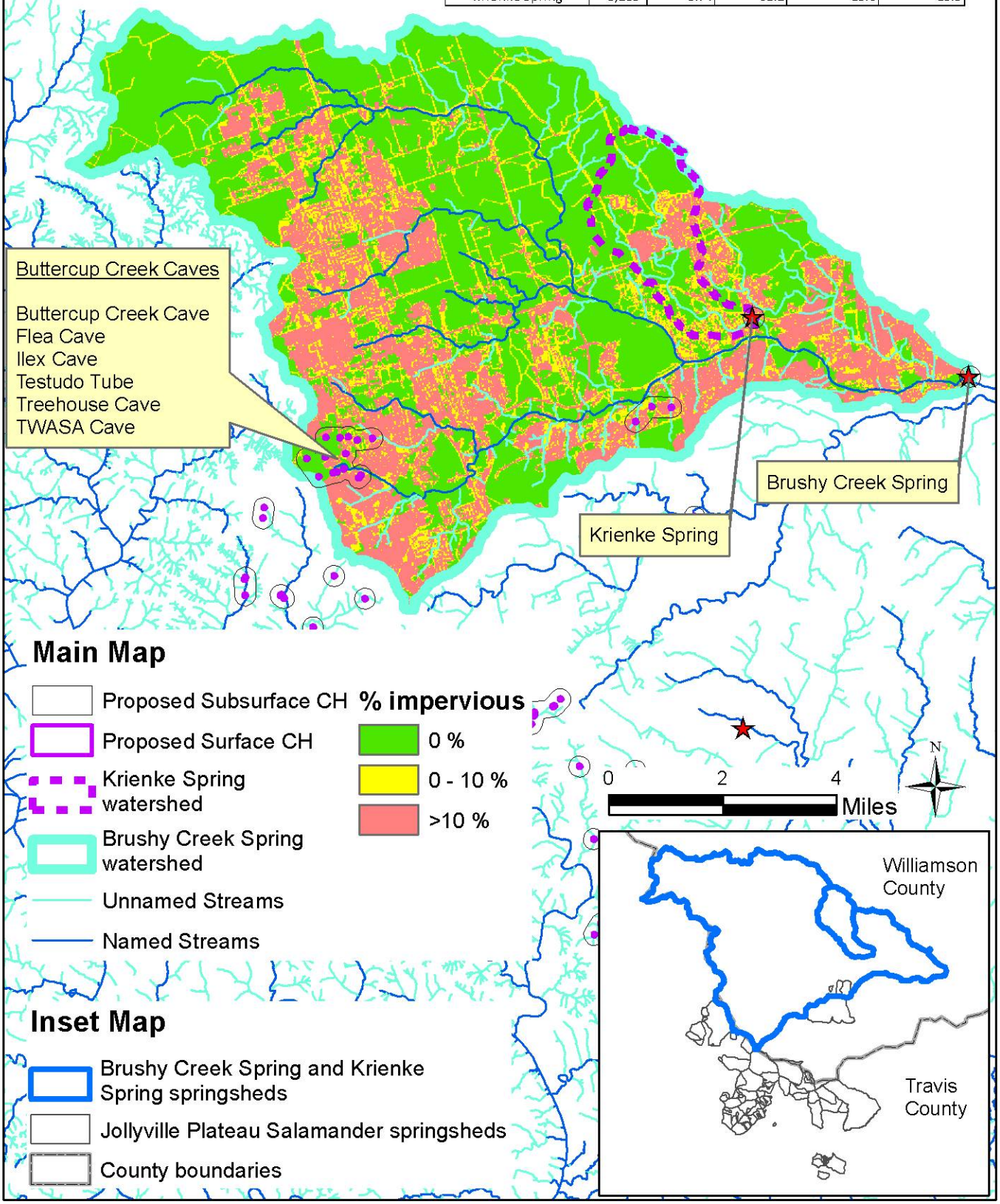
Broken Bridge Spring & Tubb Spring

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Broken Bridge Spring	270	22.87	24.9	21.8	53.3
Tubb Spring	9	28.55	26.2	7.1	66.7

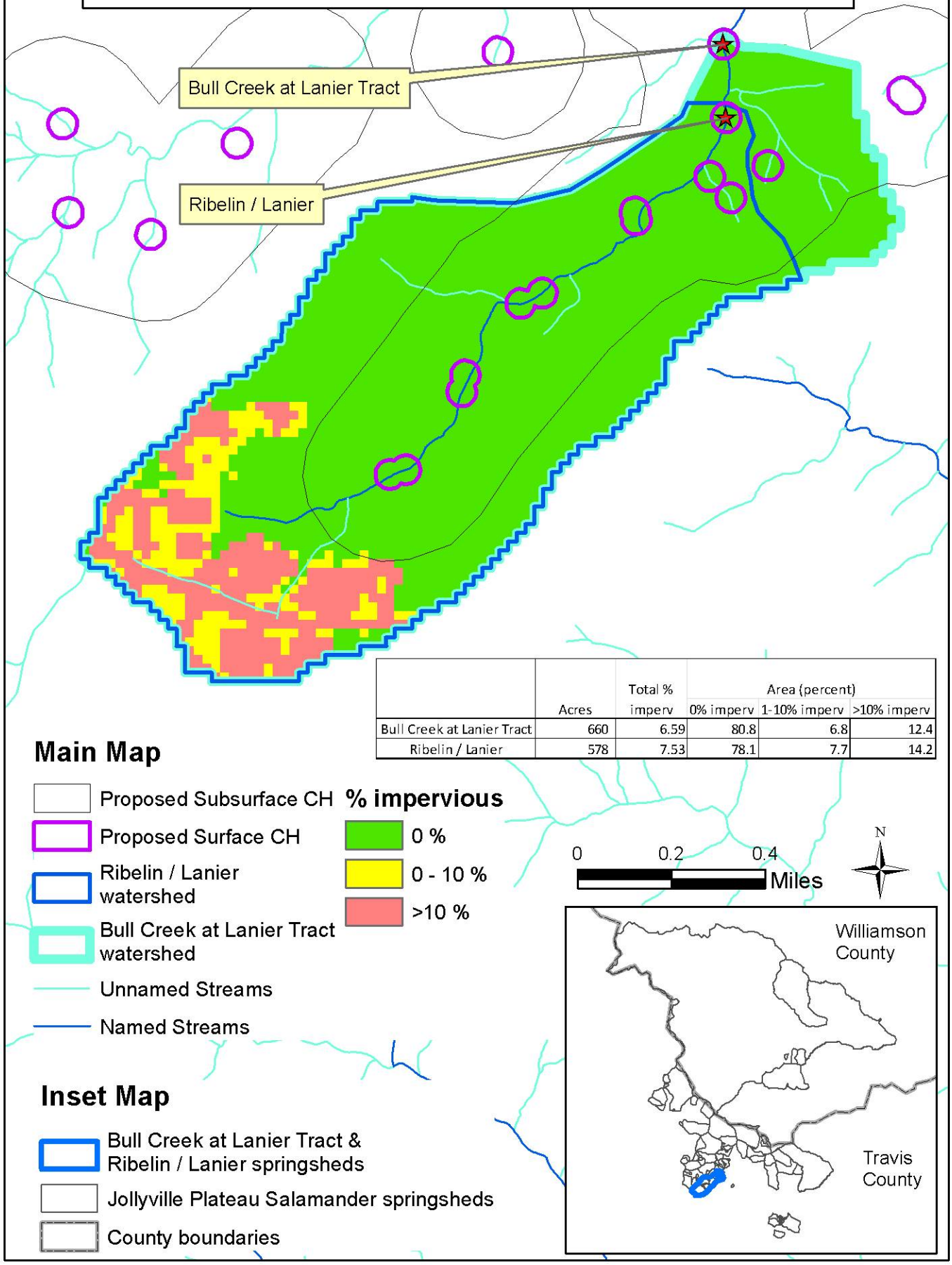


Brushy Creek Spring and Krienke Spring

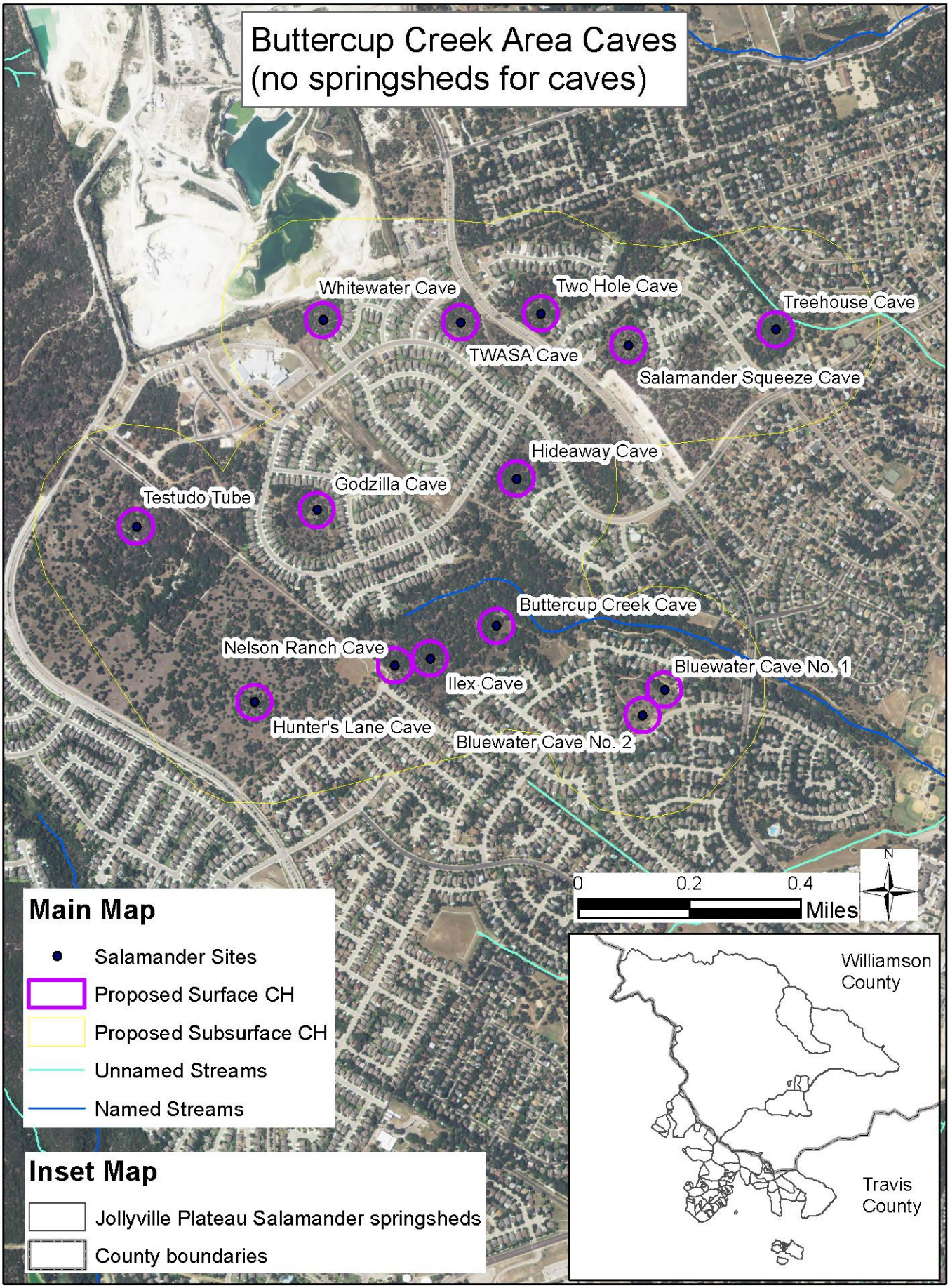
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Brushy Creek Spring	49,784	14.00	55.0	15.2	29.8
Krienke Spring	3,235	8.74	61.2	19.0	19.9



