SEWALL
JAMES W. SEWALL COMPANY / *Since 1880*

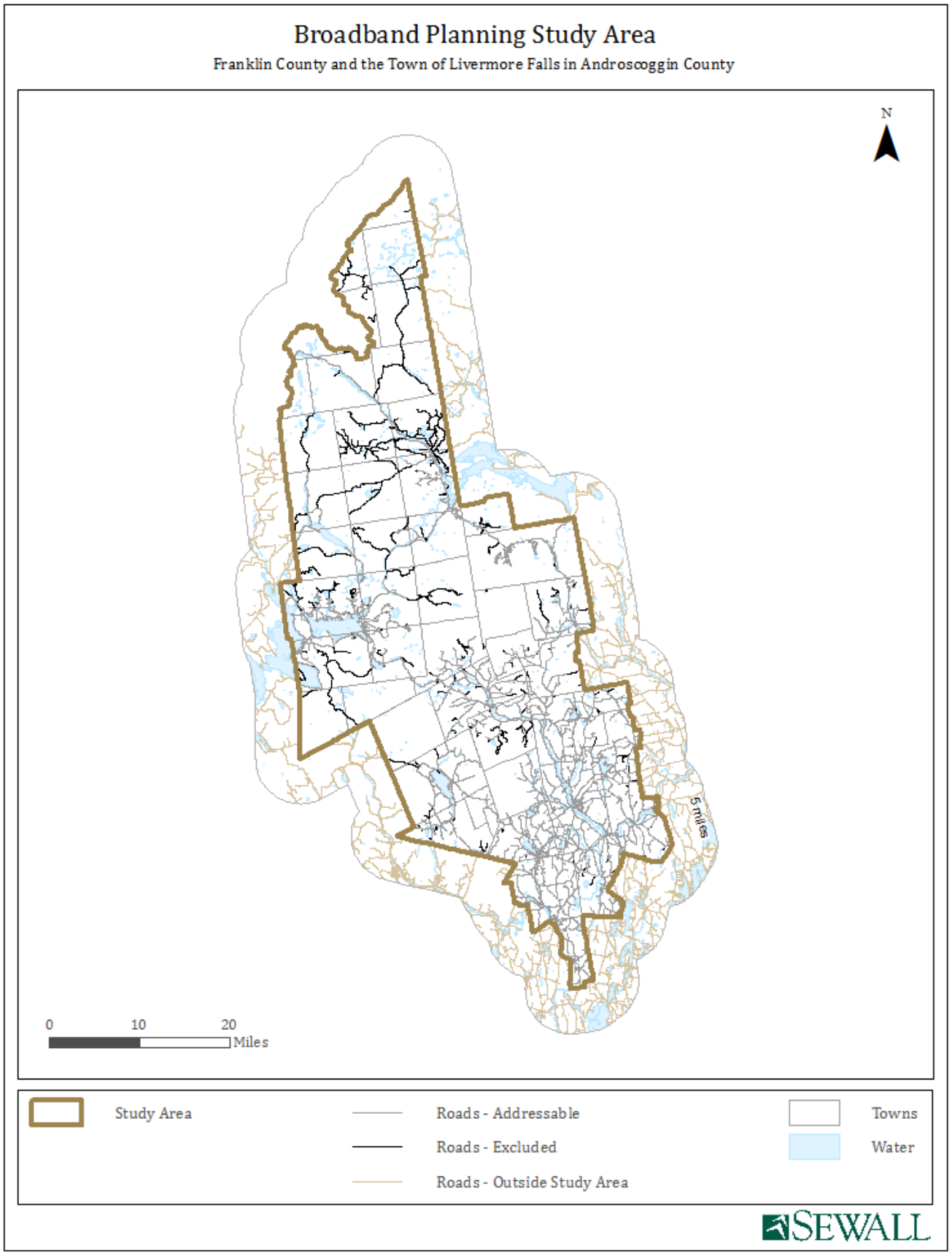
Appendix C – Reports by Municipality

C-1 Study Area

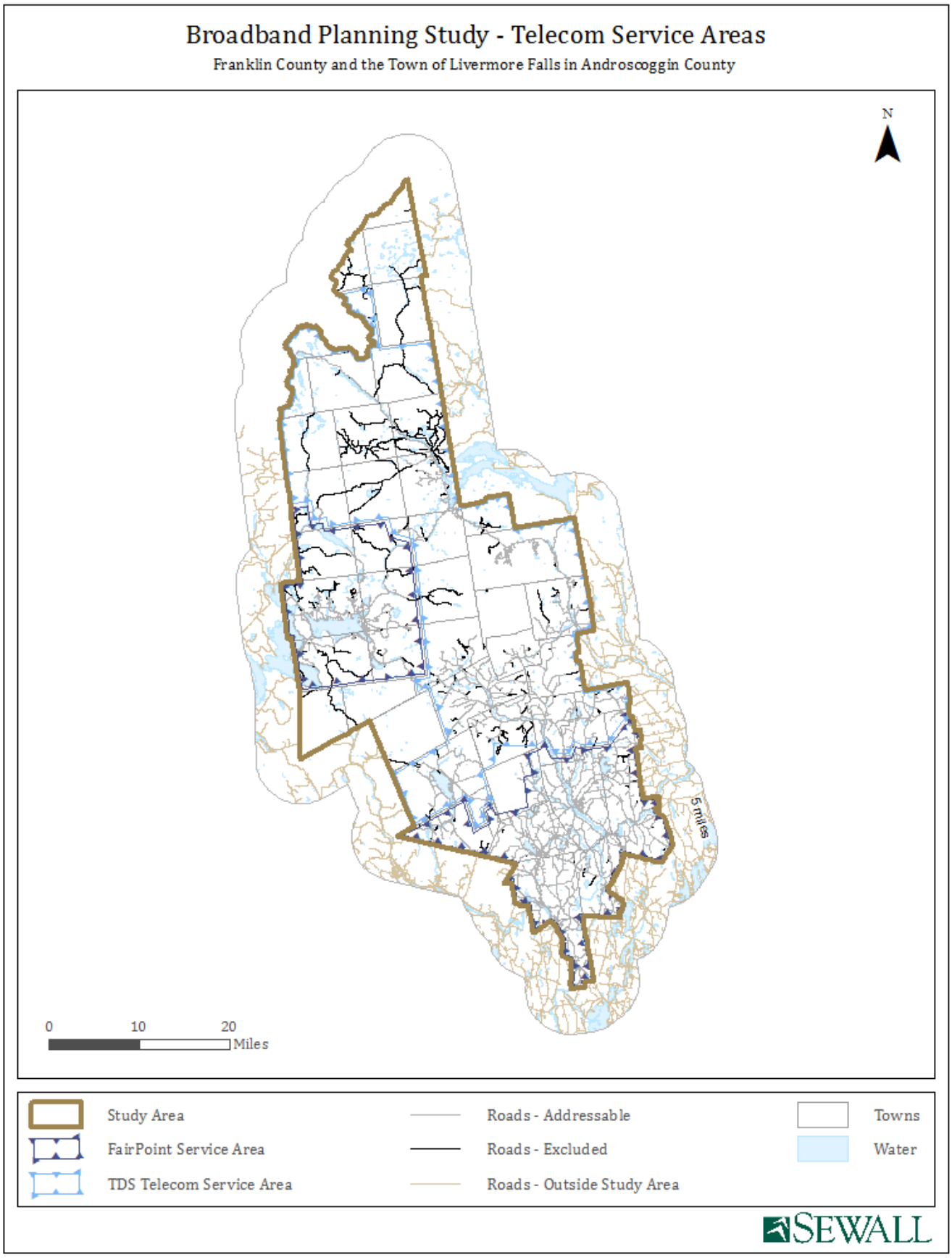
On the following page are the costs for the entire study area, followed by the maps.

Entire Study Area			
Statistical Data	**Cost**	**Unit**	**Study Area Totals**
911 Addresses			**22,824**
Total Road Mileage			**1,637**
Phone Fiber Mileage			**336**
Hybrid Fiber/Coax Mileage			**451**
1G/1G FTTP Gap Miles	$40,000	mile	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	**22,500**
Potential Subscribers per mile			***17***
Total Cost			**$69,872,775**
Per Potential Subscriber			***$3,105***
Per Mile			*$51,640*
10M/10M Gap Miles	$35,000	mile	**900**
10M/10M Gap 911 Addresses	$ 350	sub	**8,351**
Potential Subscribers per mile			***9***
Total Cost			**$34,438,469**
Per Potential Subscriber			***$4,124***
Per Mile			*$38,246*
Potential private investment			$15,969,618
Potential public subsidy			$18,468,851
25M/3M Gap Miles			**650**
25M/3M Gap 911 Addresses			**4,931**
25M/3M New RT Quantity	$25,000		**270**
25M/3M New Fiber Miles	$25,000		**182**
Potential Subscribers per mile			***8***
Total Cost			$11,305,524
Per Potential Subscriber			*$2,293*
Potential private investment			$4,286,572
Potential public subsidy			$7,018,952
10M/1M Gap Miles			**407**
10M/1M Gap 911 Addresses			**2,925**
10M/1M New RT Quantity	$25,000		**93**
10M/1M New Fiber Miles	$25,000		**74**
Potential Subscribers per mile			***7***
Total Cost			$4,167,973
Per Potential Subscriber			*$1,425*
Potential private investment			$1,497,587
Potential public subsidy			$2,670,386
CAF-II Funded Locations			**2,429**
A-CAM Funded Locations			**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$2,025,000
Open-Access Dark Fiber Operating Expense			
Pole / Conduit rental	$20	pole	$893,026
Insurance	$185	mile	$250,000
OSP Restoration & Maintenance	$200	mile	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$281,250
Administration	$30	sub	$337,500
Total Operating Expense			**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($7,390)**

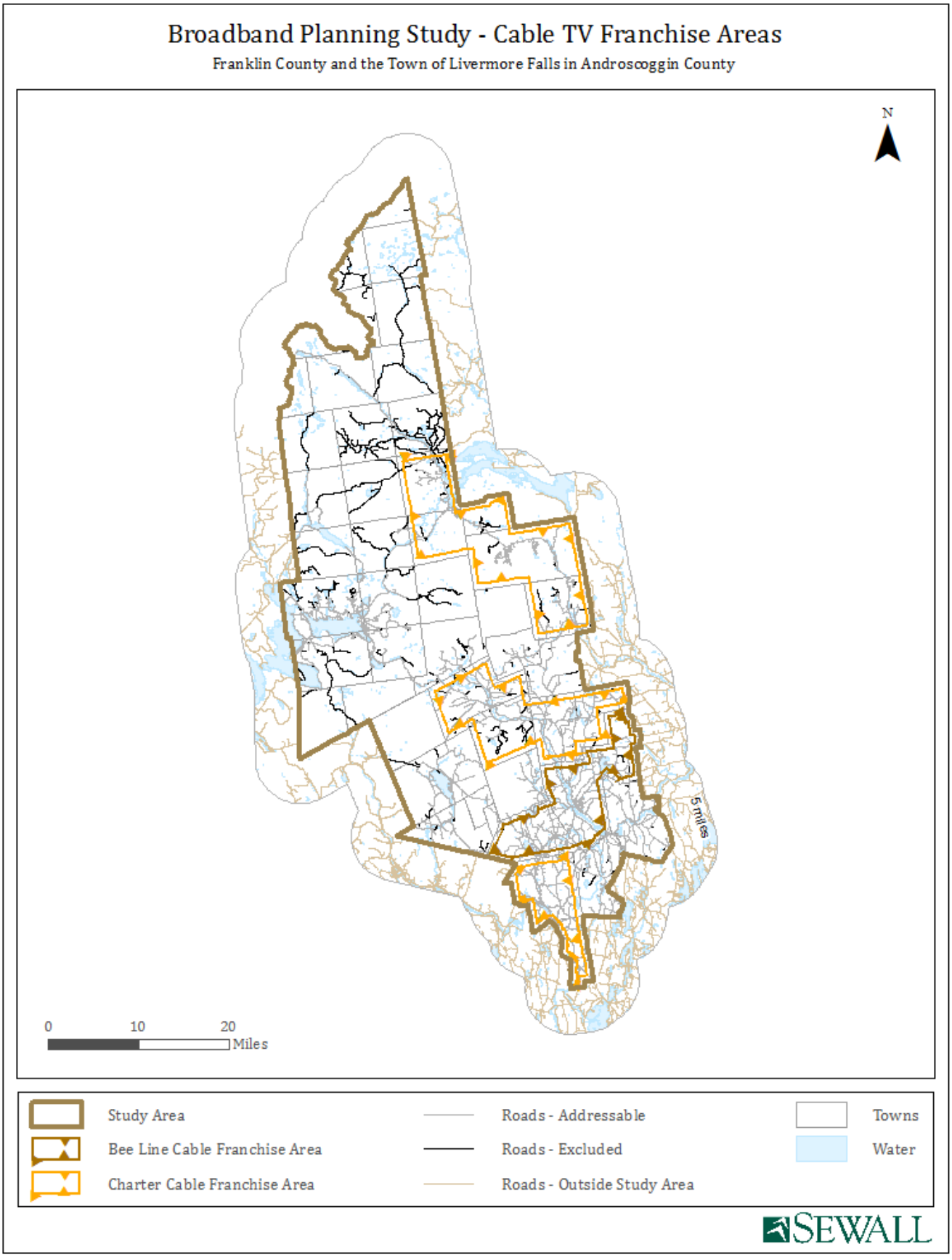
Study Area Map A



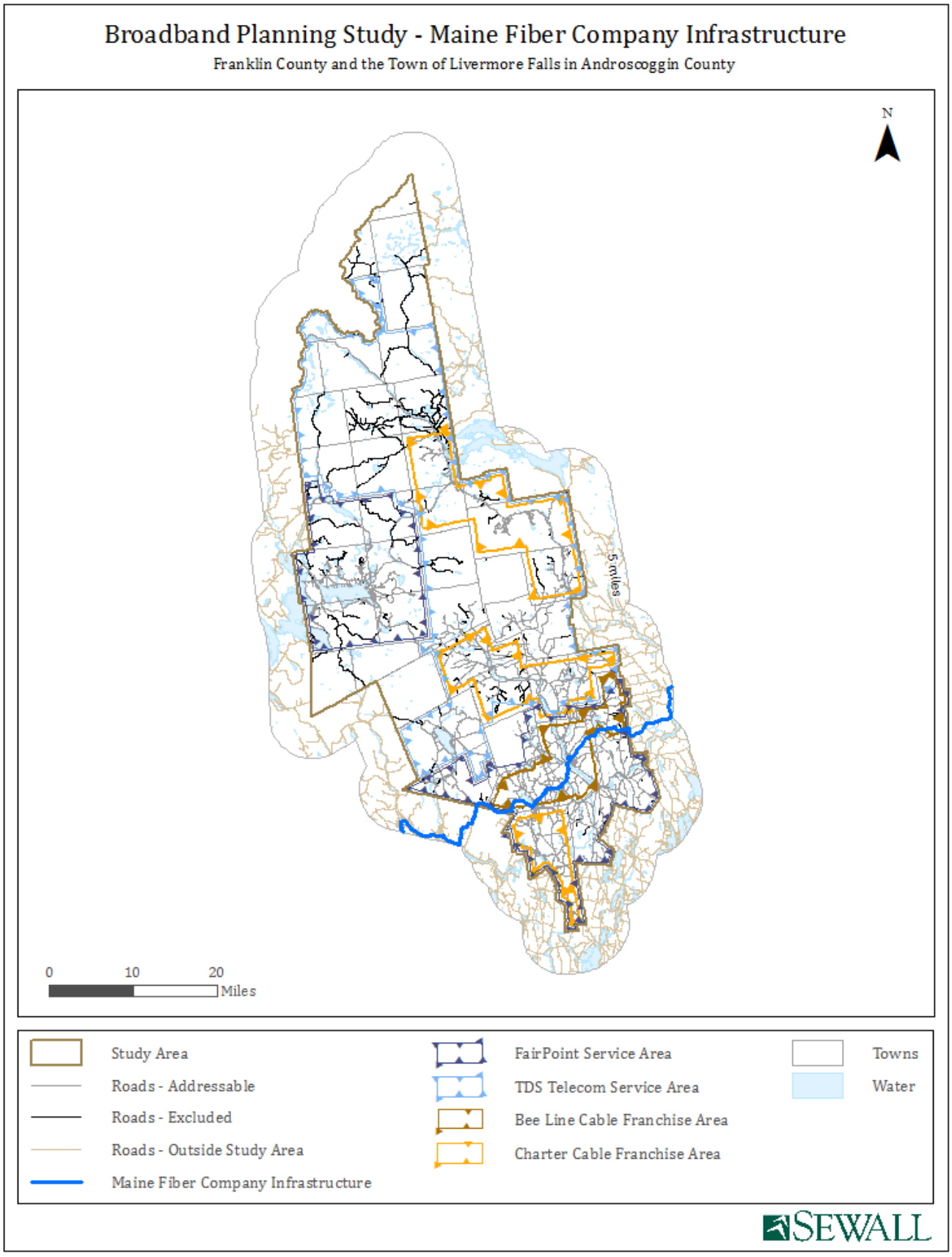
Study Area Telecom Service Areas Map B



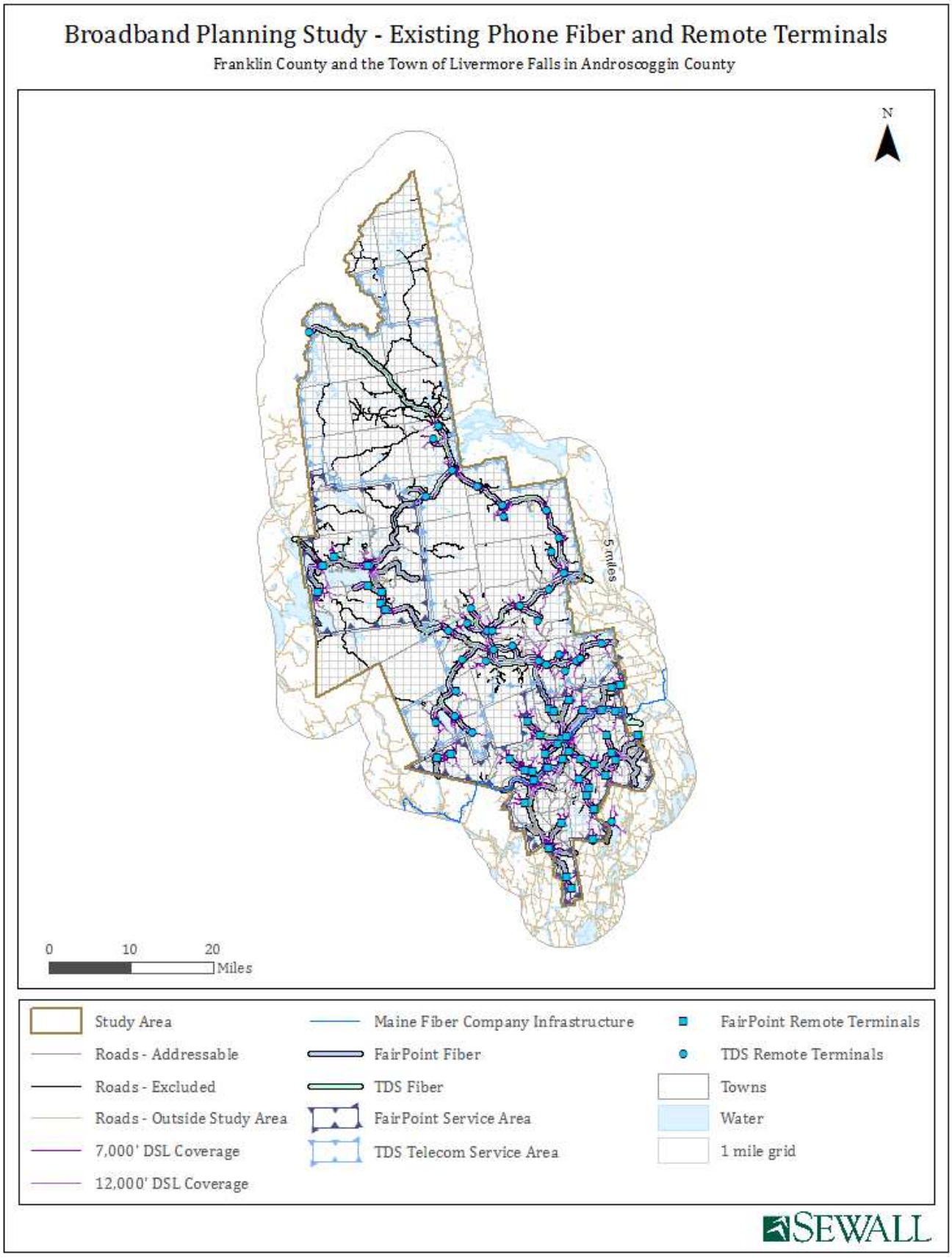
Study Area Cable TV Franchise Areas Map C



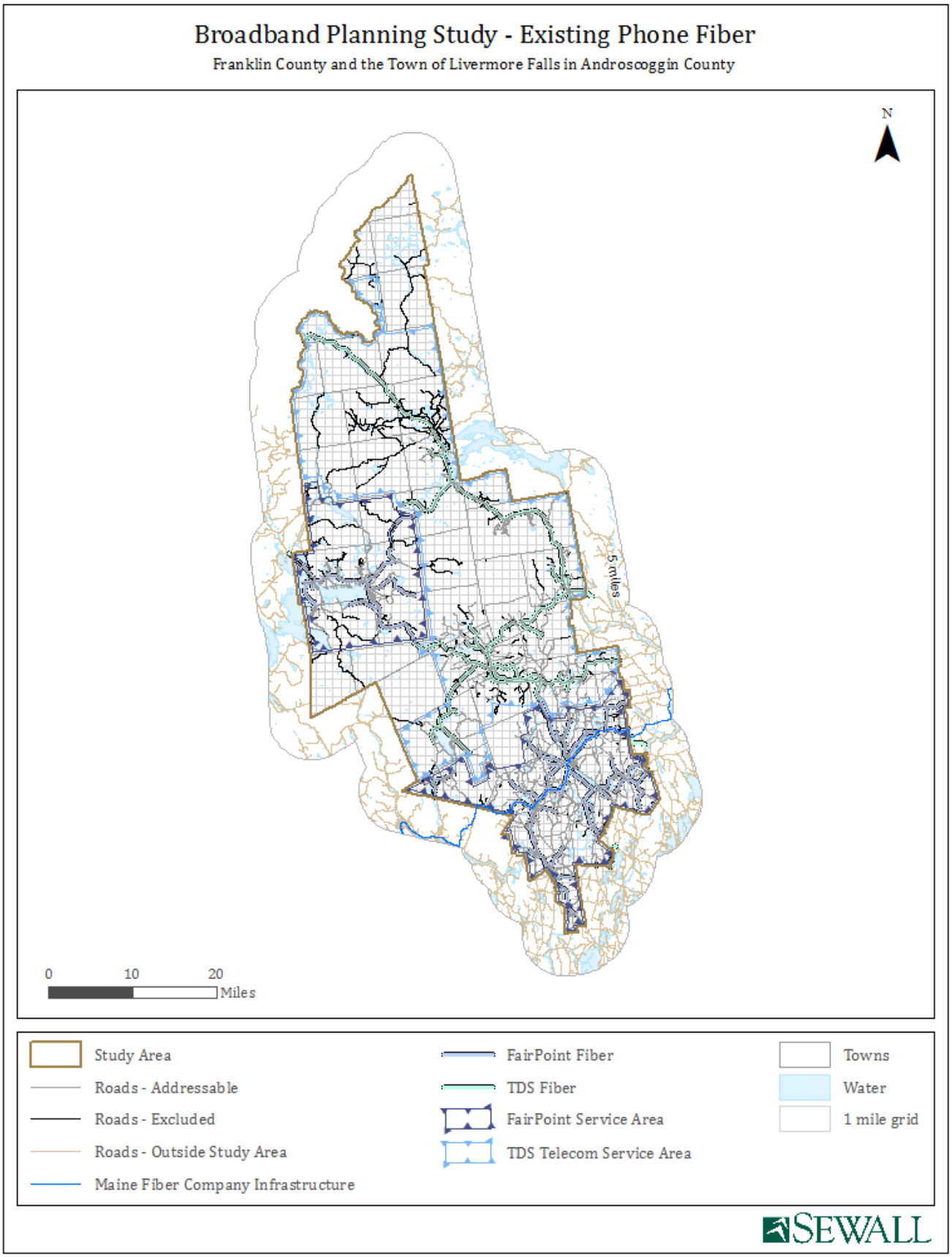
Study Area Maine Fiber Company Infrastructure Map D



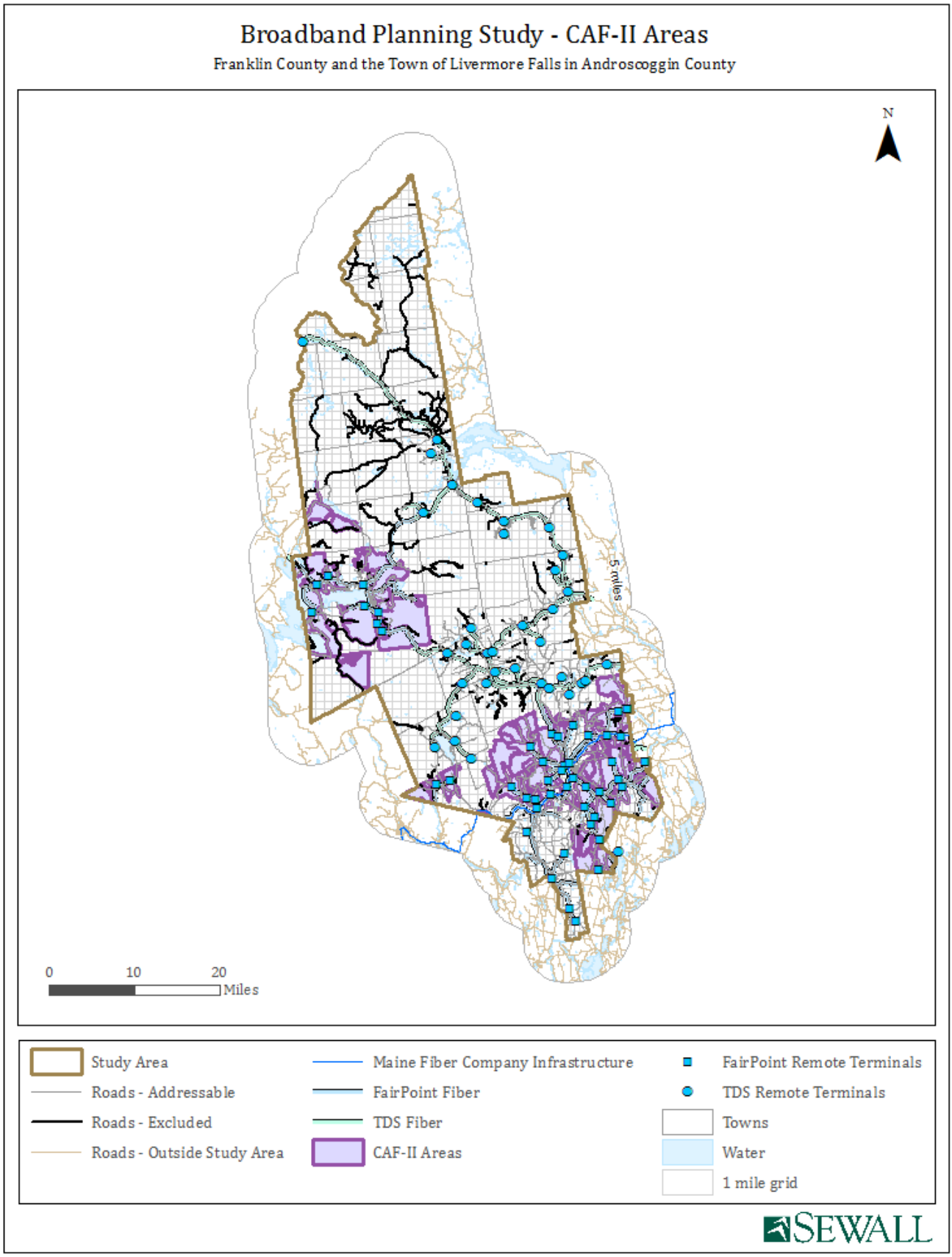
Study Area Existing Phone Fiber & Remote Terminals Map 1



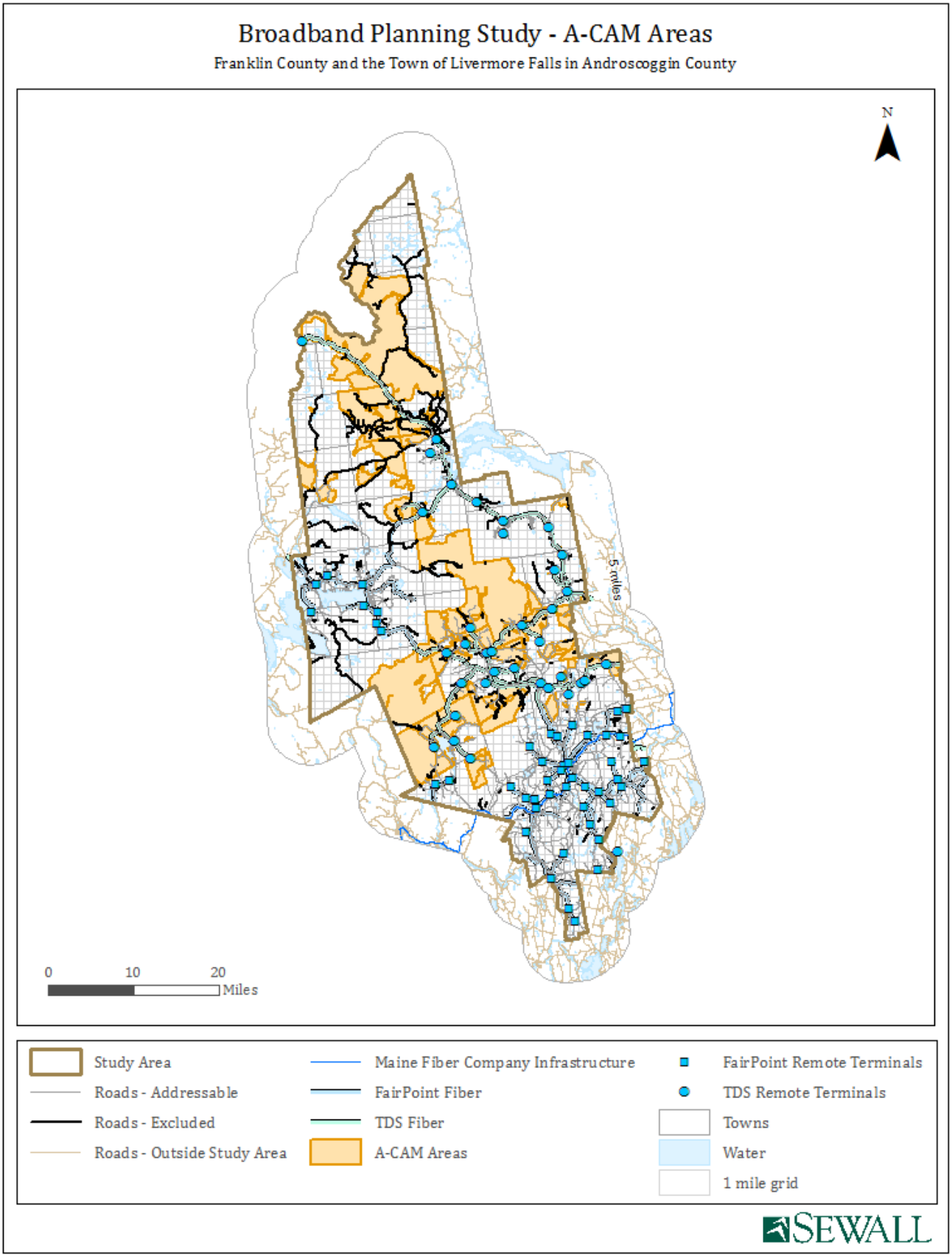
Study Area Existing Phone Fiber Map 2



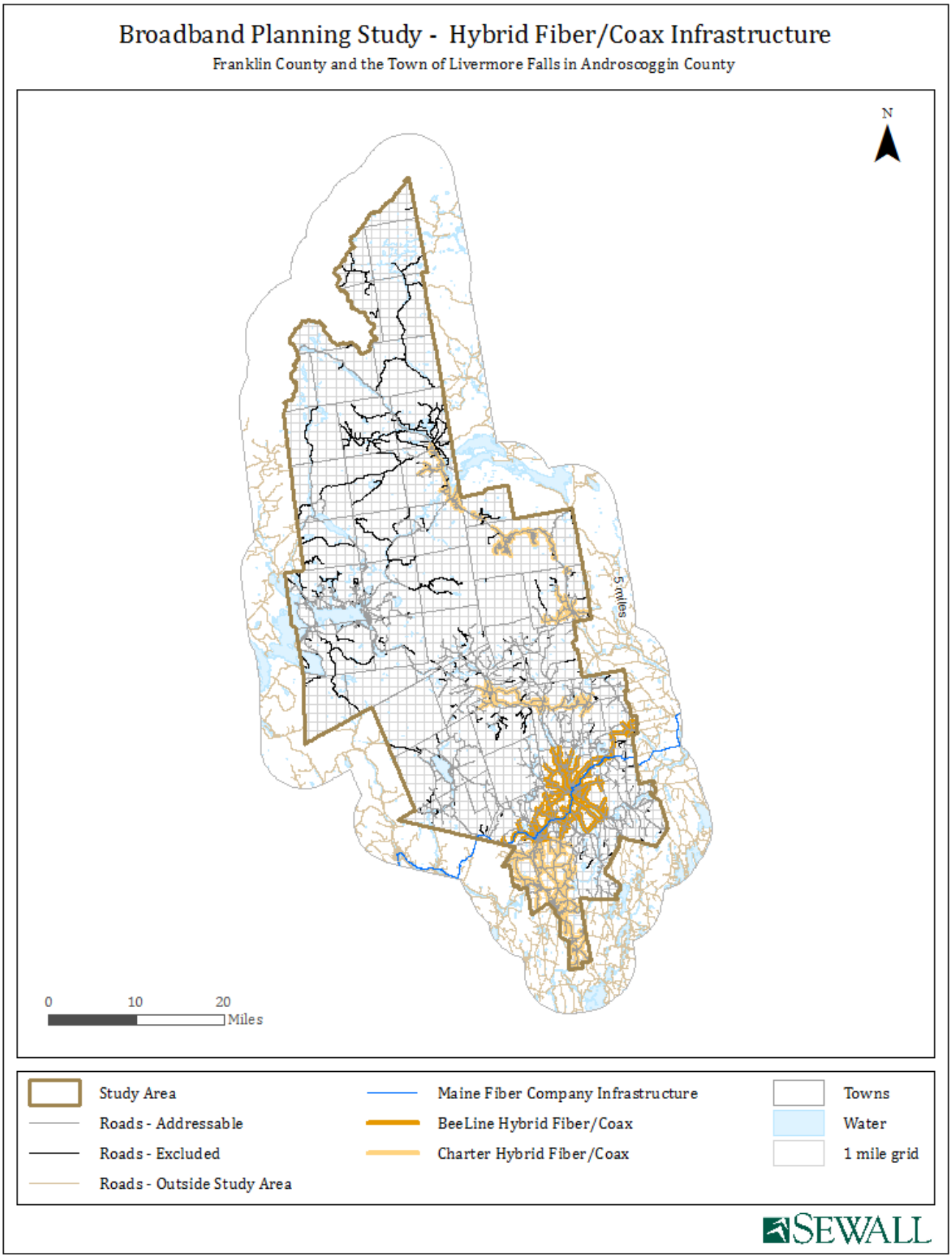
Study Area CAF-II Map 3



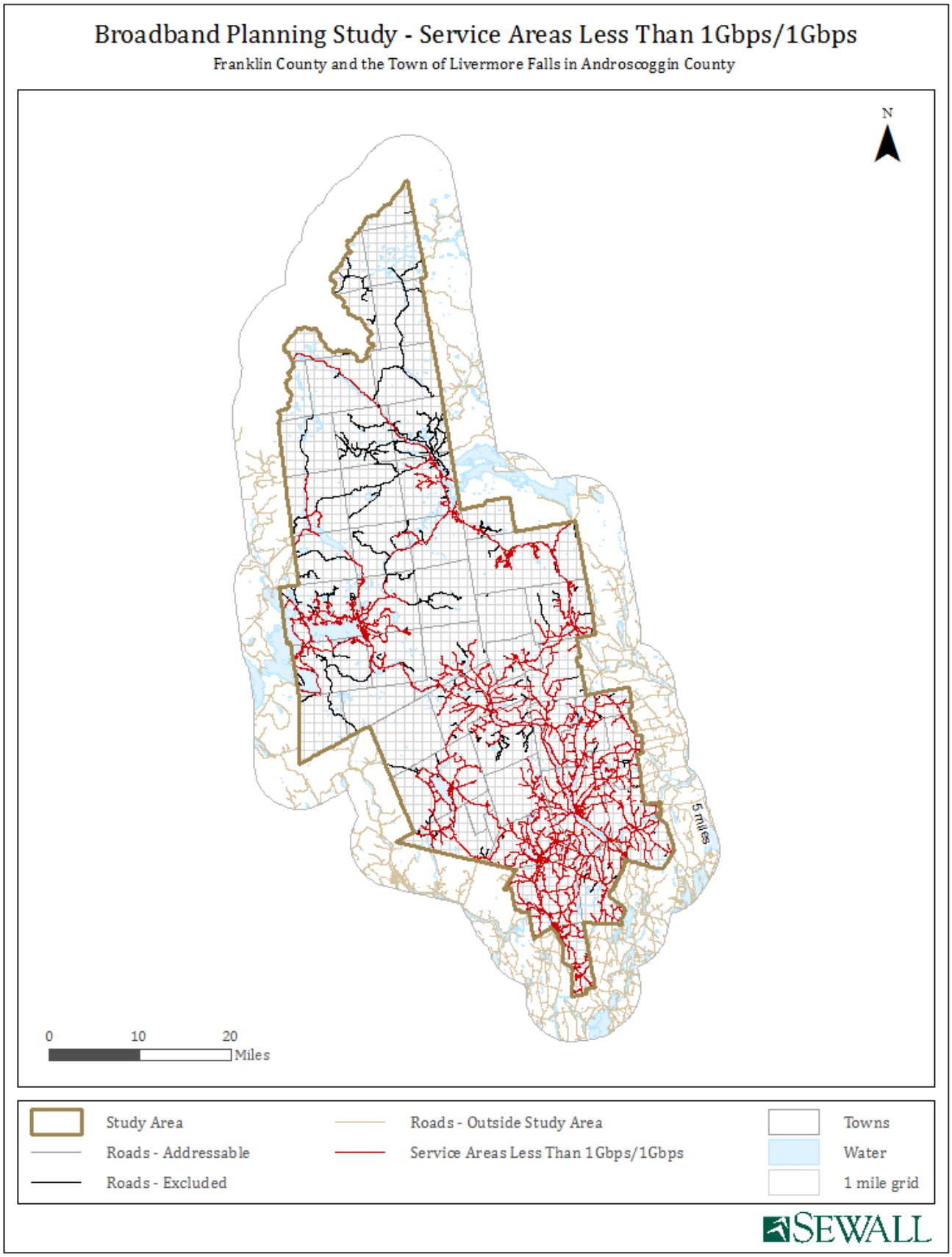
Study Area A-CAM Map 4



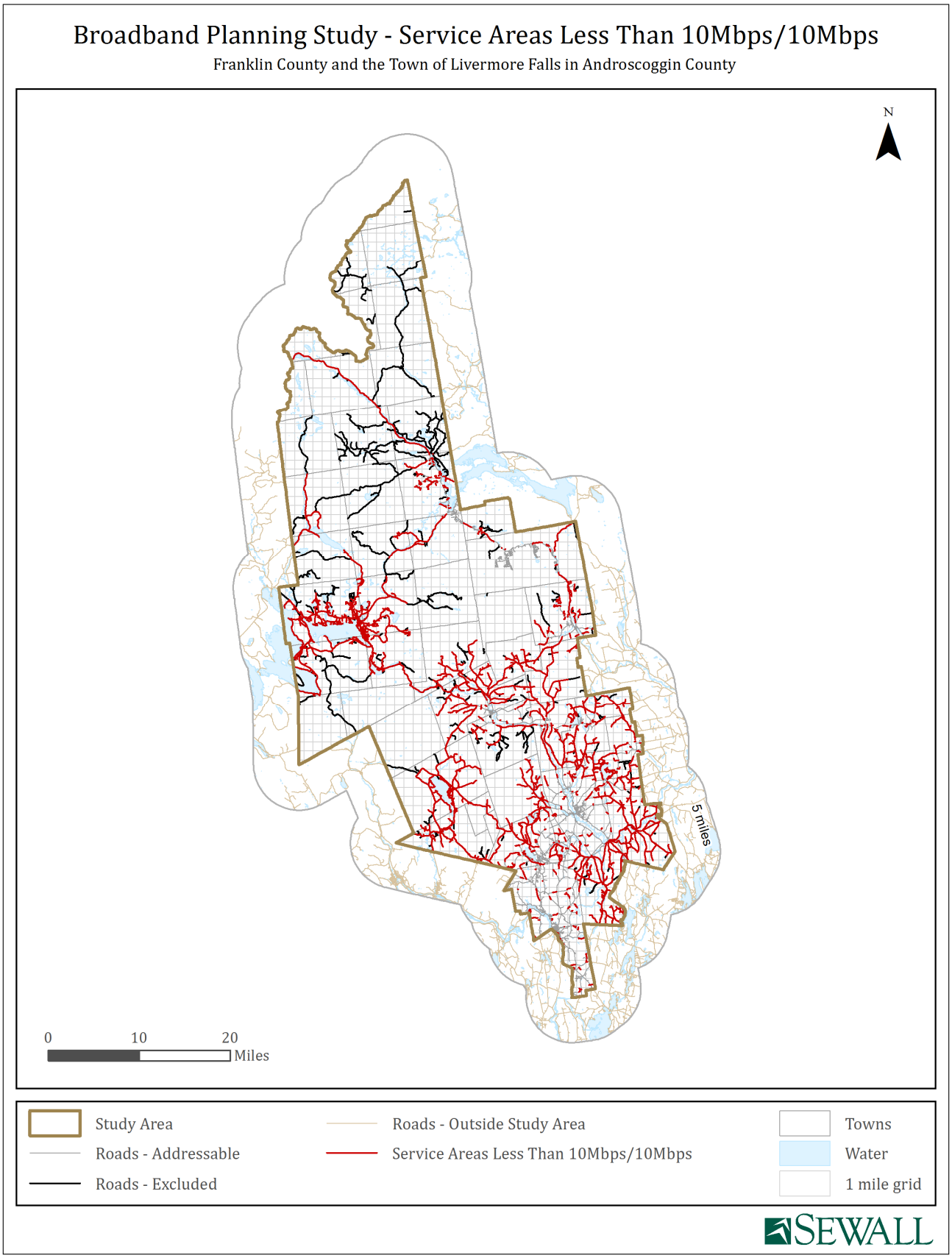
Study Area Hybrid Fiber/Coax Infrastructure Map 5



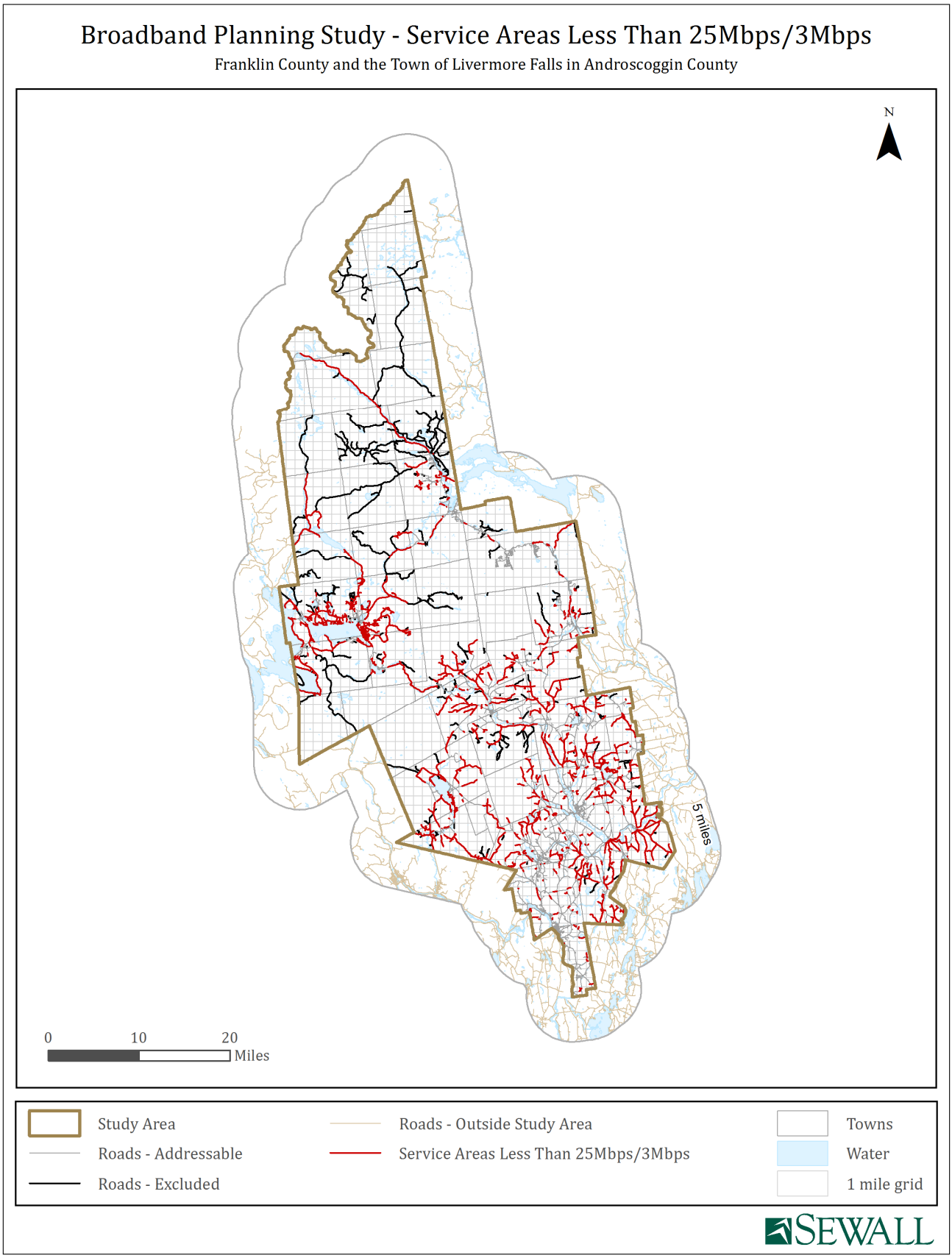
Study Area Service Areas less than 1 Gbps/1 Gbps Map 6