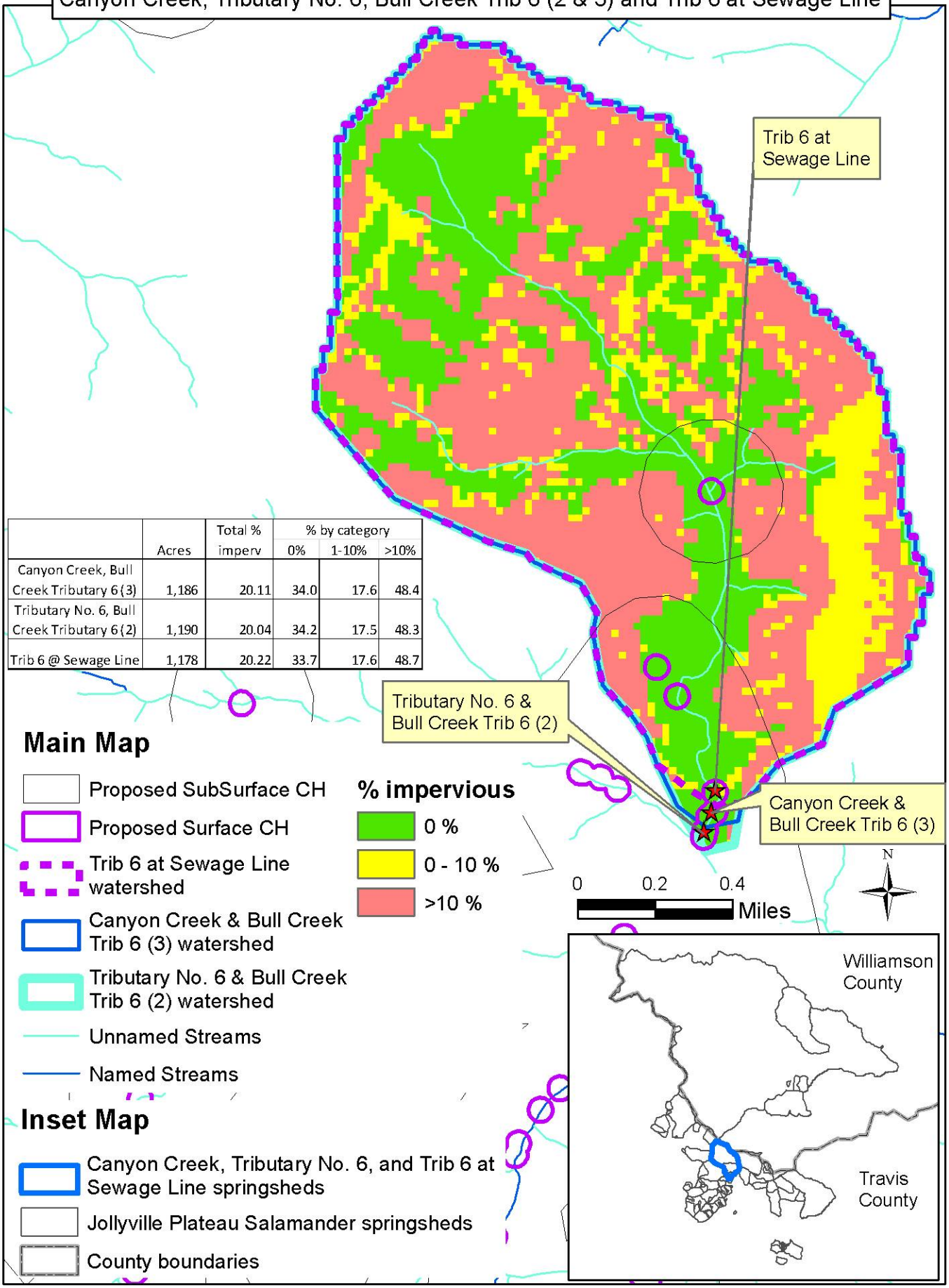
Bull Creek at Lanier Tract & Ribelin / Lanier



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Bull Creek at Lanier Tract	660	6.59	80.8	6.8	12.4
Ribelin / Lanier	578	7.53	78.1	7.7	14.2


Buttercup Creek Area Caves
(no springsheds for caves)
Whitewater Cave
Two Hole Cave
Treehouse Cave
TWASA Cave
Salamander Squeeze Cave
Hideaway Cave
Godzilla Cave
Testudo Tube
Buttercup Creek Cave
Nelson Ranch Cave
Ilex Cave
Bluewater Cave No. 1
Hunter's Lane Cave
Bluewater Cave No. 2
0
0.2
0.4
Miles
N
Main Map
Salamander Sites
Proposed Surface CH
Proposed Subsurface CH
Unnamed Streams
Named Streams
Inset Map
Jollyville Plateau Salamander springsheds
County boundaries
Williamson County
Travis County

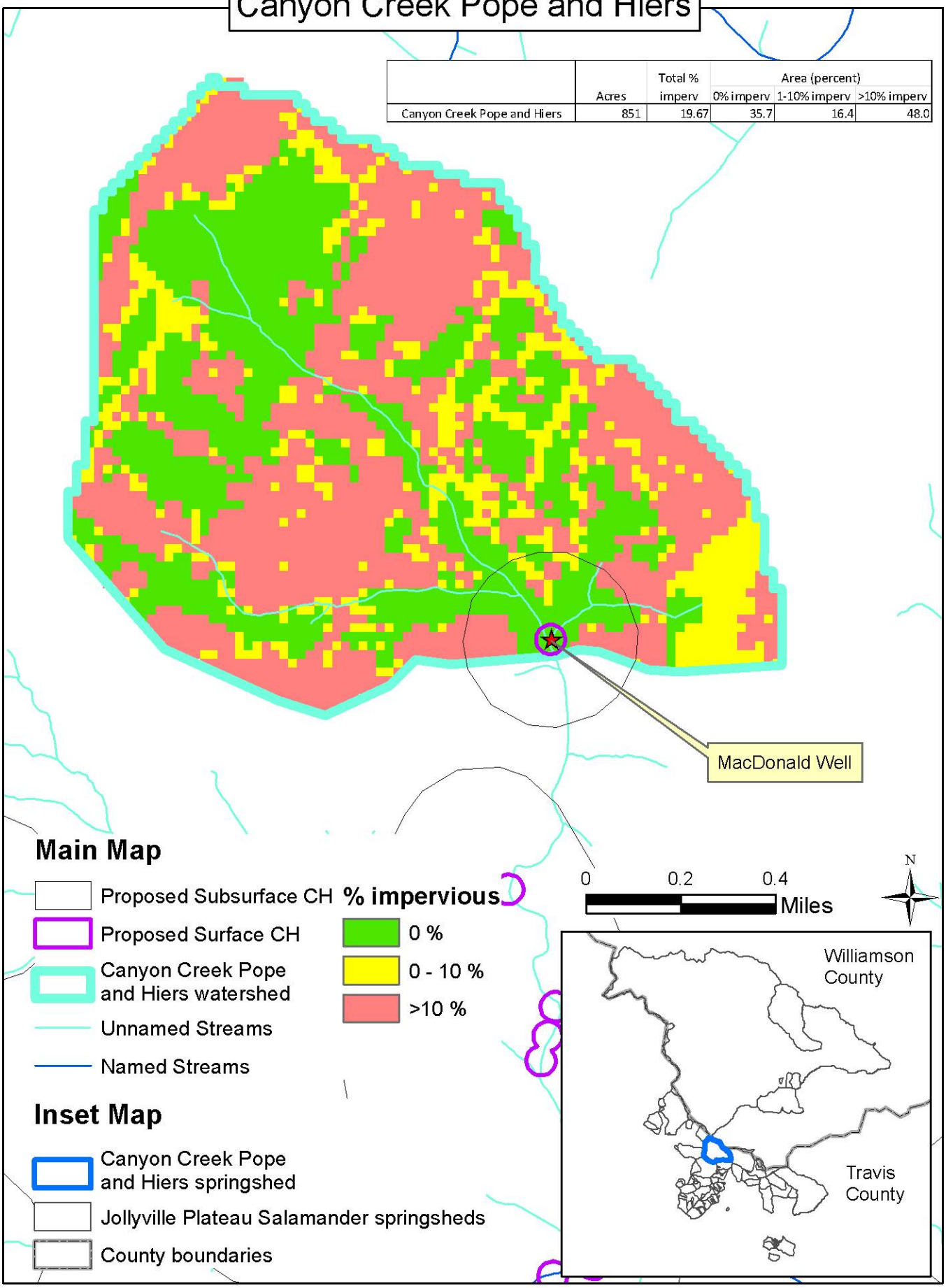
Canyon Creek, Tributary No. 6, Bull Creek Trib 6 (2 & 3) and Trib 6 at Sewage Line