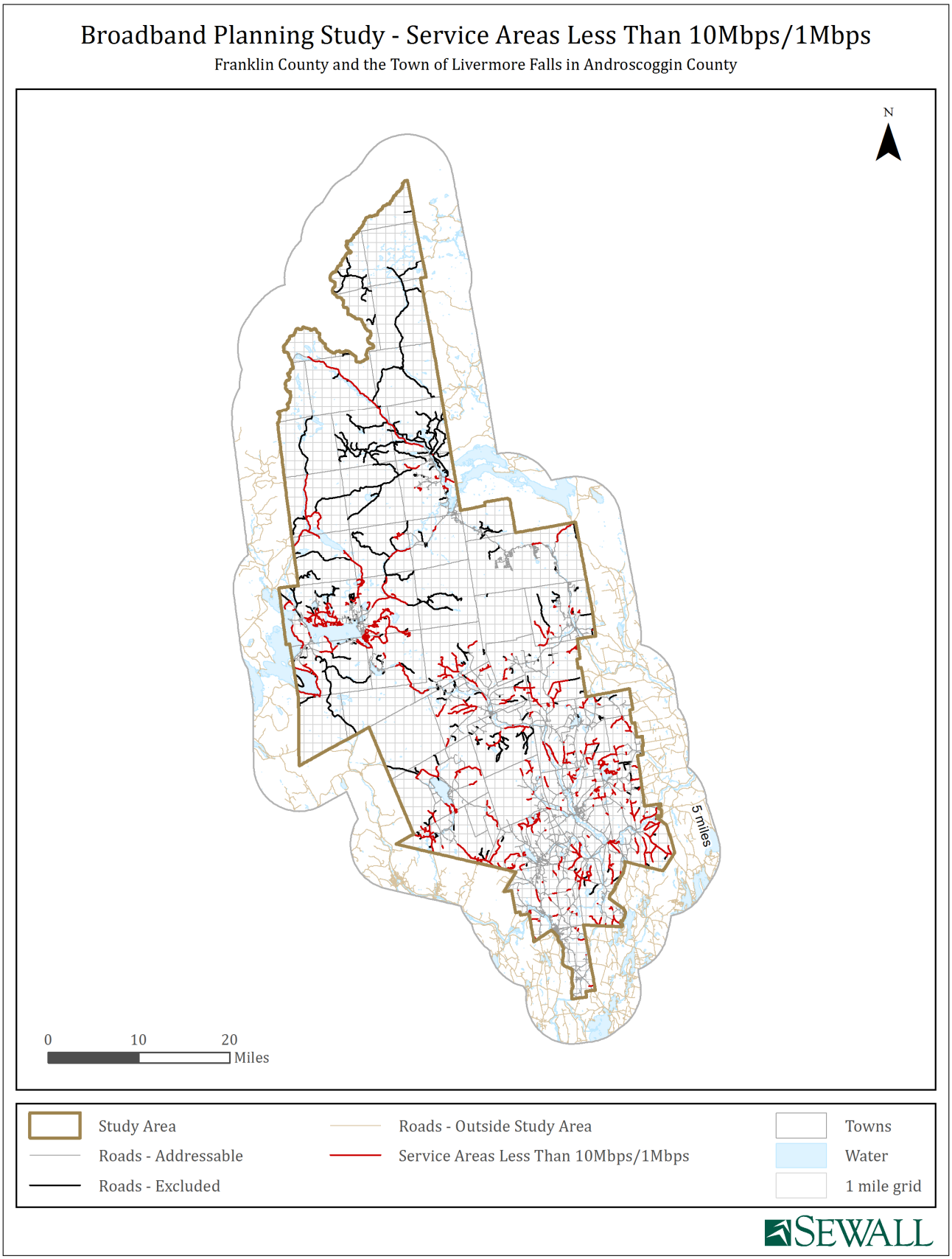
Study Area Service Areas less than 10 Mbps/10 Mbps Map 7



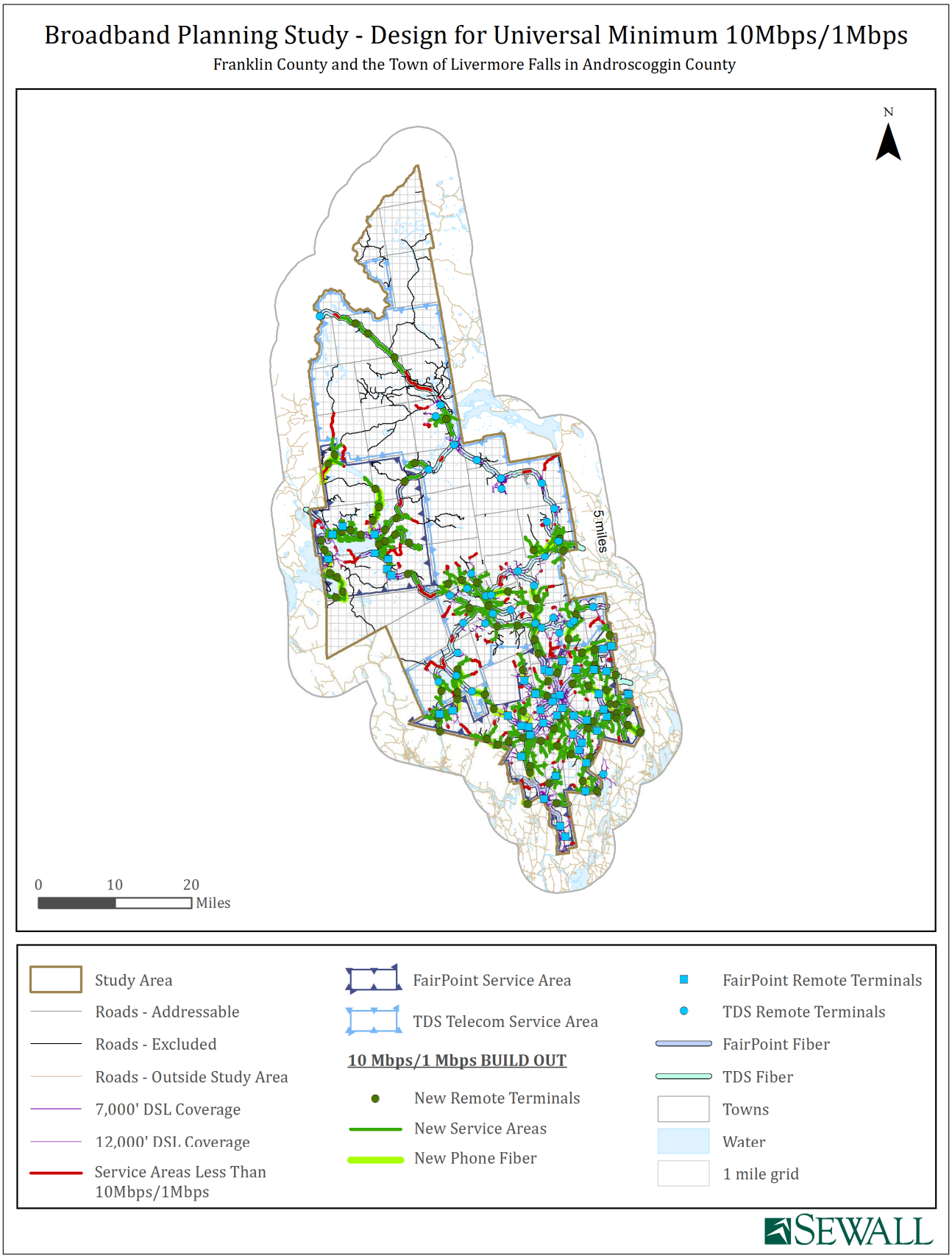
Study Area Service Areas less than 25 Mbps/3 Mbps Map 8



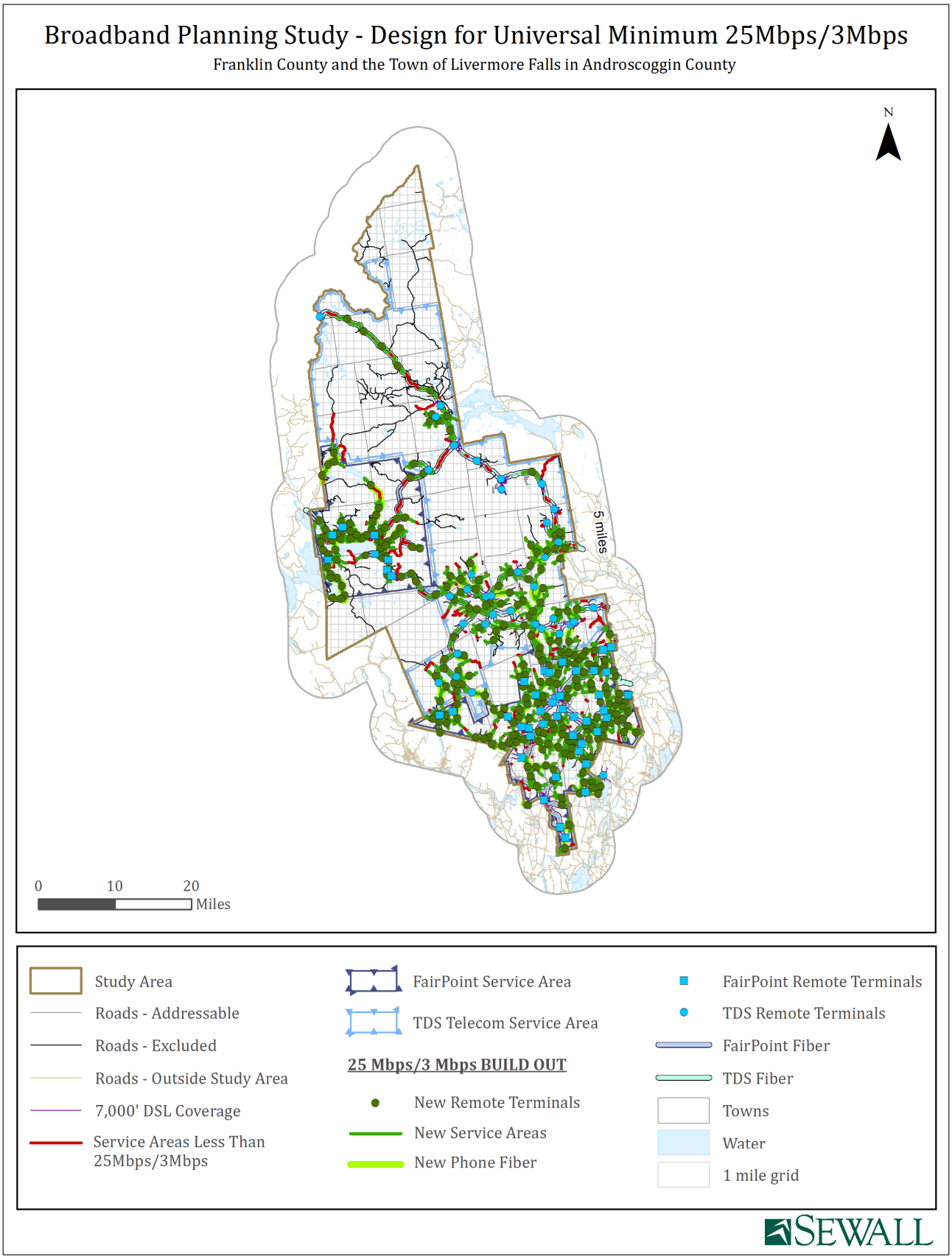
Study Area Service Areas less than 10 Mbps/1 Mbps Map 9



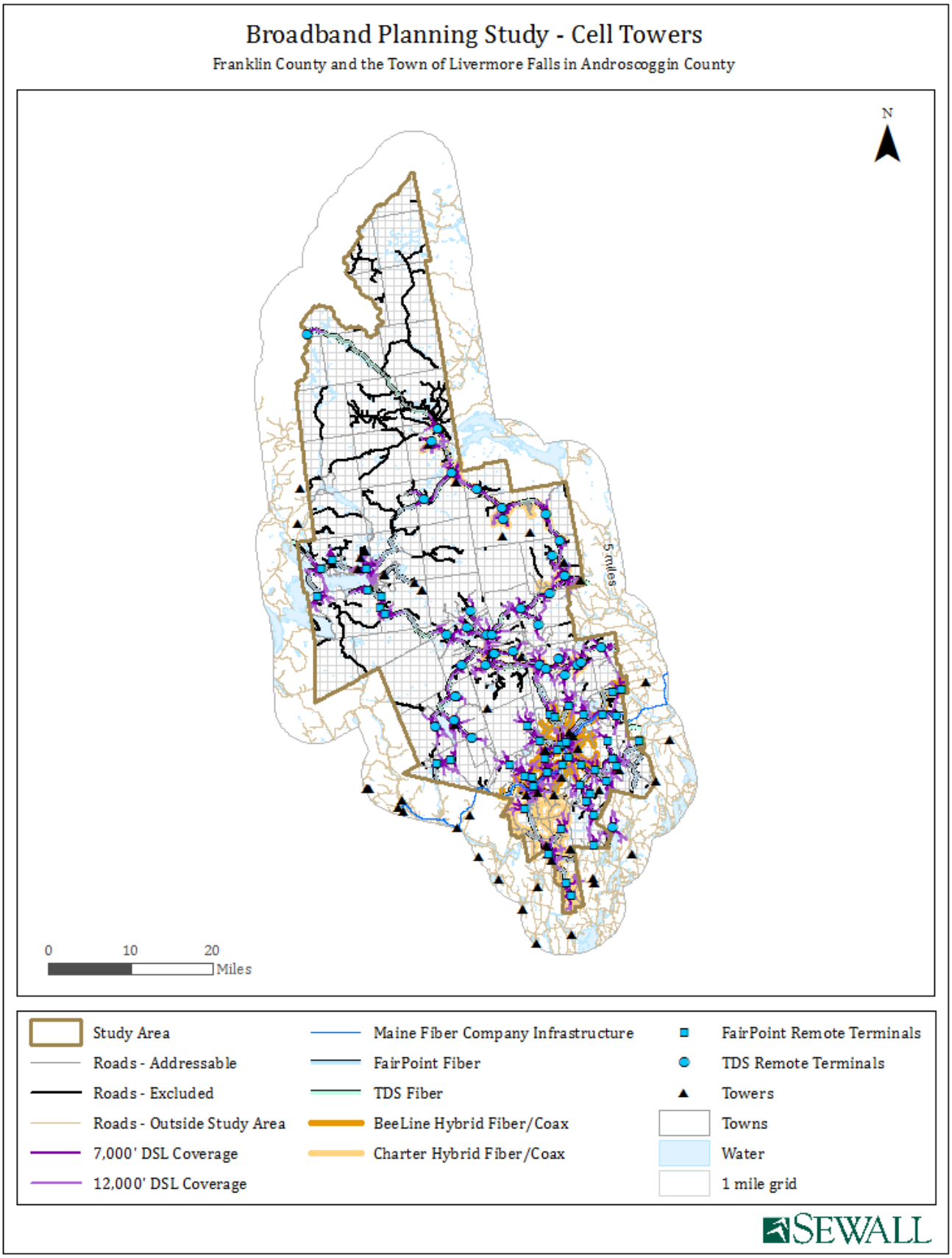
Study Area Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Study Area Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Study Area Cell Towers Map 12



C-2 Alder Stream Twp

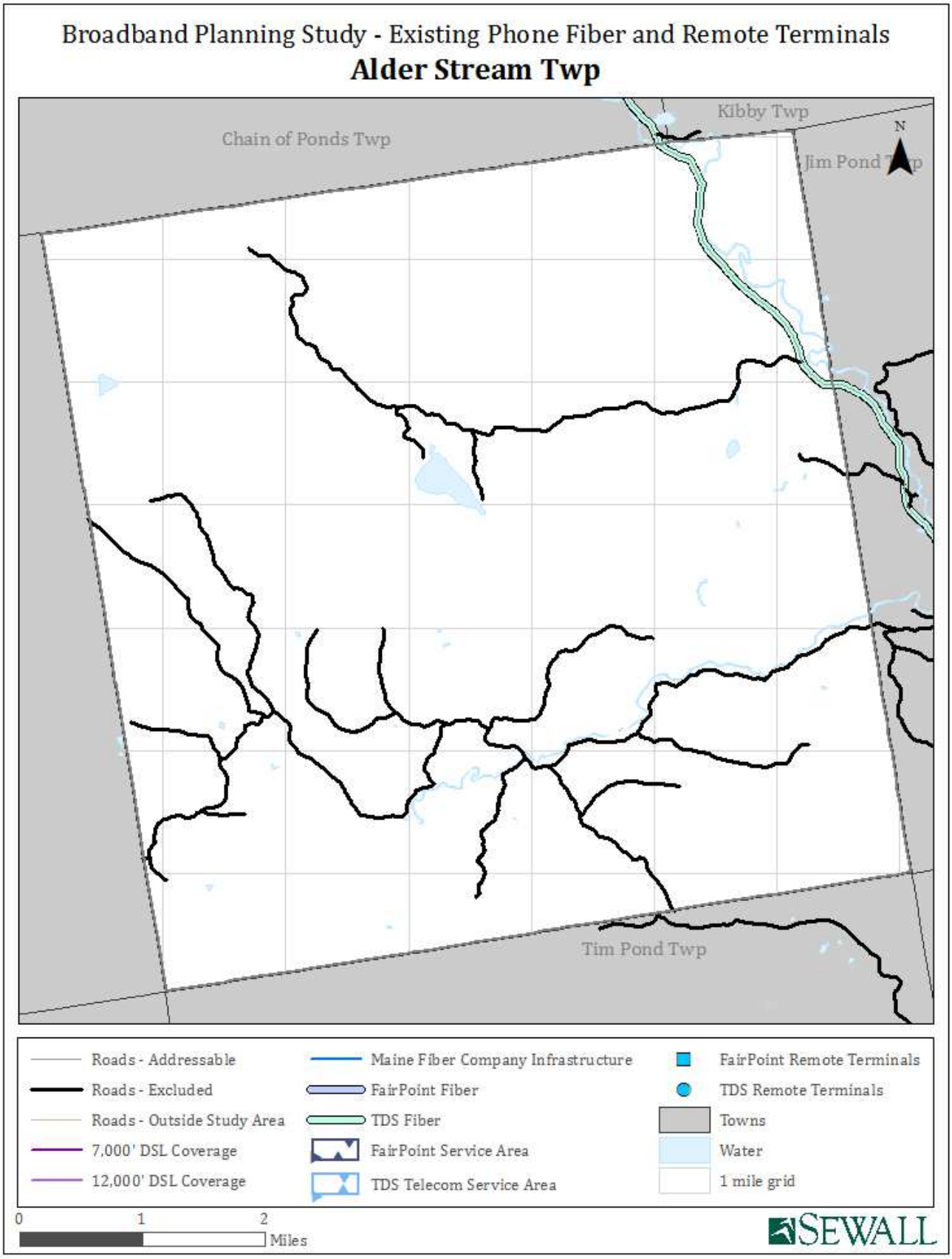
Special Considerations

Due to the lack of commercial electric service in the majority of Alder Stream Township, we have only included deployment of service along the Route 27 corridor between Jim Pond Township and Chain of Ponds Township.

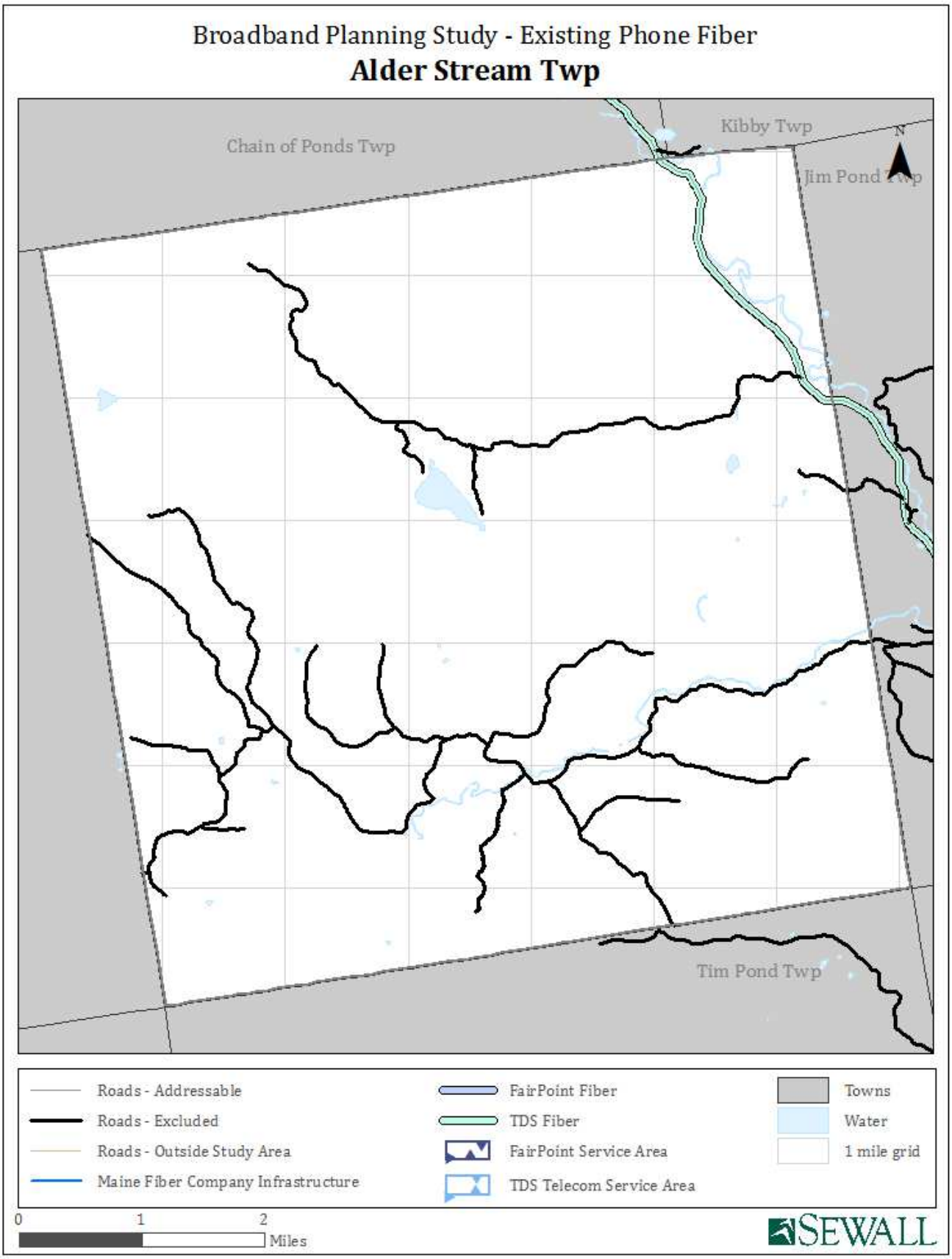
In order to provide connectivity, Alder Stream Township will be reliant upon the extension of infrastructure from Jim Pond Township.

Alder Stream Township				
Statistical Data	**Cost**	**Unit**	**Alder Stream Twp**	**Study Area Totals**
911 Addresses			40	**22,824**
Total Road Mileage			35.4	**1,637**
Phone Fiber Mileage			2.6	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	2.6	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	21	**22,500**
Potential Subscribers per mile			*8*	***17***
Total Cost			**$119,848**	**$69,872,775**
Per Potential Subscriber			*$5,707*	***$3,105***
Per Mile			*$45,592*	*$51,640*
10M/10M Gap Miles	$35,000	mile	2.6	**900**
10M/10M Gap 911 Addresses	$ 350	sub	21	**8,351**
Potential Subscribers per mile			*8*	***9***
Total Cost			**$99,355**	**$34,438,469**
Per Potential Subscriber			*$4,731*	***$4,124***
Per Mile			*$37,796*	*$38,246*
Potential private investment			$39,686	$15,969,618
Potential public subsidy			$59,669	$18,468,851
25M/3M Gap Miles			2.6	**650**
25M/3M Gap 911 Addresses			21	**4,931**
25M/3M New RT Quantity	$25,000		1	**270**
25M/3M New Fiber Miles	$25,000		-	**182**
Potential Subscribers per mile			*8*	***8***
Total Cost			$25,000	$11,305,524
Per Potential Subscriber			*$1,190*	*$2,293*
Potential private investment			$9,986	$4,286,572
Potential public subsidy			$15,014	$7,018,952
10M/1M Gap Miles			2.6	**407**
10M/1M Gap 911 Addresses			21	**2,925**
10M/1M New RT Quantity	$25,000		1	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			*8*	***7***
Total Cost			$25,000	$4,167,973
Per Potential Subscriber			*$1,190*	*$1,425*
Potential private investment			$9,986	$1,497,587
Potential public subsidy			$15,014	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			95	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$1,890	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$1,735	$893,026
Insurance	$185	mile	$486	$250,000
OSP Restoration & Maintenance	$200	mile	$526	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$263	$281,250
Administration	$30	sub	$315	$337,500
Total Operating Expense			**$3,324**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($1,434)**	**($7,390)**

Alder Stream Twp Existing Phone Fiber & Remote Terminals Map 1

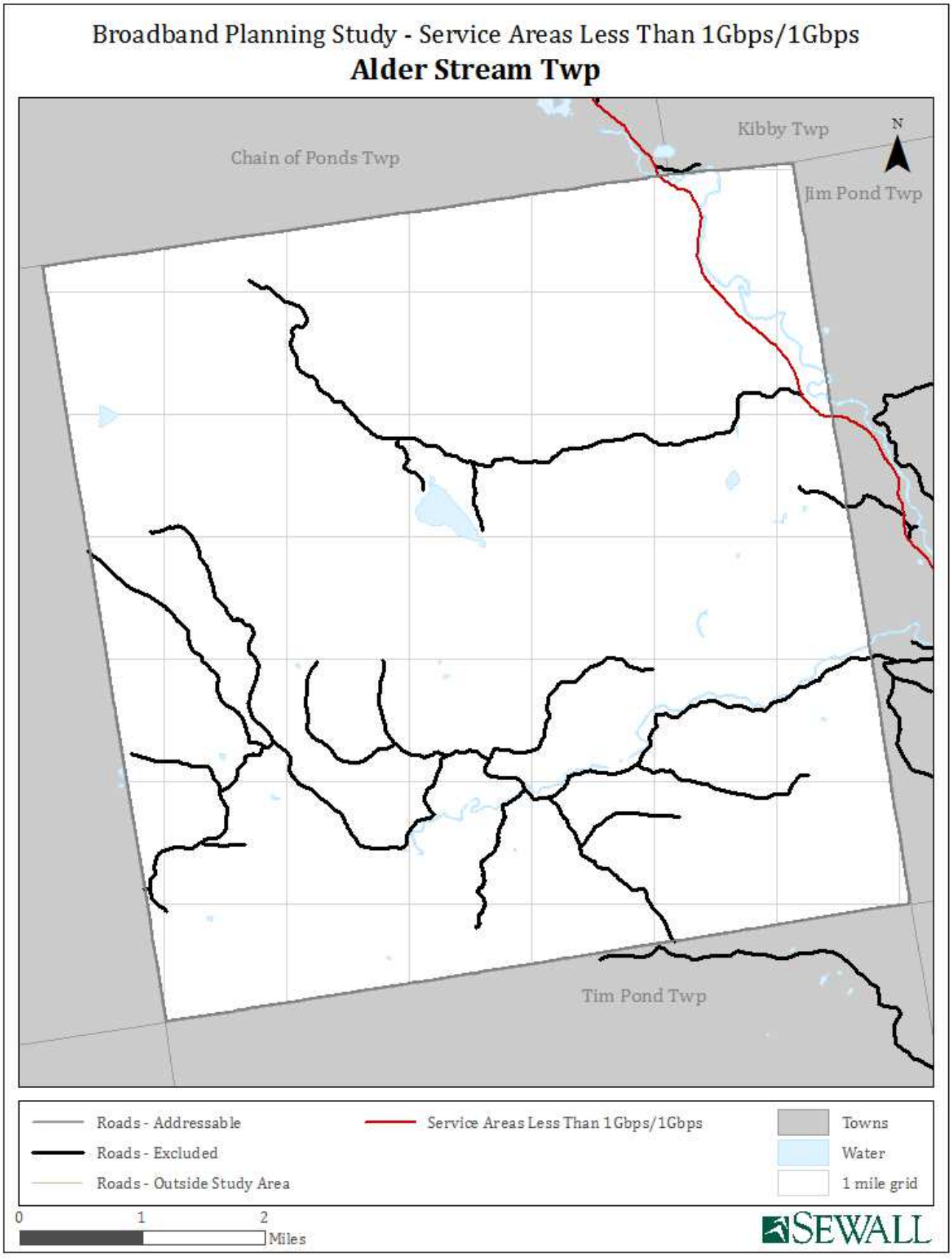


Alder Stream Twp Existing Phone Fiber Map 2

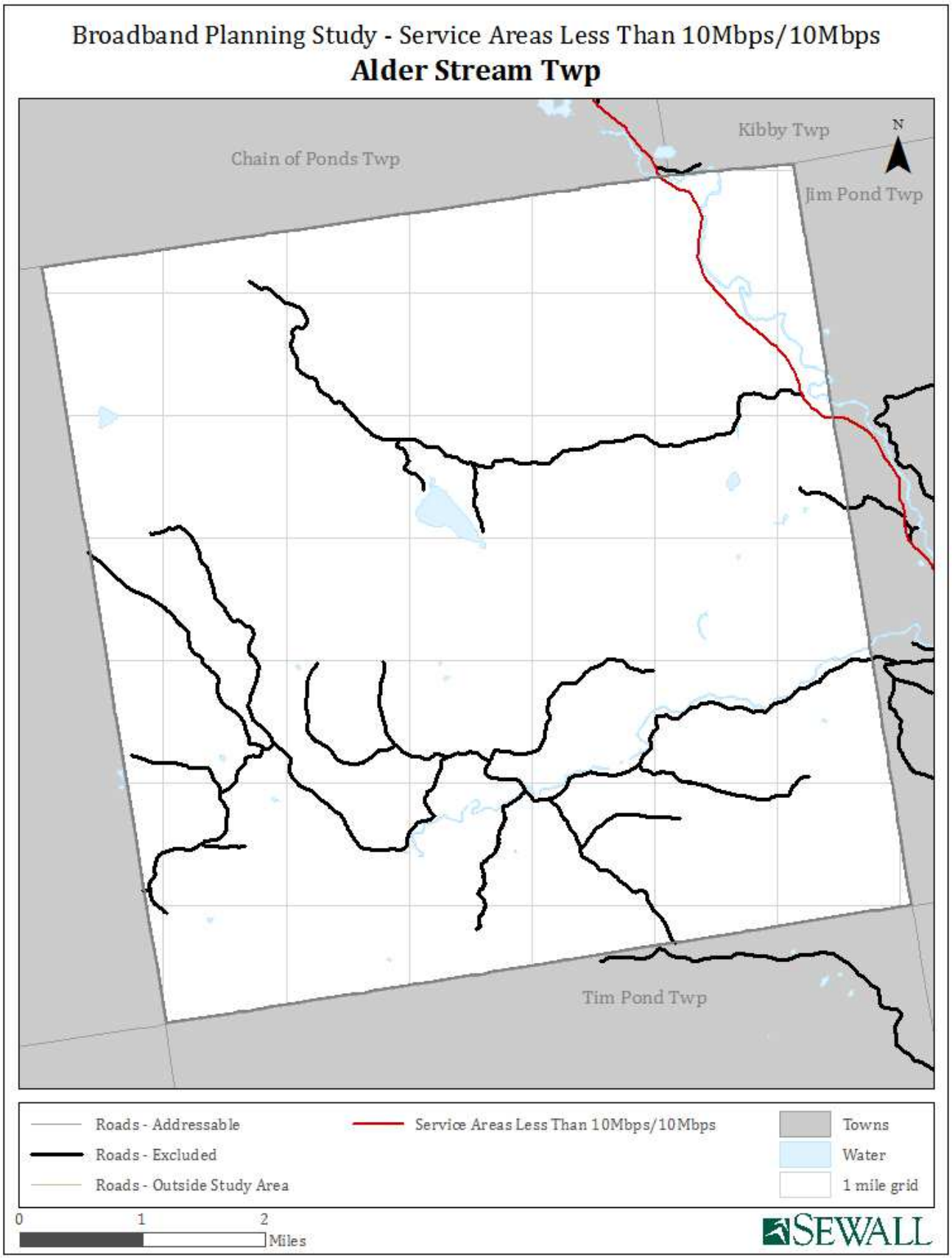


Alder Stream Twp A-CAM Map 4

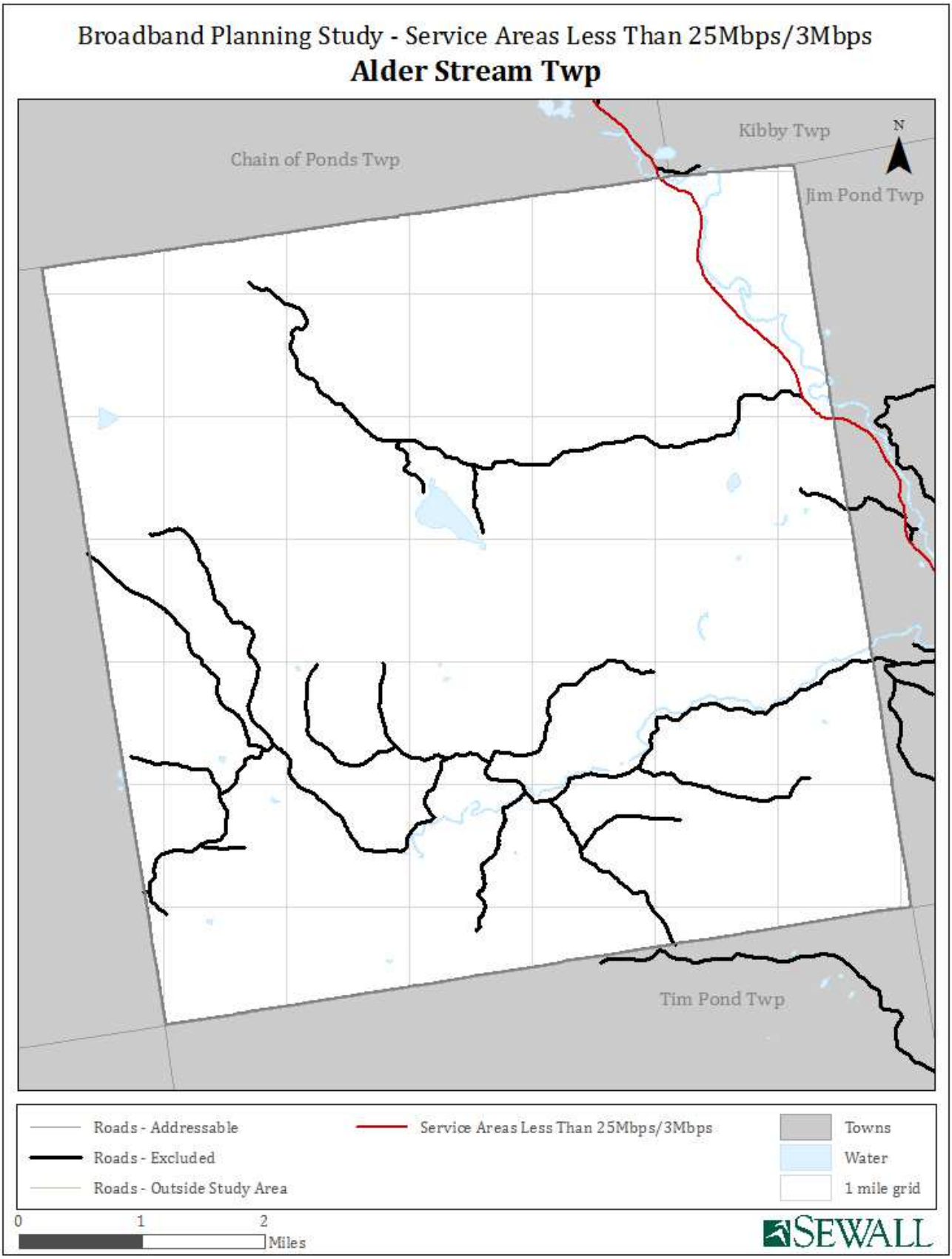
Alder Stream Twp Service Areas less than 1 Gbps/1 Gbps Map 6



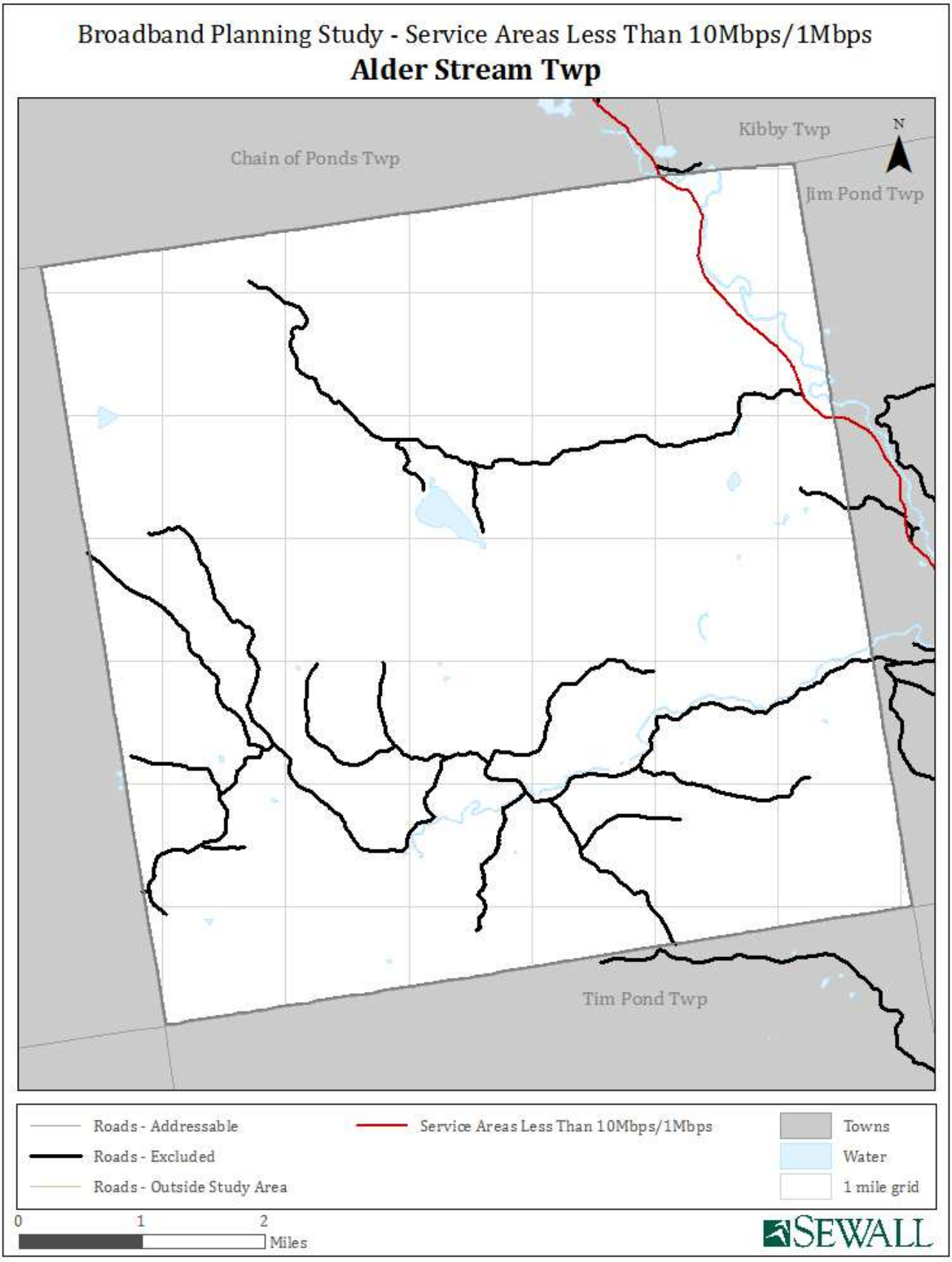
Alder Stream Twp Service Areas less than 10 Mbps/10 Mbps Map 7



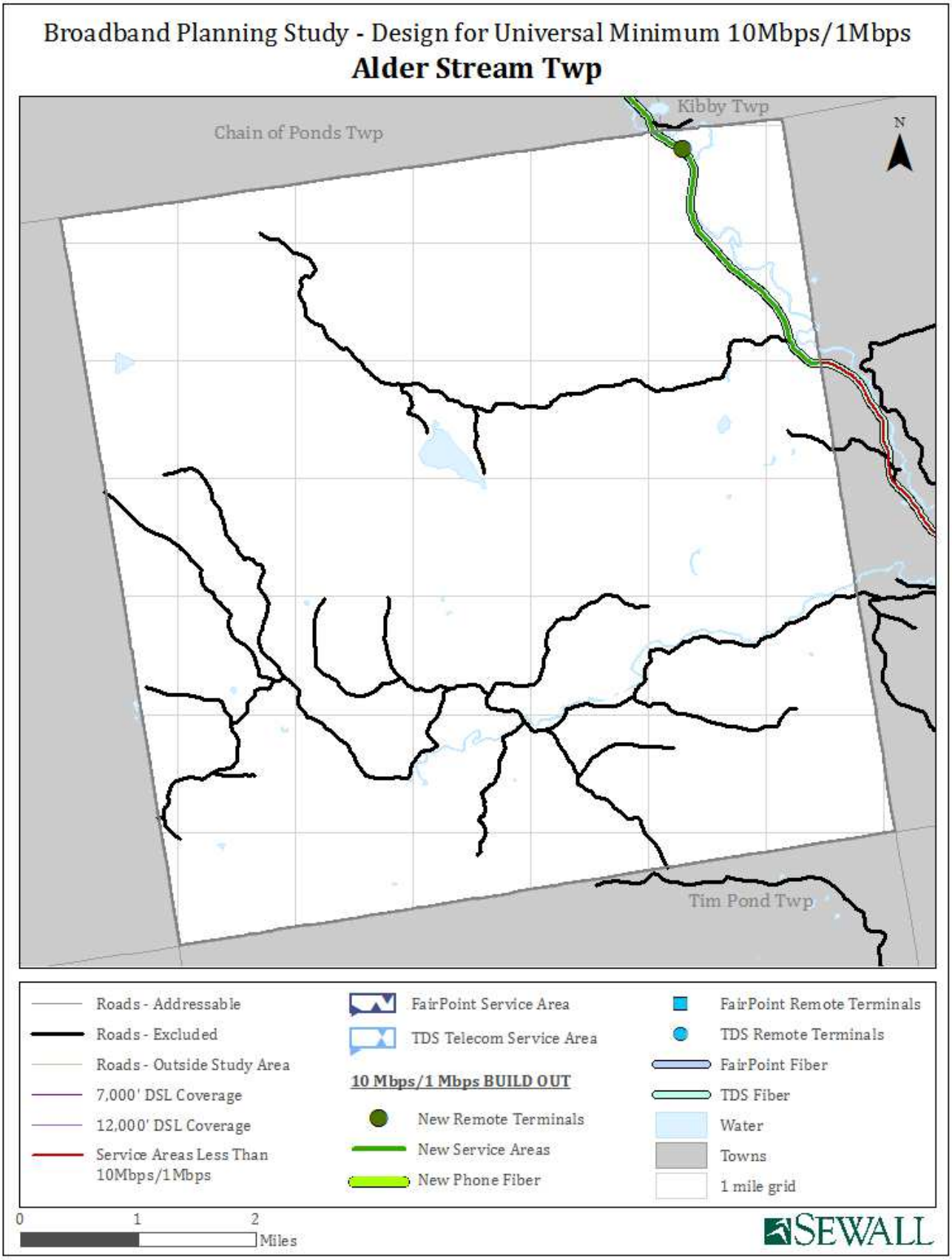
Alder Stream Twp Service Areas less than 25 Mbps/3 Mbps Map 8



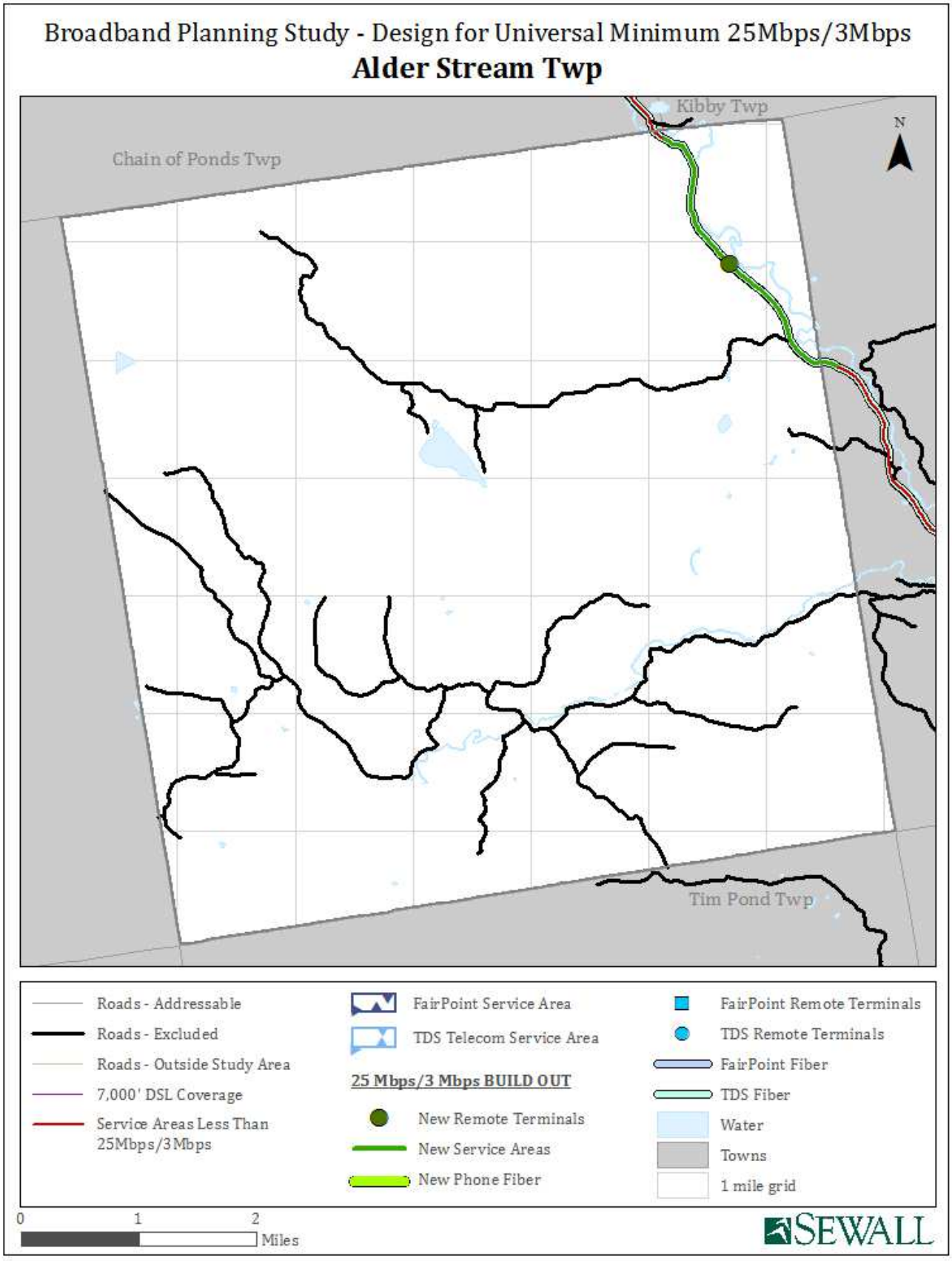
Alder Stream Twp Service Areas less than 10 Mbps/1 Mbps Map 9



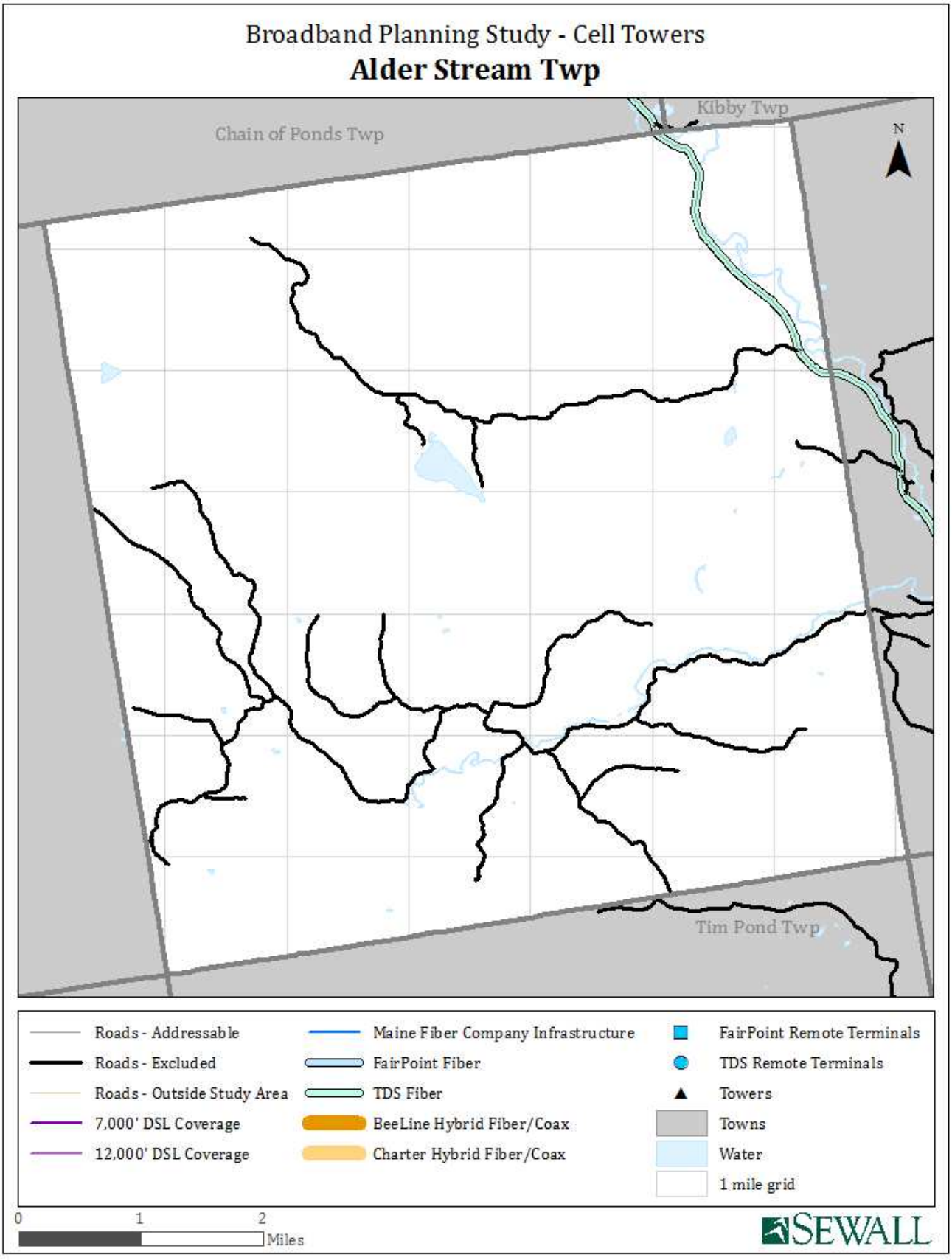
Alder Stream Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Alder Stream Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Alder Stream Twp Cell Towers Map 12



C-3 Avon

Special Considerations

None

Avon				
Statistical Data	**Cost**	**Unit**	**Avon**	**Study Area Totals**
911 Addresses			278	**22,824**
Total Road Mileage			50.6	**1,637**
Phone Fiber Mileage			14.9	**336**
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1G/1G FTTP 911 Addresses	$ 700	sub	273	**22,500**
Potential Subscribers per mile			*9*	***17***
Total Cost			**$1,370,074**	**$69,872,775**
Per Potential Subscriber			*$5,019*	***$3,105***
Per Mile			*$46,484*	*$51,640*
10M/10M Gap Miles	$35,000	mile	16.7	**900**
10M/10M Gap 911 Addresses	$ 350	sub	105	**8,351**
Potential Subscribers per mile			*6*	***9***
Total Cost			**$620,878**	**$34,438,469**
Per Potential Subscriber			*$5,913*	***$4,124***
Per Mile			*$37,202*	*$38,246*
Potential private investment			$195,310	$15,969,618
Potential public subsidy			$425,568	$18,468,851
25M/3M Gap Miles			13.4	**650**
25M/3M Gap 911 Addresses			78	**4,931**
25M/3M New RT Quantity	$25,000		8	**270**
25M/3M New Fiber Miles	$25,000		4.0	**182**
Potential Subscribers per mile			*6*	***8***
Total Cost			$301,163	$11,305,524
Per Potential Subscriber			*$3,861*	*$2,293*
Potential private investment			$87,467	$4,286,572
Potential public subsidy			$213,695	$7,018,952
10M/1M Gap Miles			7.1	**407**
10M/1M Gap 911 Addresses			34	**2,925**
10M/1M New RT Quantity	$25,000		2	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			*5*	***7***
Total Cost			$50,000	$4,167,973
Per Potential Subscriber			*$1,471*	*$1,425*
Potential private investment			$11,948	$1,497,587
Potential public subsidy			$38,052	$2,670,386
CAF-II Funded Locations			-	**2,429**
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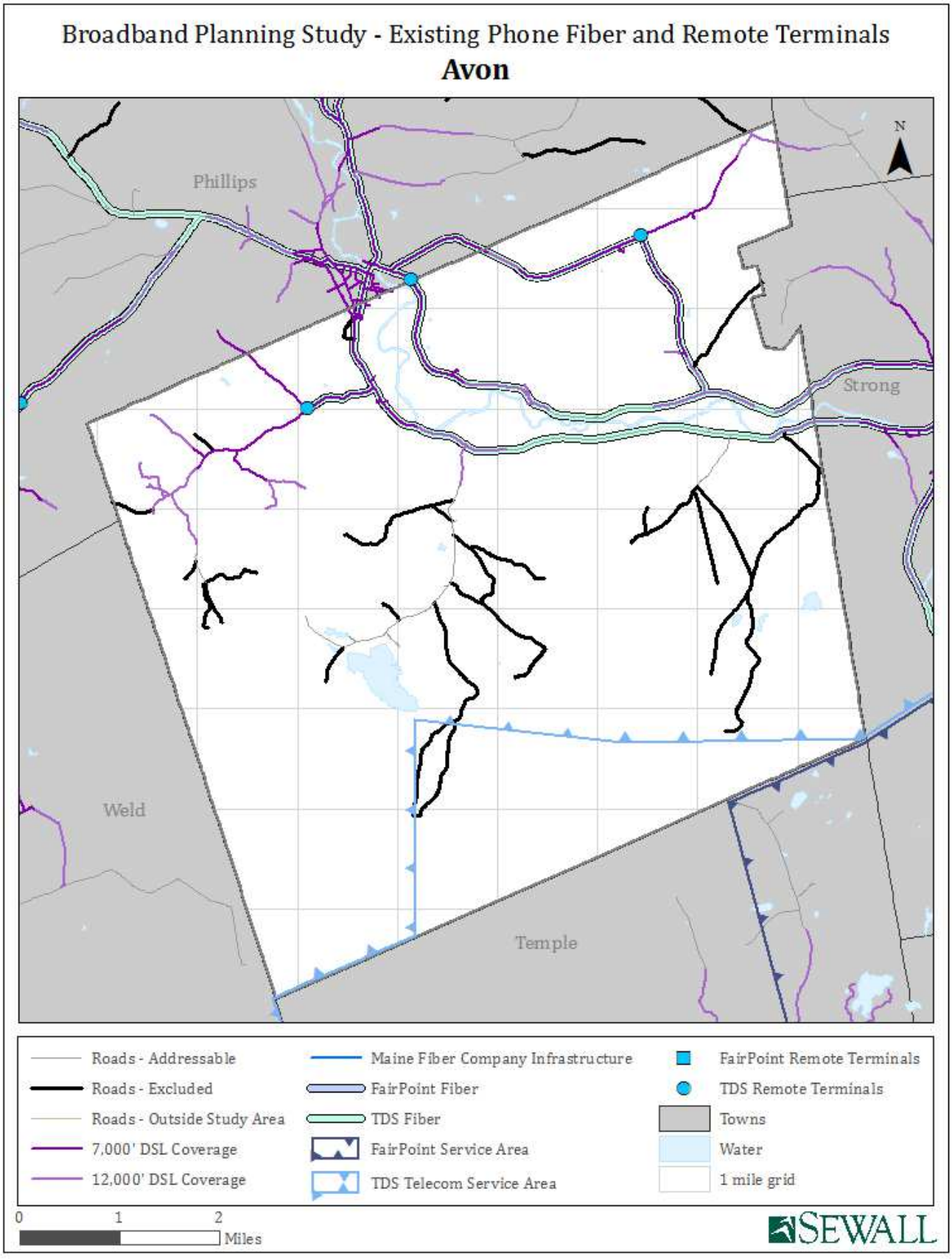
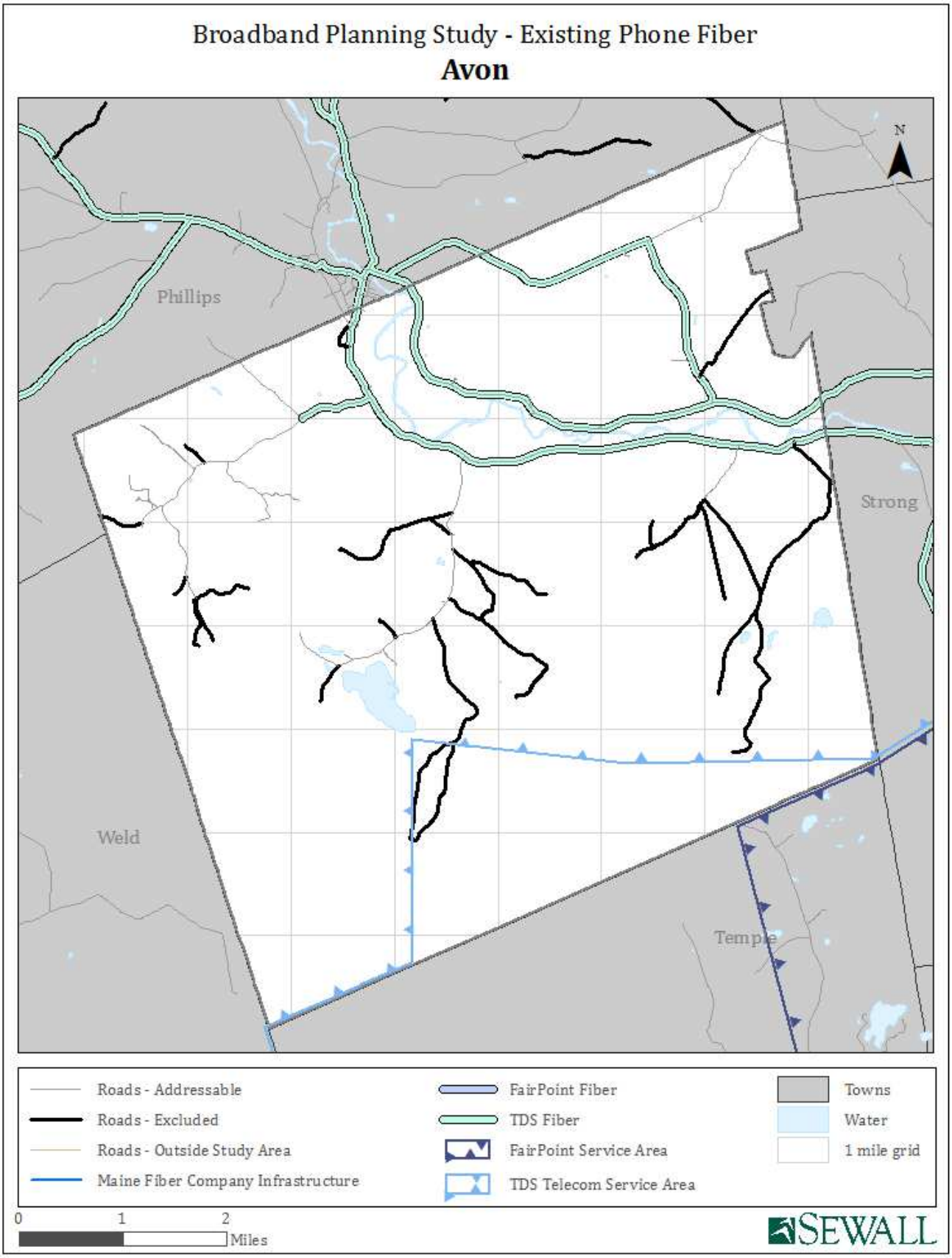
Open-Access Dark Fiber Revenue	$15	sub	$24,570	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$19,453	$893,026
Insurance	$185	mile	$5,446	$250,000
OSP Restoration & Maintenance	$200	mile	$5,895	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$3,413	$281,250
Administration	$30	sub	$4,095	$337,500
Total Operating Expense			**$38,301**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($13,731)**	**($7,390)**

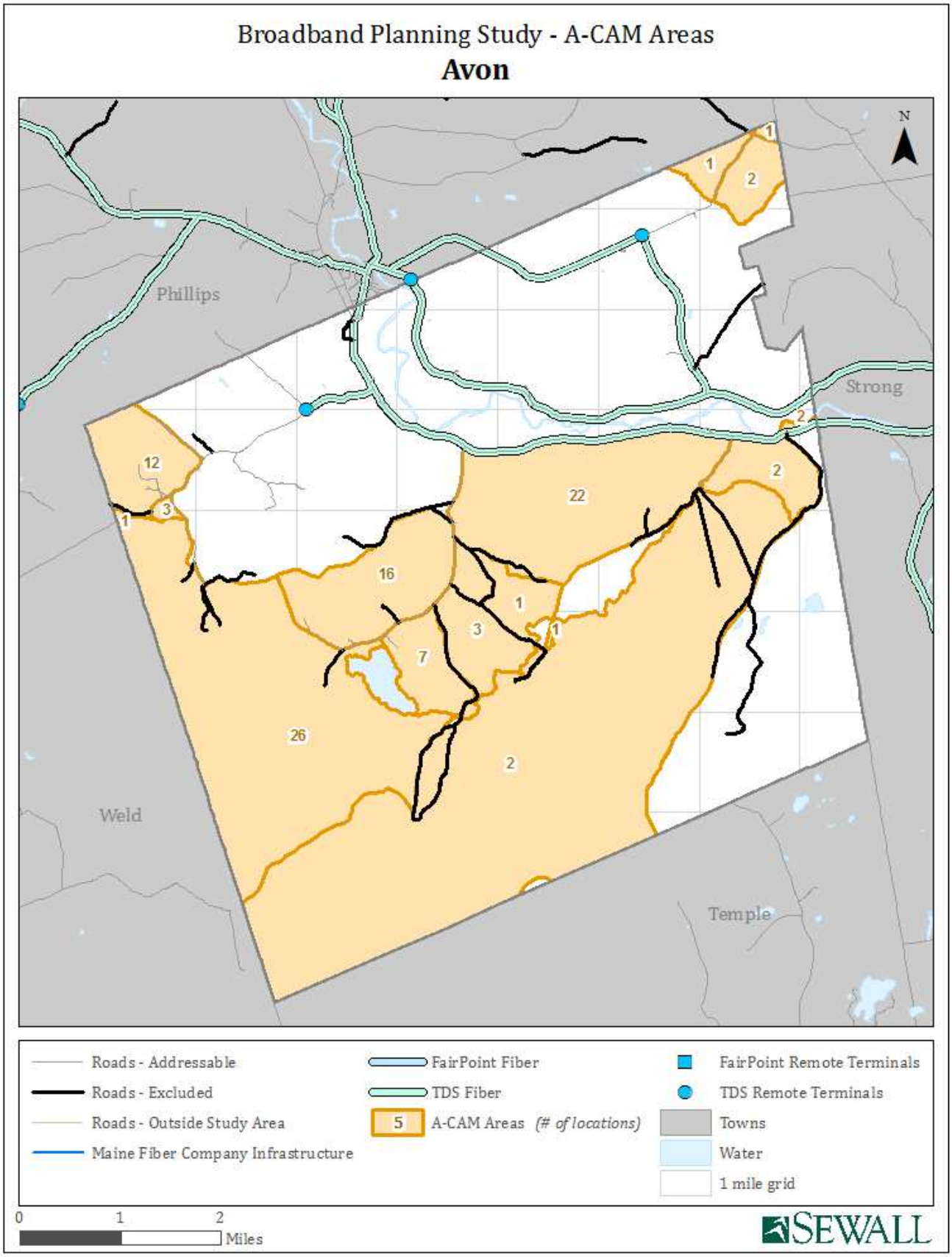
Avon Existing Phone Fiber & Remote Terminals Map 1



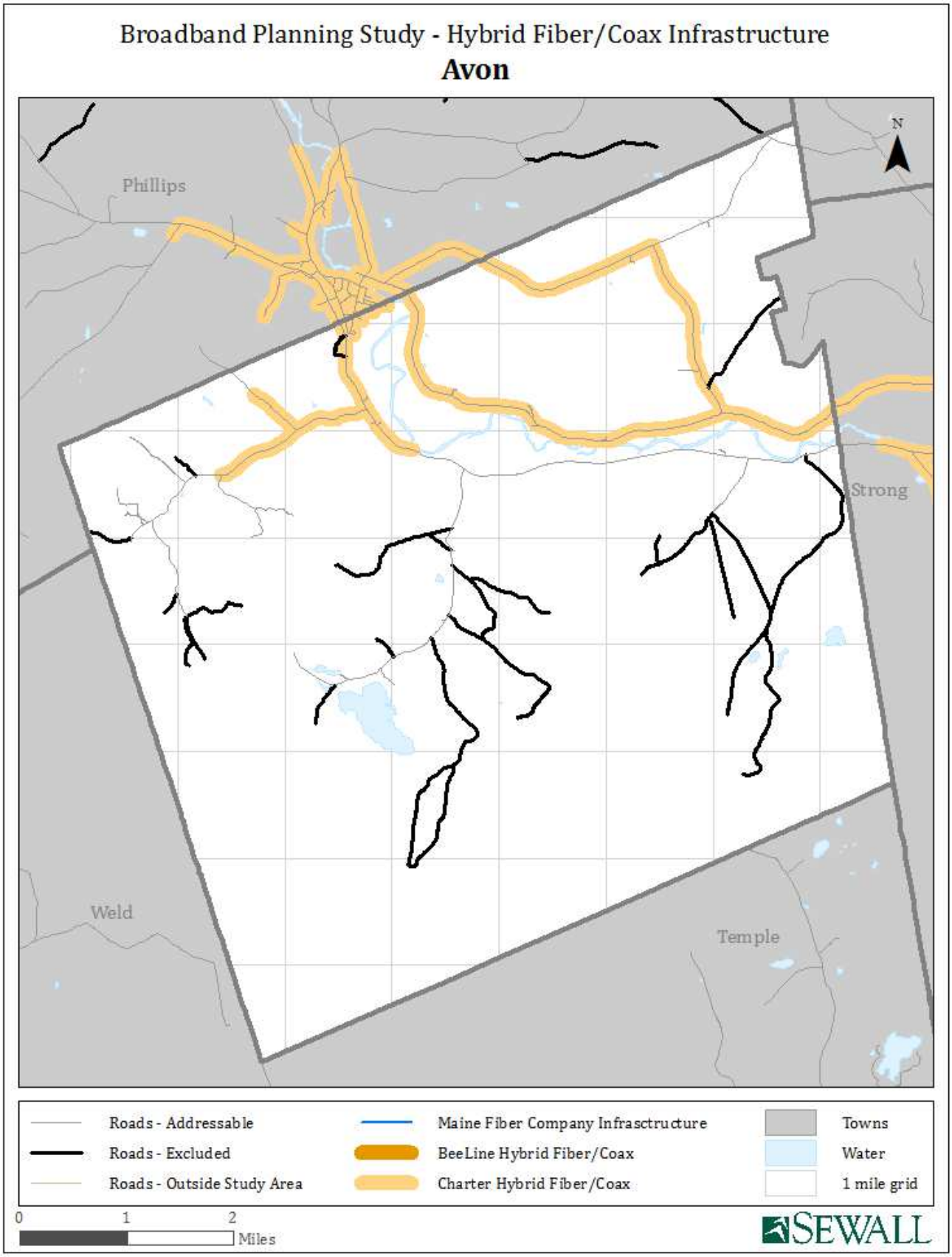
Avon Existing Phone Fiber Map 2



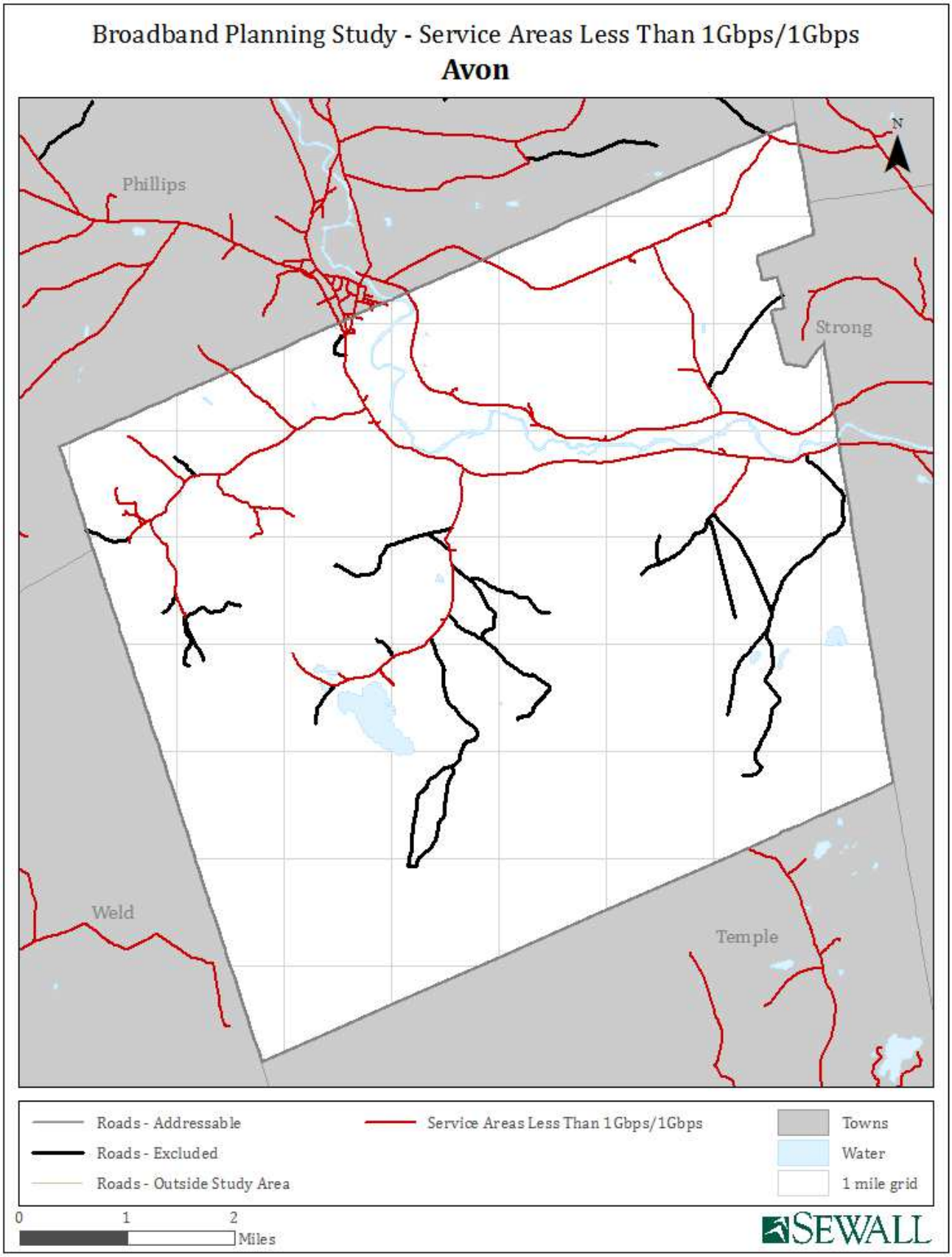
Avon A-CAM Map 4



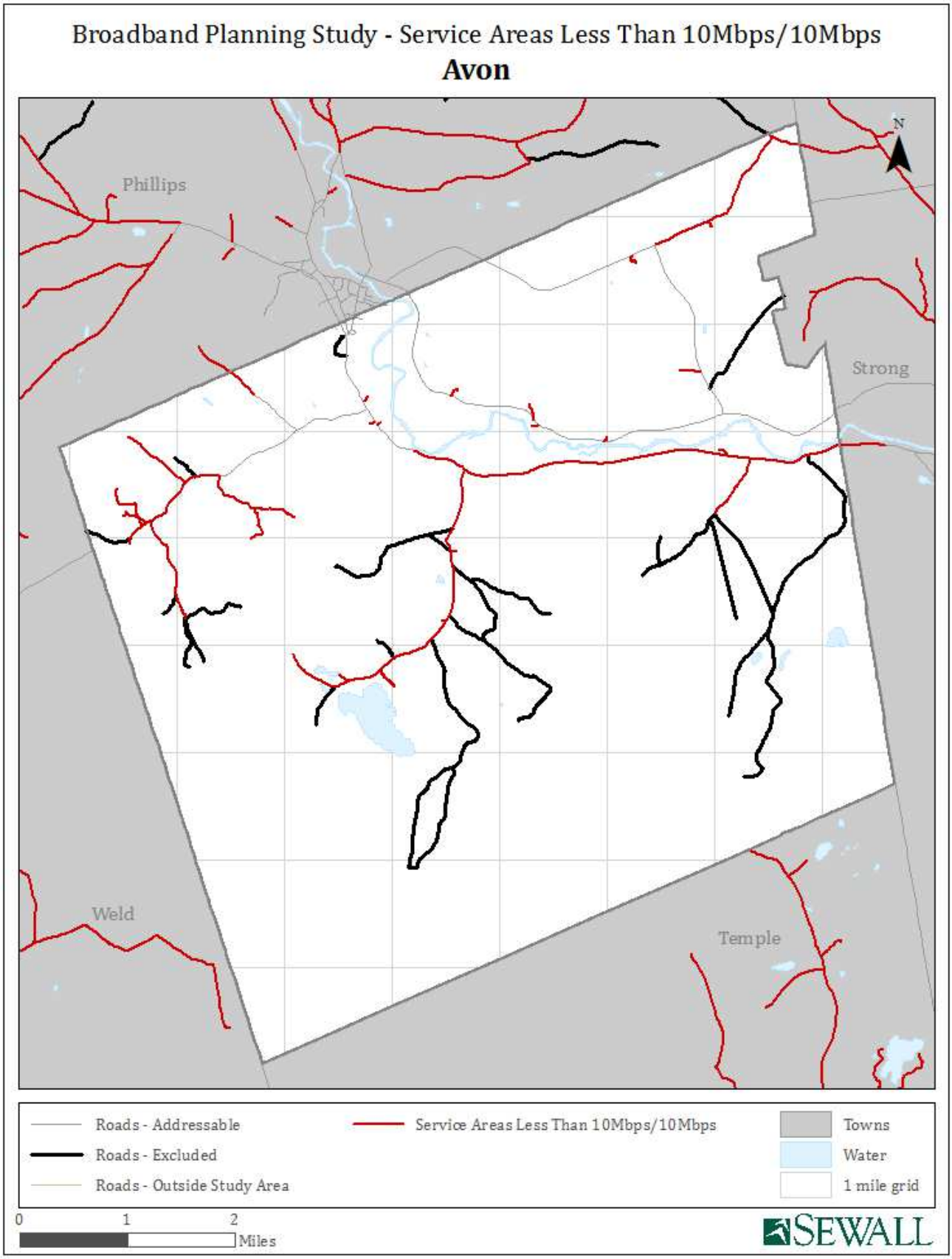
Avon Hybrid Fiber/Coax Infrastructure Map 5



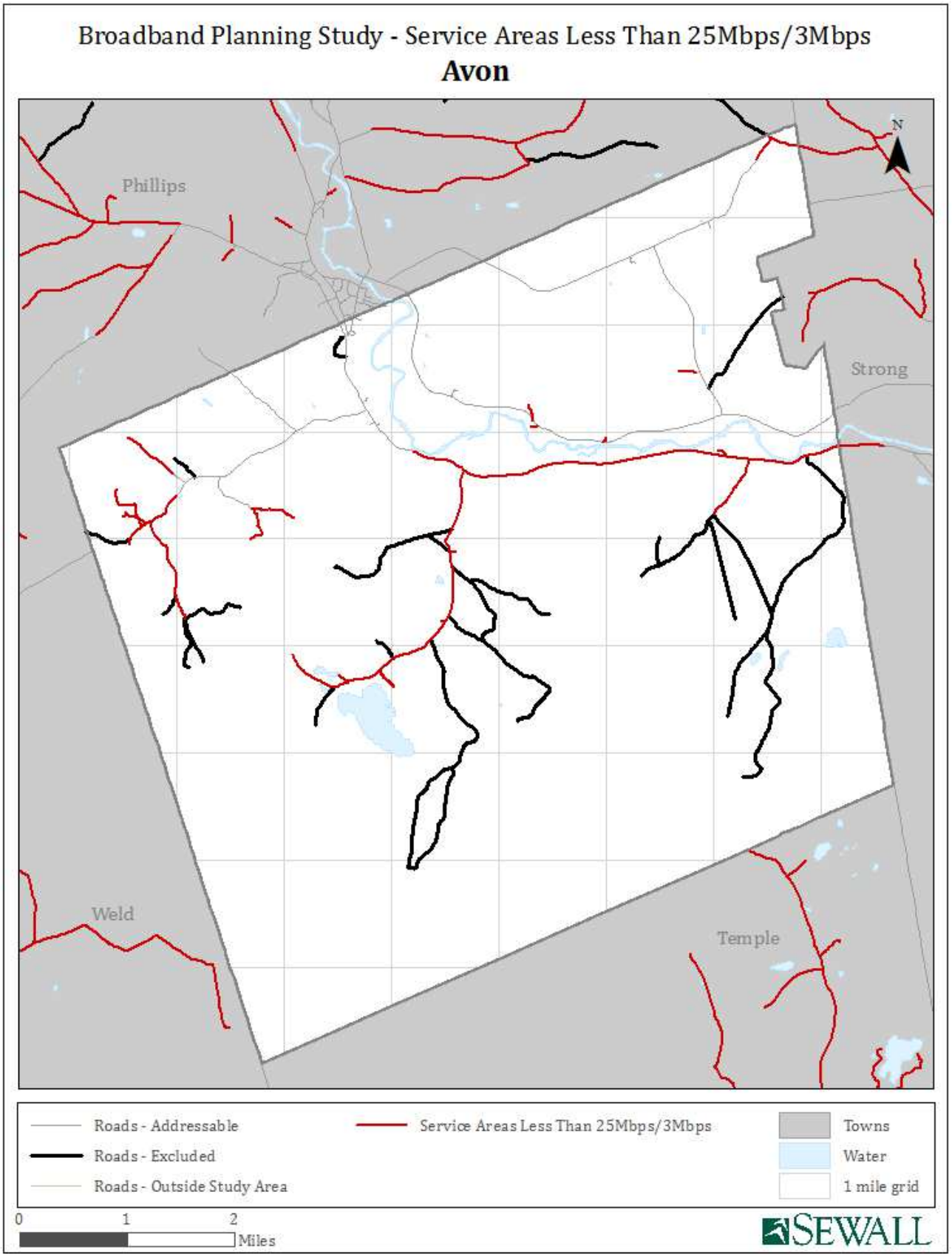
Avon Service Areas less than 1 Gbps/1 Gbps Map 6



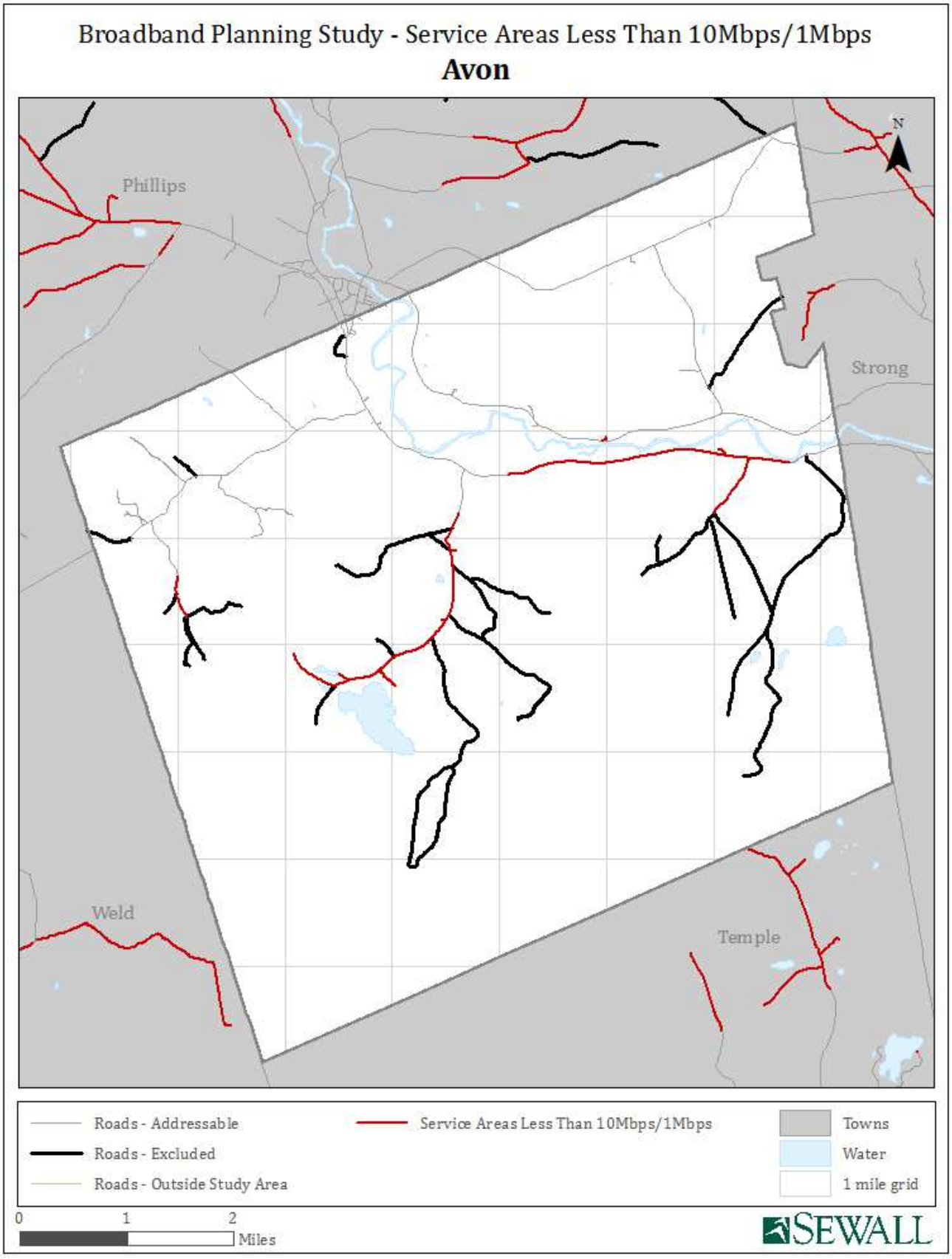
Avon Service Areas less than 10 Mbps/10 Mbps Map 7



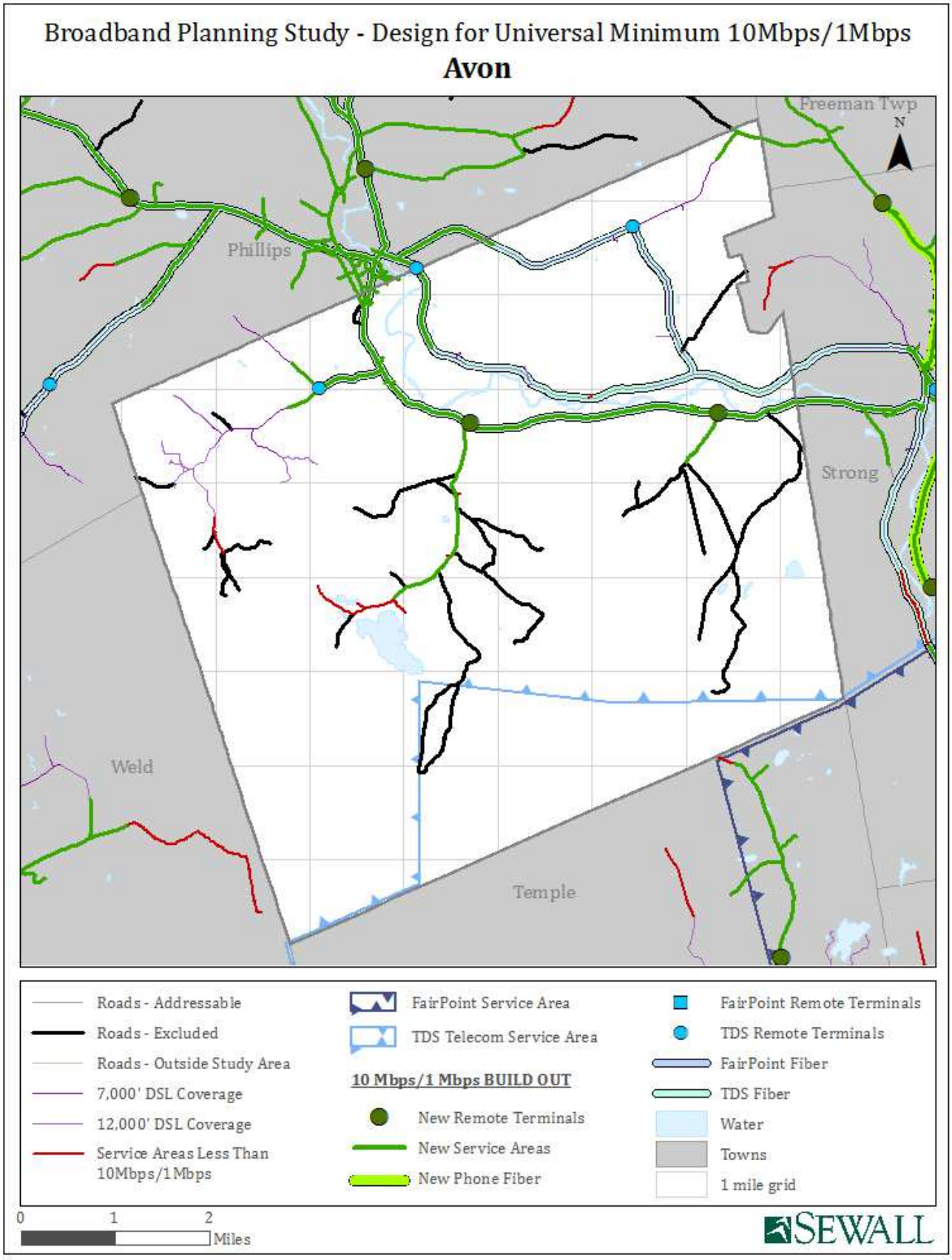
Avon Service Areas less than 25 Mbps/3 Mbps Map 8



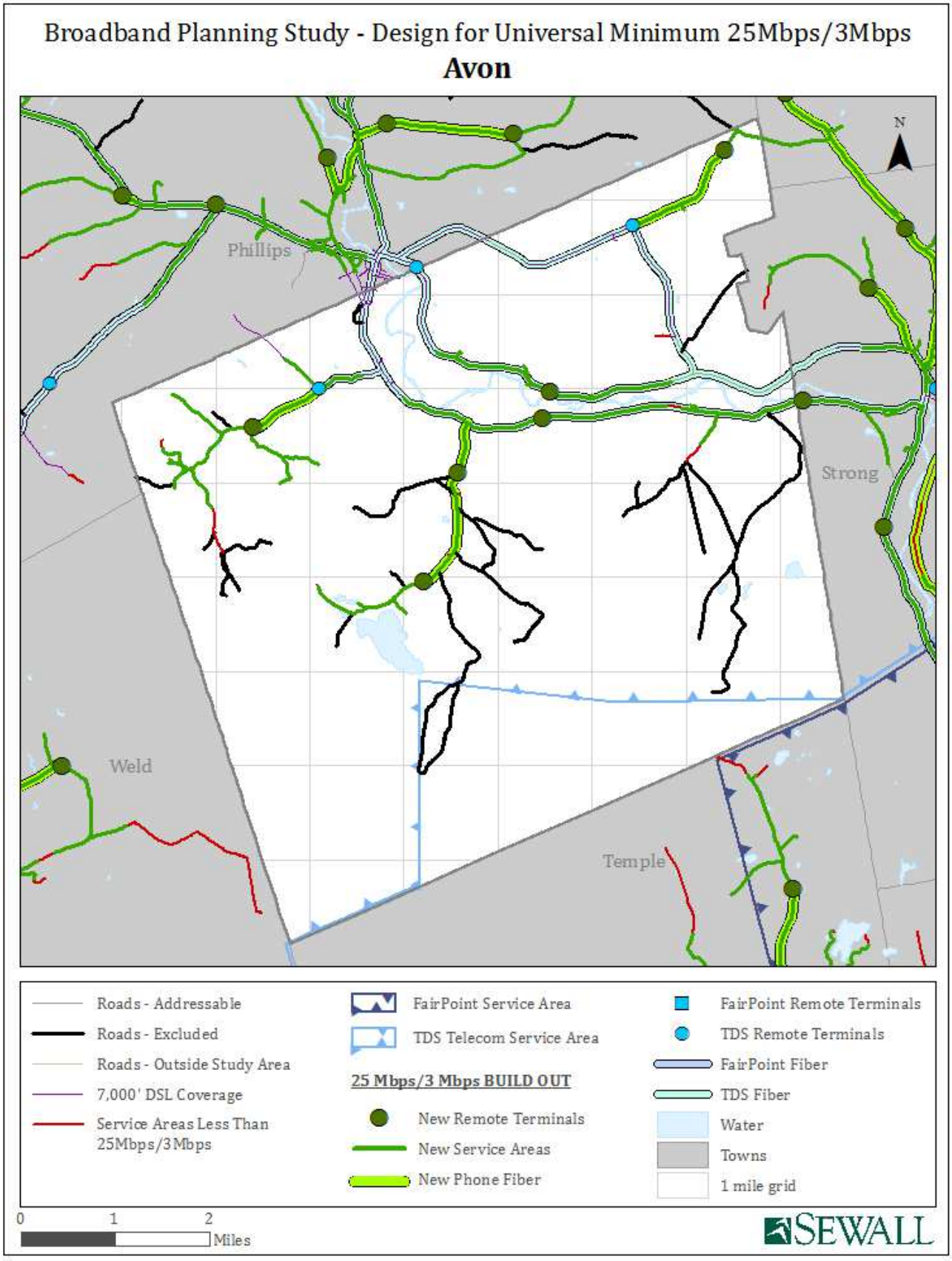
Avon Service Areas less than 10 Mbps/1 Mbps Map 9