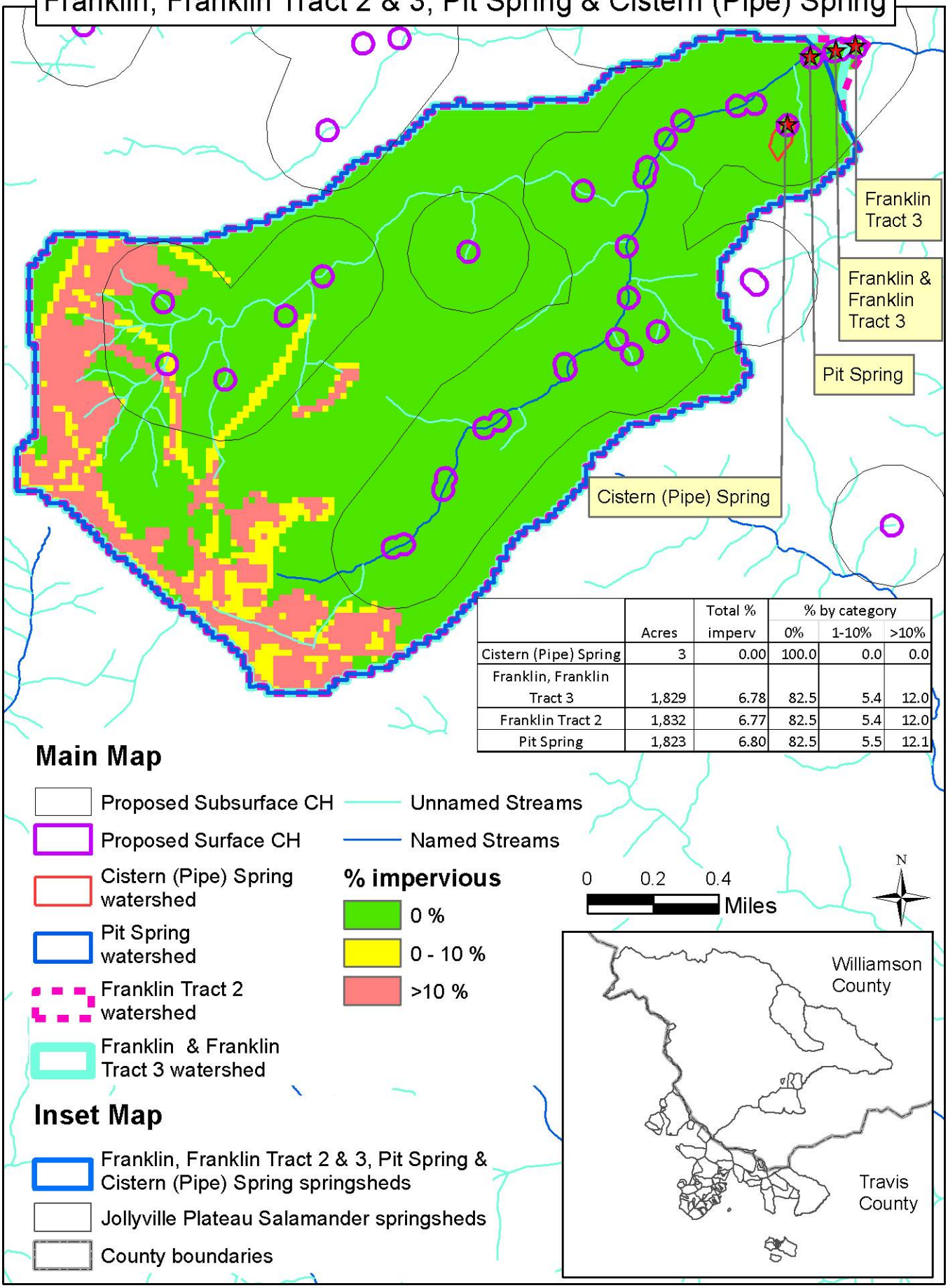
	Acres	Total % imperv	% by category 0%	1-10%	>10%
Canyon Creek, Bull Creek Tributary 6 (3)	1,186	20.11	34.0	17.6	48.4
Tributary No. 6, Bull Creek Tributary 6 (2)	1,190	20.04	34.2	17.5	48.3
Trib 6 @ Sewage Line	1,178	20.22	33.7	17.6	48.7

Canyon Creek Pope and Hiers

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Canyon Creek Pope and Hiers	851	19.67	35.7	16.4	48.0



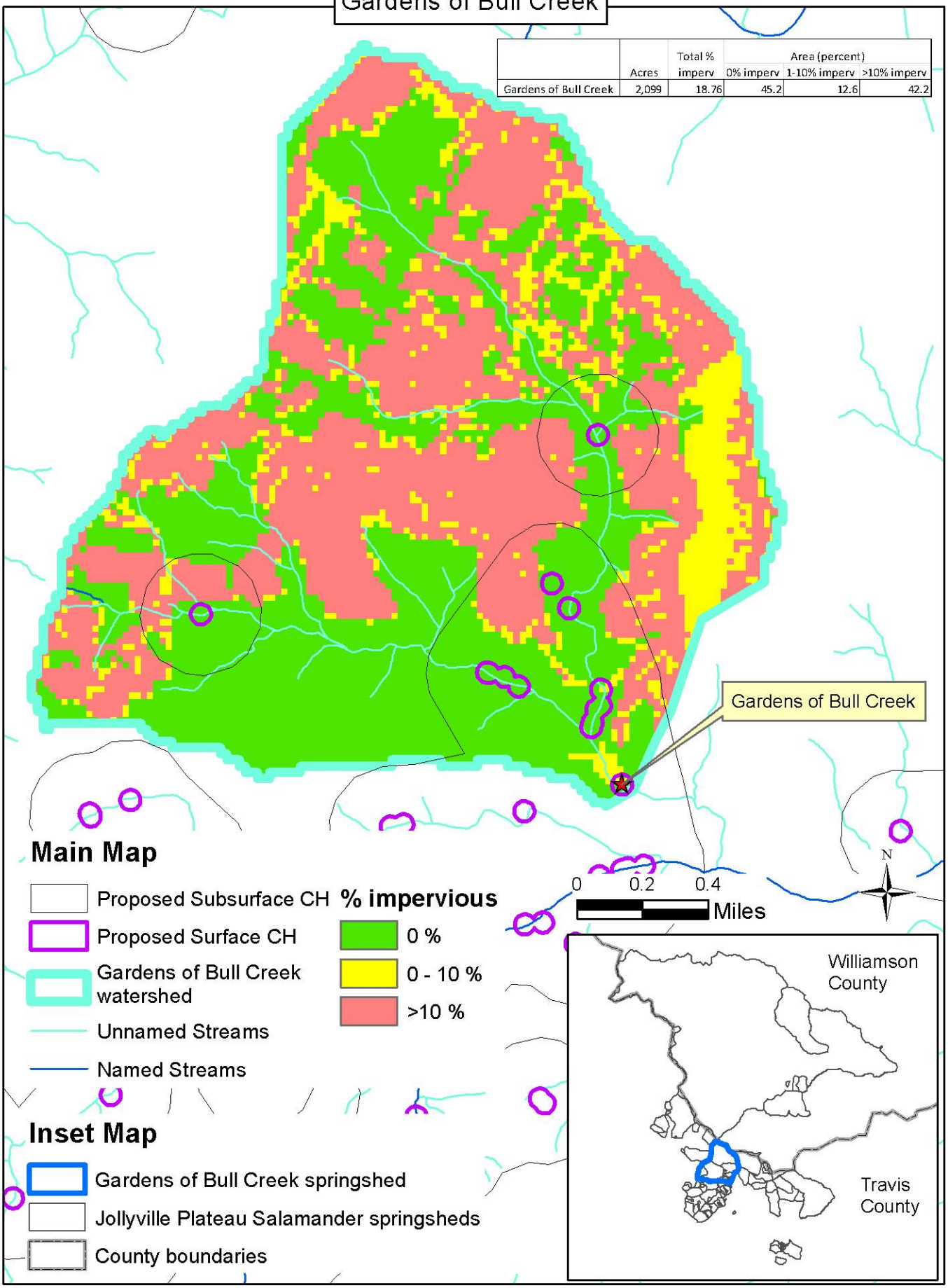
Franklin, Franklin Tract 2 & 3, Pit Spring & Cistern (Pipe) Spring



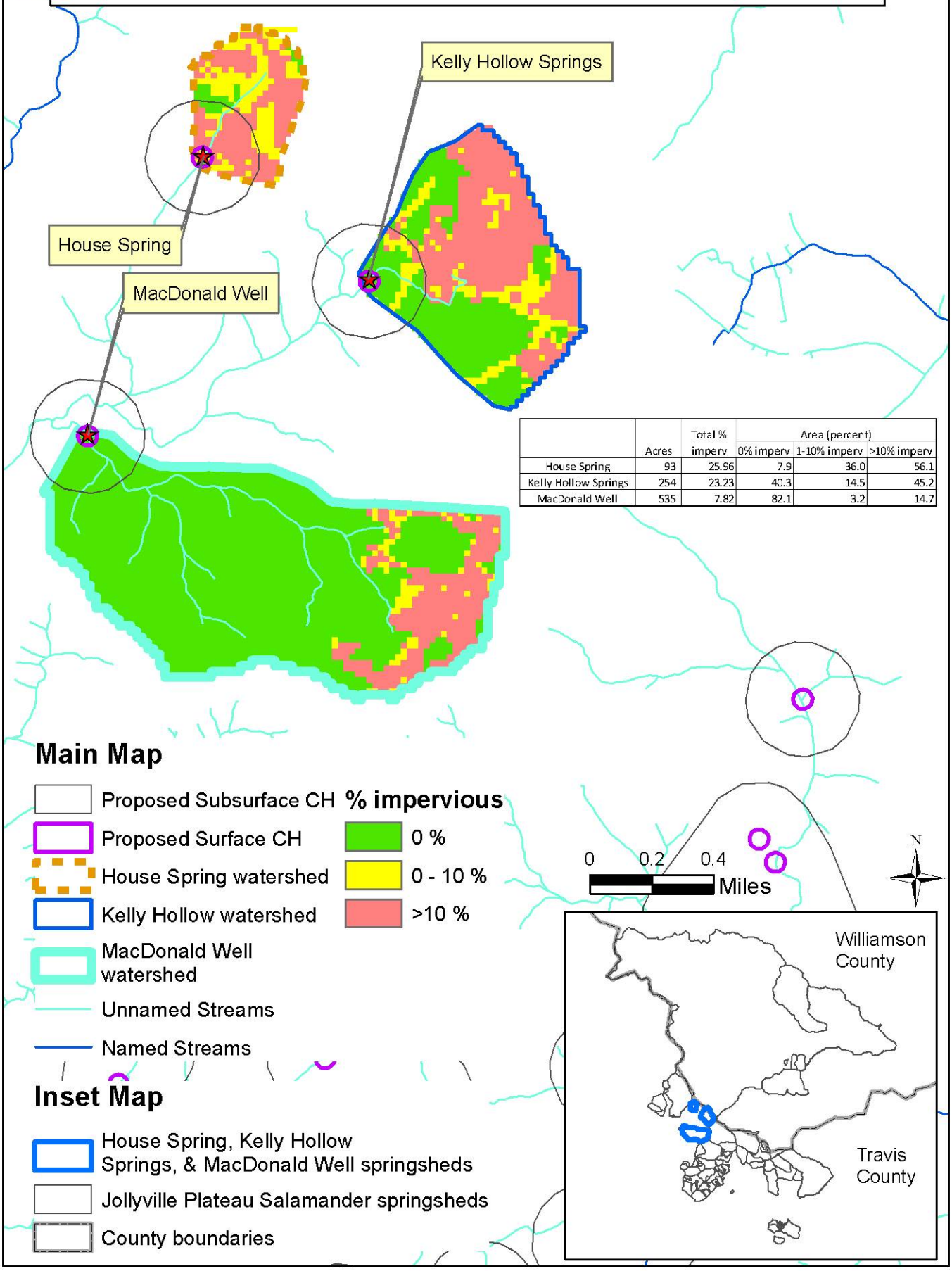
	Acres	Total % imperv	% by category 0%	1-10%	>10%
Cistern (Pipe) Spring	3	0.00	100.0	0.0	0.0
Franklin, Franklin Tract 3	1,829	6.78	82.5	5.4	12.0
Franklin Tract 2	1,832	6.77	82.5	5.4	12.0
Pit Spring	1,823	6.80	82.5	5.5	12.1