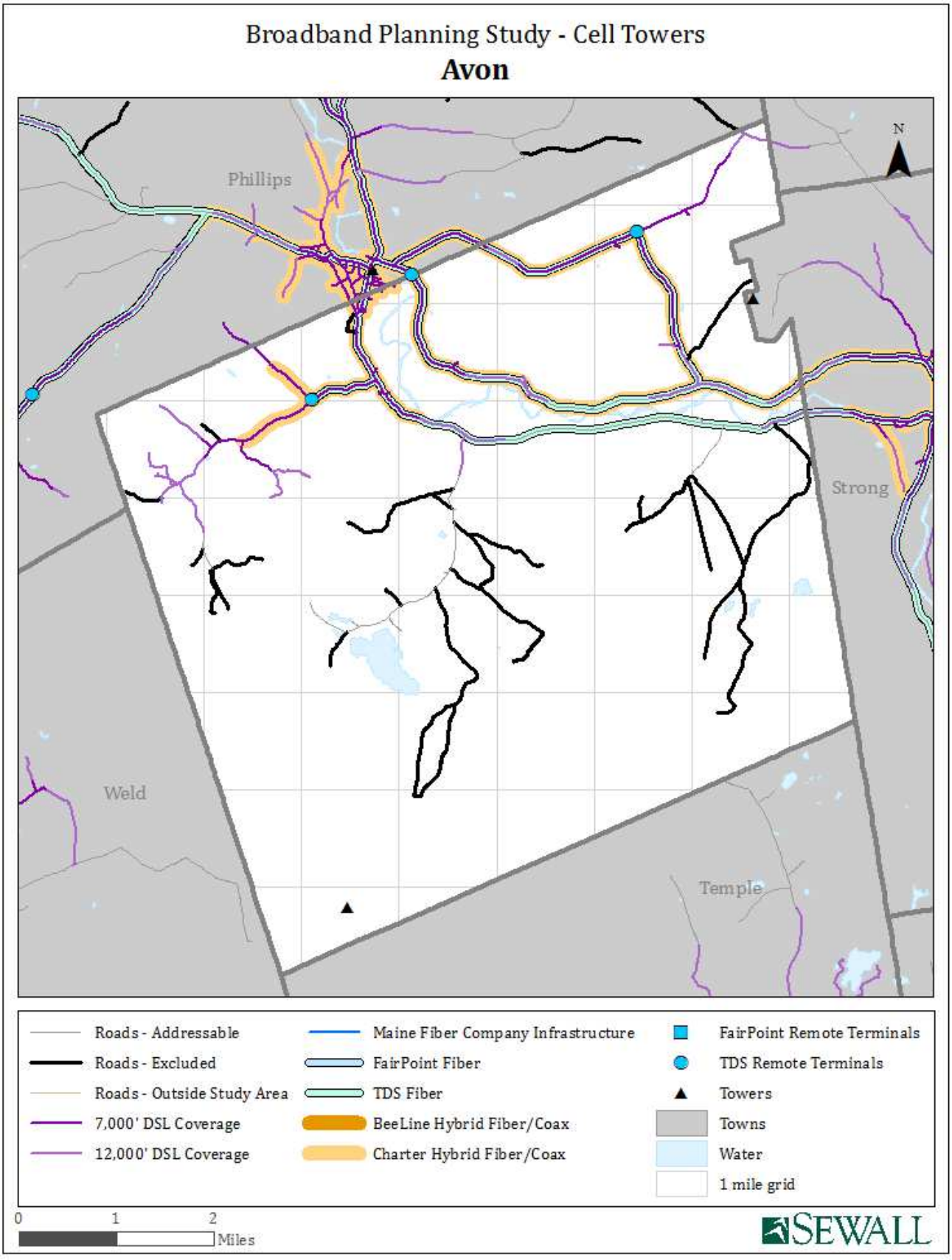
Avon Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Avon Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Avon Cell Towers Map 12



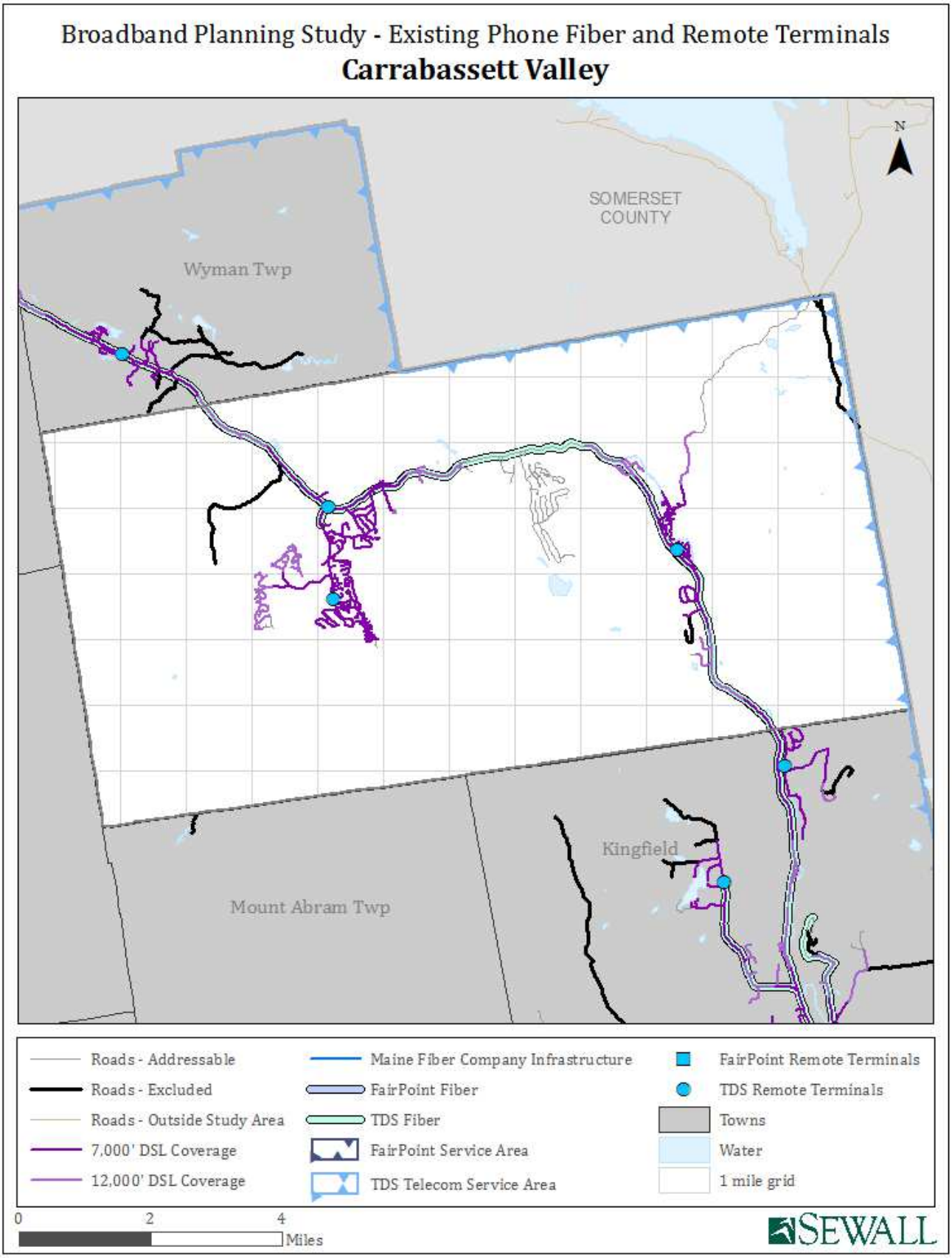
C-4 Carrabassett Valley

Special Considerations

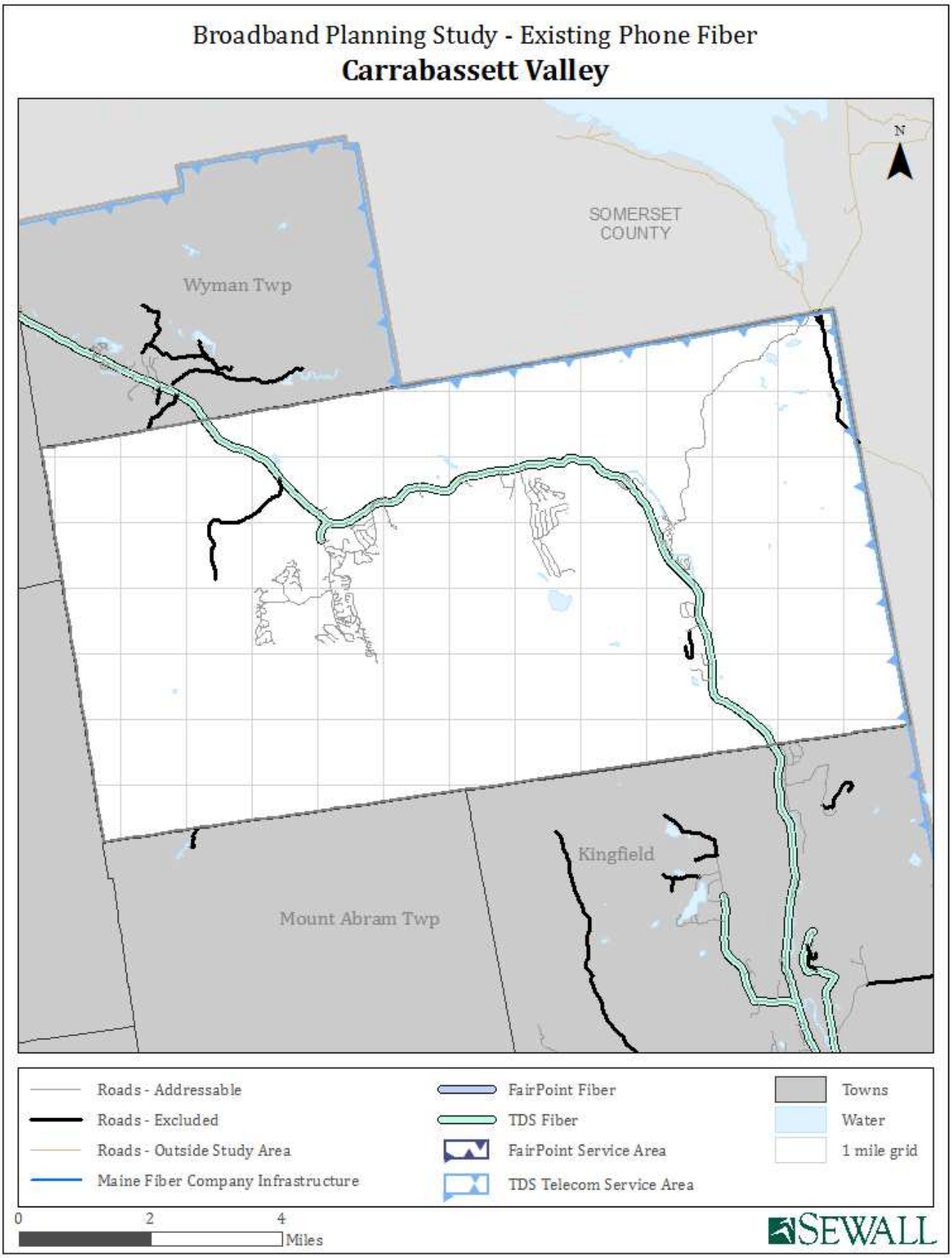
None

Carrabassett				
Statistical Data	**Cost**	**Unit**	**Carrabassett Valley**	**Study Area Totals**
911 Addresses			2,205	**22,824**
Total Road Mileage			65.2	**1,637**
Phone Fiber Mileage			12.7	**336**
Hybrid Fiber/Coax Mileage			50	**451**
1G/1G FTTP Gap Miles	$40,000	mile	61.2	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	2,180	**22,500**
Potential Subscribers per mile			*36*	***17***
Total Cost			**$3,973,294**	**$69,872,775**
Per Potential Subscriber			*$1,823*	***$3,105***
Per Mile			*$64,942*	*$51,640*
10M/10M Gap Miles	$35,000	mile	9.3	**900**
10M/10M Gap 911 Addresses	$ 350	sub	37	**8,351**
Potential Subscribers per mile			*4*	***9***
Total Cost			**$337,869**	**$34,438,469**
Per Potential Subscriber			*$9,132*	***$4,124***
Per Mile			*$36,395*	*$38,246*
Potential private investment			$67,331	$15,969,618
Potential public subsidy			$270,538	$18,468,851
25M/3M Gap Miles			7.5	**650**
25M/3M Gap 911 Addresses			13	**4,931**
25M/3M New RT Quantity	$25,000		1	**270**
25M/3M New Fiber Miles	$25,000		-	**182**
Potential Subscribers per mile			*2*	***8***
Total Cost			$25,000	$11,305,524
Per Potential Subscriber			*$1,923*	*$2,293*
Potential private investment			$2,162	$4,286,572
Potential public subsidy			$22,838	$7,018,952
10M/1M Gap Miles			4.3	**407**
10M/1M Gap 911 Addresses			4	**2,925**
10M/1M New RT Quantity	$25,000		-	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			*1*	***7***
Total Cost			$0	$4,167,973
Per Potential Subscriber			*$0*	*$1,425*
Potential private investment			$0	$1,497,587
Potential public subsidy			$0	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			5	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$196,200	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$40,380	$893,026
Insurance	$185	mile	$11,304	$250,000
OSP Restoration & Maintenance	$200	mile	$12,236	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$27,250	$281,250
Administration	$30	sub	$32,700	$337,500
Total Operating Expense			**$123,871**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**$72,329**	**($7,390)**

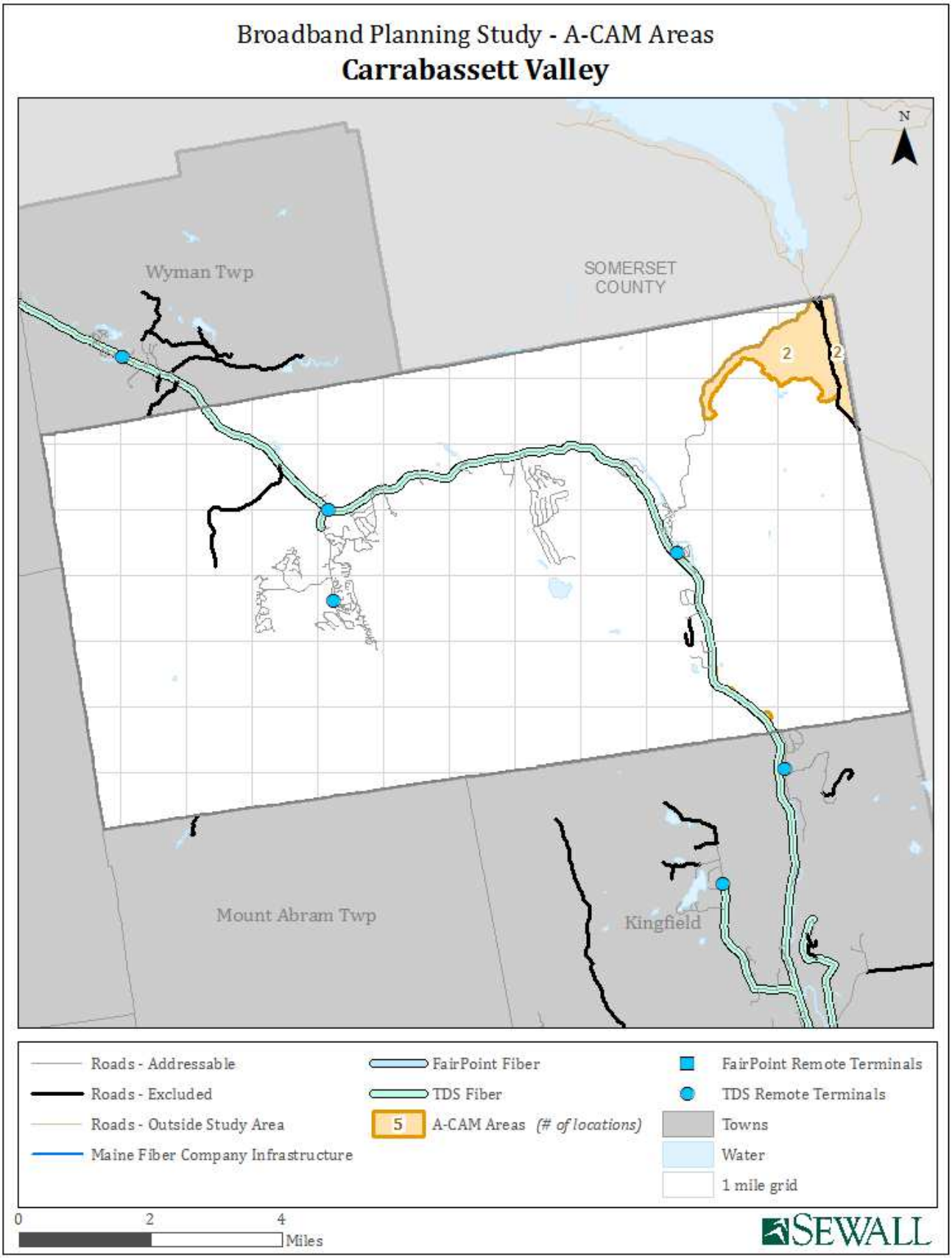
Carrabassett Valley Existing Phone Fiber & Remote Terminals Map 1



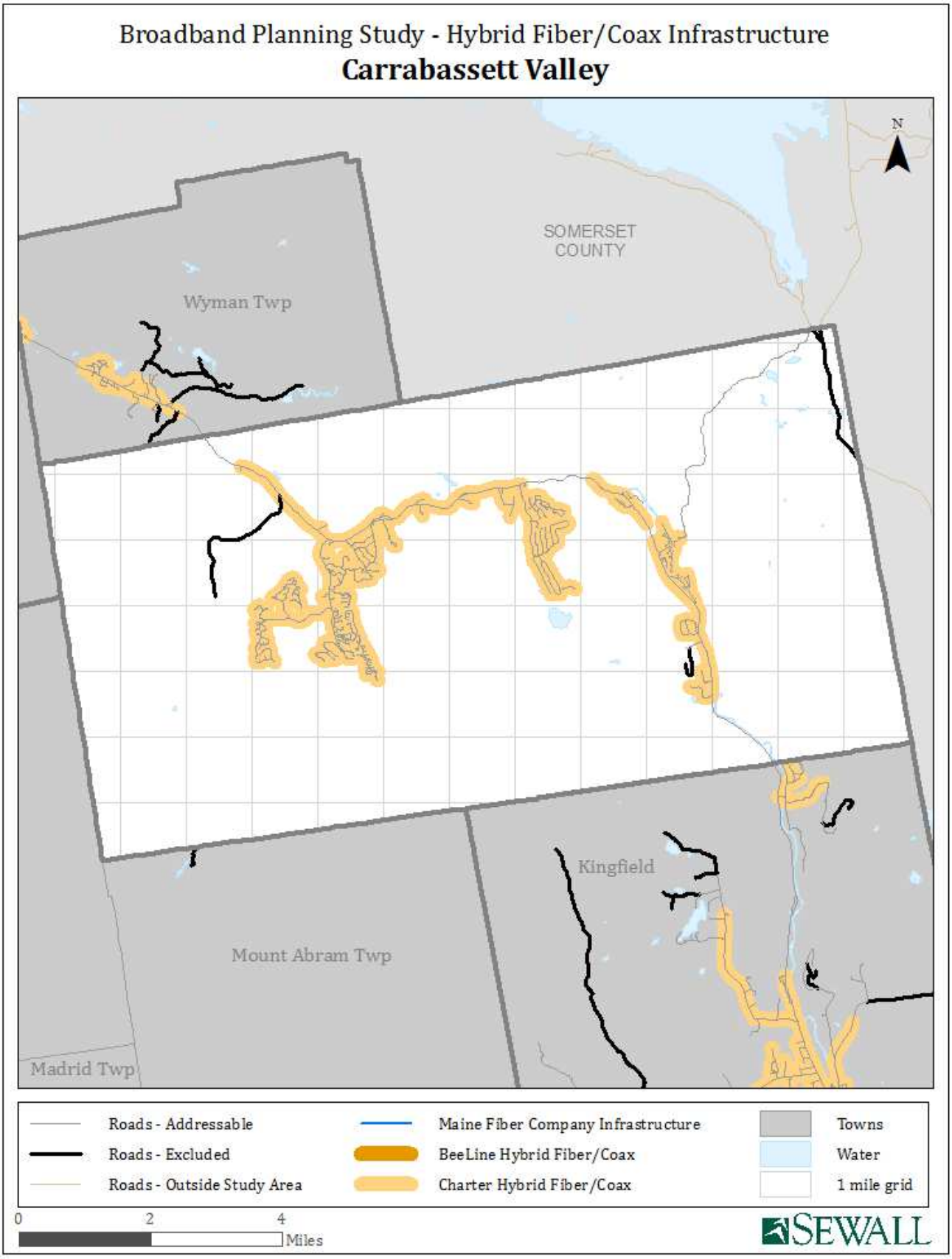
Carrabassett Valley Existing Phone Fiber Map 2



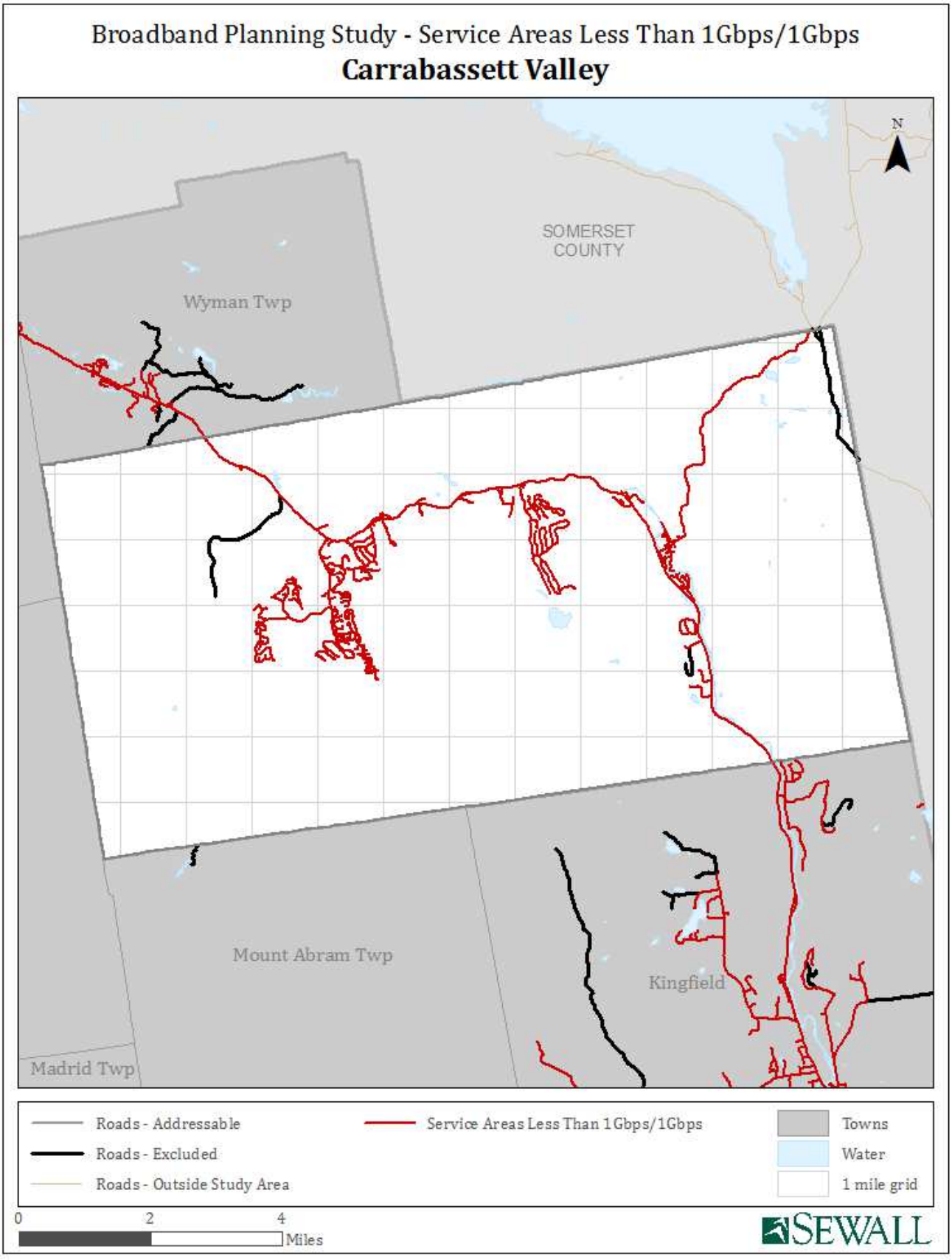
Carrabassett Valley A-CAM Map 4



Carrabassett Valley Hybrid Fiber/Coax Infrastructure Map 5

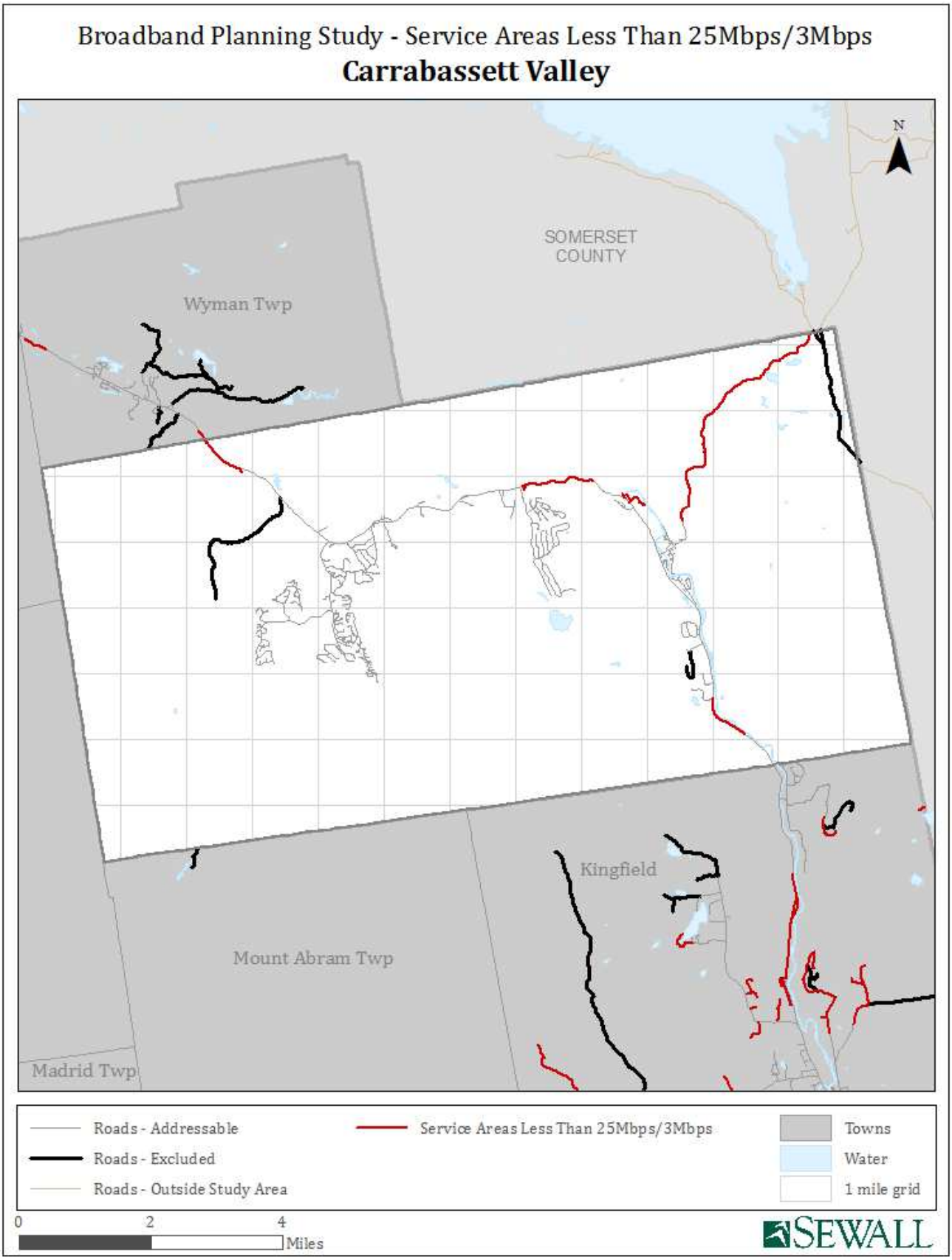


Carrabassett Valley Service Areas less than 1 Gbps/1 Gbps Map 6



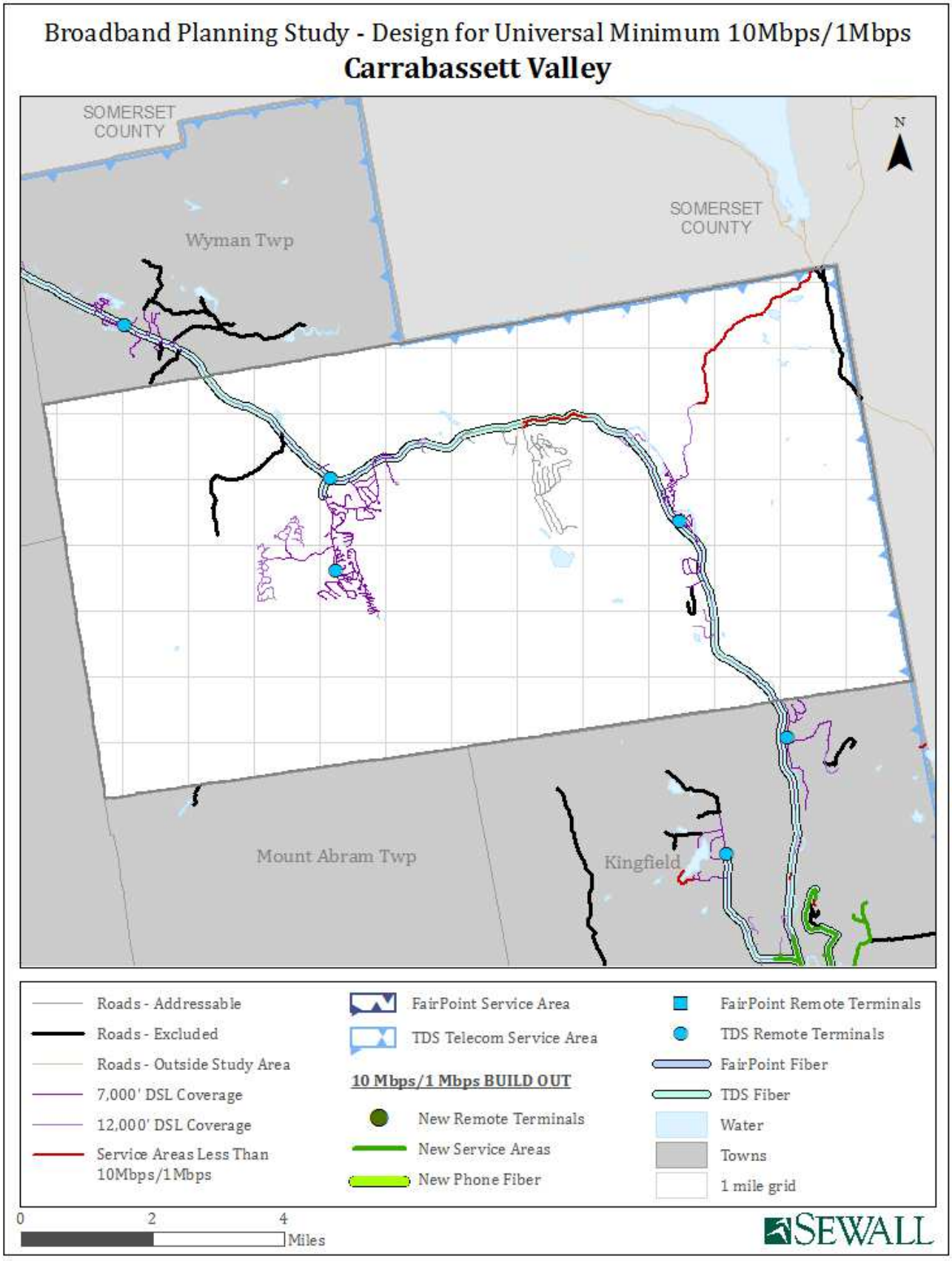
Carrabassett Valley Service Areas less than 10 Mbps/10 Mbps Map 7

Carrabassett Valley Service Areas less than 25 Mbps/3 Mbps Map 8

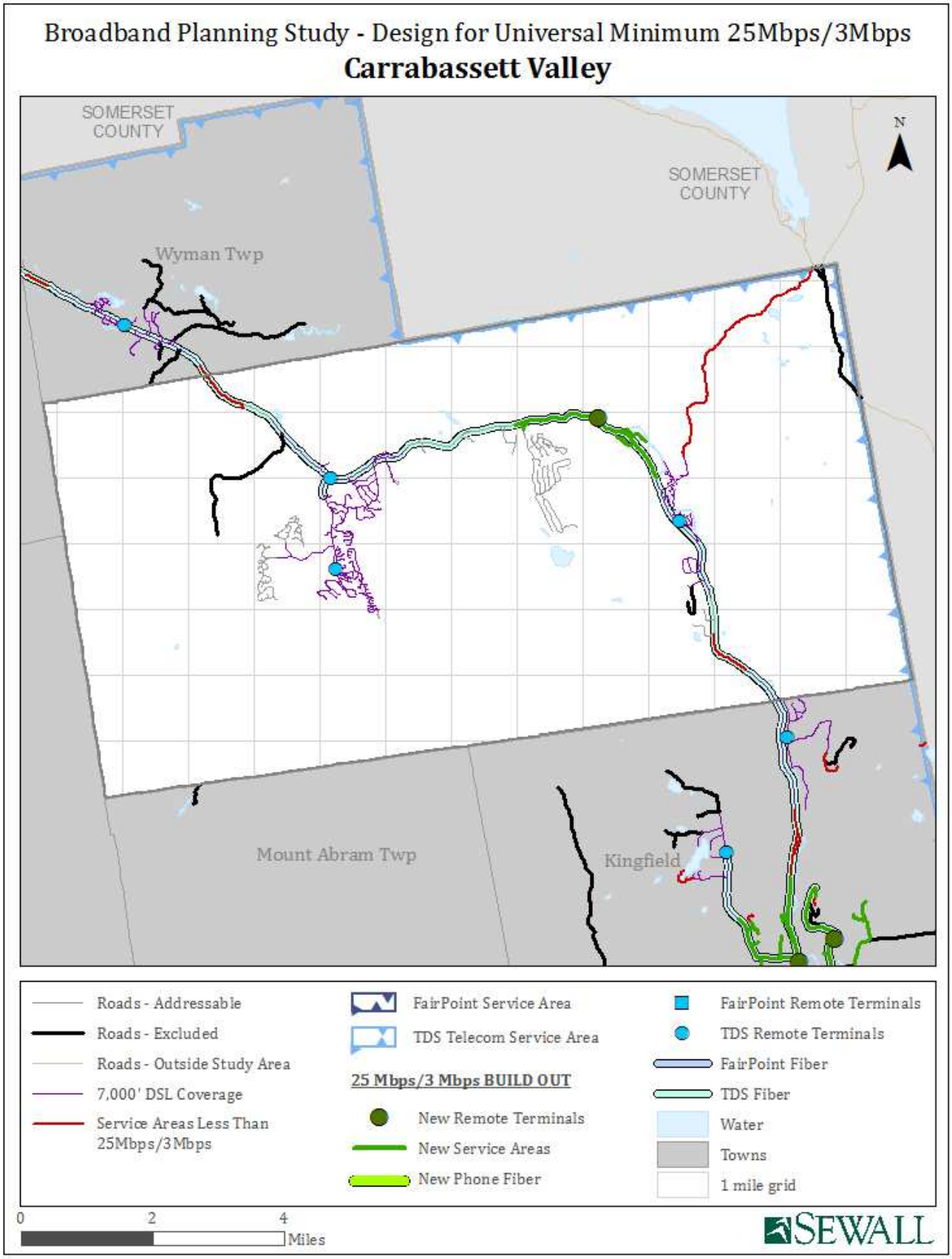


Carrabassett Valley Service Areas less than 10 Mbps/1 Mbps Map 9

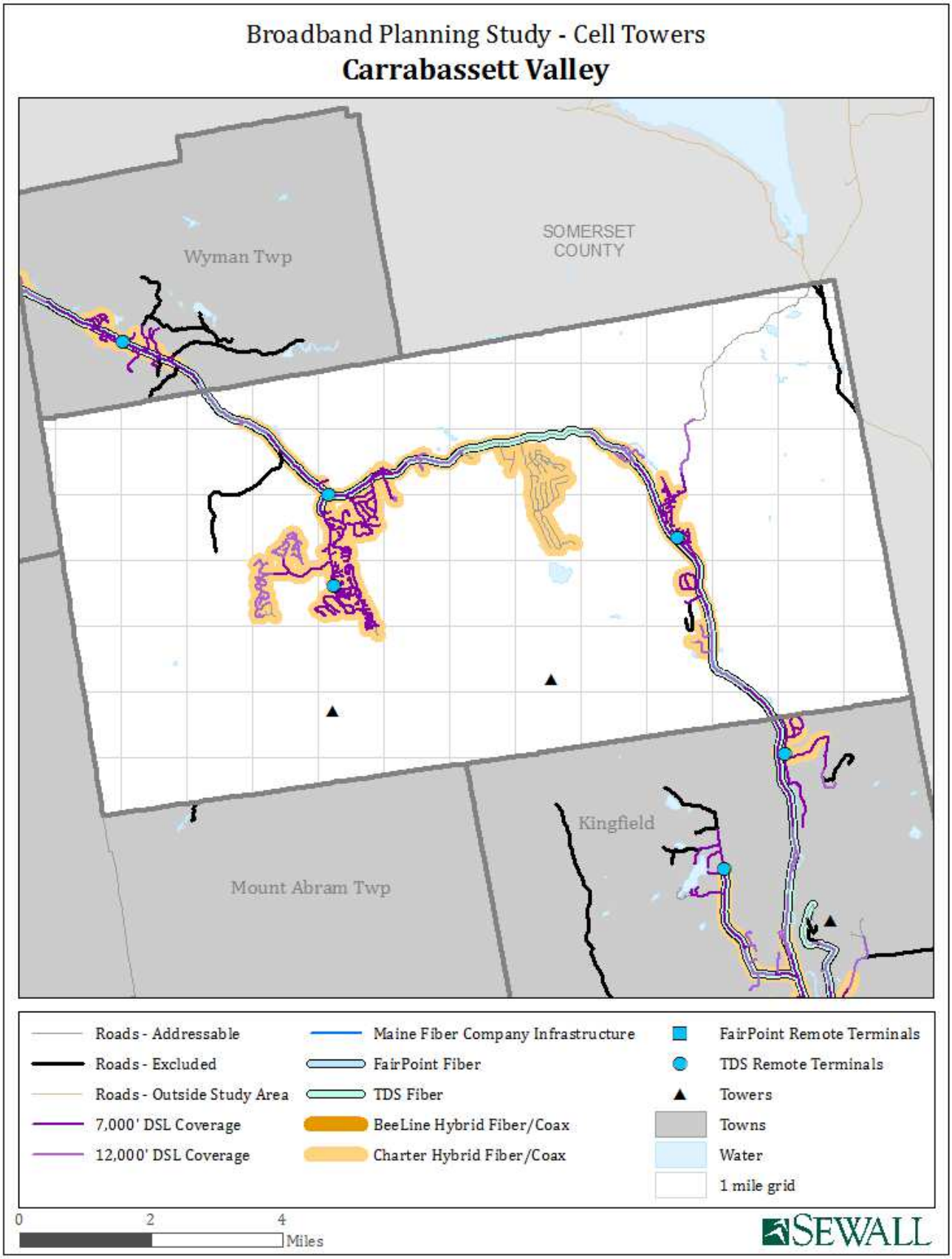
Carrabassett Valley Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Carrabassett Valley Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Carrabassett Valley Cell Towers Map 12



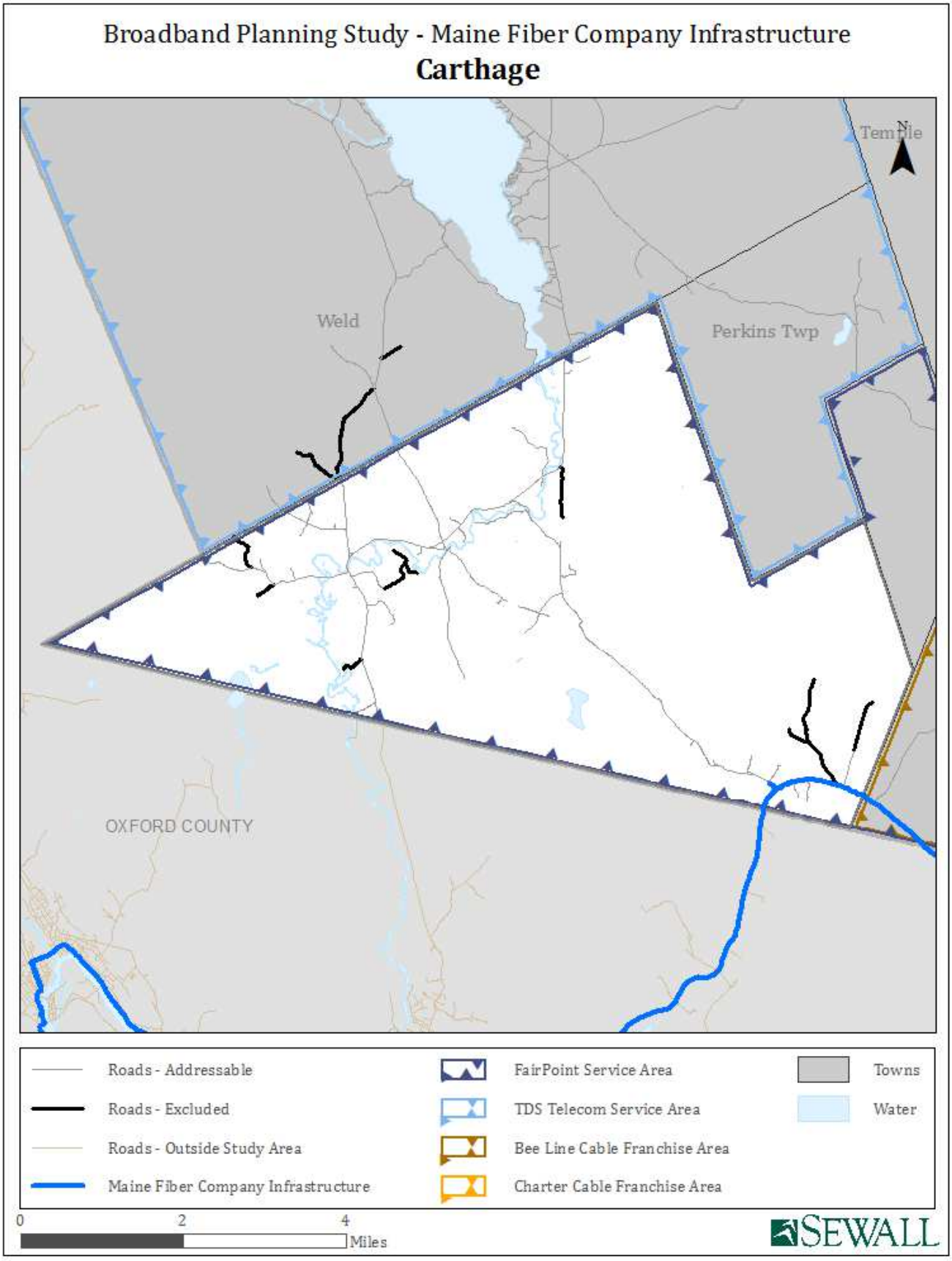
C-5 Carthage

Special Considerations

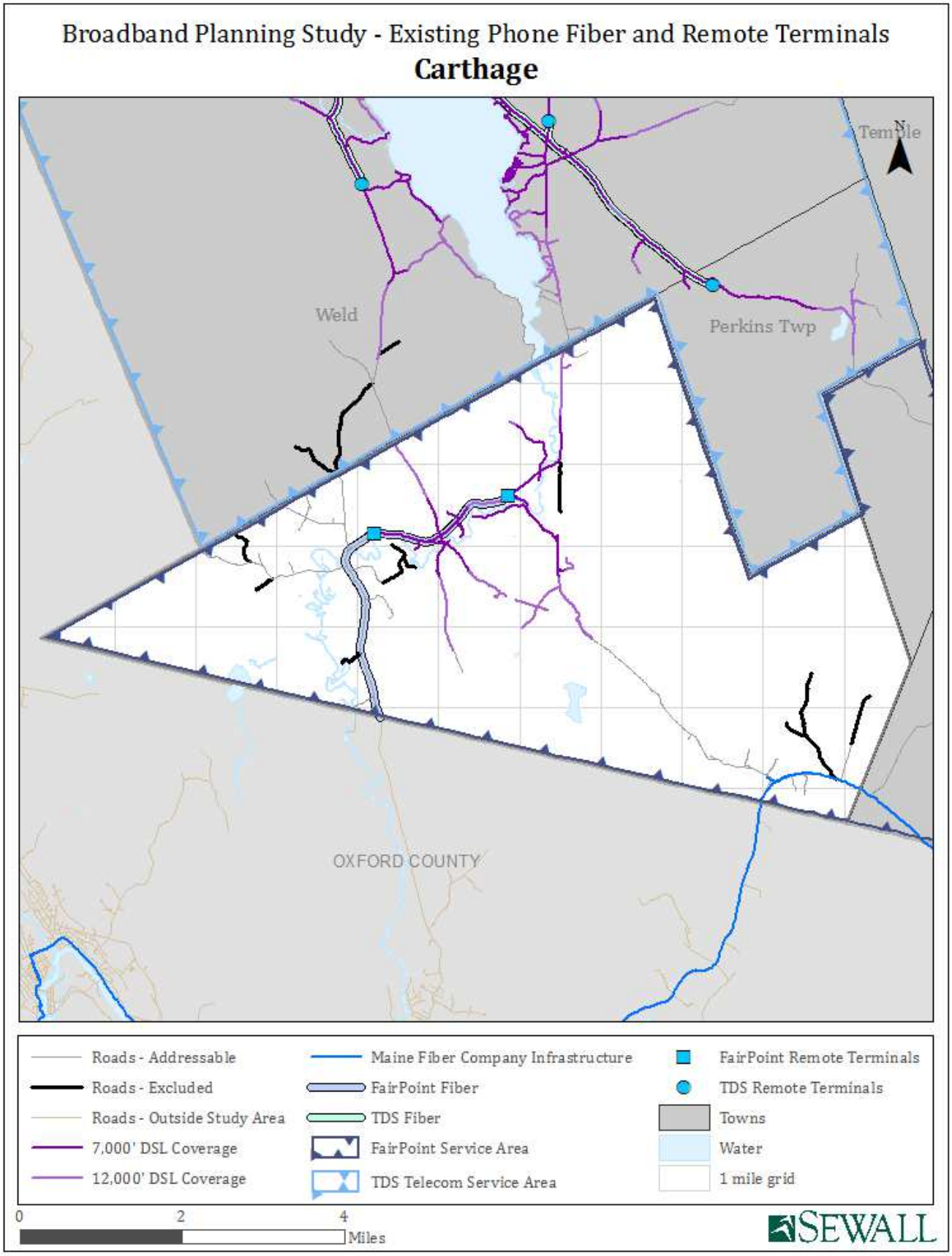
None

Carthage				
Statistical Data	**Cost**	**Unit**	**Carthage**	**Study Area Totals**
911 Addresses			289	**22,824**
Total Road Mileage			36.4	**1,637**
Phone Fiber Mileage			4.4	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	31.3	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	288	**22,500**
Potential Subscribers per mile			*9*	***17***
Total Cost			**$1,452,786**	**$69,872,775**
Per Potential Subscriber			*$5,044*	***$3,105***
Per Mile			*$46,445*	*$51,640*
10M/10M Gap Miles	$35,000	mile	31.3	**900**
10M/10M Gap 911 Addresses	$ 350	sub	288	**8,351**
Potential Subscribers per mile			*9*	***9***
Total Cost			**$1,195,587**	**$34,438,469**
Per Potential Subscriber			*$4,151*	***$4,124***
Per Mile			*$38,223*	*$38,246*
Potential private investment			$550,405	$15,969,618
Potential public subsidy			$645,183	$18,468,851
25M/3M Gap Miles			23.1	**650**
25M/3M Gap 911 Addresses			174	**4,931**
25M/3M New RT Quantity	$25,000		10	**270**
25M/3M New Fiber Miles	$25,000		6.1	**182**
Potential Subscribers per mile			*8*	***8***
Total Cost			$402,623	$11,305,524
Per Potential Subscriber			*$2,314*	*$2,293*
Potential private investment			$151,526	$4,286,572
Potential public subsidy			$251,097	$7,018,952
10M/1M Gap Miles			16.4	**407**
10M/1M Gap 911 Addresses			137	**2,925**
10M/1M New RT Quantity	$25,000		3	**93**
10M/1M New Fiber Miles	$25,000		1.9	**74**
Potential Subscribers per mile			*8*	***7***
Total Cost			$122,729	$4,167,973
Per Potential Subscriber			*$896*	*$1,425*
Potential private investment			$51,398	$1,497,587
Potential public subsidy			$71,331	$2,670,386
CAF-II Funded Locations			138	**2,429**
A-CAM Funded Locations			-	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$25,920	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$20,645	$893,026
Insurance	$185	mile	$5,779	$250,000
OSP Restoration & Maintenance	$200	mile	$6,256	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$3,600	$281,250
Administration	$30	sub	$4,320	$337,500
Total Operating Expense			**$40,600**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($14,680)**	**($7,390)**

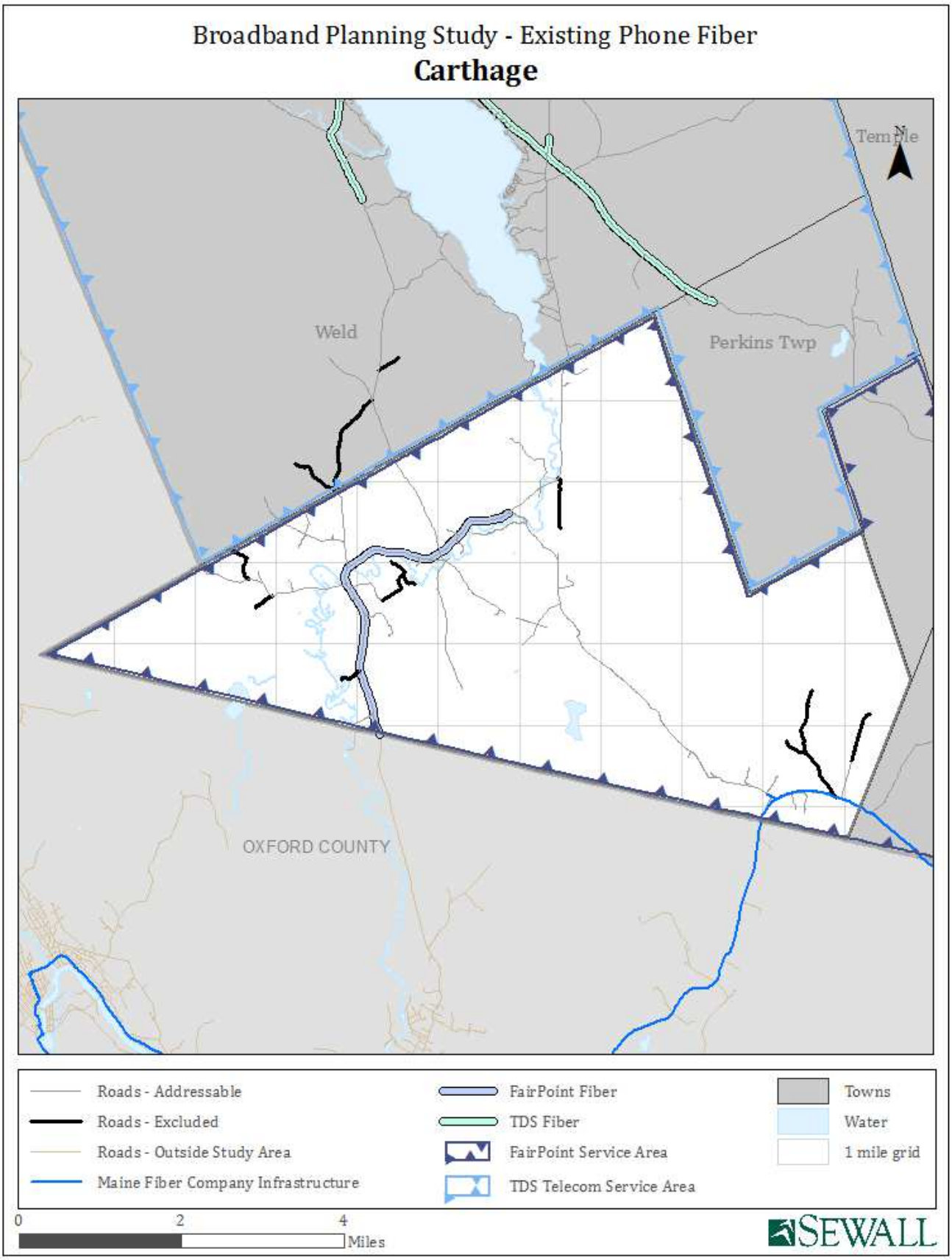
Carthage Maine Fiber Company Infrastructure Map D



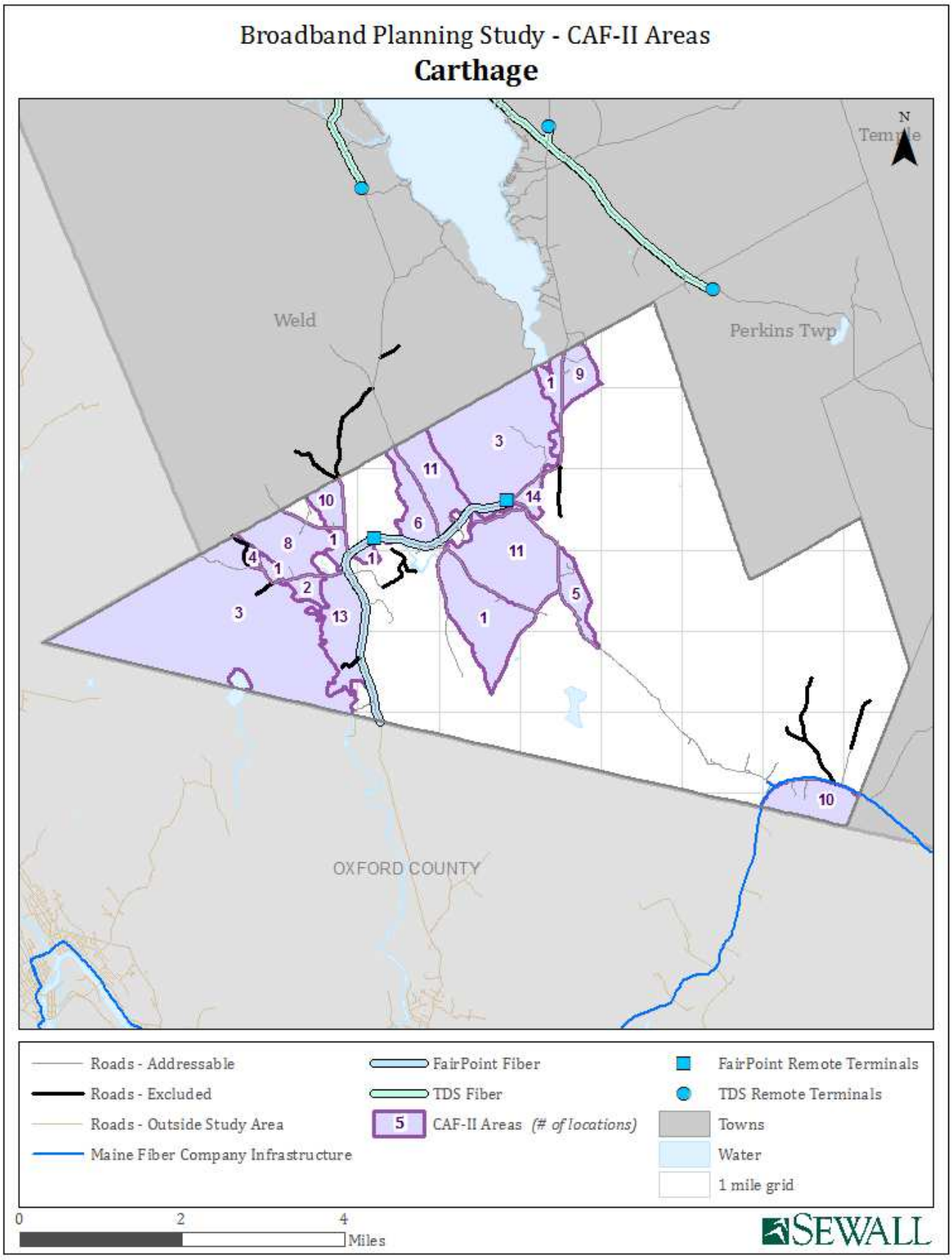
Carthage Existing Phone Fiber & Remote Terminals Map 1



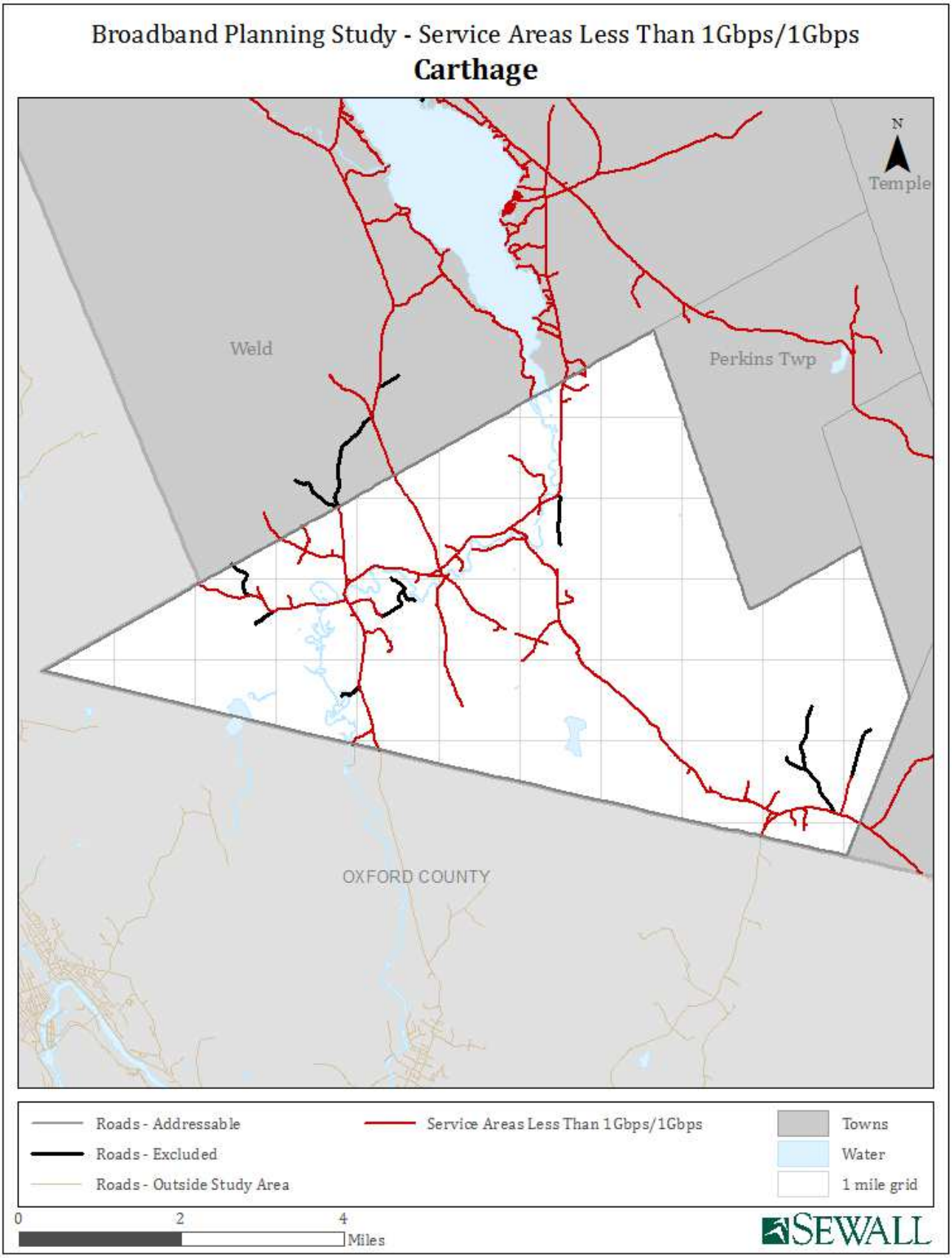
Carthage Existing Phone Fiber Map 2



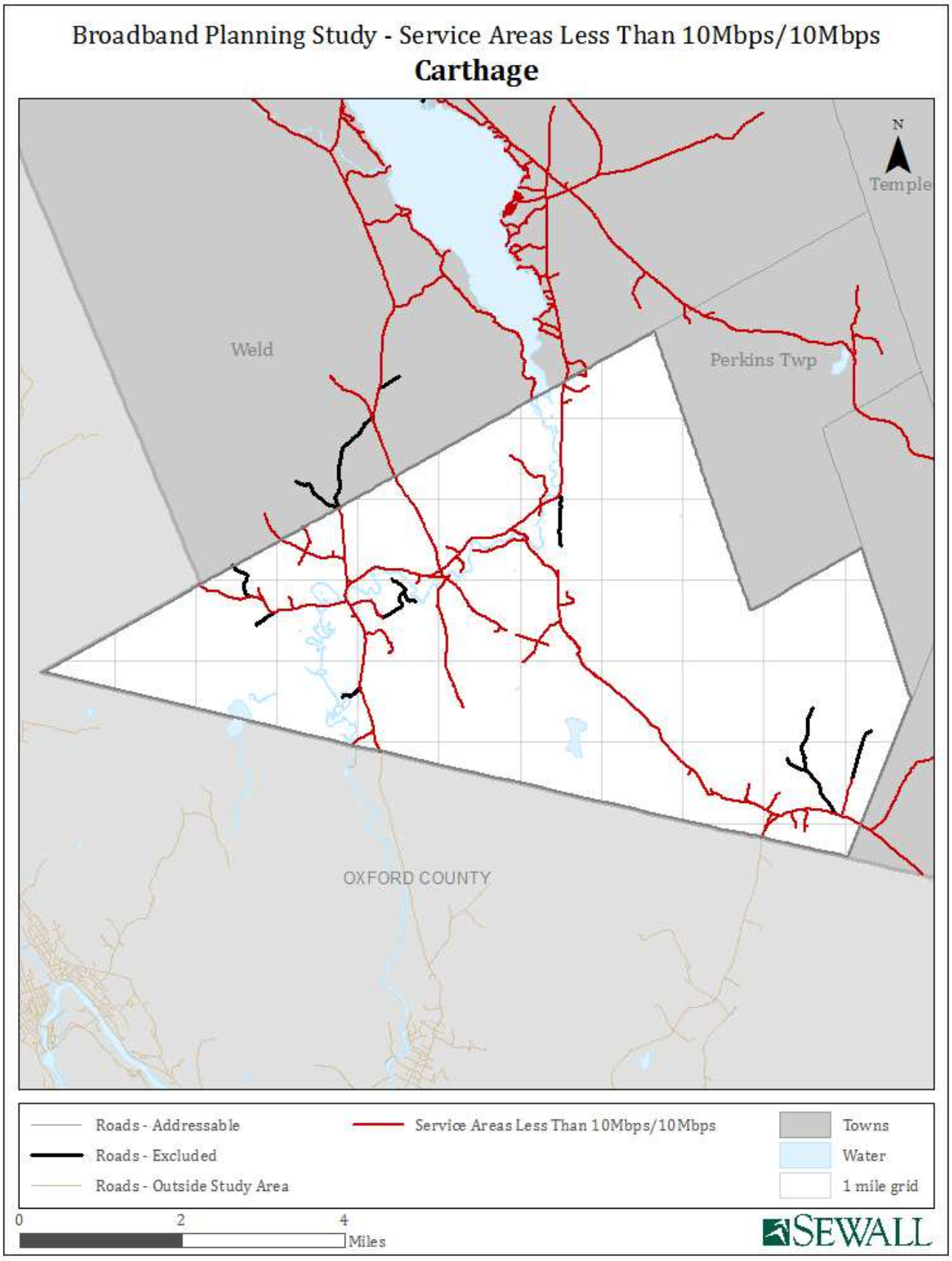
Carthage CAF-II Map 3



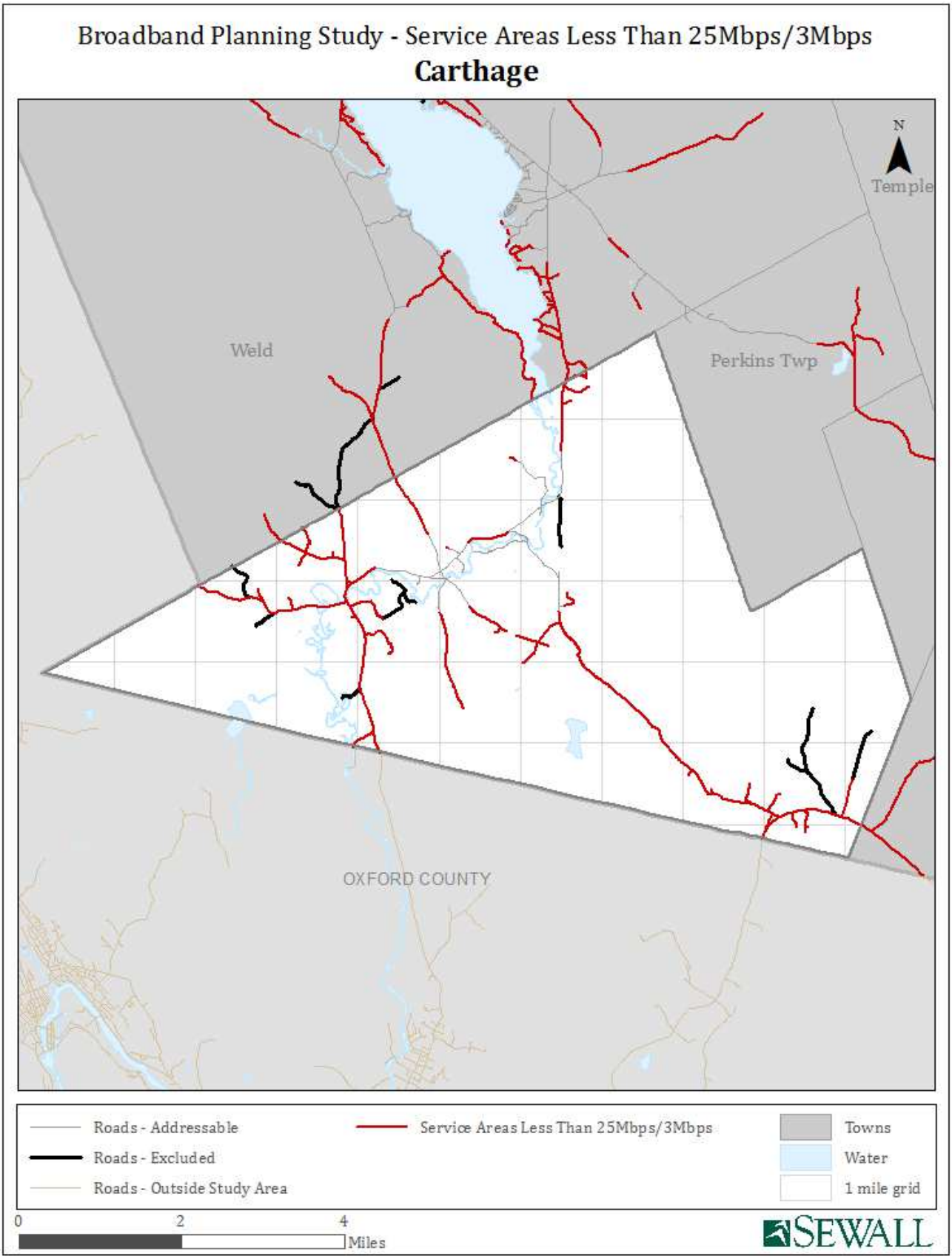
Carthage Service Areas less than 1 Gbps/1 Gbps Map 6



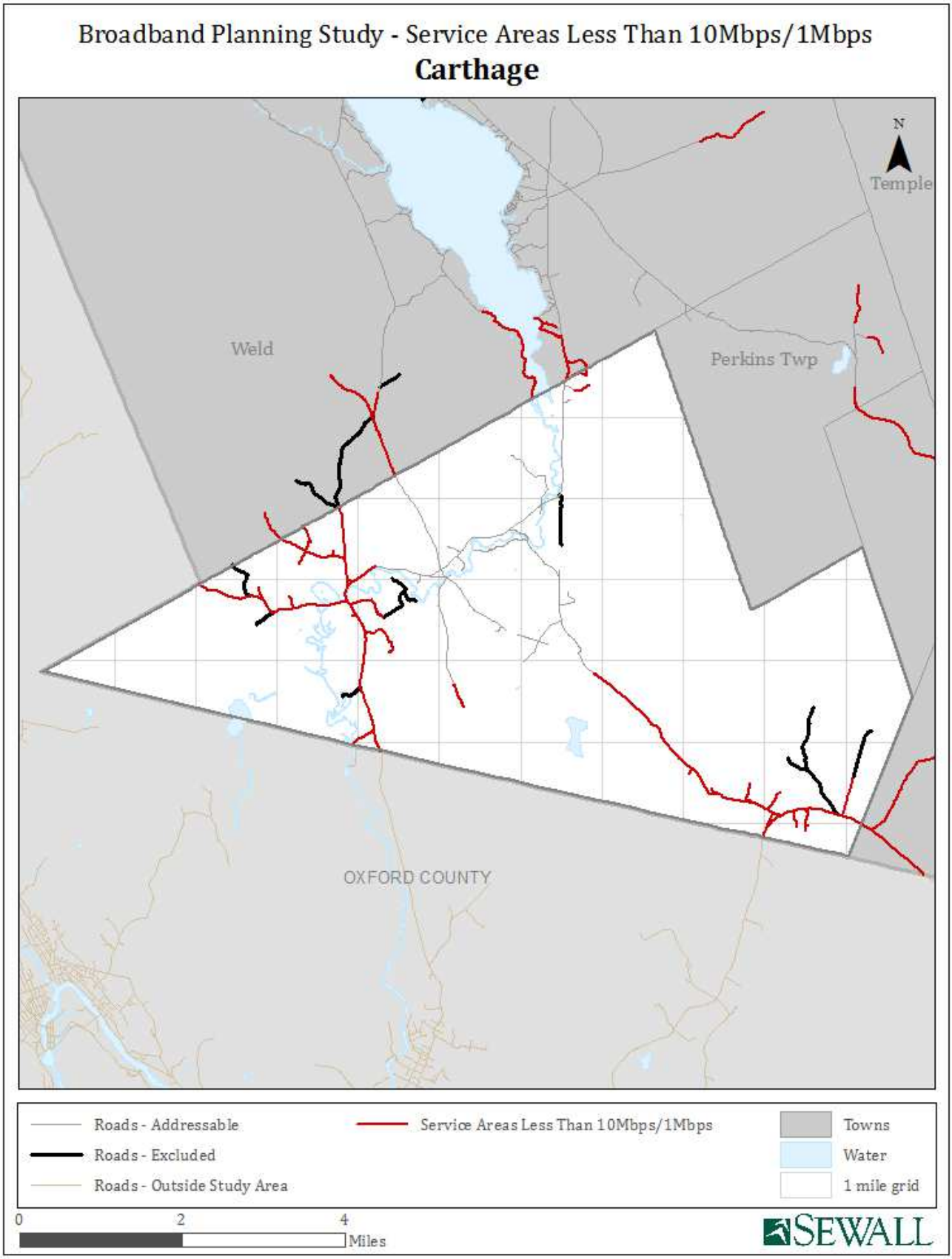
Carthage Service Areas less than 10 Mbps/10 Mbps Map 7



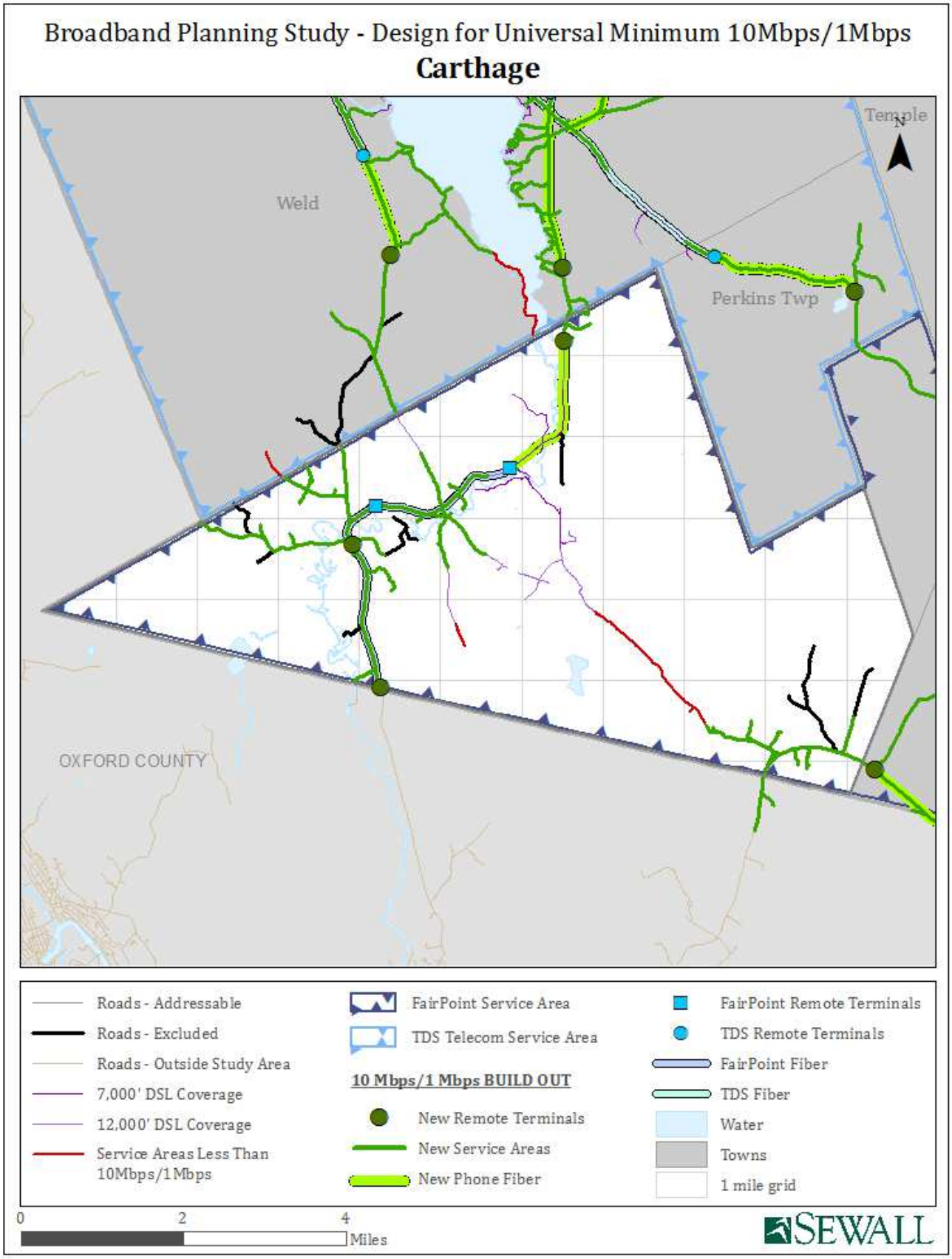
Carthage Service Areas less than 25 Mbps/3 Mbps Map 8



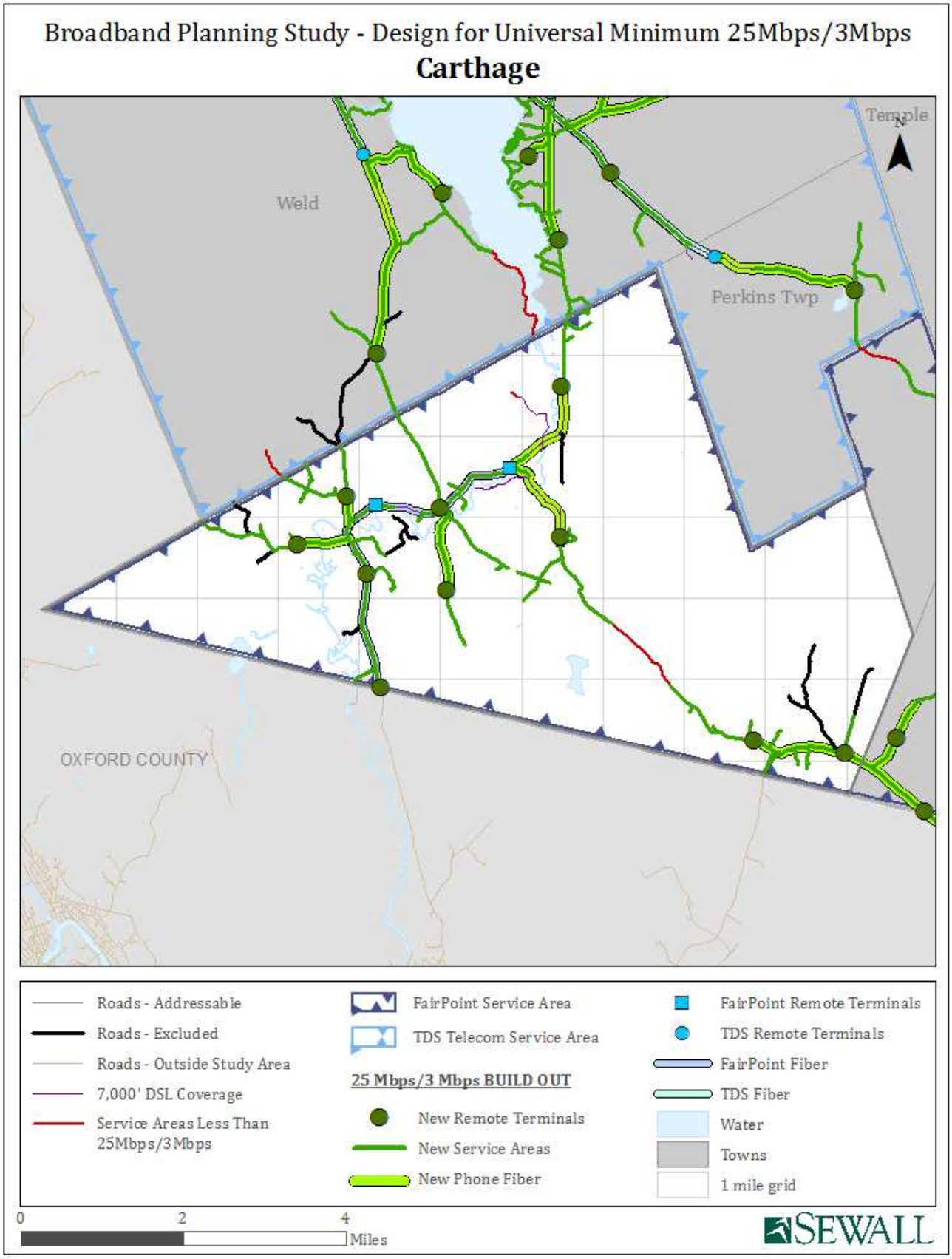
Carthage Service Areas less than 10 Mbps/1 Mbps Map 9



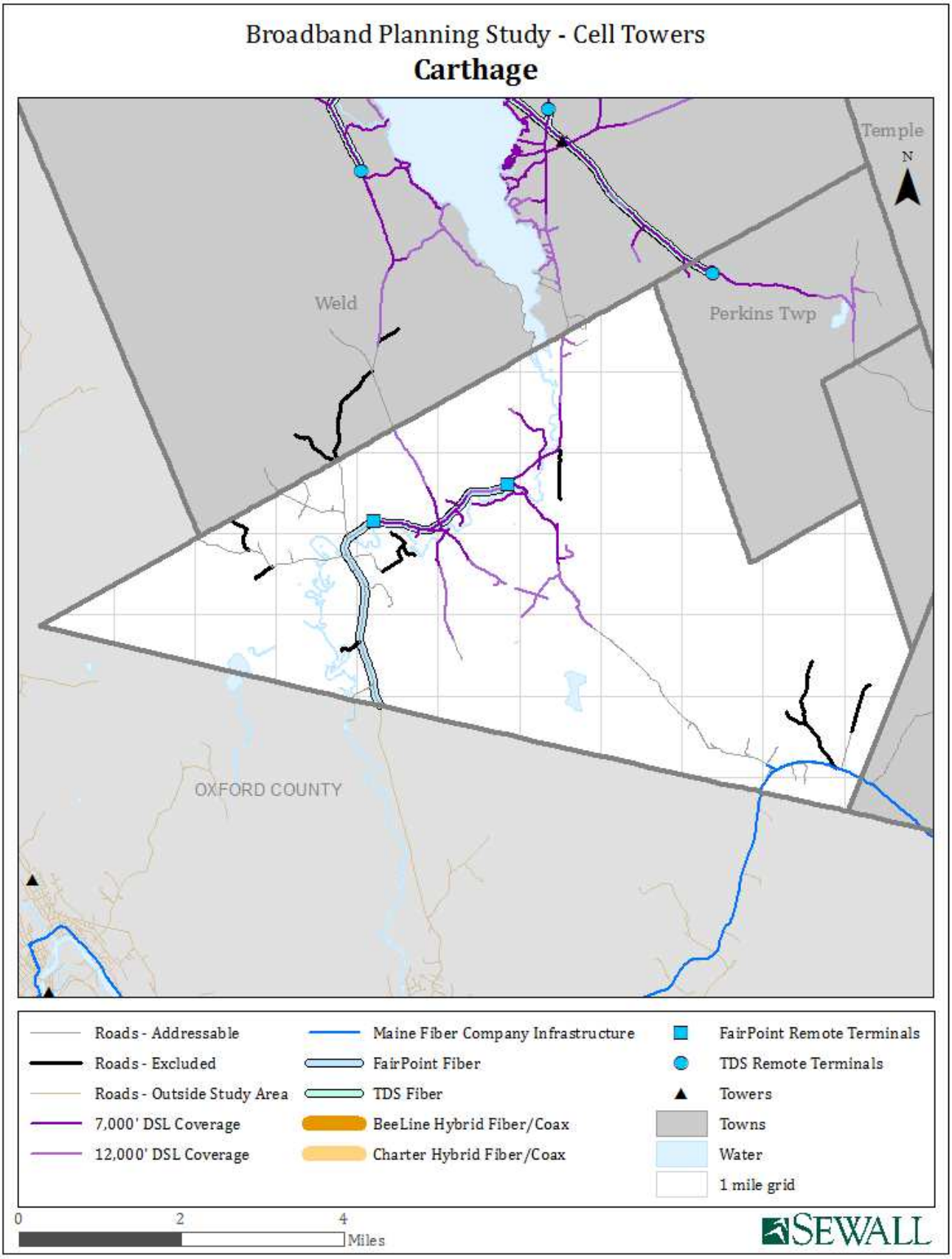
Carthage Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Carthage Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Carthage Cell Towers Map 12



C-6 Chain of Ponds Twp

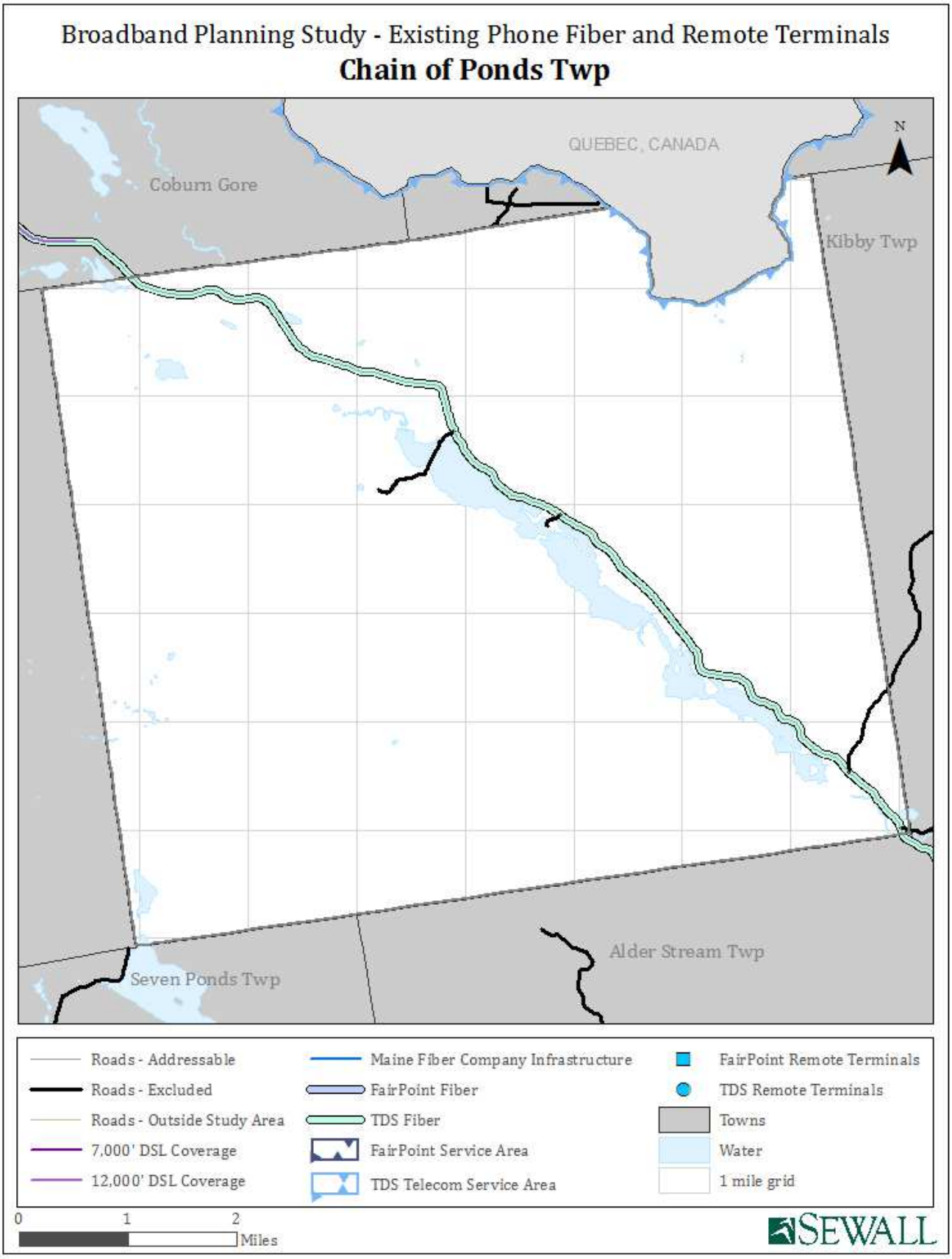
Special Considerations

Due to the lack of commercial electric service in the majority of Chain of Ponds Township, we have only included deployment of service along the Route 27 corridor between Alder Stream Township and Coburn Gore.

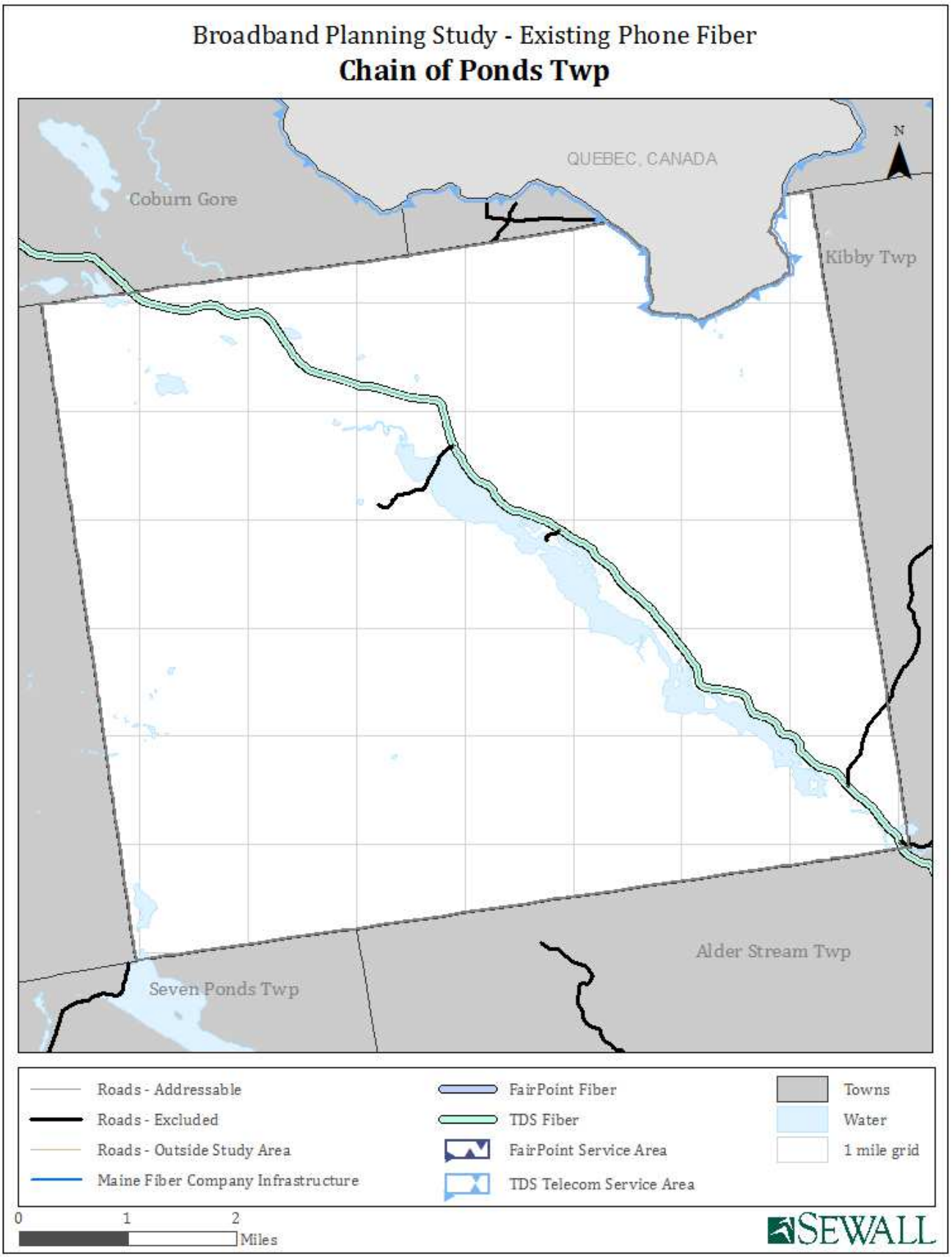
In order to provide connectivity, Chain of Ponds Township will be reliant upon the extension of infrastructure from either Alder Stream Township or Coburn Gore. Given this reliance, we recommend that any solution for Chain of Ponds Township is incorporated in a regional approach with its neighbors.