Gardens of Bull Creek

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Gardens of Bull Creek	2,099	18.76	45.2	12.6	42.2

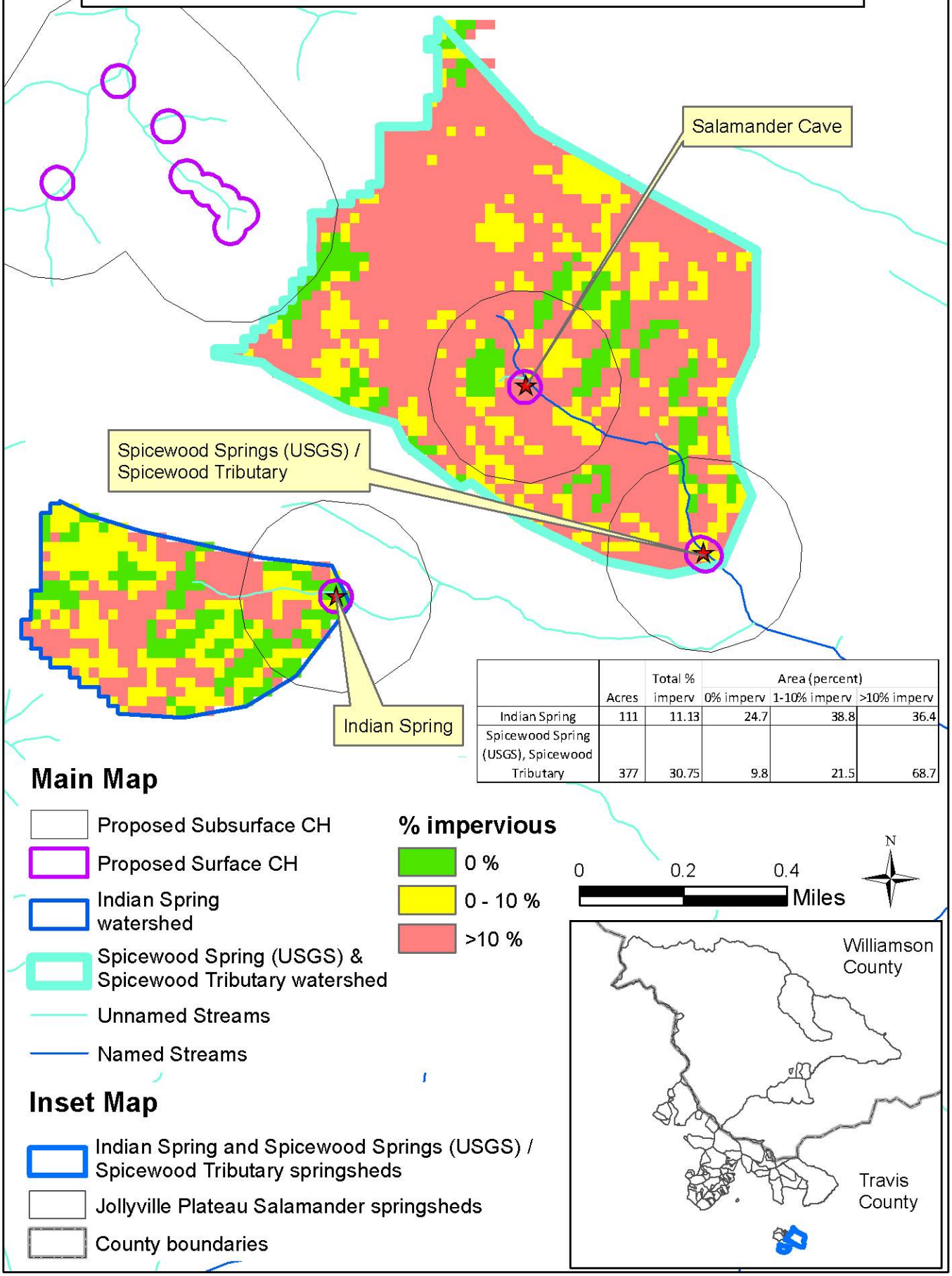


House Spring, Kelly Hollow Springs & MacDonald Well



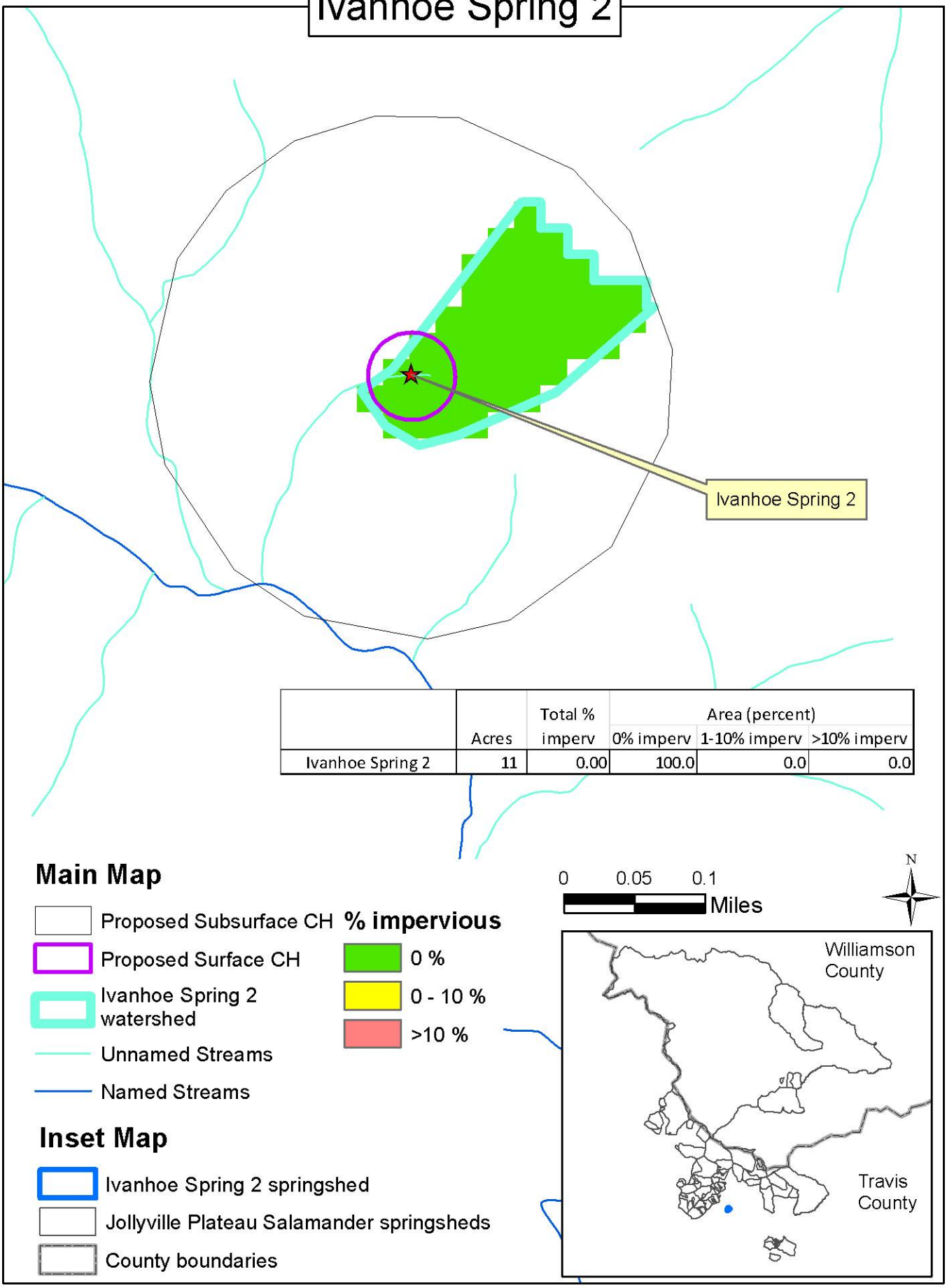
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
House Spring	93	25.96	7.9	36.0	56.1
Kelly Hollow Springs	254	23.23	40.3	14.5	45.2
MacDonald Well	535	7.82	82.1	3.2	14.7

Indian Springs, Spicewood Springs (USGS) / Spicewood Tributary



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Indian Spring	111	11.13	24.7	38.8	36.4
Spicewood Spring (USGS), Spicewood Tributary	377	30.75	9.8	21.5	68.7