Chain of Ponds Township				
Statistical Data	**Cost**	**Unit**	**Chain of Ponds Twp**	**Study Area Totals**
911 Addresses			27	**22,824**
Total Road Mileage			11.7	**1,637**
Phone Fiber Mileage			9.5	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	9.5	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	14	**22,500**
Potential Subscribers per mile			*1*	***17***
Total Cost			**$389,348**	**$69,872,775**
Per Potential Subscriber			*$27,811*	***$3,105***
Per Mile			*$41,033*	*$51,640*
10M/10M Gap Miles	$35,000	mile	9.5	**900**
10M/10M Gap 911 Addresses	$ 350	sub	14	**8,351**
Potential Subscribers per mile			*1*	***9***
Total Cost			**$337,004**	**$34,438,469**
Per Potential Subscriber			*$24,072*	***$4,124***
Per Mile			*$35,516*	*$38,246*
Potential private investment			$24,861	$15,969,618
Potential public subsidy			$312,143	$18,468,851
25M/3M Gap Miles			9.5	**650**
25M/3M Gap 911 Addresses			14	**4,931**
25M/3M New RT Quantity	$25,000		3	**270**
25M/3M New Fiber Miles	$25,000		-	**182**
Potential Subscribers per mile			*1*	***8***
Total Cost			$75,000	$11,305,524
Per Potential Subscriber			*$5,357*	*$2,293*
Potential private investment			$5,533	$4,286,572
Potential public subsidy			$69,467	$7,018,952
10M/1M Gap Miles			9.5	**407**
10M/1M Gap 911 Addresses			14	**2,925**
10M/1M New RT Quantity	$25,000		2	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			*1*	***7***
Total Cost			$50,000	$4,167,973
Per Potential Subscriber			*$3,571*	*$1,425*
Potential private investment			$3,689	$1,497,587
Potential public subsidy			$46,311	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			20	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$1,260	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$6,263	$893,026
Insurance	$185	mile	$1,753	$250,000
OSP Restoration & Maintenance	$200	mile	$1,898	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$175	$281,250
Administration	$30	sub	$210	$337,500
Total Operating Expense			**$10,298**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($9,038)**	**($7,390)**

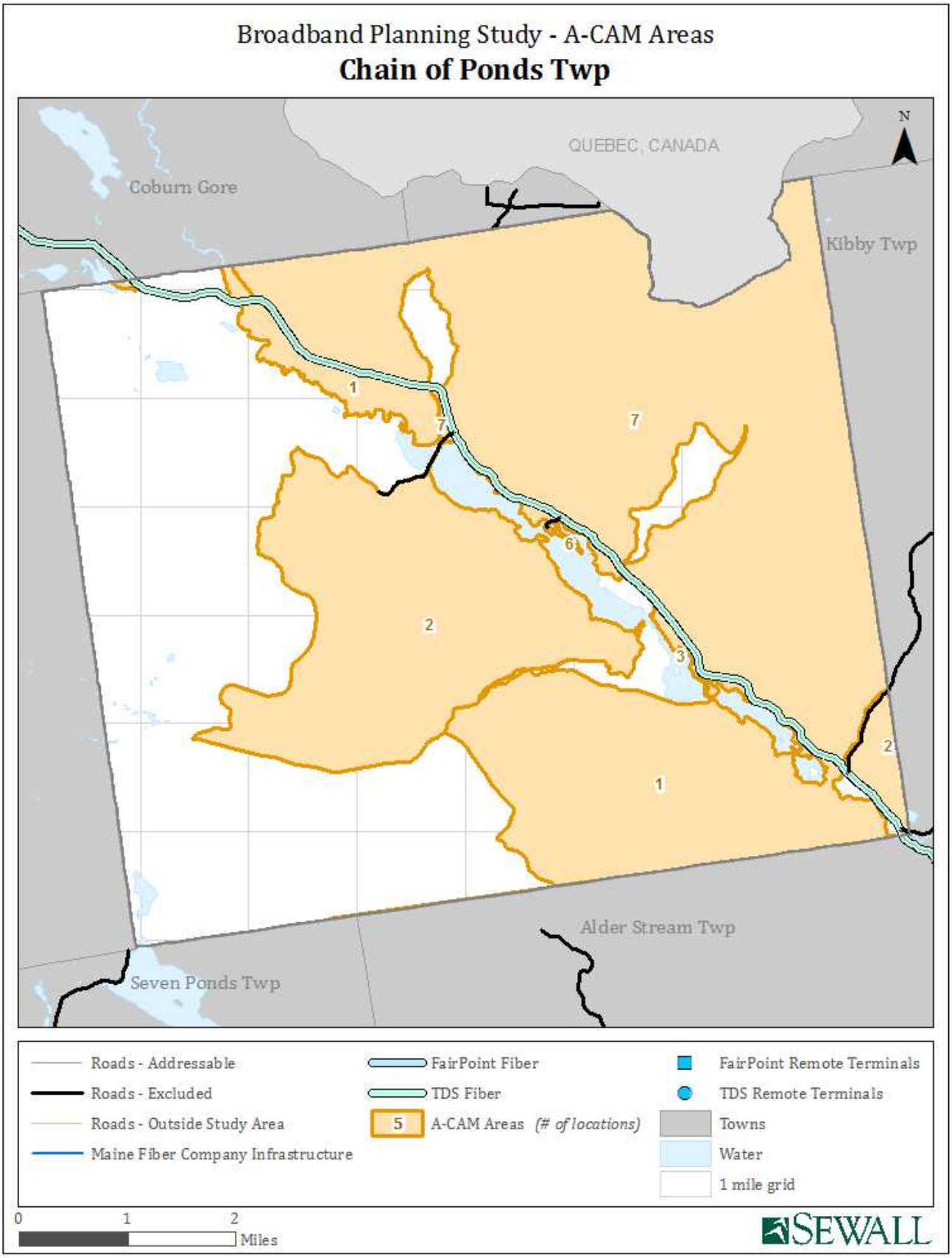
Chain of Ponds Twp Existing Phone Fiber & Remote Terminals Map 1



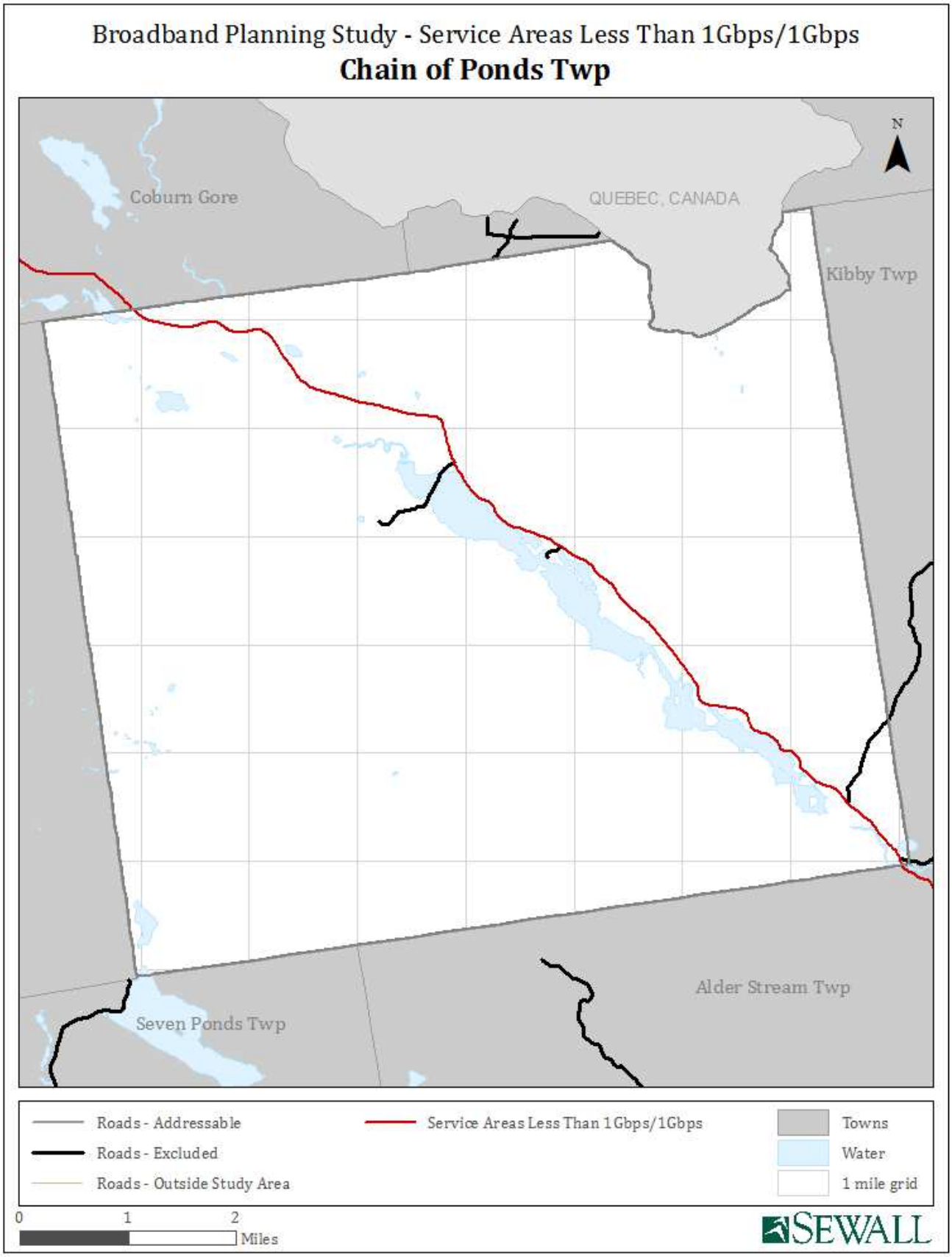
Chain of Ponds Twp Existing Phone Fiber Map 2



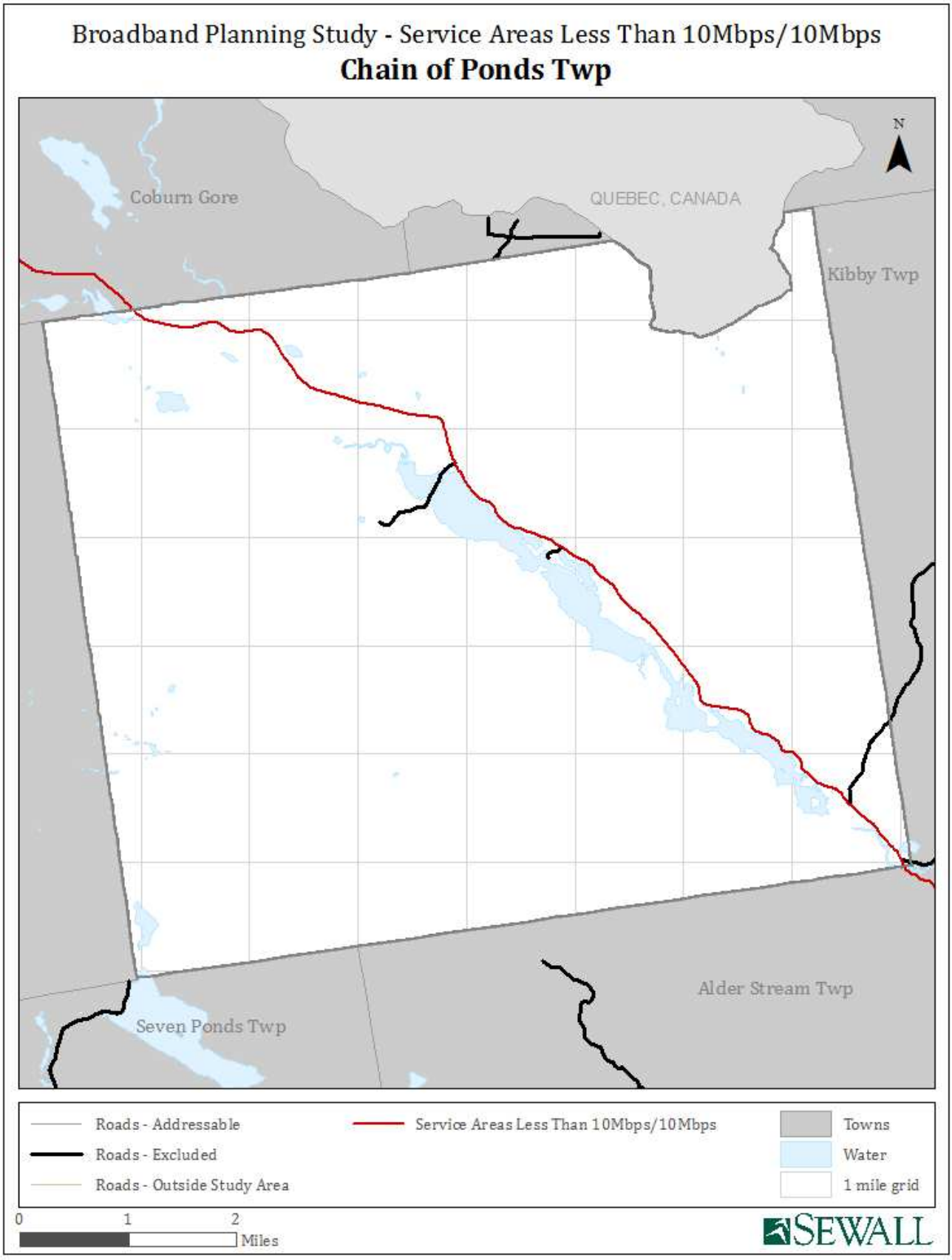
Chain of Ponds Twp A-CAM Map 4



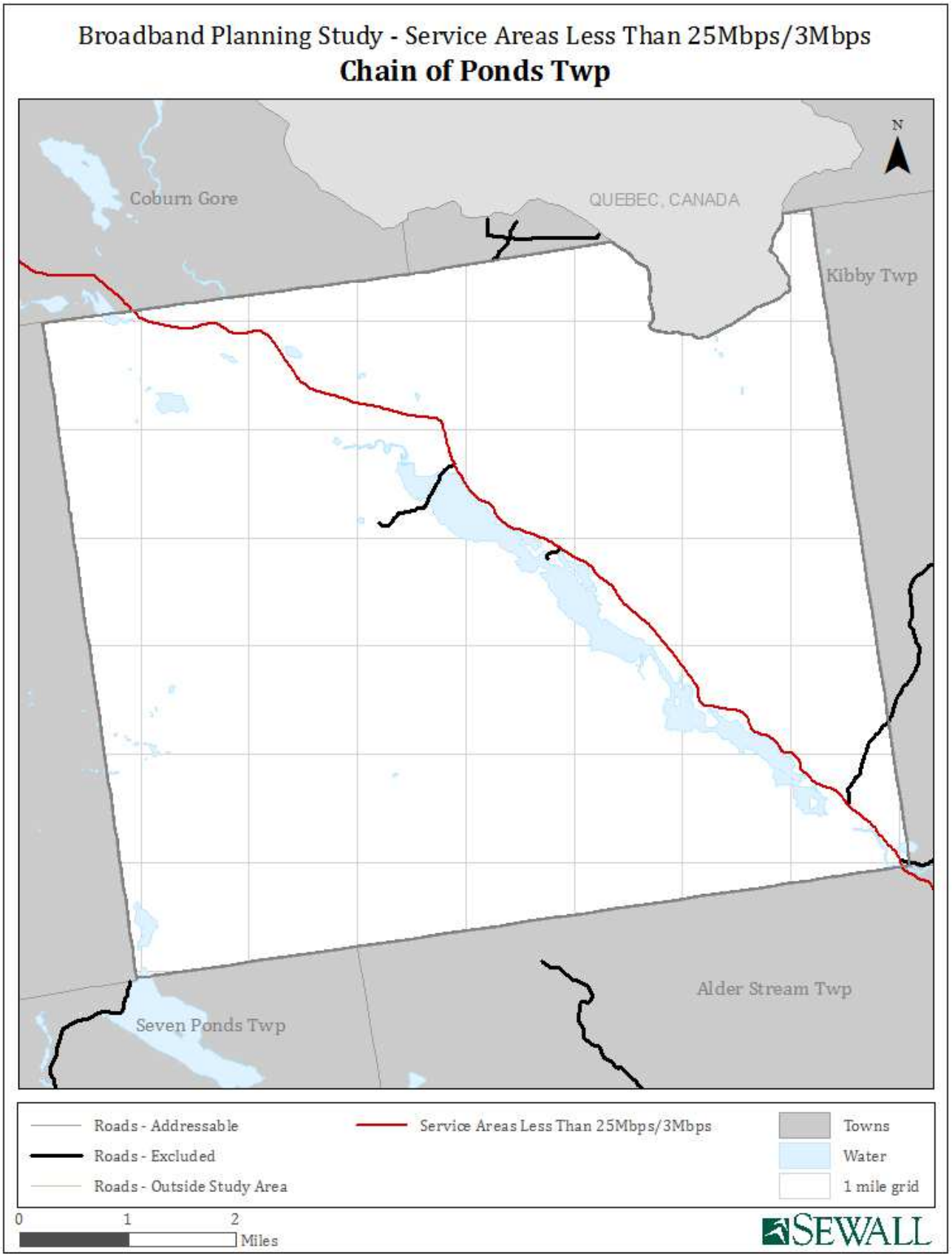
Chain of Ponds Twp Service Areas less than 1 Gbps/1 Gbps Map 6



Chain of Ponds Twp Service Areas less than 10 Mbps/10 Mbps Map 7

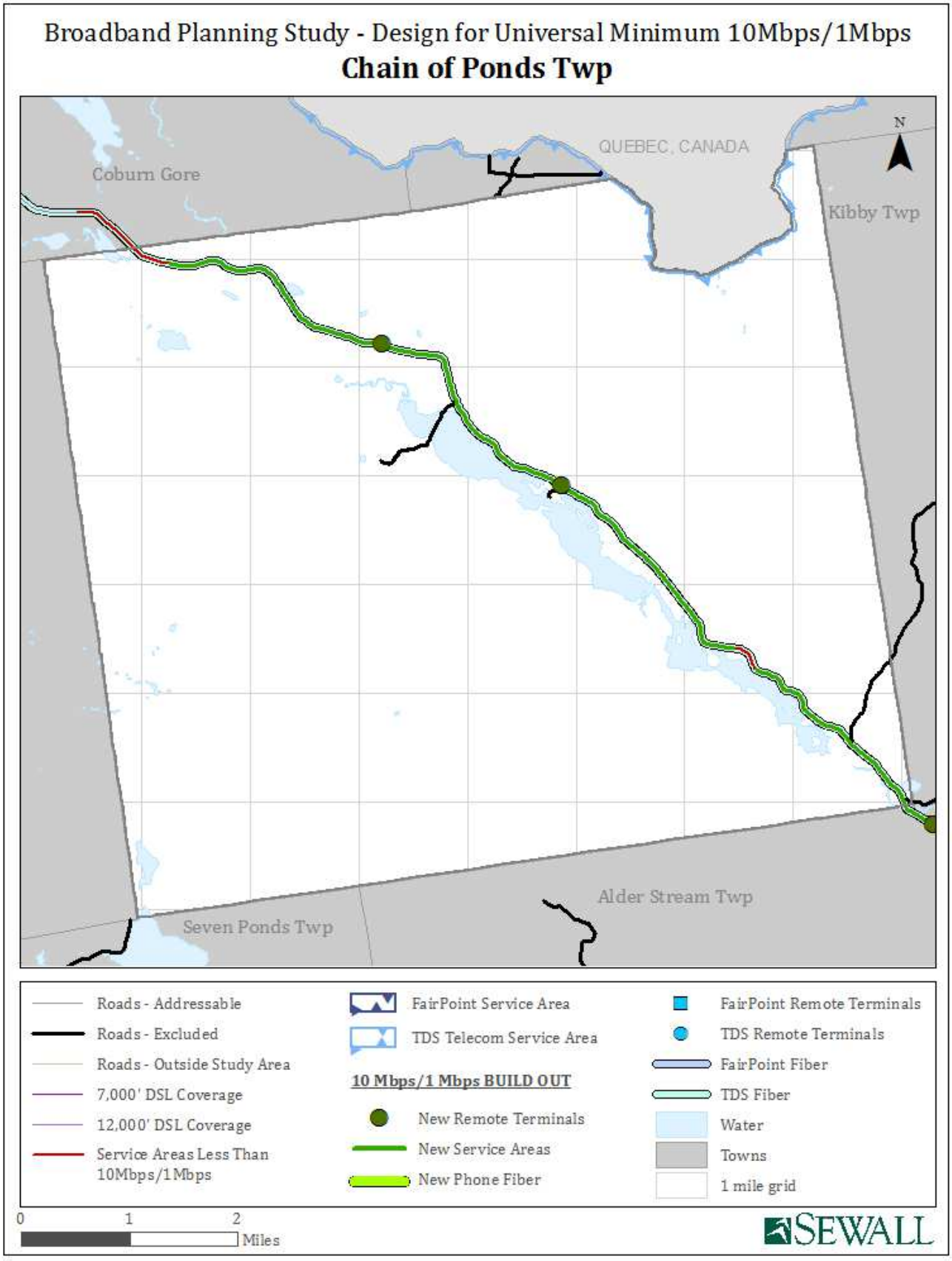


Chain of Ponds Twp Service Areas less than 25 Mbps/3 Mbps Map 8

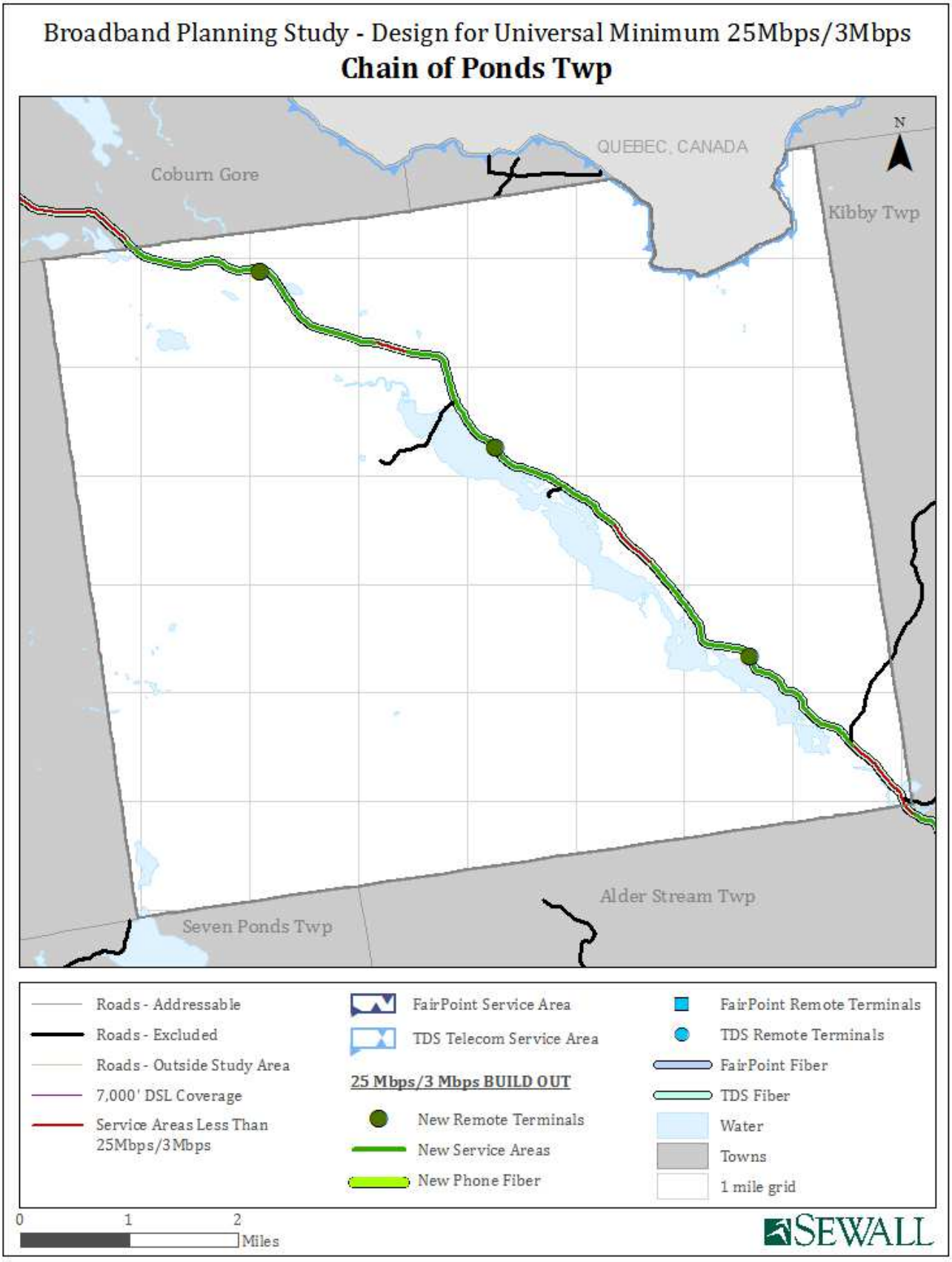


Chain of Ponds Twp Service Areas less than 10 Mbps/1 Mbps Map 9

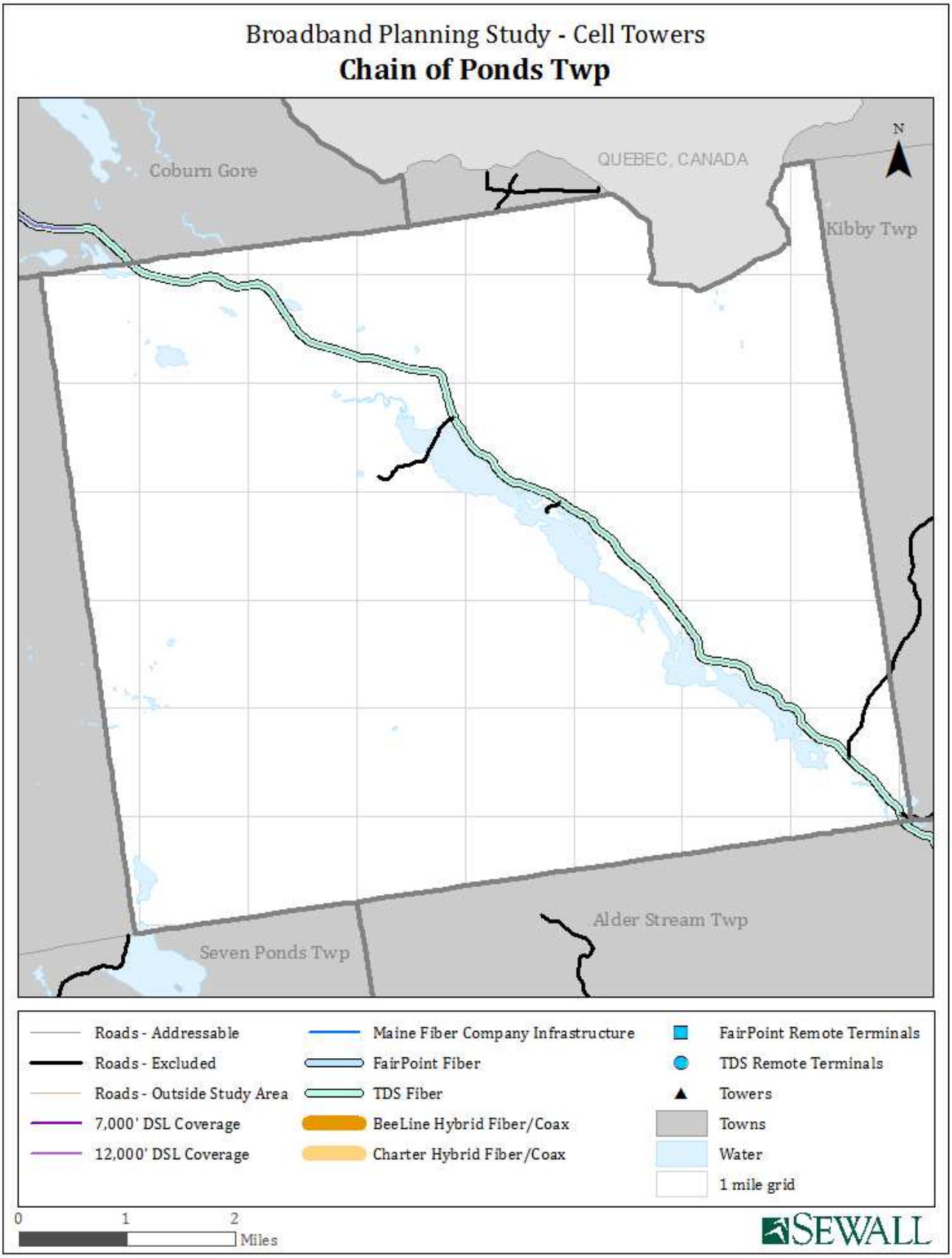
Chain of Ponds Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Chain of Ponds Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Chain of Ponds Twp Cell Towers Map 12



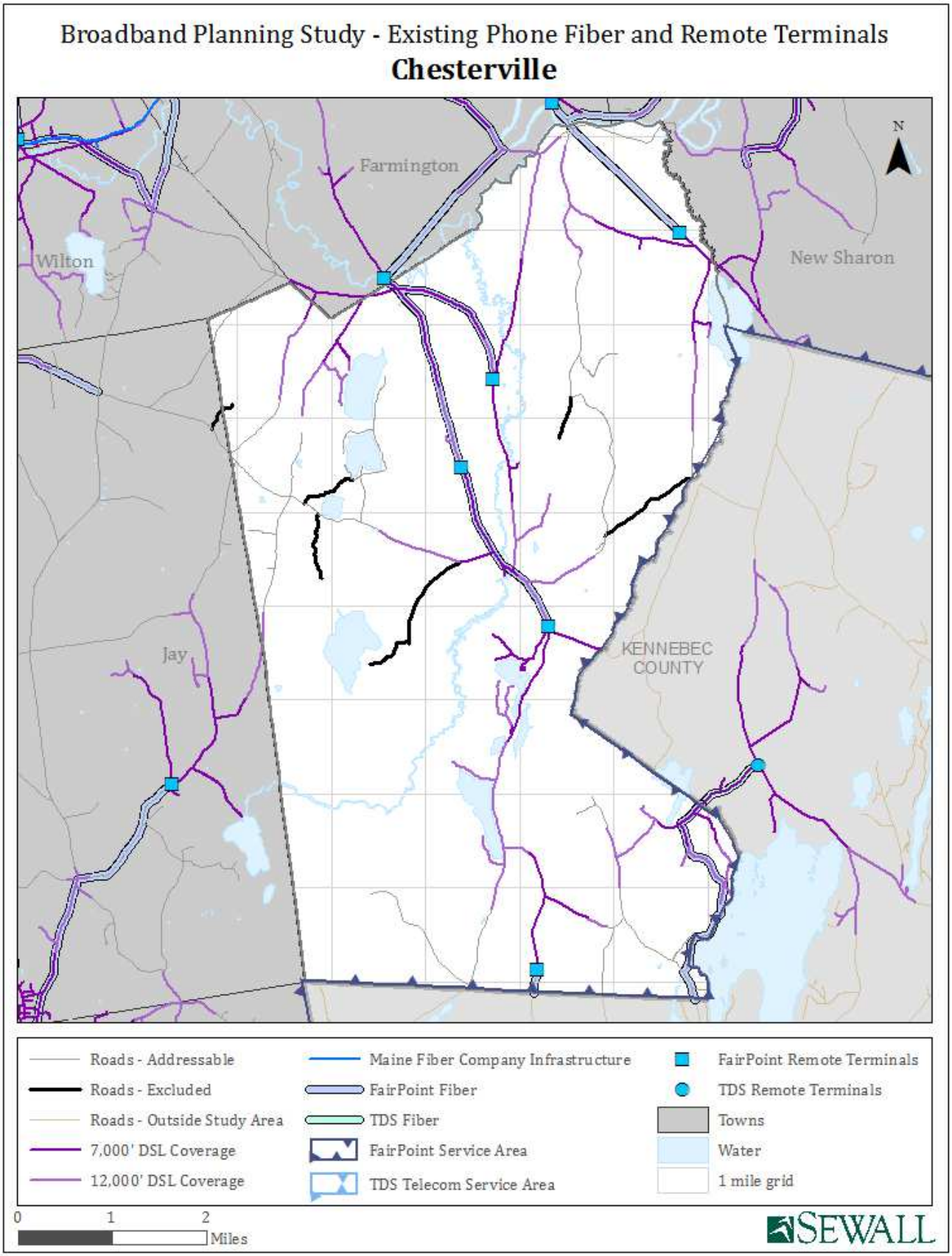
C-7 Chesterville

Special Considerations

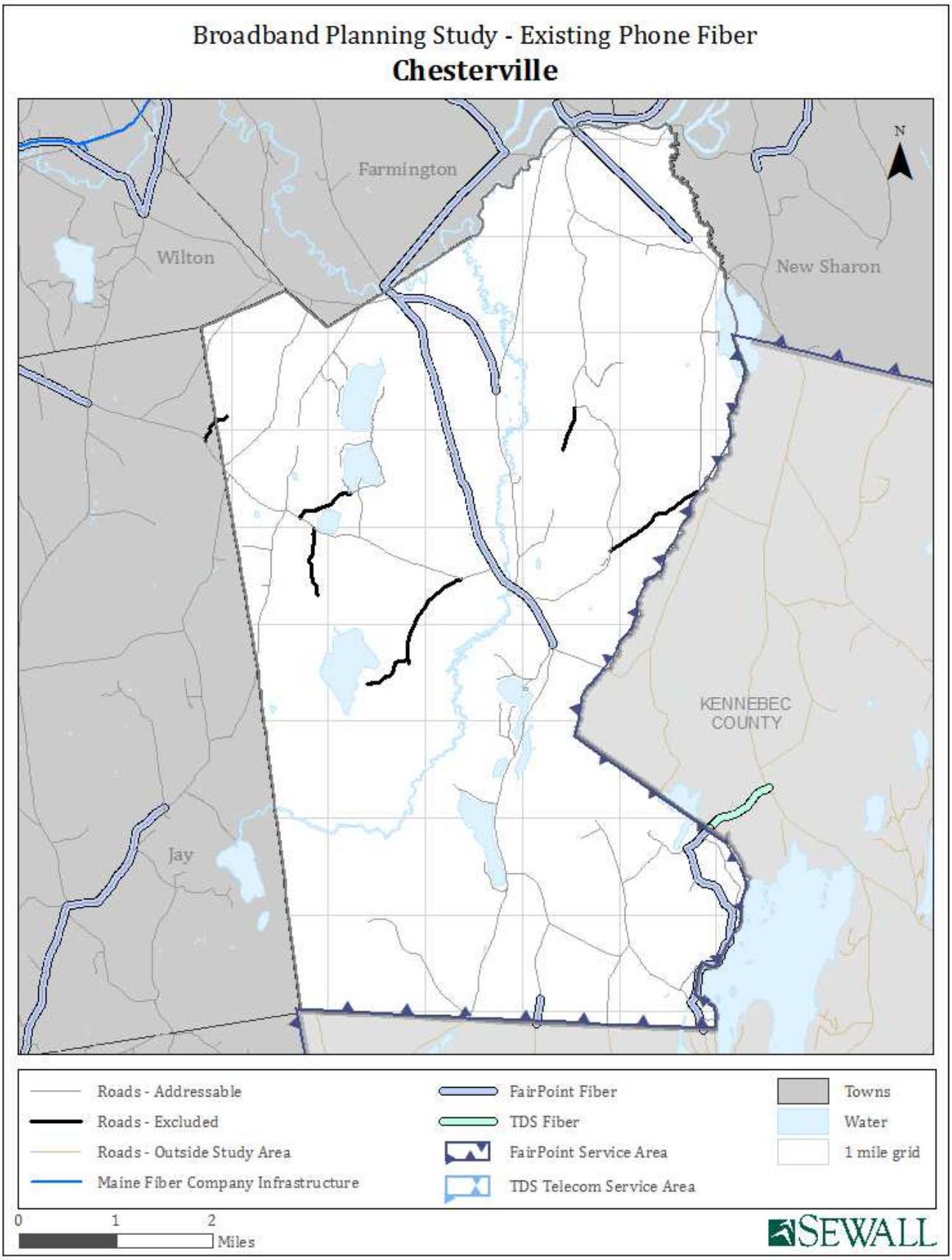
None

Chesterville				
Statistical Data	**Cost**	**Unit**	**Chesterville**	**Study Area Totals**
911 Addresses			713	**22,824**
Total Road Mileage			66.5	**1,637**
Phone Fiber Mileage			10.3	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	61.7	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	708	**22,500**
Potential Subscribers per mile			*11*	***17***
Total Cost			**$2,963,649**	**$69,872,775**
Per Potential Subscriber			*$4,186*	***$3,105***
Per Mile			*$48,032*	*$51,640*
10M/10M Gap Miles	$35,000	mile	61.7	**900**
10M/10M Gap 911 Addresses	$ 350	sub	708	**8,351**
Potential Subscribers per mile			*11*	***9***
Total Cost			**$2,407,342**	**$34,438,469**
Per Potential Subscriber			*$3,400*	***$4,124***
Per Mile			*$39,016*	*$38,246*
Potential private investment			$1,381,171	$15,969,618
Potential public subsidy			$1,026,172	$18,468,851
25M/3M Gap Miles			43.6	**650**
25M/3M Gap 911 Addresses			483	**4,931**
25M/3M New RT Quantity	$25,000		20	**270**
25M/3M New Fiber Miles	$25,000		14.7	**182**
Potential Subscribers per mile			*11*	***8***
Total Cost			$866,412	$11,305,524
Per Potential Subscriber			*$1,794*	*$2,293*
Potential private investment			$479,680	$4,286,572
Potential public subsidy			$386,732	$7,018,952
10M/1M Gap Miles			24.0	**407**
10M/1M Gap 911 Addresses			246	**2,925**
10M/1M New RT Quantity	$25,000		6	**93**
10M/1M New Fiber Miles	$25,000		4.9	**74**
Potential Subscribers per mile			*10*	***7***
Total Cost			$273,257	$4,167,973
Per Potential Subscriber			*$1,111*	*$1,425*
Potential private investment			$140,263	$1,497,587
Potential public subsidy			$132,994	$2,670,386
CAF-II Funded Locations			238	**2,429**
A-CAM Funded Locations			-	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$63,720	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$40,723	$893,026
Insurance	$185	mile	$11,400	$250,000
OSP Restoration & Maintenance	$200	mile	$12,340	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$8,850	$281,250
Administration	$30	sub	$10,620	$337,500
Total Operating Expense			**$83,933**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($20,213)**	**($7,390)**

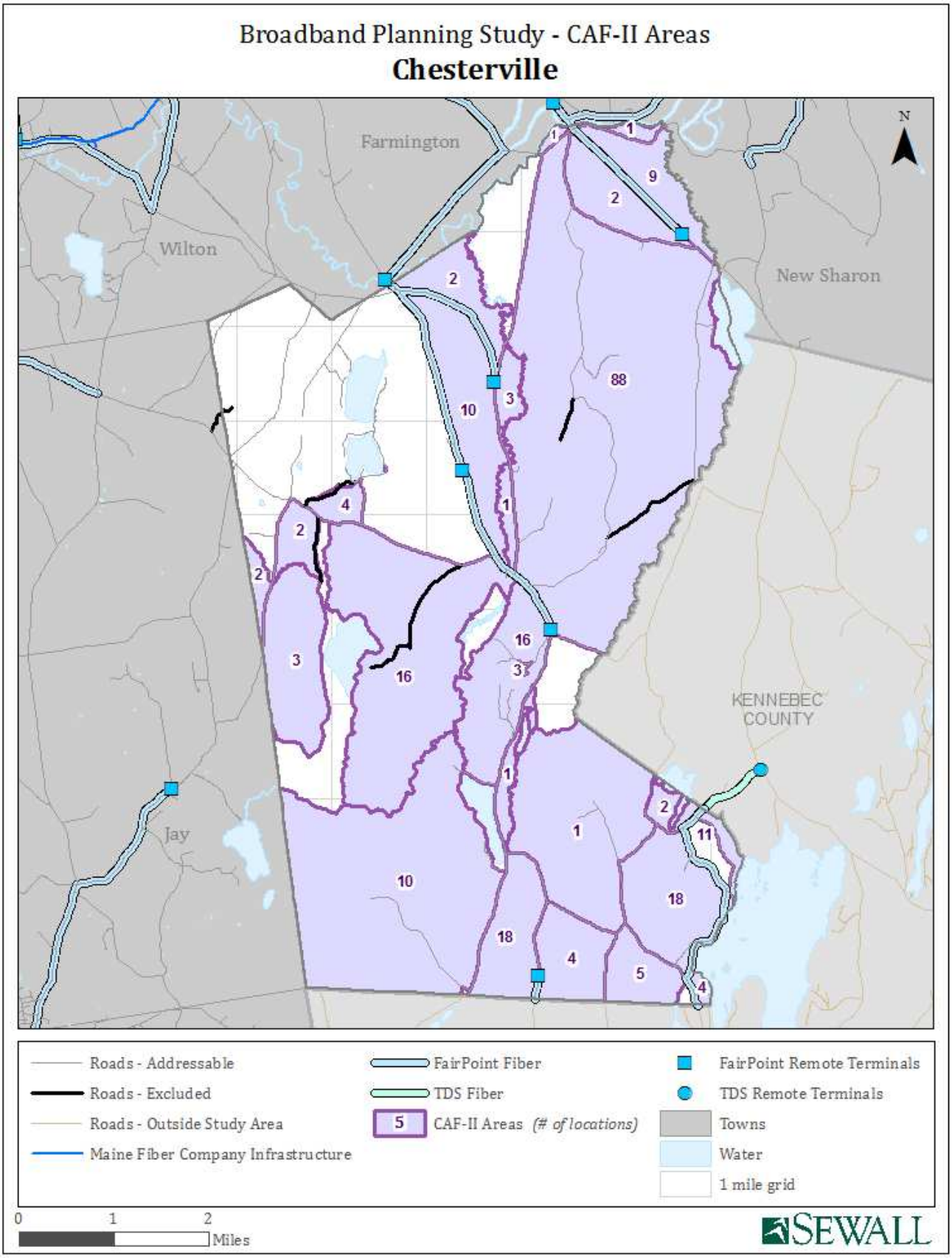
Chesterville Existing Phone Fiber & Remote Terminals Map 1



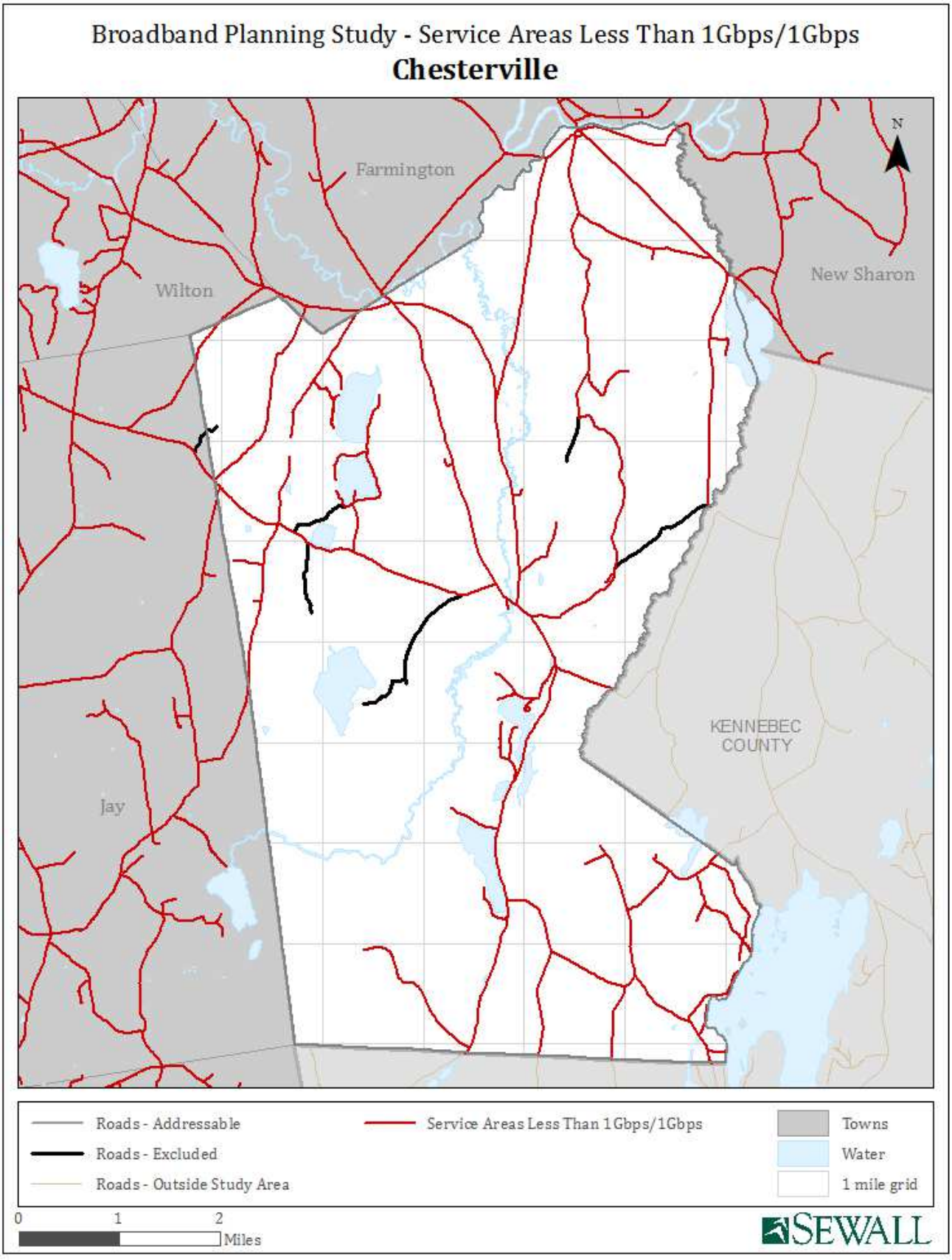
Chesterville Existing Phone Fiber Map 2



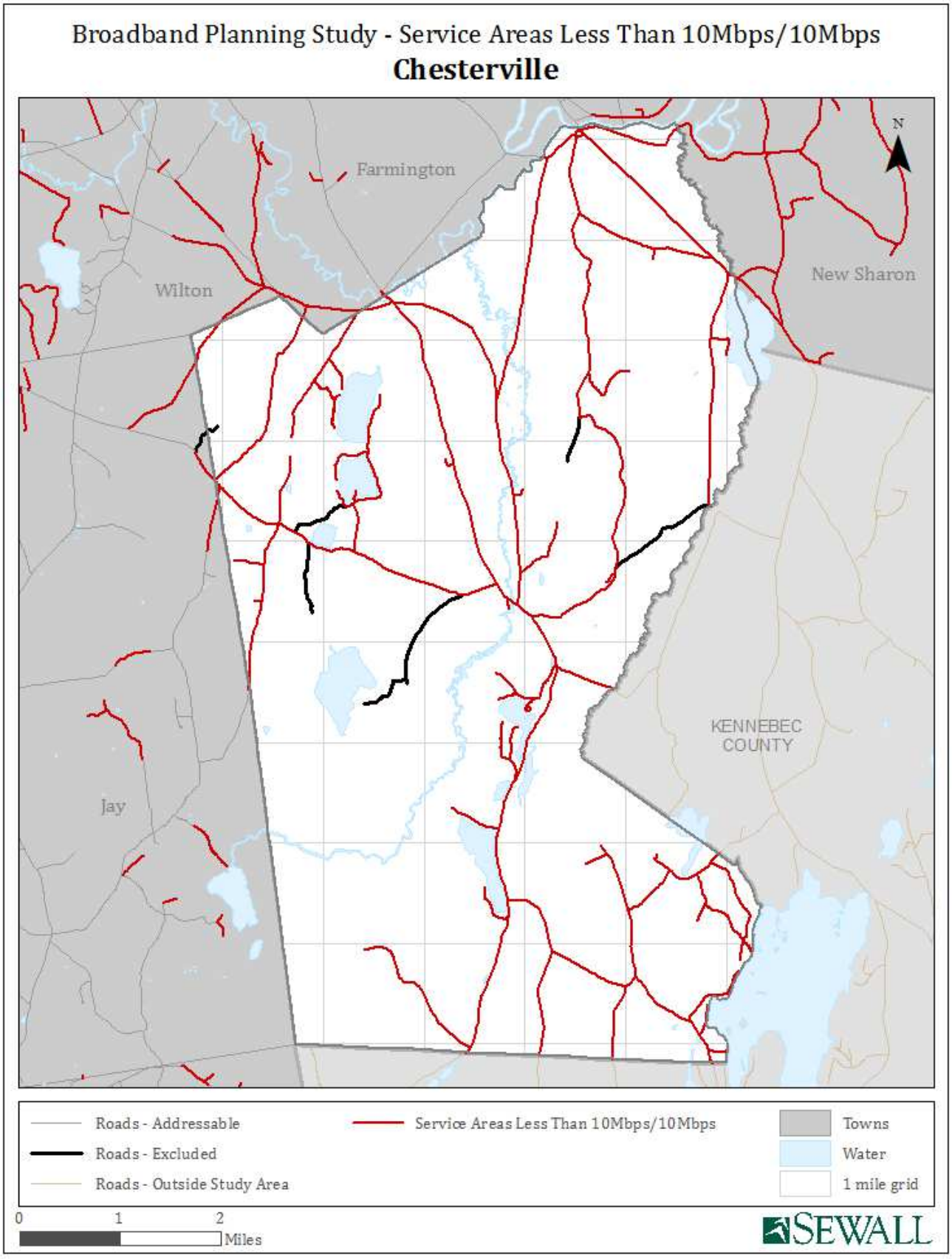
Chesterville CAF-II Map 3



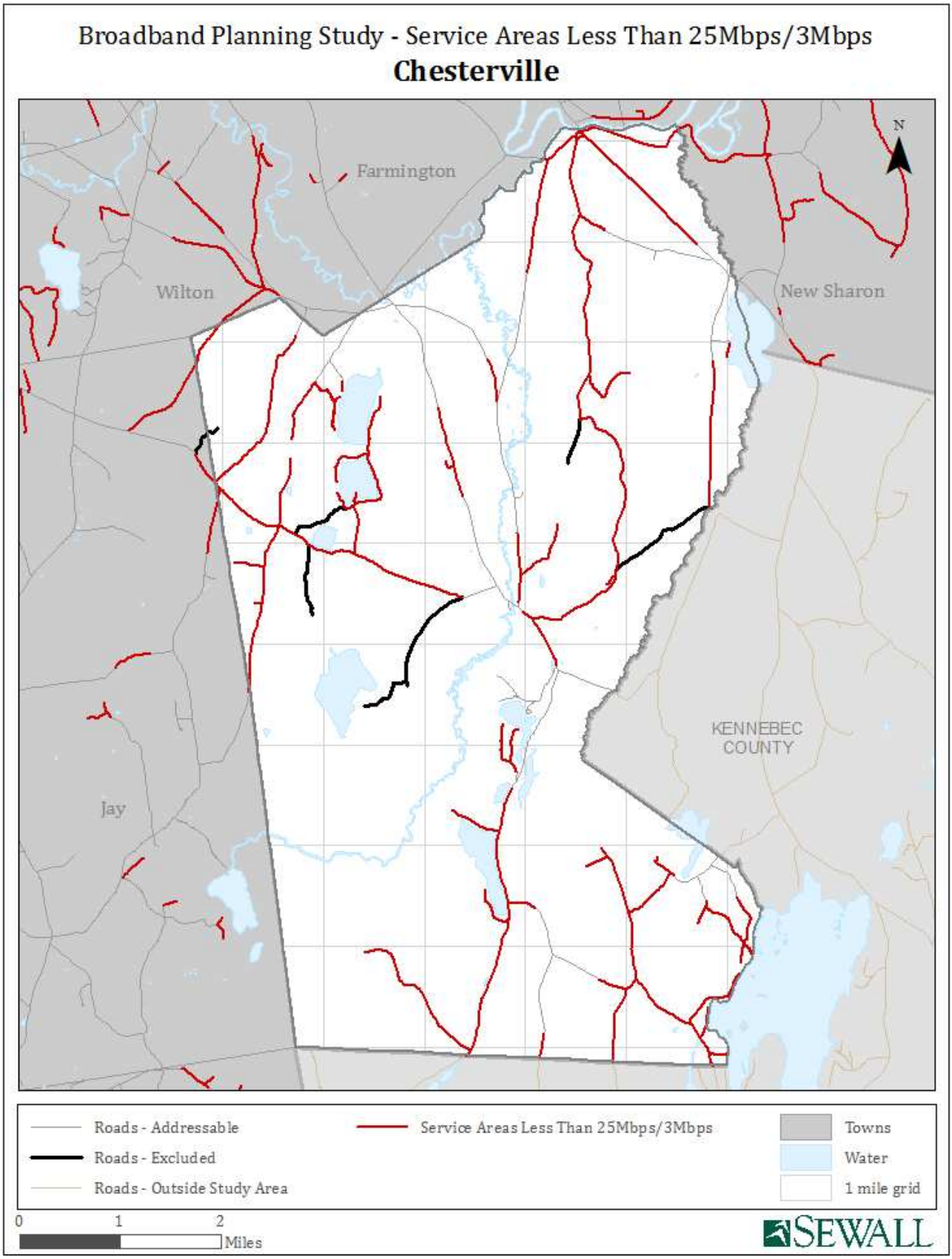
Chesterville Service Areas less than 1 Gbps/1 Gbps Map 6