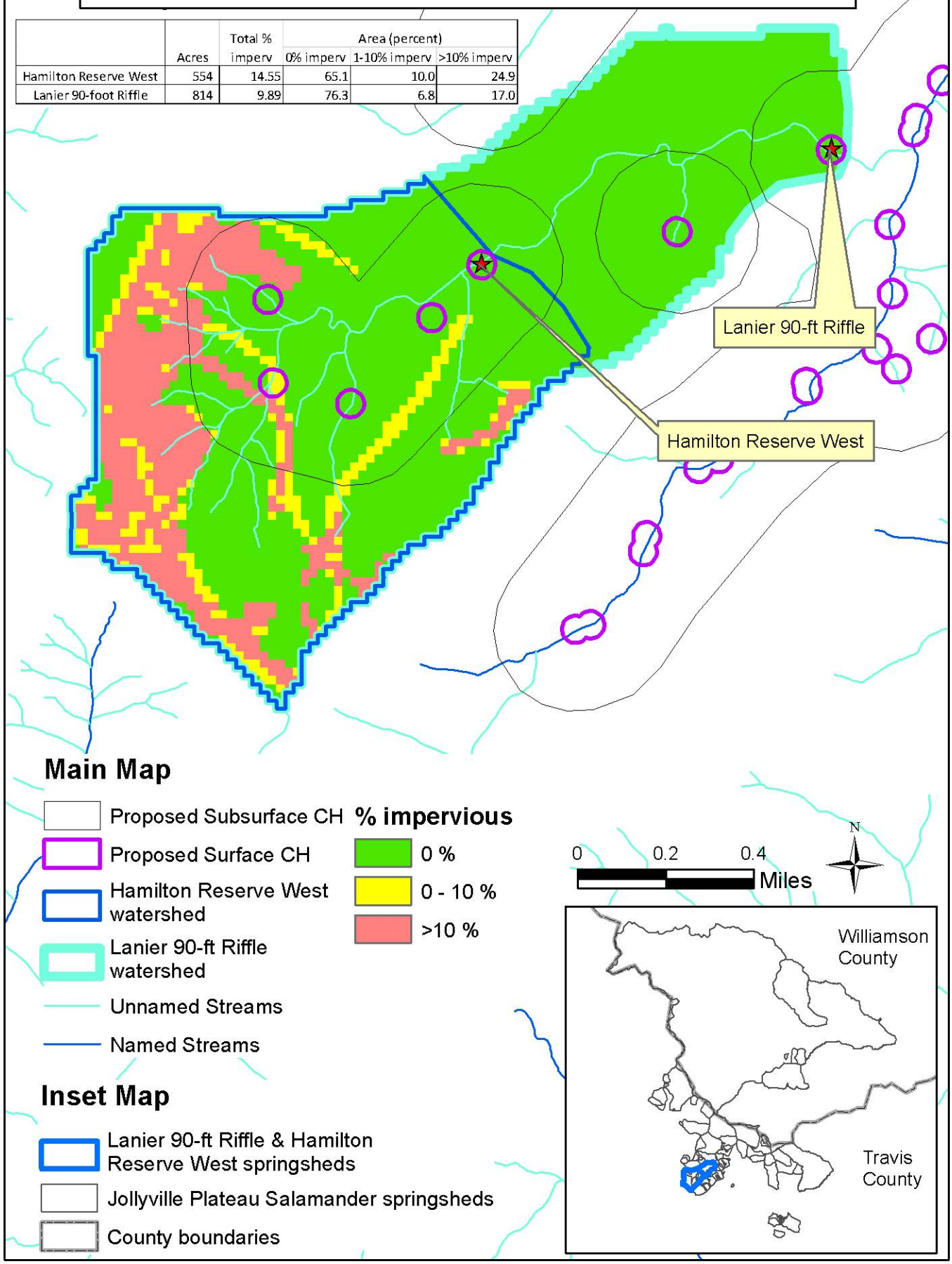
Ivanhoe Spring 2



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
Ivanhoe Spring 2	11	0.00	100.0	0.0	0.0

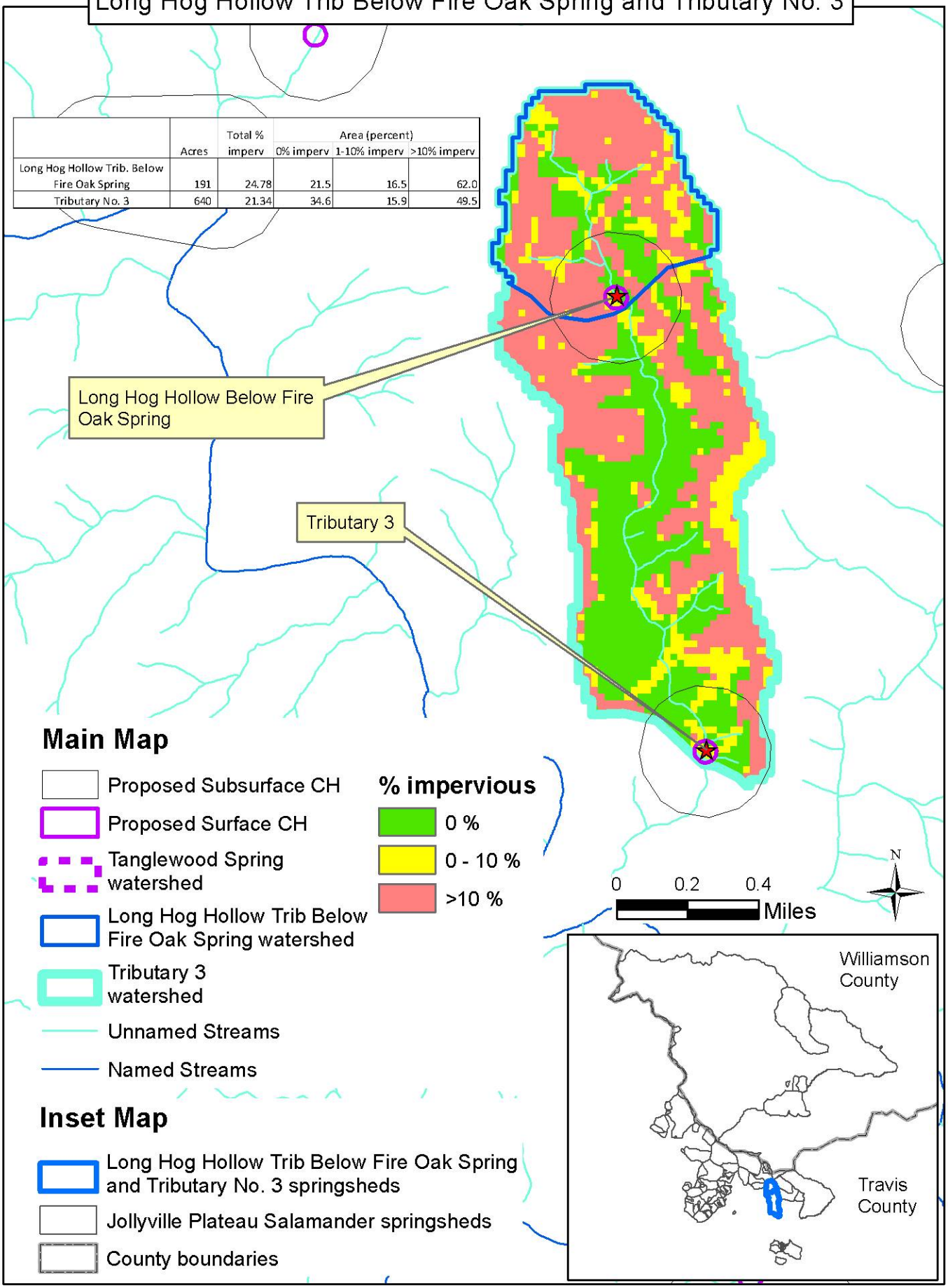
Lanier 90-ft Riffle & Hamilton Reserve West

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Hamilton Reserve West	554	14.55	65.1	10.0	24.9
Lanier 90-foot Riffle	814	9.89	76.3	6.8	17.0

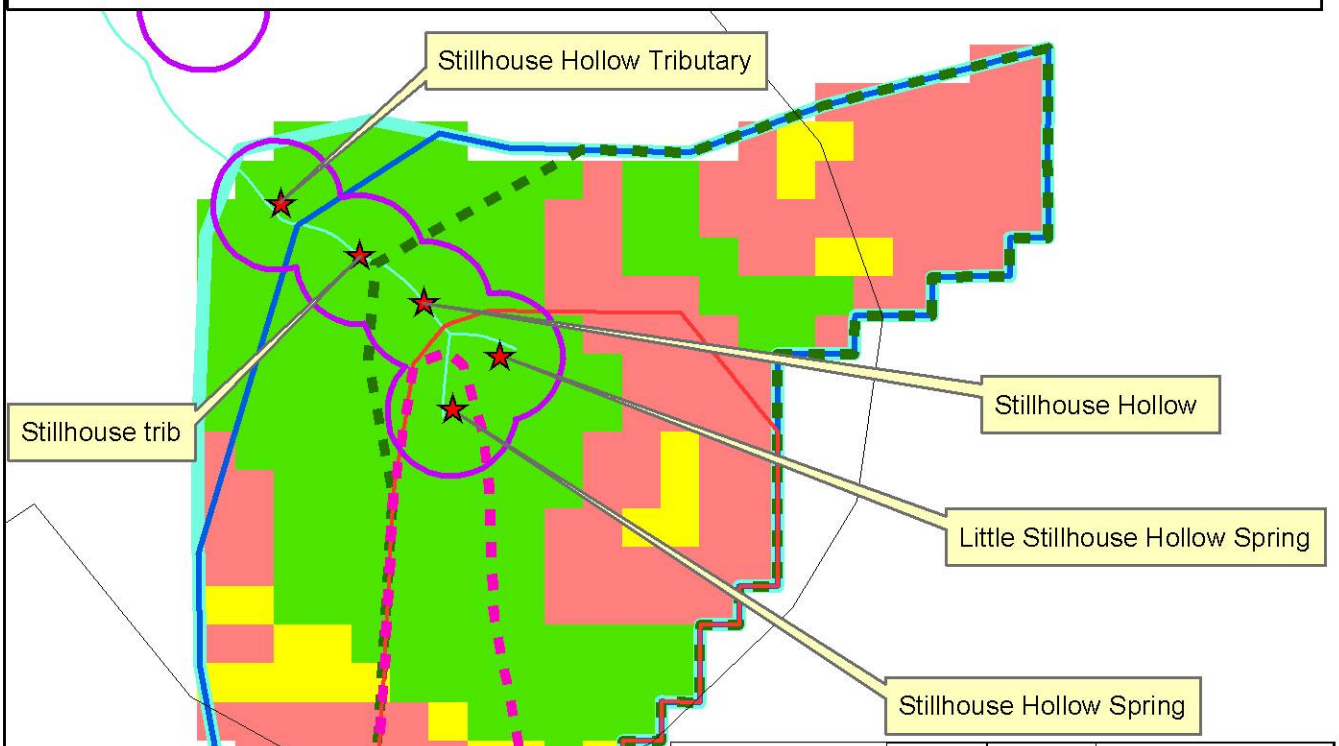


Long Hog Hollow Trib Below Fire Oak Spring and Tributary No. 3

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Long Hog Hollow Trib. Below Fire Oak Spring	191	24.78	21.5	16.5	62.0
Tributary No. 3	640	21.34	34.6	15.9	49.5



Stillhouse Hollow Trib. & Spring, Little Stillhouse Hollow Spr and Stillhouse trib



	Acres	Total % imperv	% by category 0%	1-10%	>10%
Little Stillhouse Hollow Spr	26	20.46	50.4	9.4	40.2
Stillhouse Hollow	44	25.20	43.5	8.0	48.5
Stillhouse Hollow Spring	9	11.26	57.1	9.5	33.3
Stillhouse Hollow Tributary	67	19.83	48.5	10.6	40.9
Stillhouse trib	63	20.96	45.6	11.3	43.1

Main Map

- Proposed Subsurface CH
- Proposed Surface CH
- Stillhouse Hollow Spring watershed
- Little Stillhouse Hollow Spring watershed
- Stillhouse Hollow watershed
- Stillhouse tributary watershed
- Stillhouse Hollow Tributary watershed
- Unnamed Streams
- Named Streams

% impervious

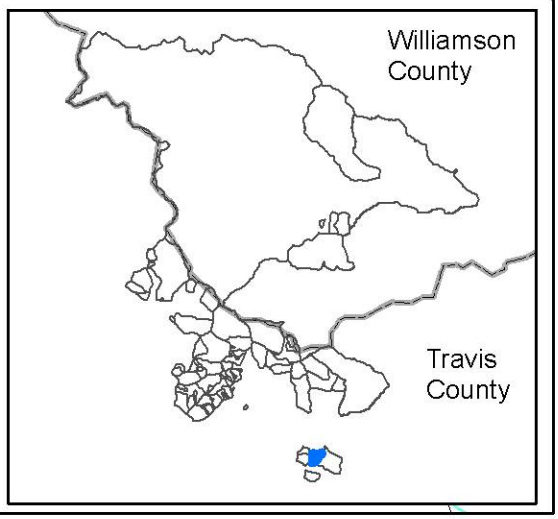
- 0 %
- 0 - 10 %
- >10 %

0 0.05 0.1 Miles

N

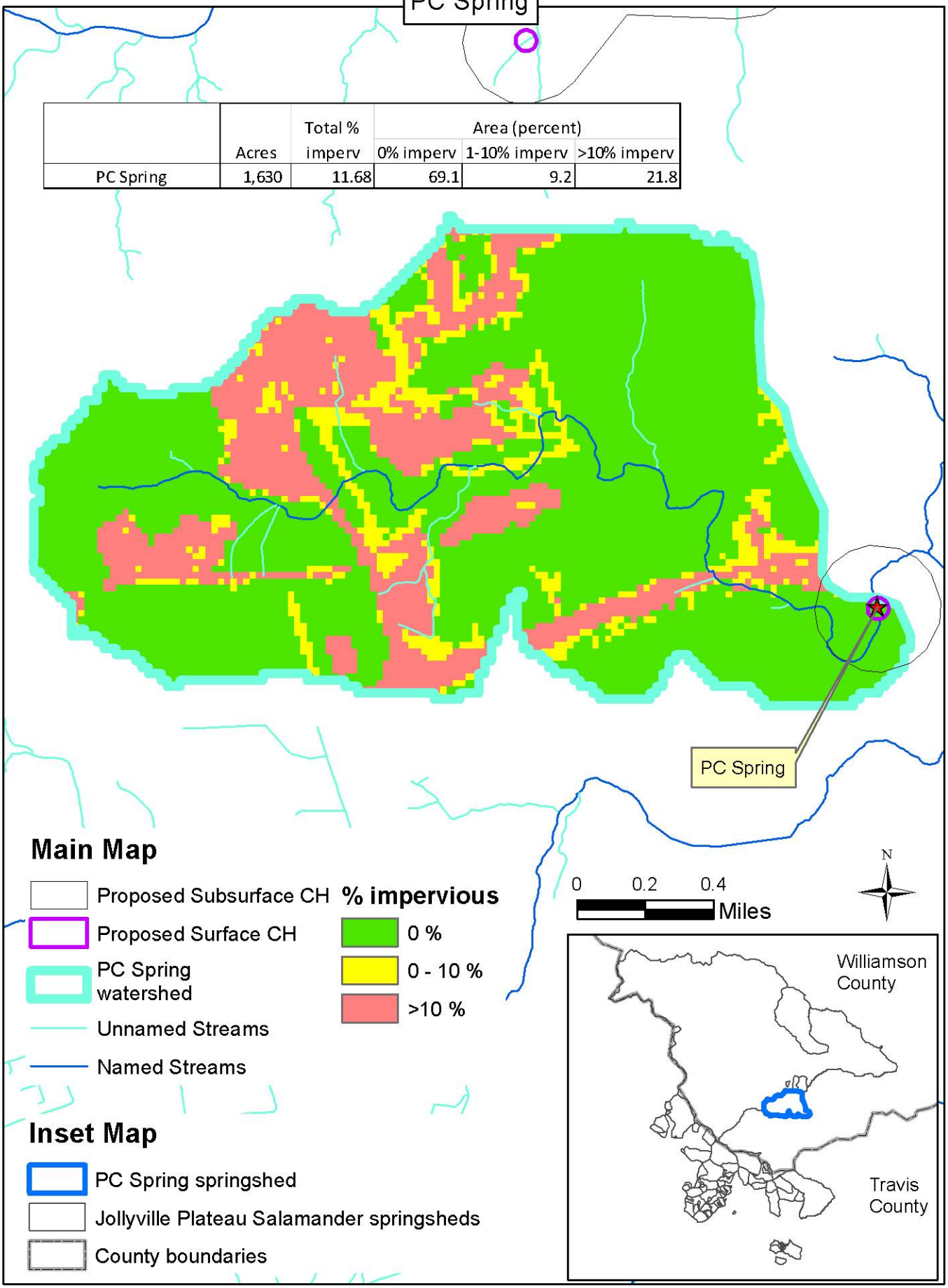
Inset Map

- Stillhouse Hollow Trib. & Spring, Little Stillhouse Hollow Spring, and Stillhouse trib springsheds
- Jollyville Plateau Salamander springsheds
- County boundaries

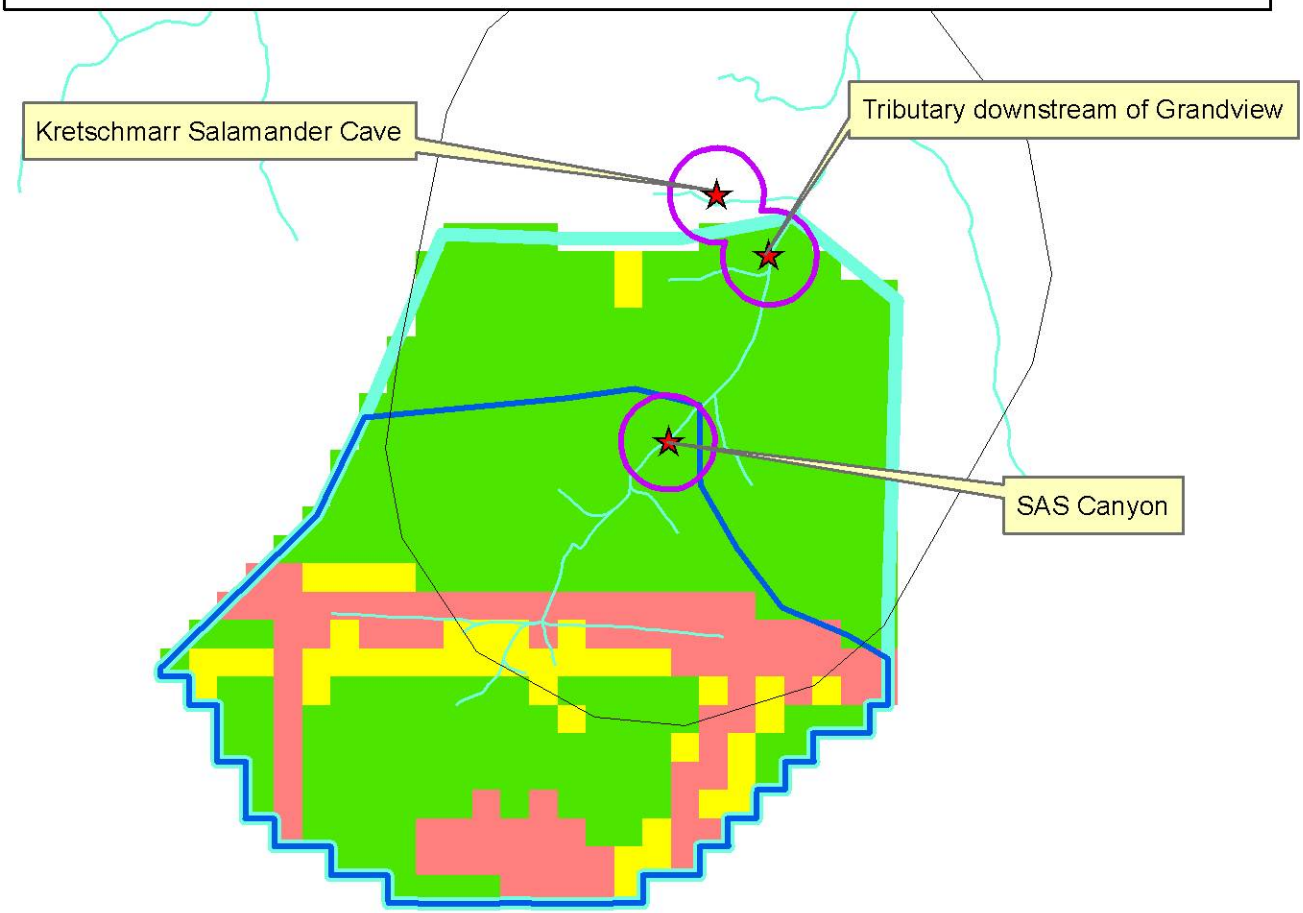


PC Spring

	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
PC Spring	1,630	11.68	69.1	9.2	21.8



Kretchmarr Salamander Cave, trib downstream of Grandview, SAS Canyon



	Acres	Total % imperv	Area (percent)		
			0% imperv	1-10% imperv	>10% imperv
SAS Canyon	68	11.64	59.4	13.6	26.9
Tributary Downstream of Grandview	101	7.89	72.1	9.6	18.2

Main Map

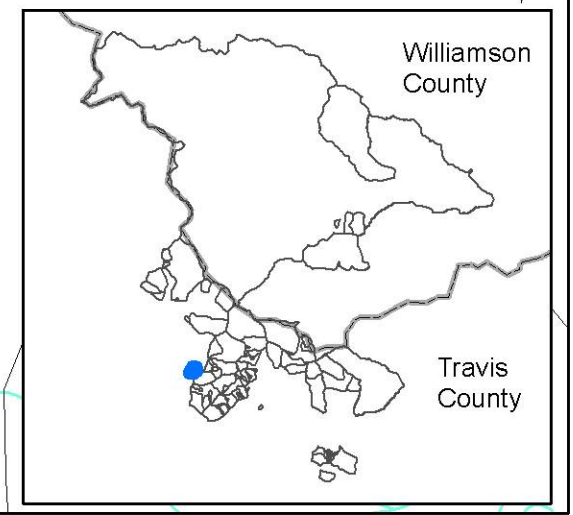
- Proposed Subsurface CH
- Proposed Surface CH
- SAS Canyon watershed
- Tributary Downstream of Grandview watershed
- Unnamed Streams
- Named Streams