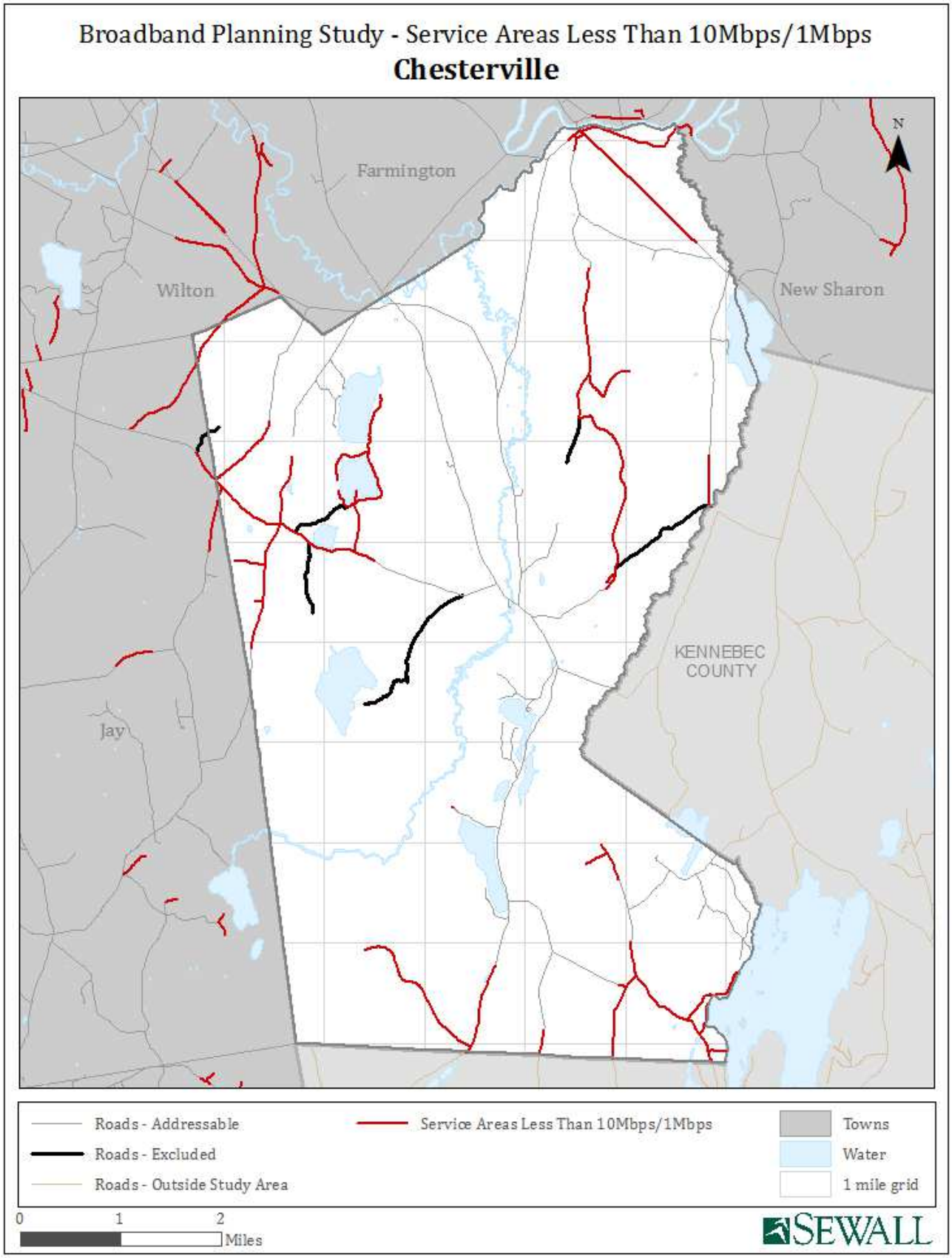
Chesterville Service Areas less than 10 Mbps/10 Mbps Map 7



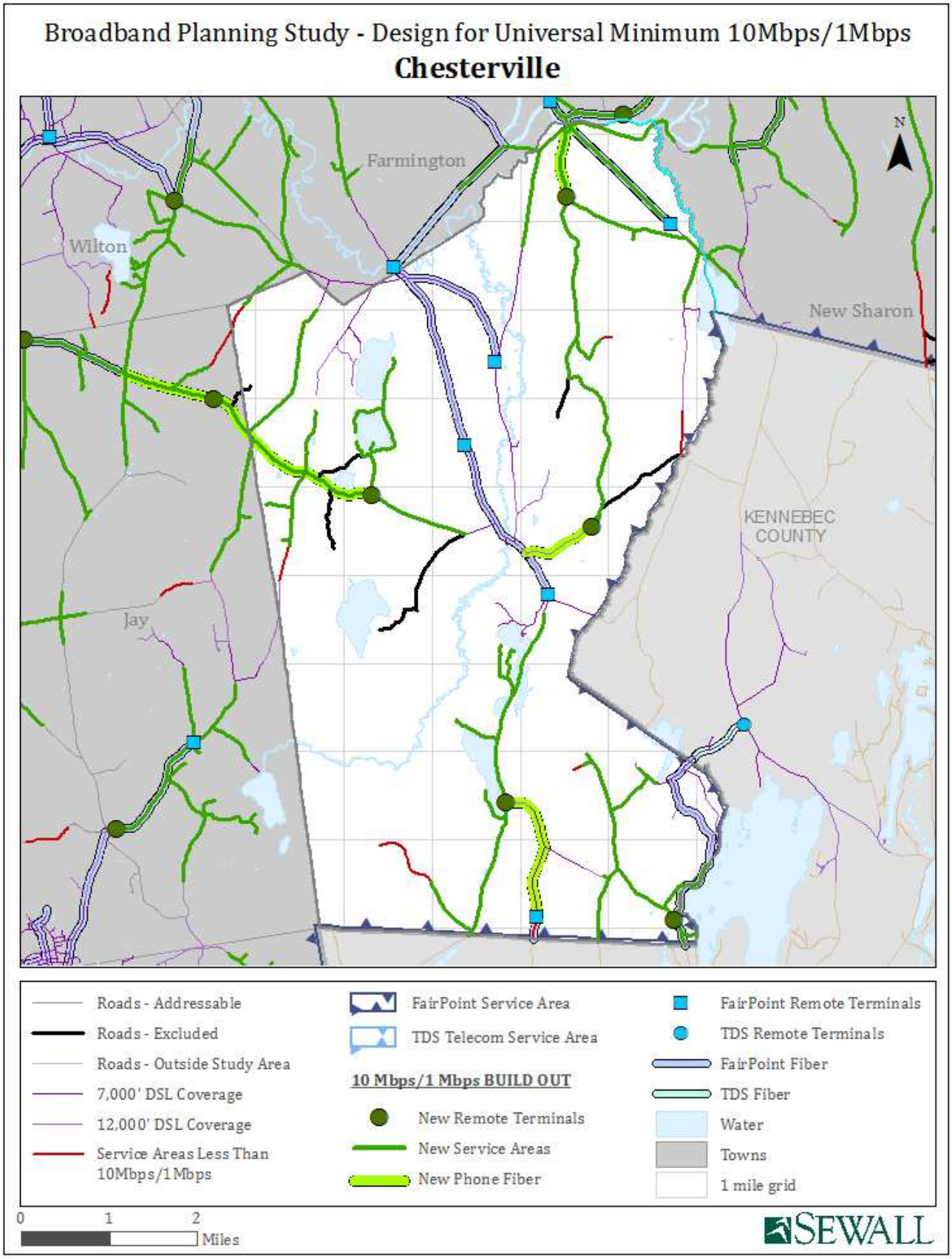
Chesterville Service Areas less than 25 Mbps/3 Mbps Map 8



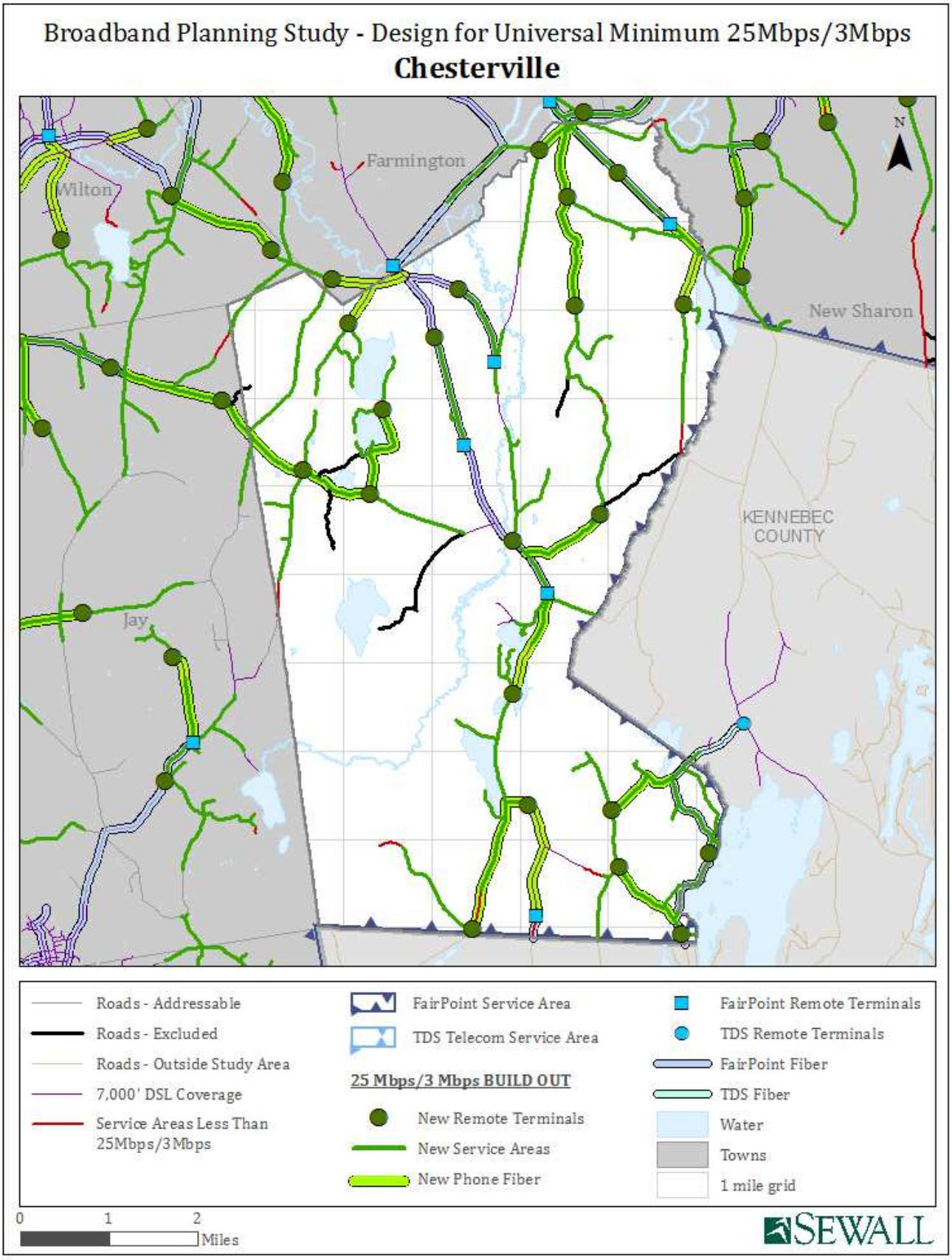
Chesterville Service Areas less than 10 Mbps/1 Mbps Map 9



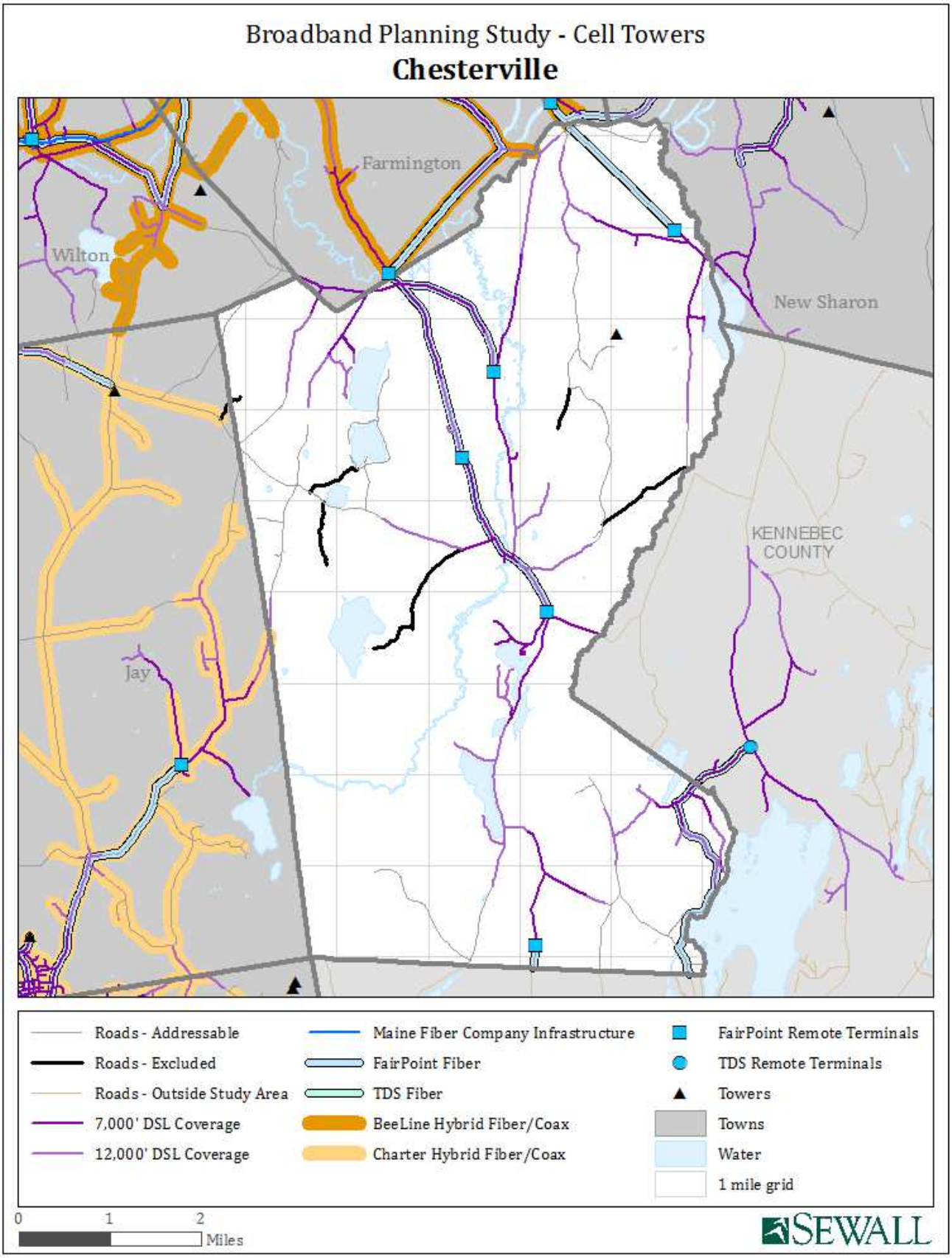
Chesterville Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Chesterville Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Chesterville Cell Towers Map 12



C-8 Coburn Gore

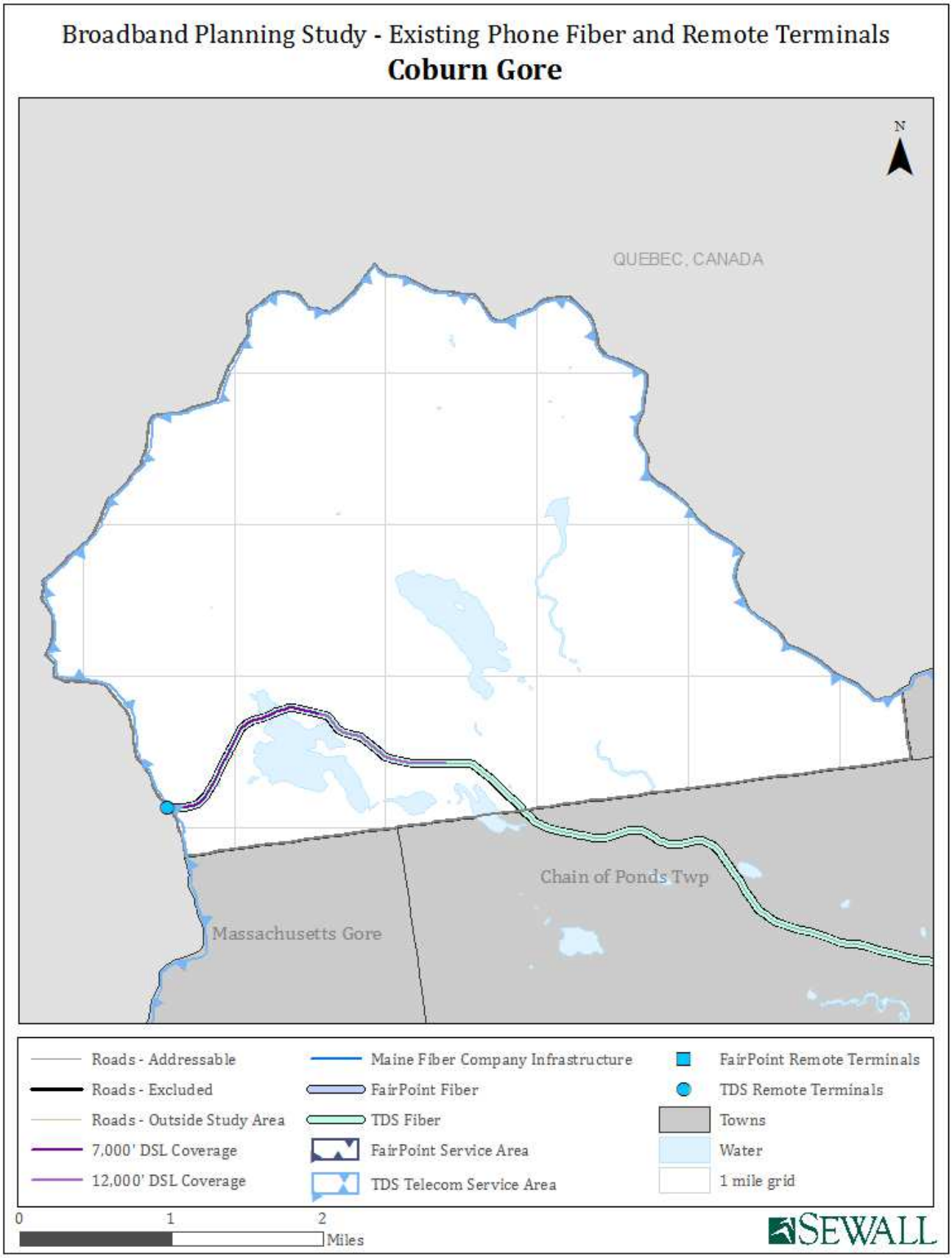
Special Considerations

Due to the lack of commercial electric service in the majority of Coburn Gore, we have only included deployment of service along the Route 27 corridor.

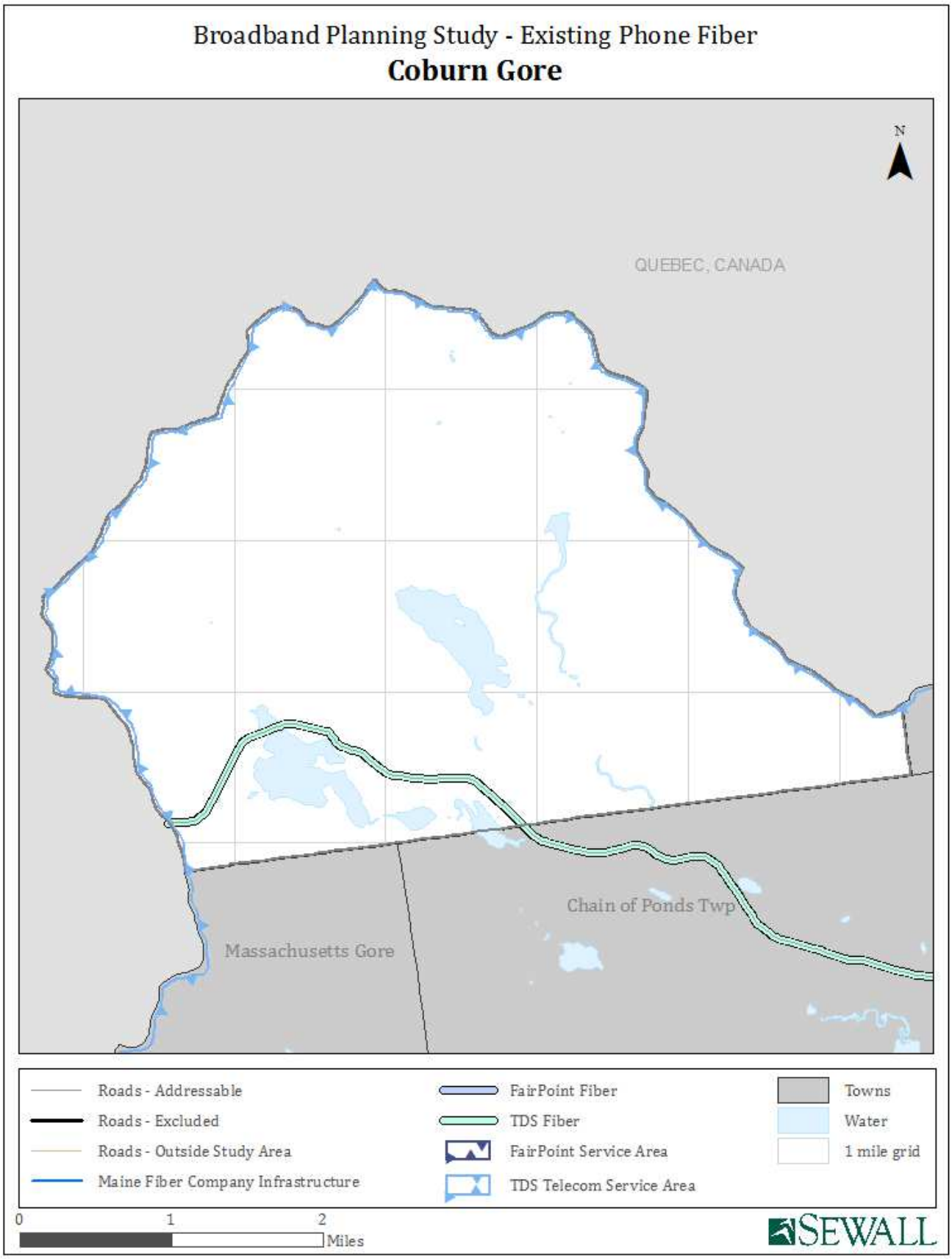
In order to provide connectivity, Coburn Gore will be reliant upon the extension of infrastructure from Chain of Ponds Township. Given this reliance, we recommend that any solution for Coburn Gore is incorporated in a regional approach with Chain of Ponds Township.

Coburn Gore				
Statistical Data	**Cost**	**Unit**	**Coburn Gore**	**Study Area Totals**
911 Addresses			37	**22,824**
Total Road Mileage			2.9	**1,637**
Phone Fiber Mileage			2.9	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	2.9	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	21	**22,500**
Potential Subscribers per mile			*7*	***17***
Total Cost			**$131,203**	**$69,872,775**
Per Potential Subscriber			*$6,248*	***$3,105***
Per Mile			*$45,047*	*$51,640*
10M/10M Gap Miles	$35,000	mile	2.9	**900**
10M/10M Gap 911 Addresses	$ 350	sub	21	**8,351**
Potential Subscribers per mile			*7*	***9***
Total Cost			**$109,290**	**$34,438,469**
Per Potential Subscriber			*$5,204*	***$4,124***
Per Mile			*$37,524*	*$38,246*
Potential private investment			$39,400	$15,969,618
Potential public subsidy			$69,891	$18,468,851
25M/3M Gap Miles			1.6	**650**
25M/3M Gap 911 Addresses			-	**4,931**
25M/3M New RT Quantity	$25,000		-	**270**
25M/3M New Fiber Miles	$25,000		-	**182**
Potential Subscribers per mile			-	***8***
Total Cost			$0	$11,305,524
Per Potential Subscriber			*#DIV/0!*	*$2,293*
Potential private investment			$0	$4,286,572
Potential public subsidy			$0	$7,018,952
10M/1M Gap Miles			0.6	**407**
10M/1M Gap 911 Addresses			-	**2,925**
10M/1M New RT Quantity	$25,000		-	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			-	***7***
Total Cost			$0	$4,167,973
Per Potential Subscriber			*#DIV/0!*	*$1,425*
Potential private investment			$0	$1,497,587
Potential public subsidy			$0	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			25	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$1,890	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$1,922	$893,026
Insurance	$185	mile	$538	$250,000
OSP Restoration & Maintenance	$200	mile	$583	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$263	$281,250
Administration	$30	sub	$315	$337,500
Total Operating Expense			**$3,620**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($1,730)**	**($7,390)**

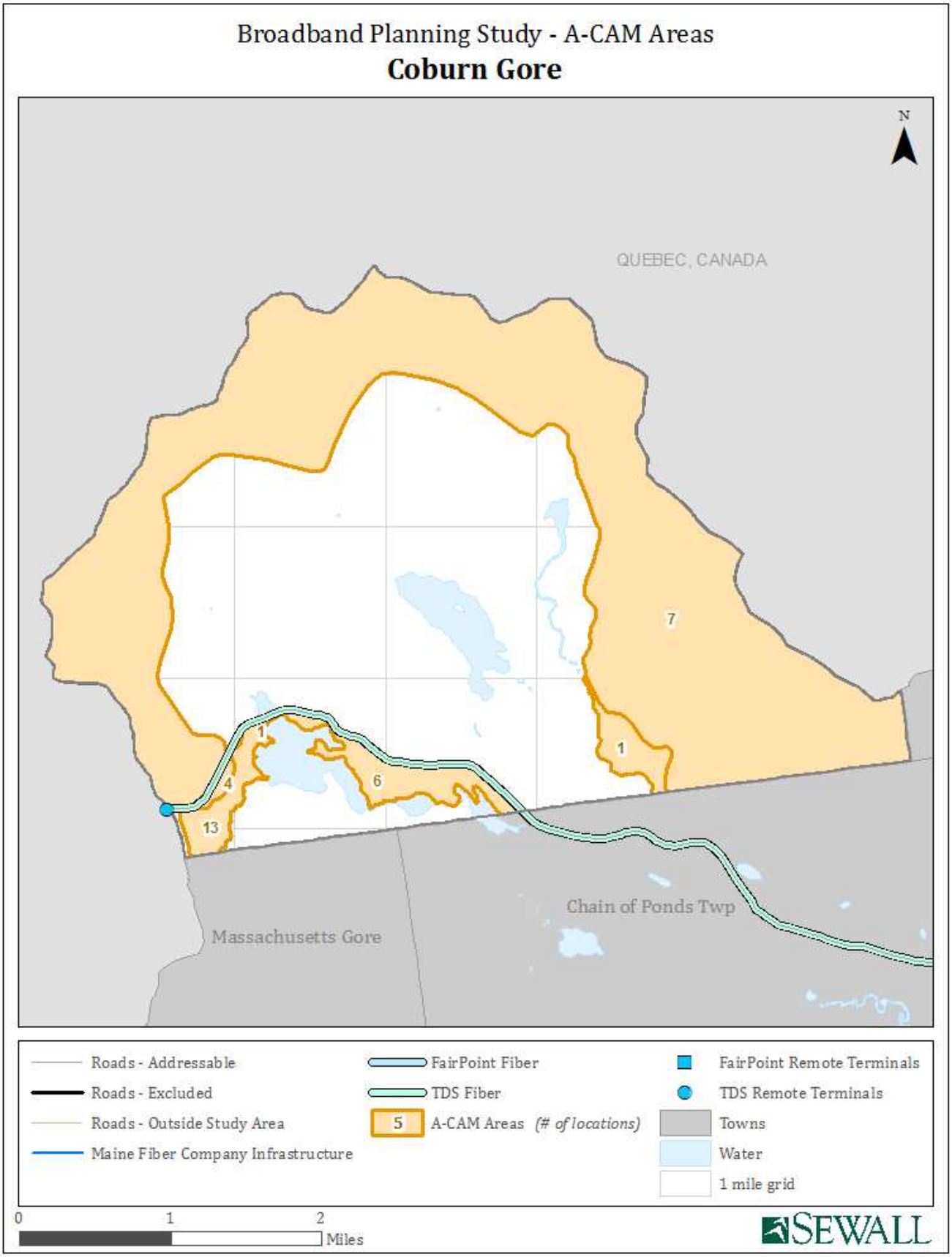
Coburn Gore Existing Phone Fiber & Remote Terminals Map 1



Coburn Gore Existing Phone Fiber Map 2



Coburn Gore A-CAM Map 4



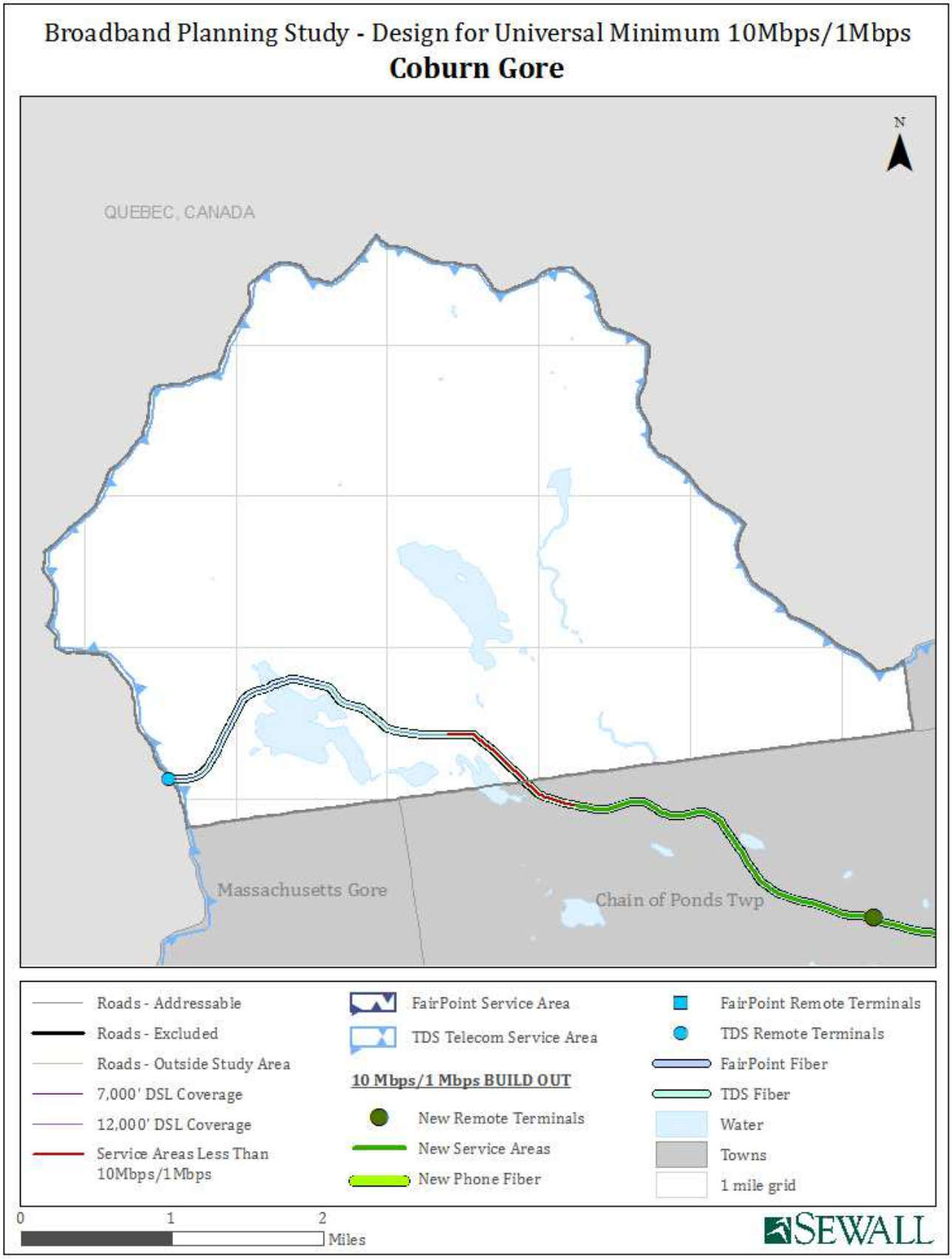
Coburn Gore Service Areas less than 1 Gbps/1 Gbps Map 6

Coburn Gore Service Areas less than 10 Mbps/10 Mbps Map 7

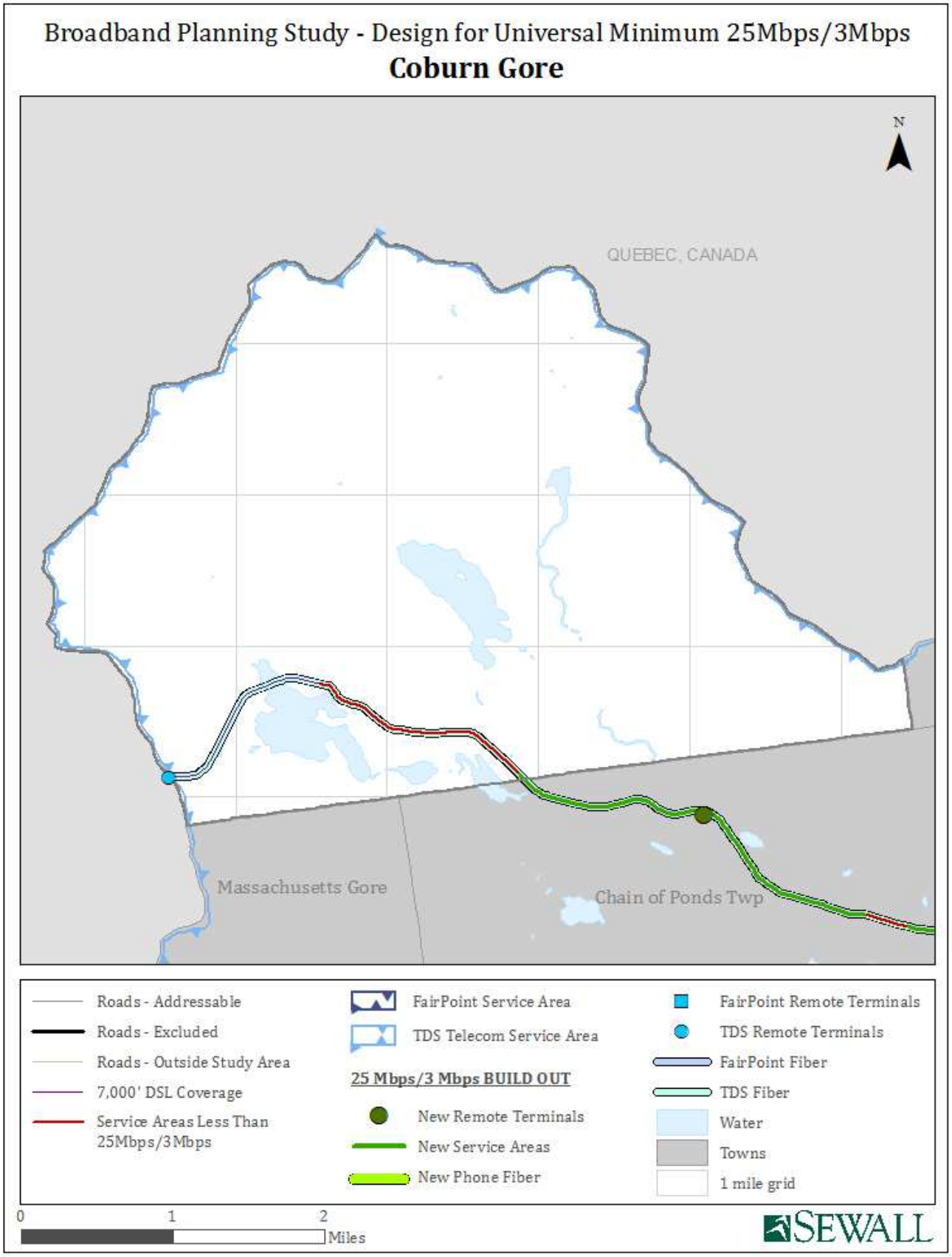
Coburn Gore Service Areas less than 25 Mbps/3 Mbps Map 8

Coburn Gore Service Areas less than 10 Mbps/1 Mbps Map 9

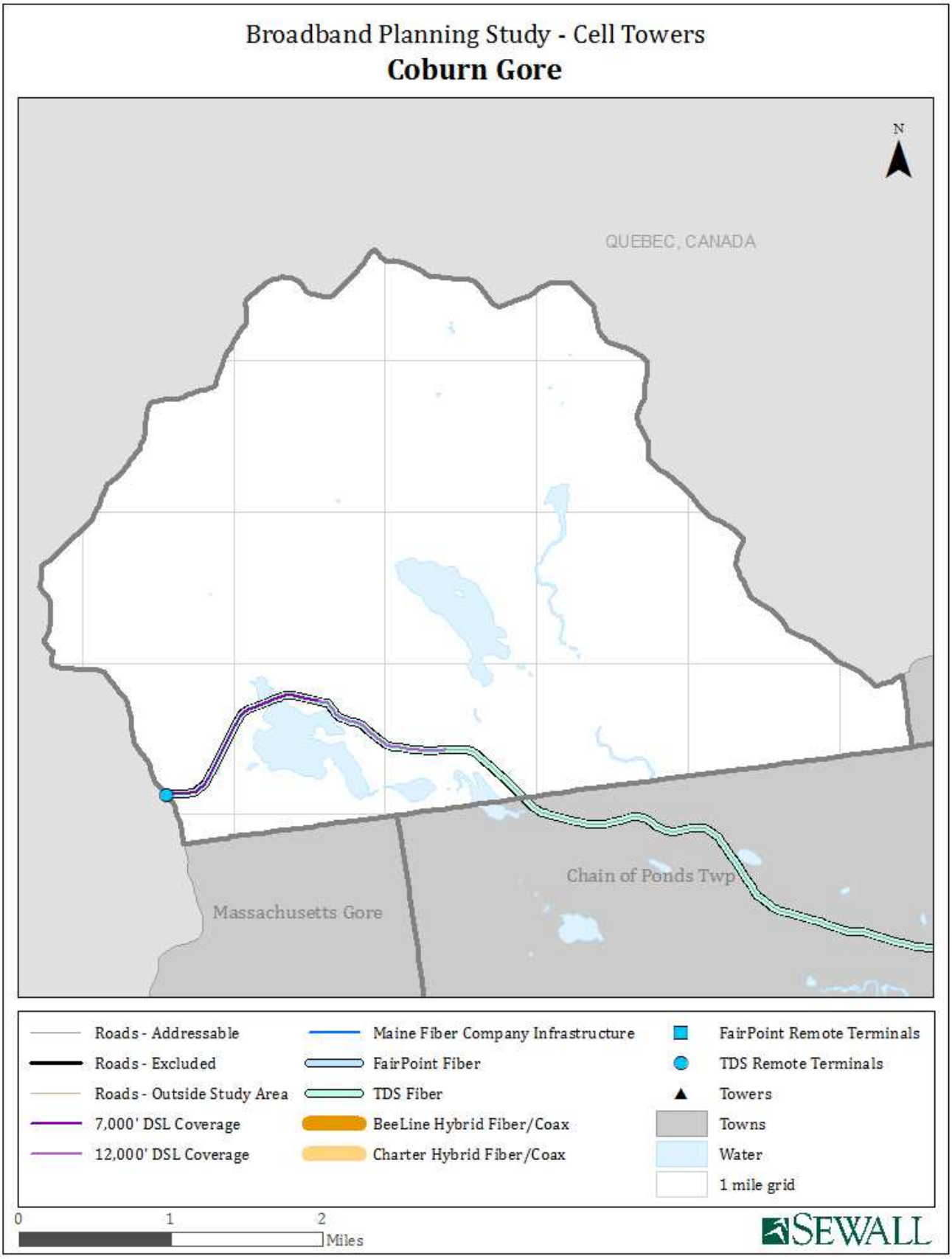
Coburn Gore Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Coburn Gore Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Coburn Gore Cell Towers Map 12