% impervious

- 0 %
- 0 - 10 %
- >10 %

0 0.1 0.2 Miles

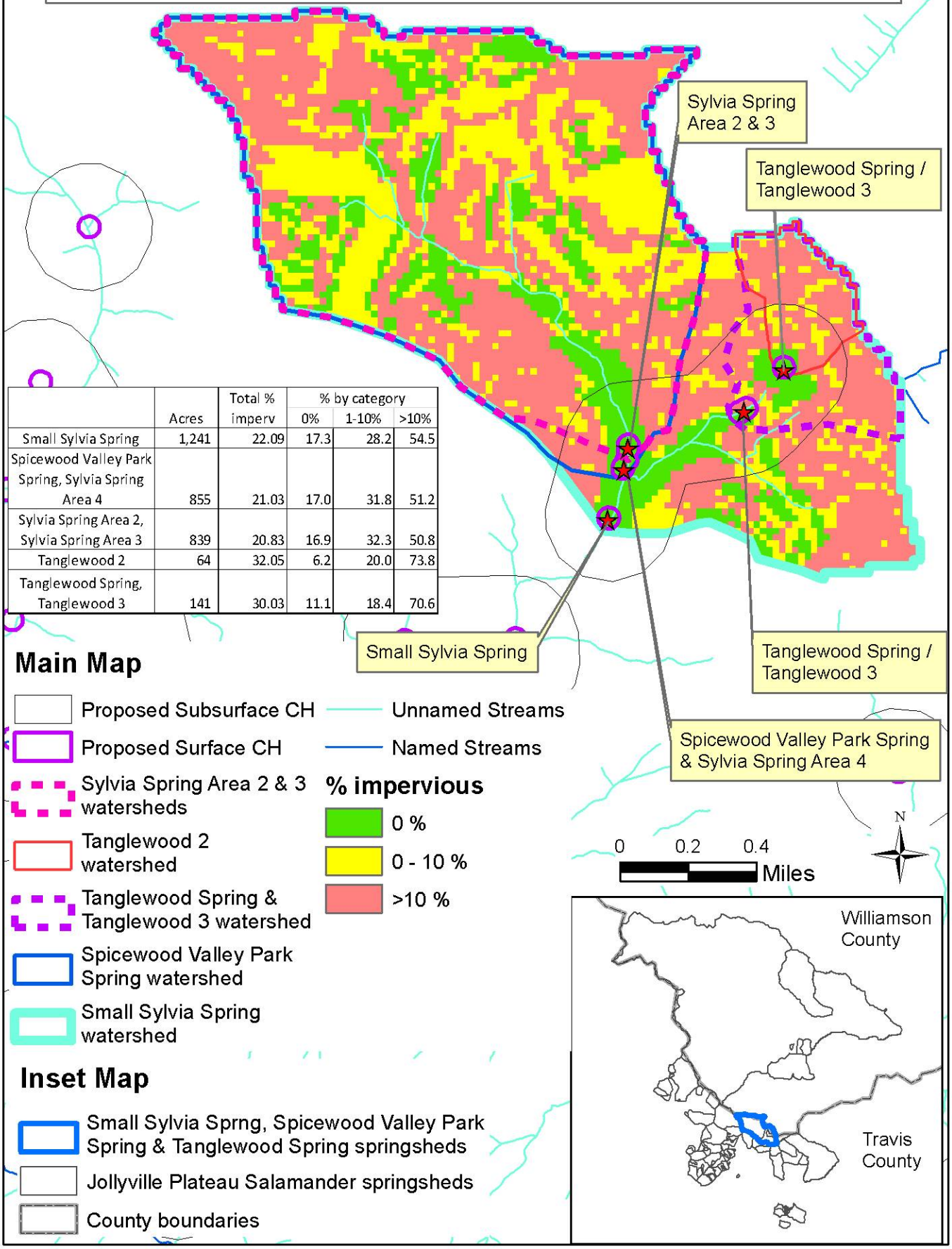
N



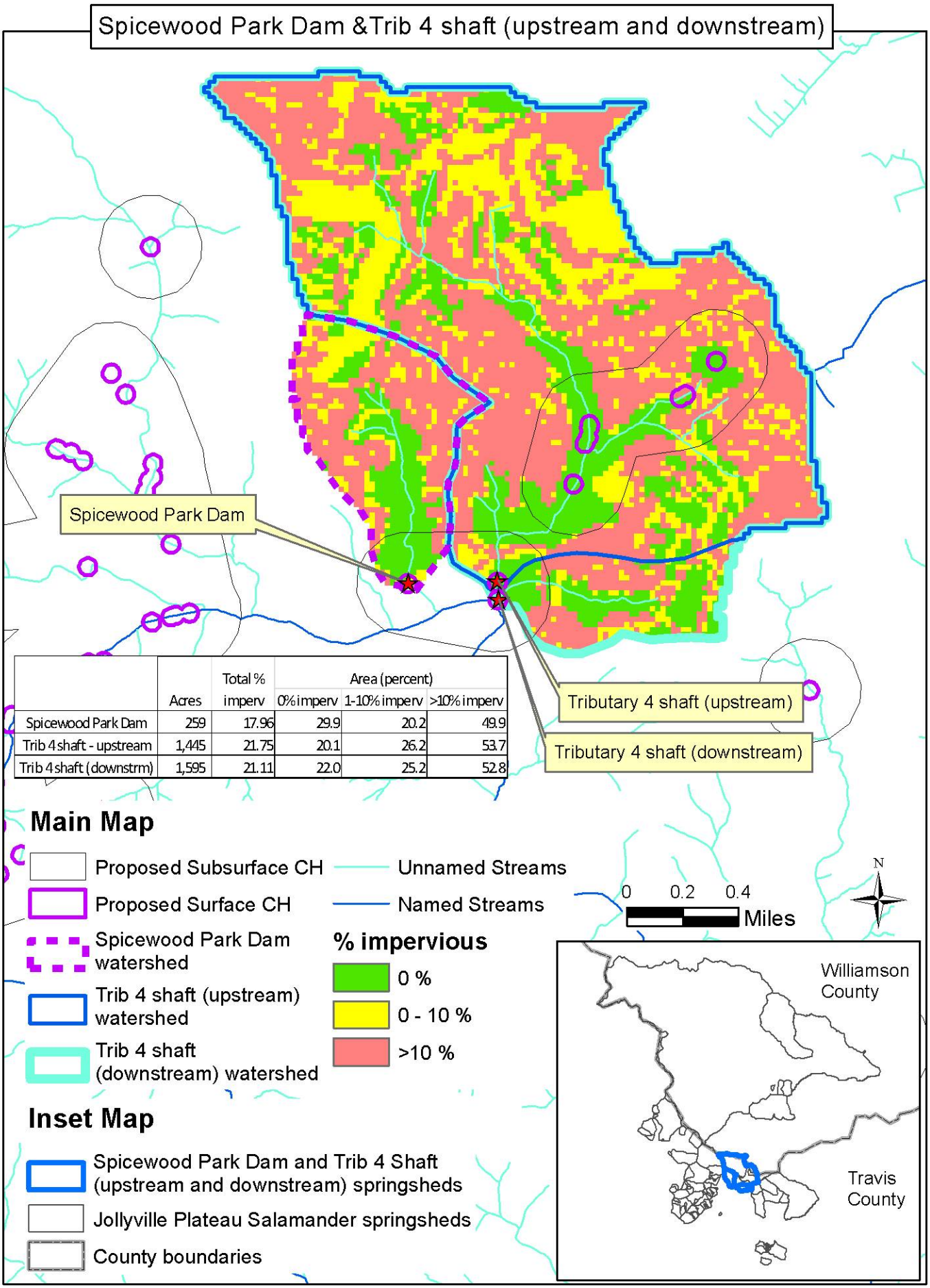
Inset Map

- SAS Canyon & Tributary downstream of Grandview springsheds
- Jollyville Plateau Salamander springsheds
- County boundaries

Small Sylvia Spring; Spicewood Valley Park Spring; Tanglewood Spring; Tanglewood 2 & 3; and Sylvia Spring Area 2, 3, & 4



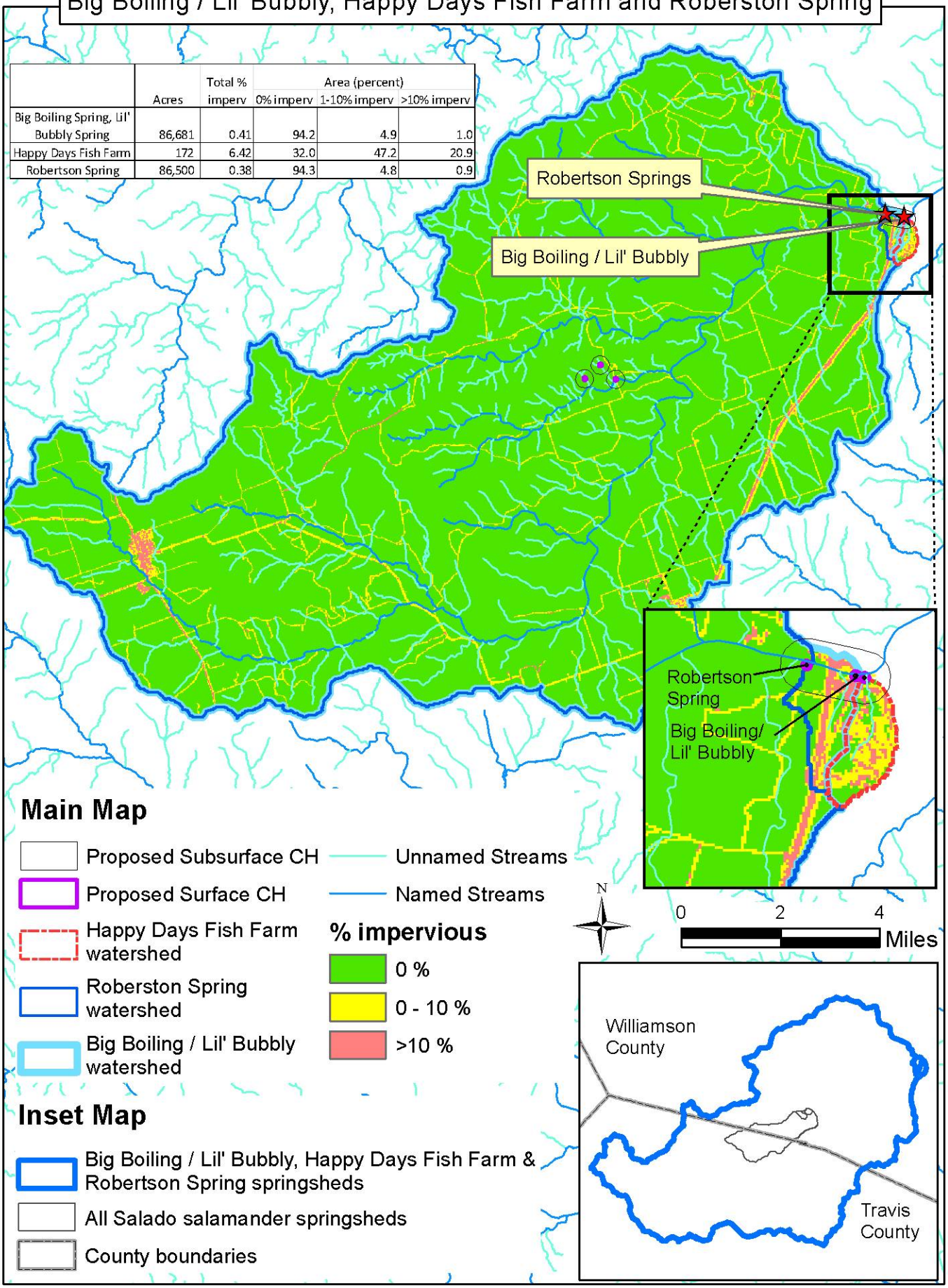
	Acres	Total % imperv	% by category 0%	1-10%	>10%
Small Sylvia Spring	1,241	22.09	17.3	28.2	54.5
Spicewood Valley Park Spring, Sylvia Spring Area 4	855	21.03	17.0	31.8	51.2
Sylvia Spring Area 2, Sylvia Spring Area 3	839	20.83	16.9	32.3	50.8
Tanglewood 2	64	32.05	6.2	20.0	73.8
Tanglewood Spring, Tanglewood 3	141	30.03	11.1	18.4	70.6



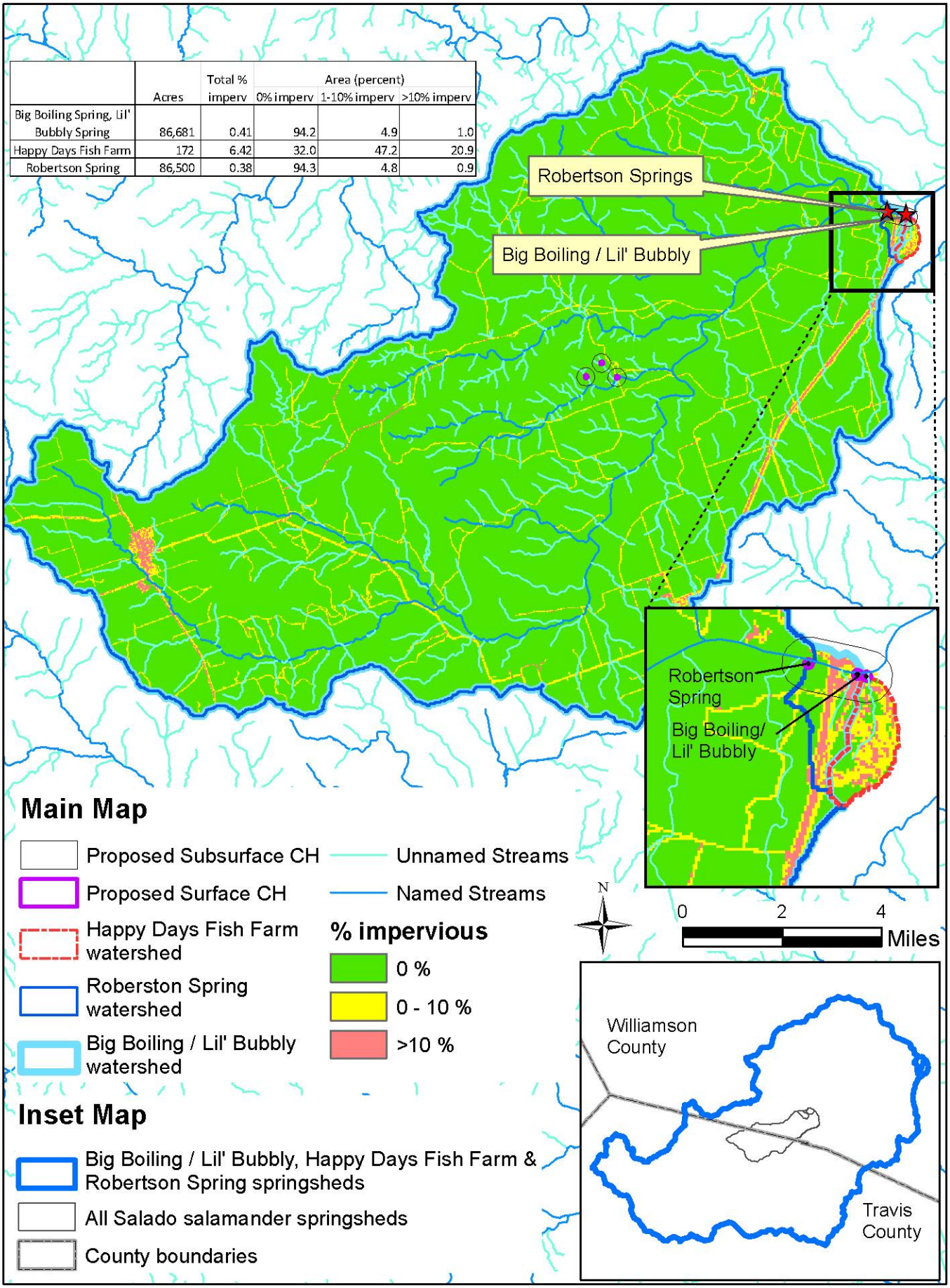
	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Spicewood Park Dam	259	17.96	29.9	20.2	49.9
Trib 4 shaft - upstream	1,445	21.75	20.1	26.2	53.7
Trib 4 shaft (downstrm)	1,595	21.11	22.0	25.2	52.8

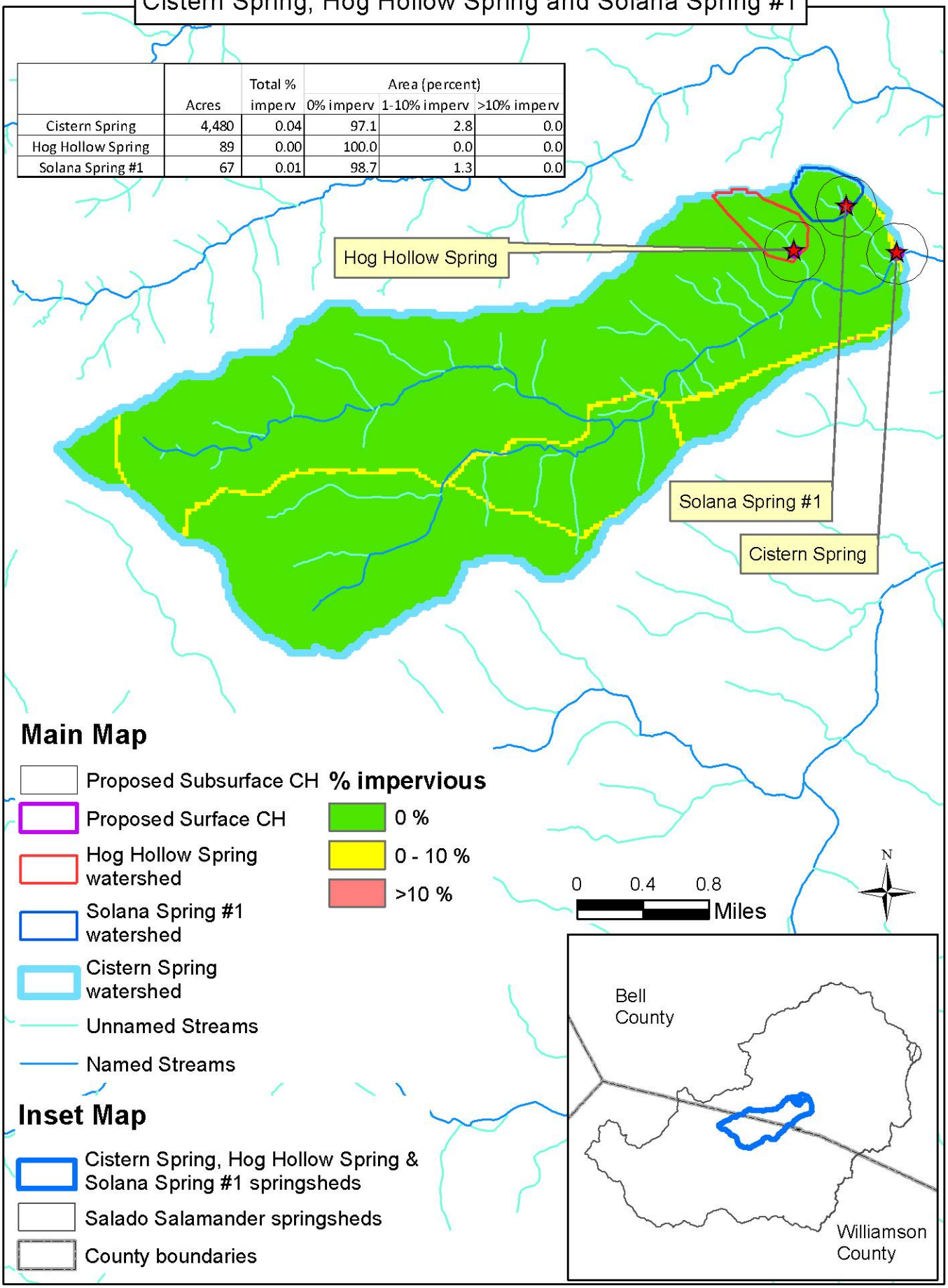
Big Boiling / Lil' Bubbly, Happy Days Fish Farm and Roberston Spring

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Big Boiling Spring, Lil' Bubbly Spring	86,681	0.41	94.2	4.9	1.0
Happy Days Fish Farm	172	6.42	32.0	47.2	20.9
Robertson Spring	86,500	0.38	94.3	4.8	0.9



	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Big Boiling Spring, Lil' Bubbly Spring	86,681	0.41	94.2	4.9	1.0
Happy Days Fish Farm	172	6.42	32.0	47.2	20.9
Robertson Spring	86,500	0.38	94.3	4.8	0.9



Cistern Spring, Hog Hollow Spring and Solana Spring #1

	Acres	Total % imperv	Area (percent) 0% imperv	1-10% imperv	>10% imperv
Cistern Spring	4,480	0.04	97.1	2.8	0.0
Hog Hollow Spring	89	0.00	100.0	0.0	0.0
Solana Spring #1	67	0.01	98.7	1.3	0.0