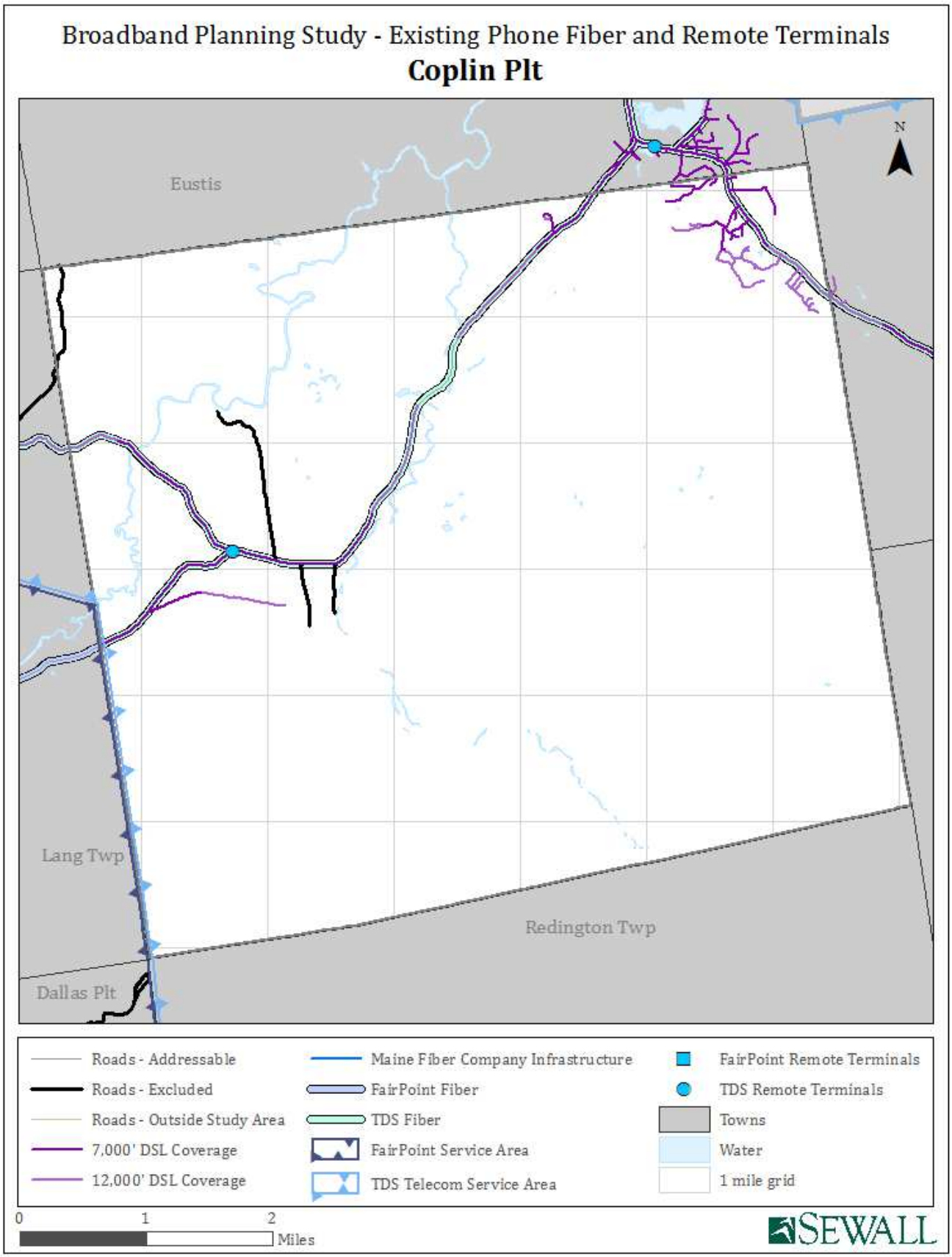
C-9 Coplin Plantation

Special Considerations

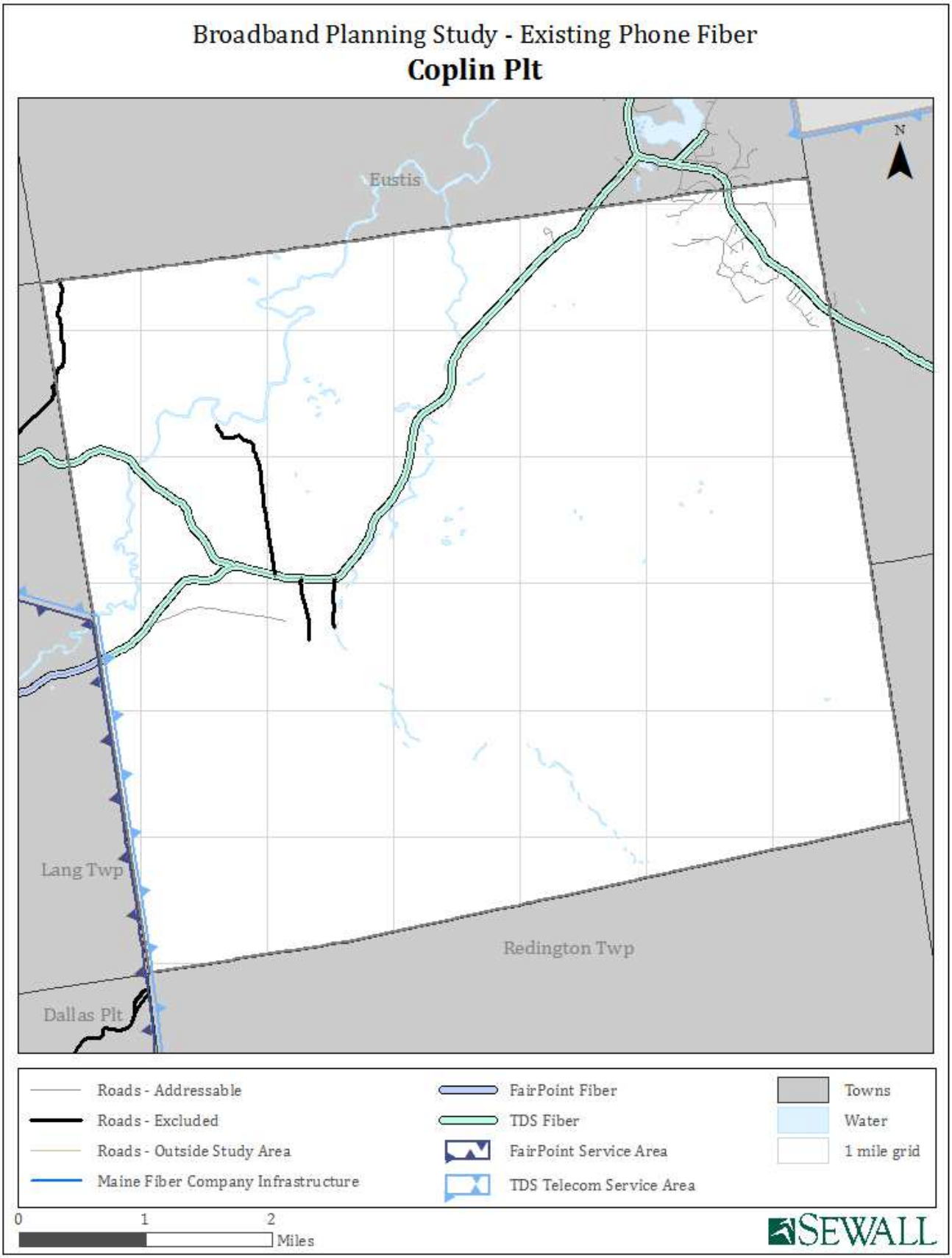
None

Coplin Plantation				
Statistical Data	**Cost**	**Unit**	**Coplin Plantation**	**Study Area Totals**
911 Addresses			110	**22,824**
Total Road Mileage			18.8	**1,637**
Phone Fiber Mileage			6.1	**336**
Hybrid Fiber/Coax Mileage			7	**451**
1G/1G FTTP Gap Miles	$40,000	mile	15.7	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	110	**22,500**
Potential Subscribers per mile			*7*	***17***
Total Cost			**$703,556**	**$69,872,775**
Per Potential Subscriber			*$6,396*	***$3,105***
Per Mile			*$44,916*	*$51,640*
10M/10M Gap Miles	$35,000	mile	9.0	**900**
10M/10M Gap 911 Addresses	$ 350	sub	30	**8,351**
Potential Subscribers per mile			*3*	***9***
Total Cost			**$326,347**	**$34,438,469**
Per Potential Subscriber			*$10,878*	***$4,124***
Per Mile			*$36,164*	*$38,246*
Potential private investment			$54,245	$15,969,618
Potential public subsidy			$272,101	$18,468,851
25M/3M Gap Miles			3.8	**650**
25M/3M Gap 911 Addresses			6	**4,931**
25M/3M New RT Quantity	$25,000		1	**270**
25M/3M New Fiber Miles	$25,000		-	**182**
Potential Subscribers per mile			*2*	***8***
Total Cost			$25,000	$11,305,524
Per Potential Subscriber			*$4,167*	*$2,293*
Potential private investment			$1,995	$4,286,572
Potential public subsidy			$23,005	$7,018,952
10M/1M Gap Miles			0.7	**407**
10M/1M Gap 911 Addresses			-	**2,925**
10M/1M New RT Quantity	$25,000		-	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			-	***7***
Total Cost			$0	$4,167,973
Per Potential Subscriber			*#DIV/0!*	*$1,425*
Potential private investment			$0	$1,497,587
Potential public subsidy			$0	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			31	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$9,900	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$10,338	$893,026
Insurance	$185	mile	$2,894	$250,000
OSP Restoration & Maintenance	$200	mile	$3,133	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$1,375	$281,250
Administration	$30	sub	$1,650	$337,500
Total Operating Expense			**$19,390**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($9,490)**	**($7,390)**

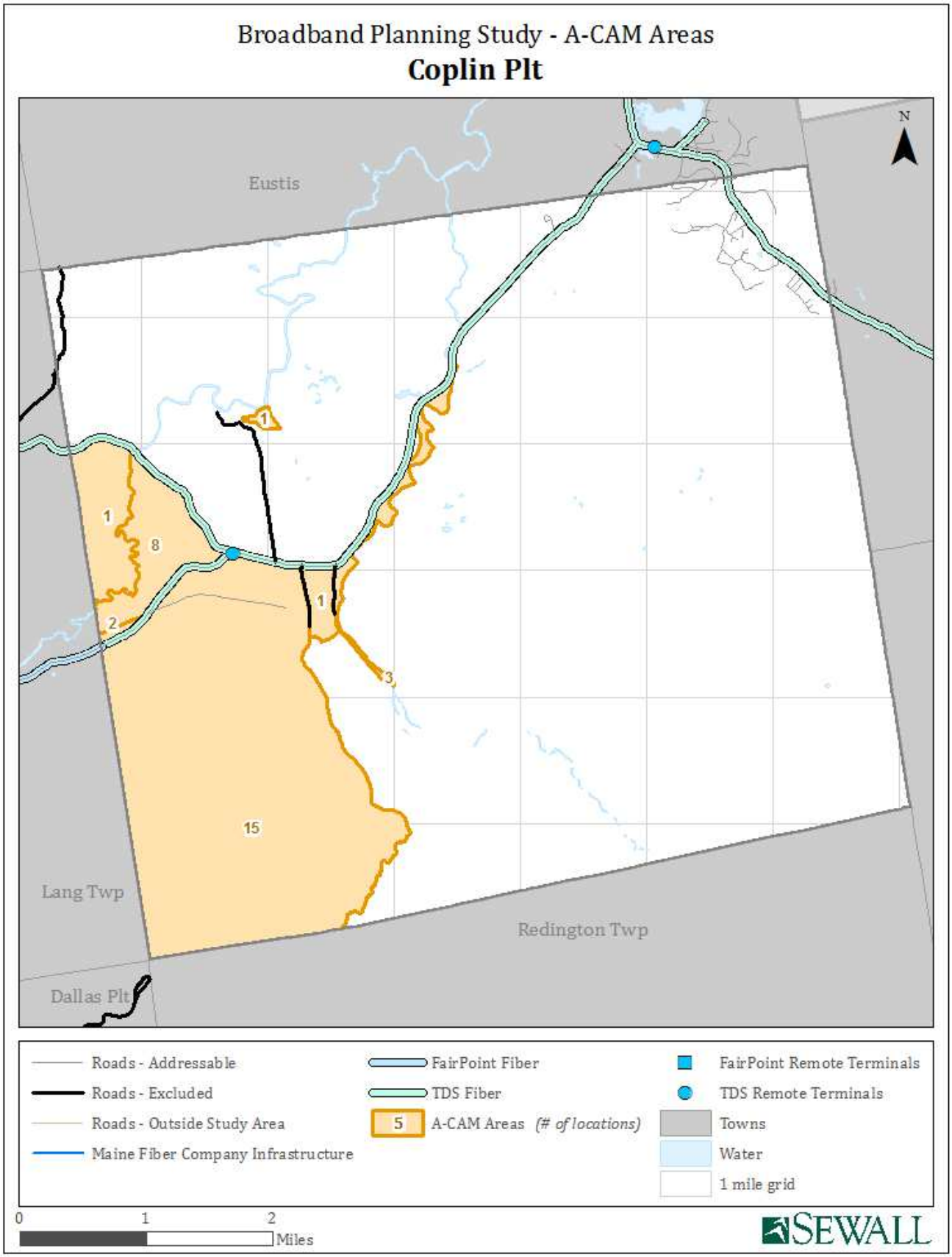
Coplin Plantation Existing Phone Fiber & Remote Terminals Map 1



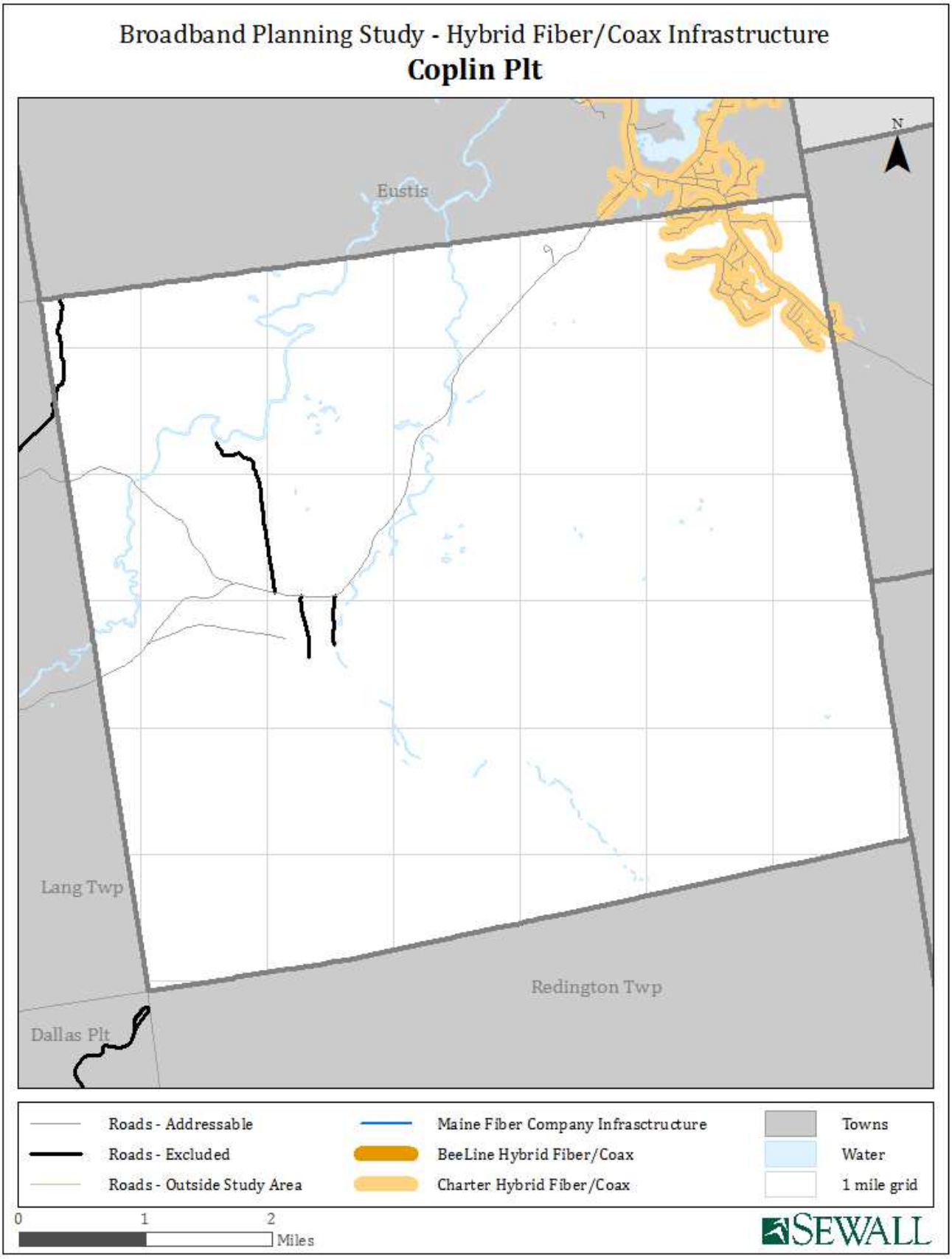
Coplin Plantation Existing Phone Fiber Map 2



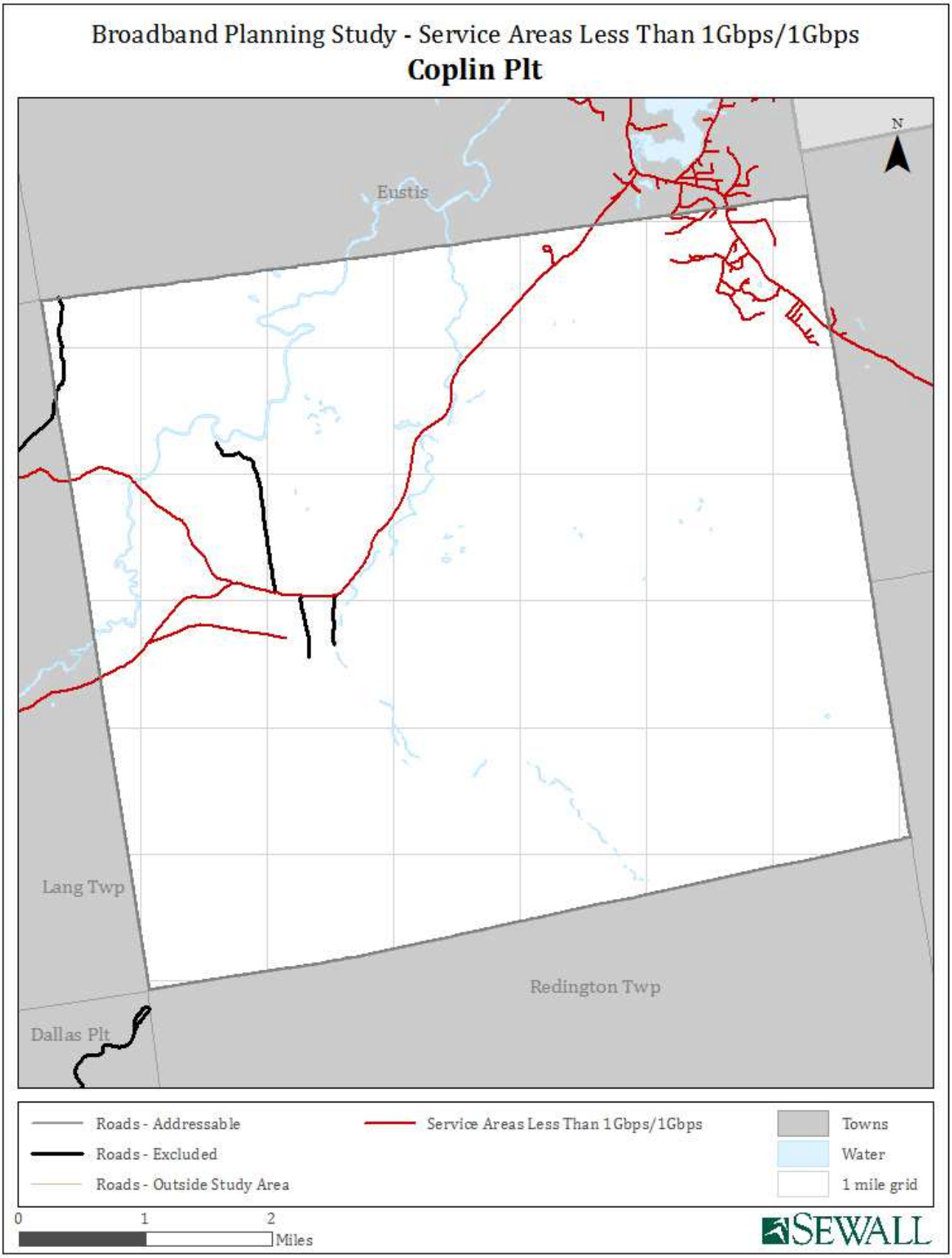
Coplin Plantation A-CAM Map 4



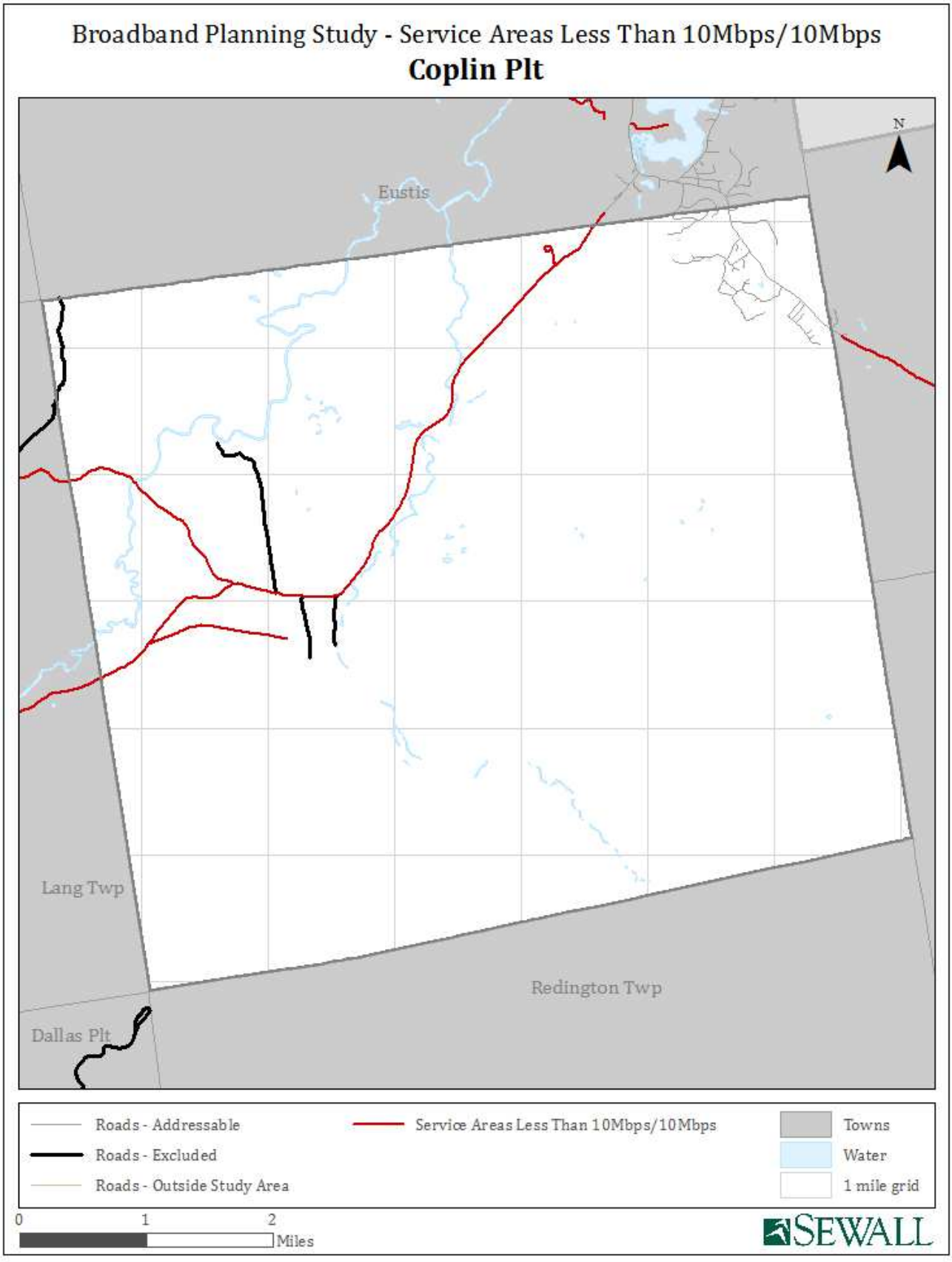
Coplin Plantation Hybrid Fiber/Coax Infrastructure Map 5



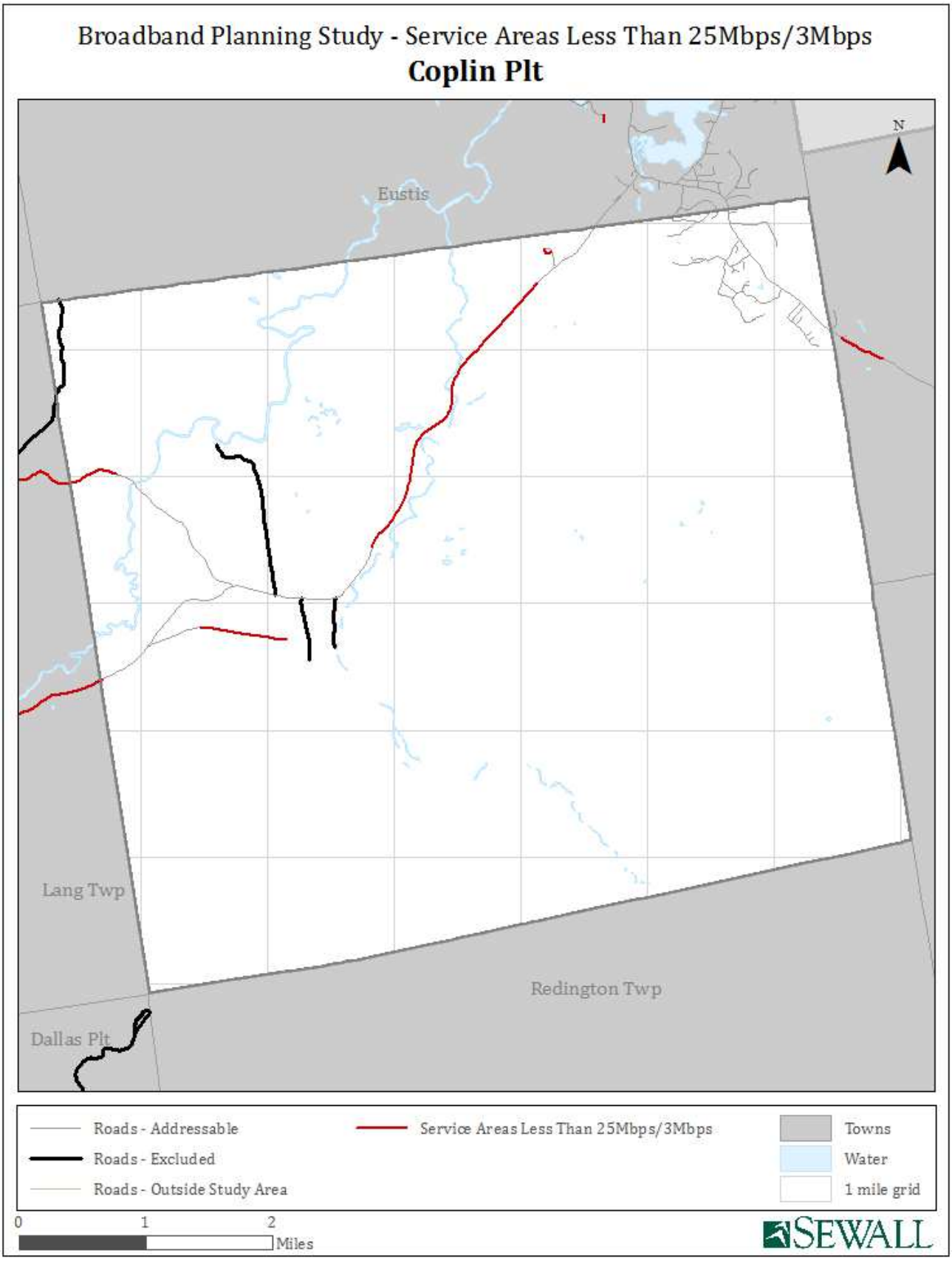
Coplin Plantation Service Areas less than 1 Gbps/1 Gbps Map 6



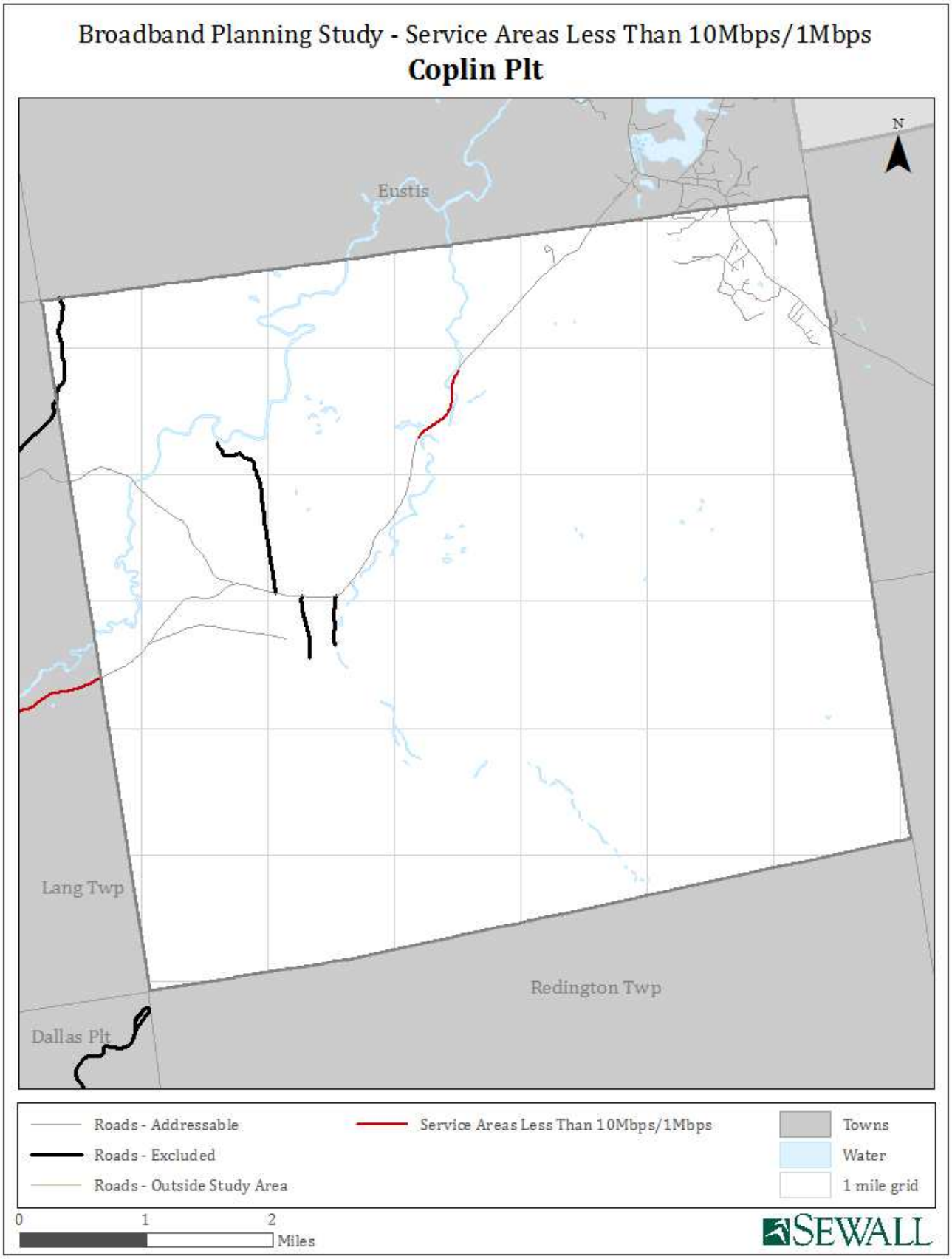
Coplin Plantation Service Areas less than 10 Mbps/10 Mbps Map 7



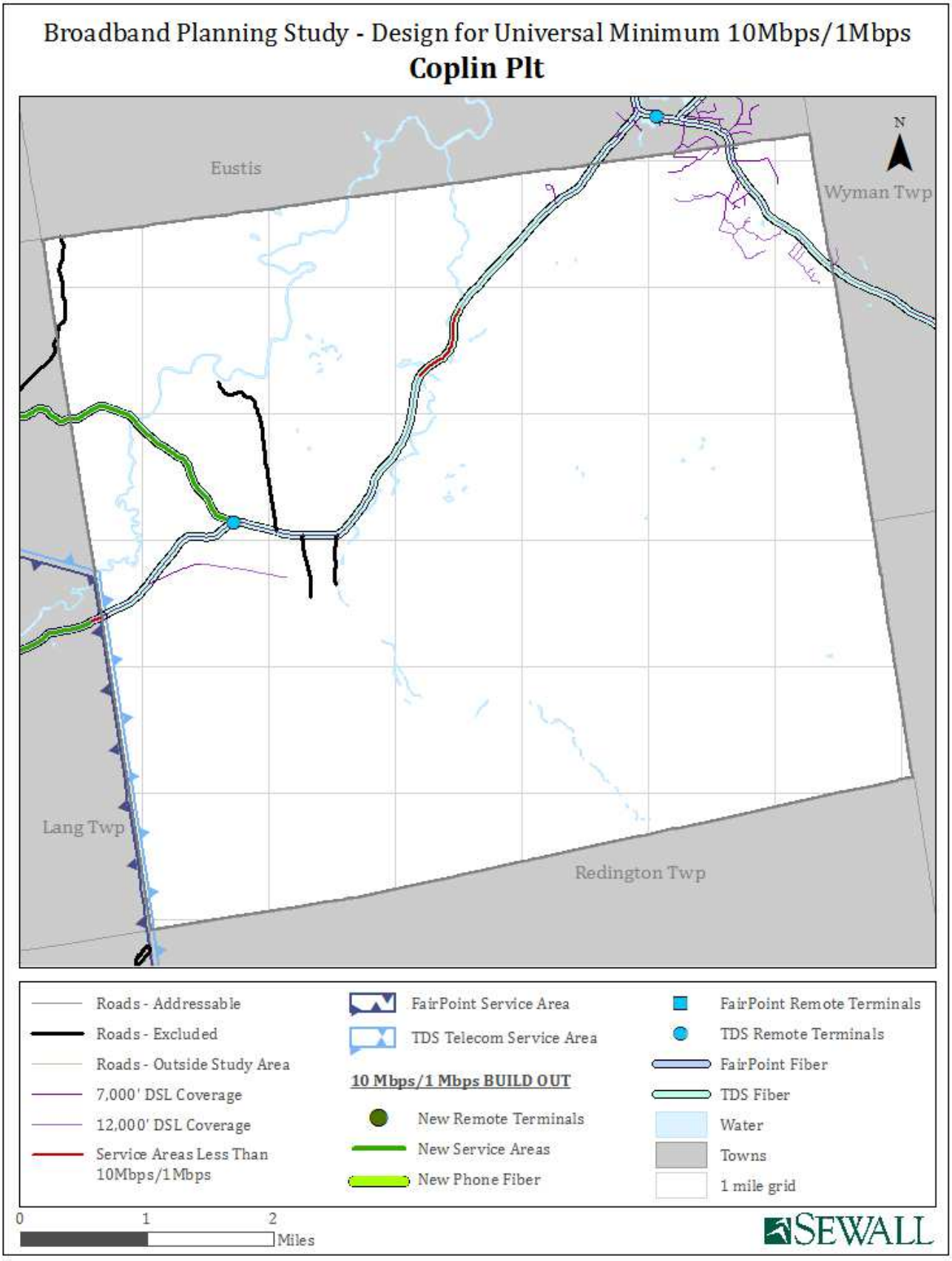
Coplin Plantation Service Areas less than 25 Mbps/3 Mbps Map 8



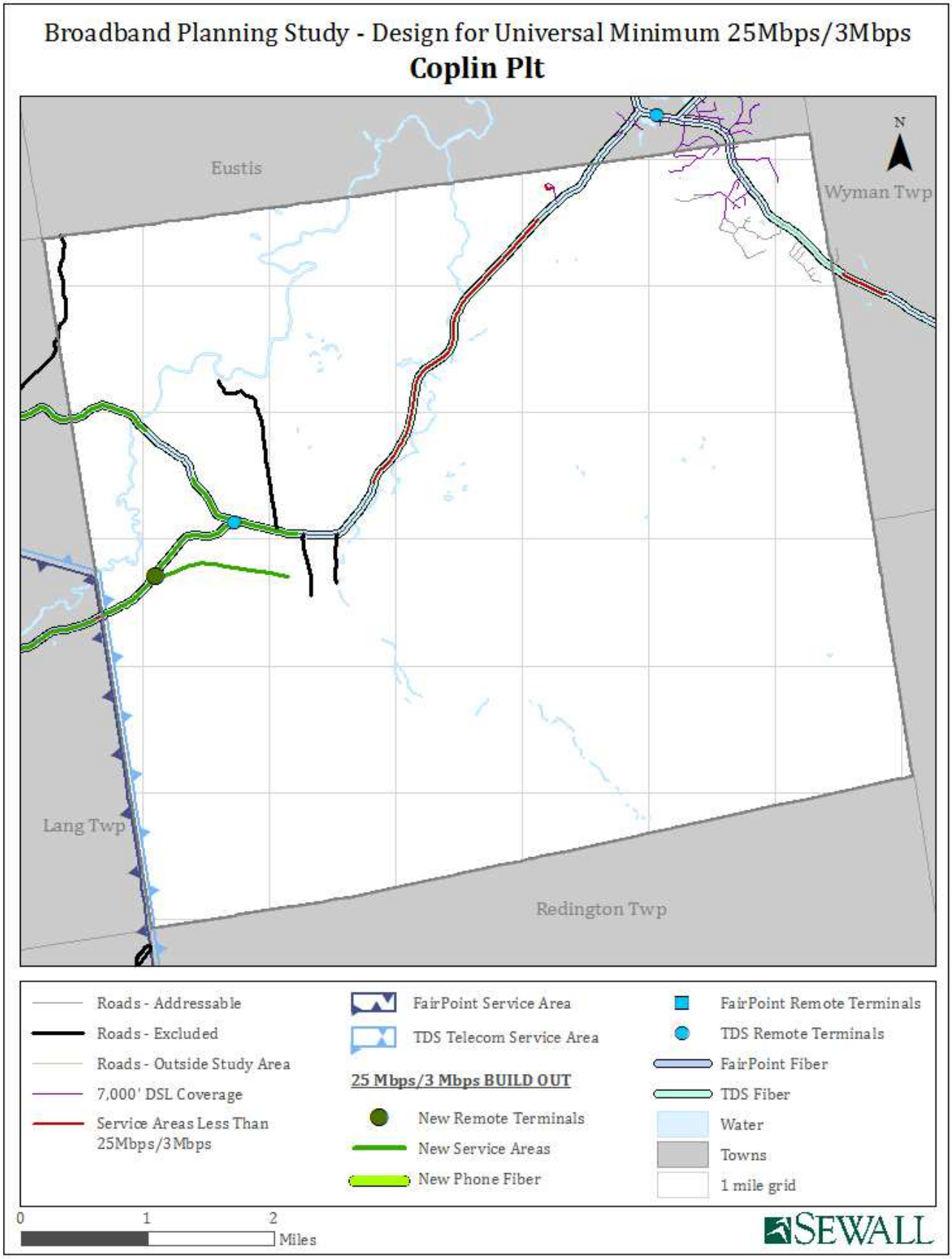
Coplin Plantation Service Areas less than 10 Mbps/1 Mbps Map 9



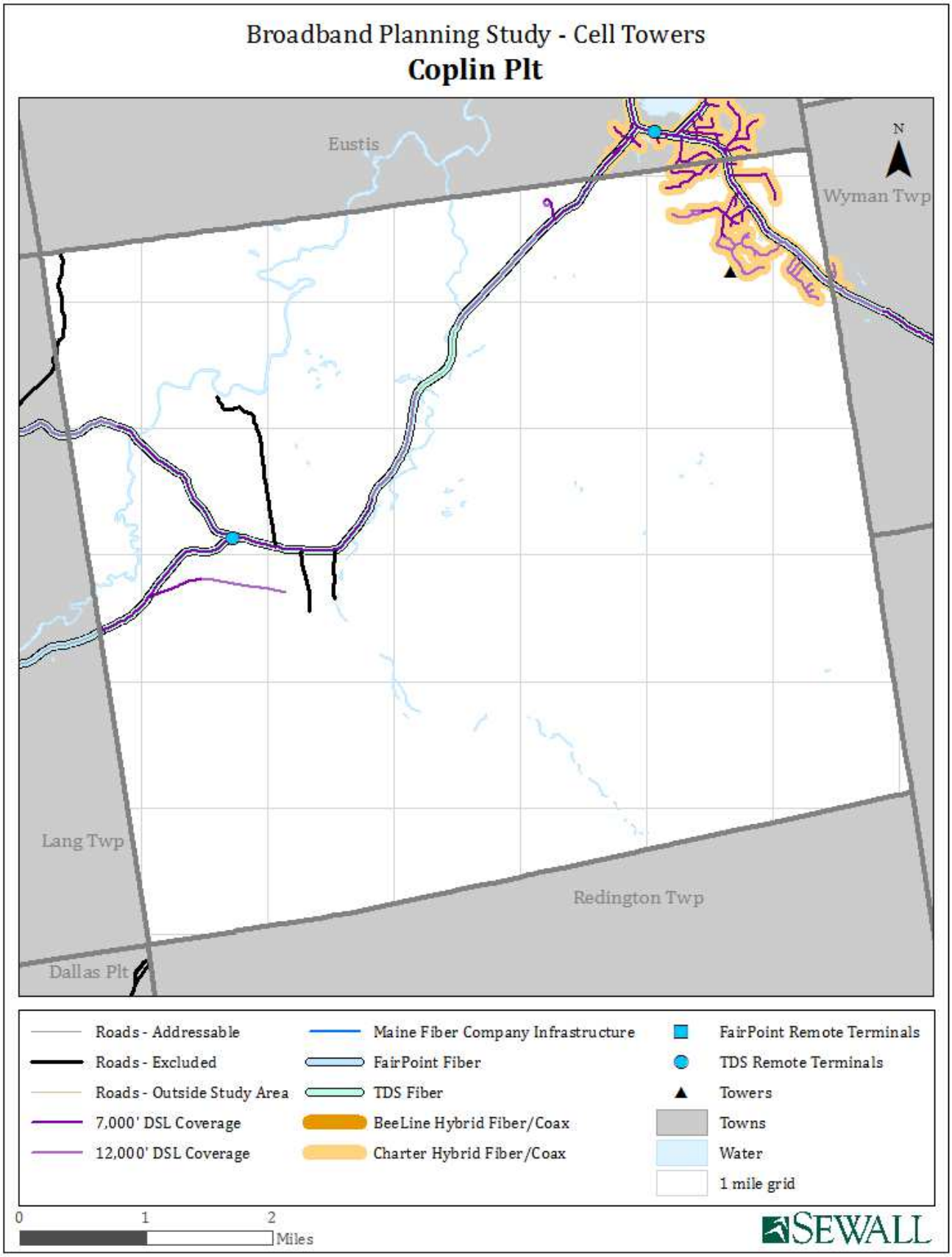
Coplin Plantation Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Coplin Plantation Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Coplin Plantation Cell Towers Map 12



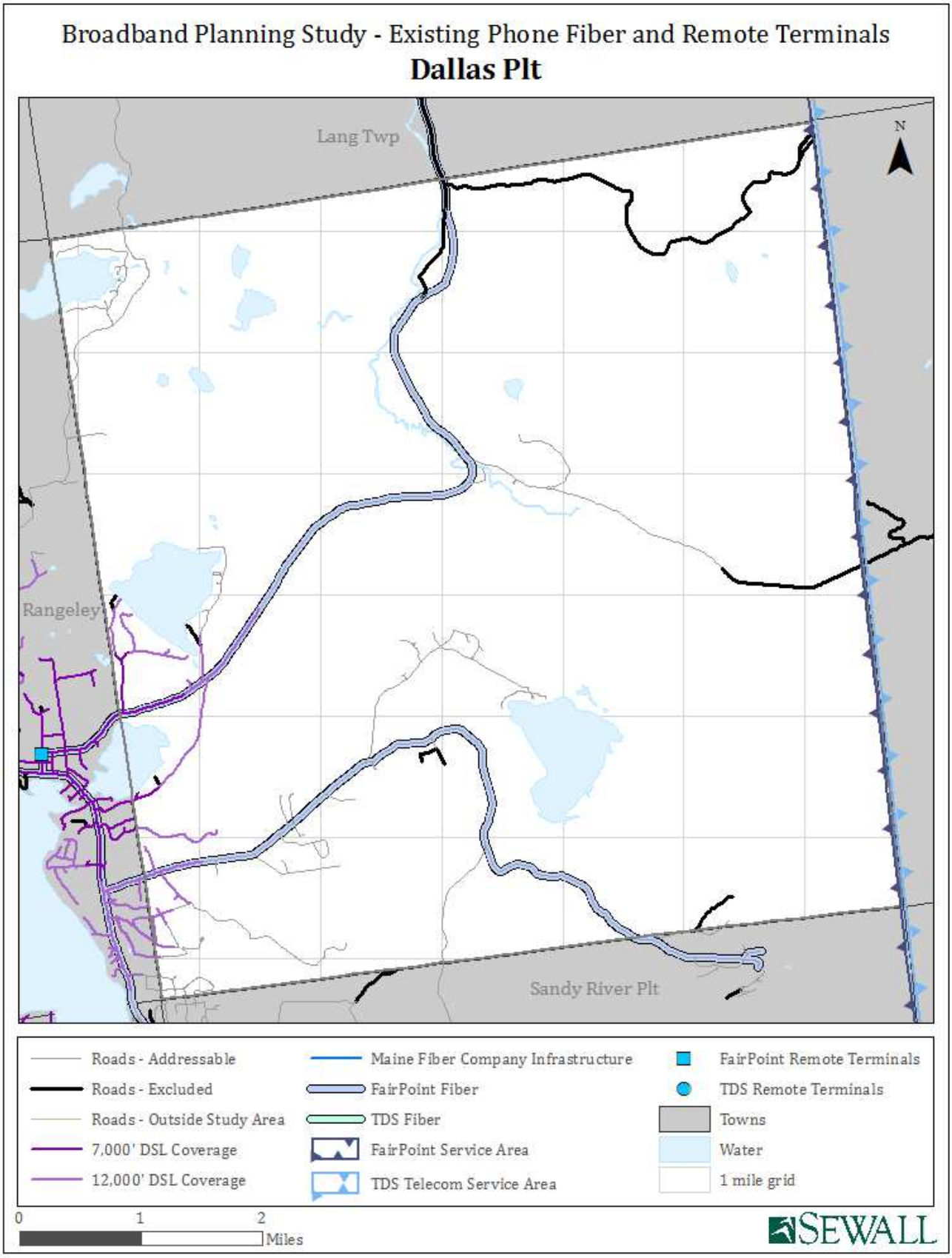
C-10 Dallas Plantation

Special Considerations

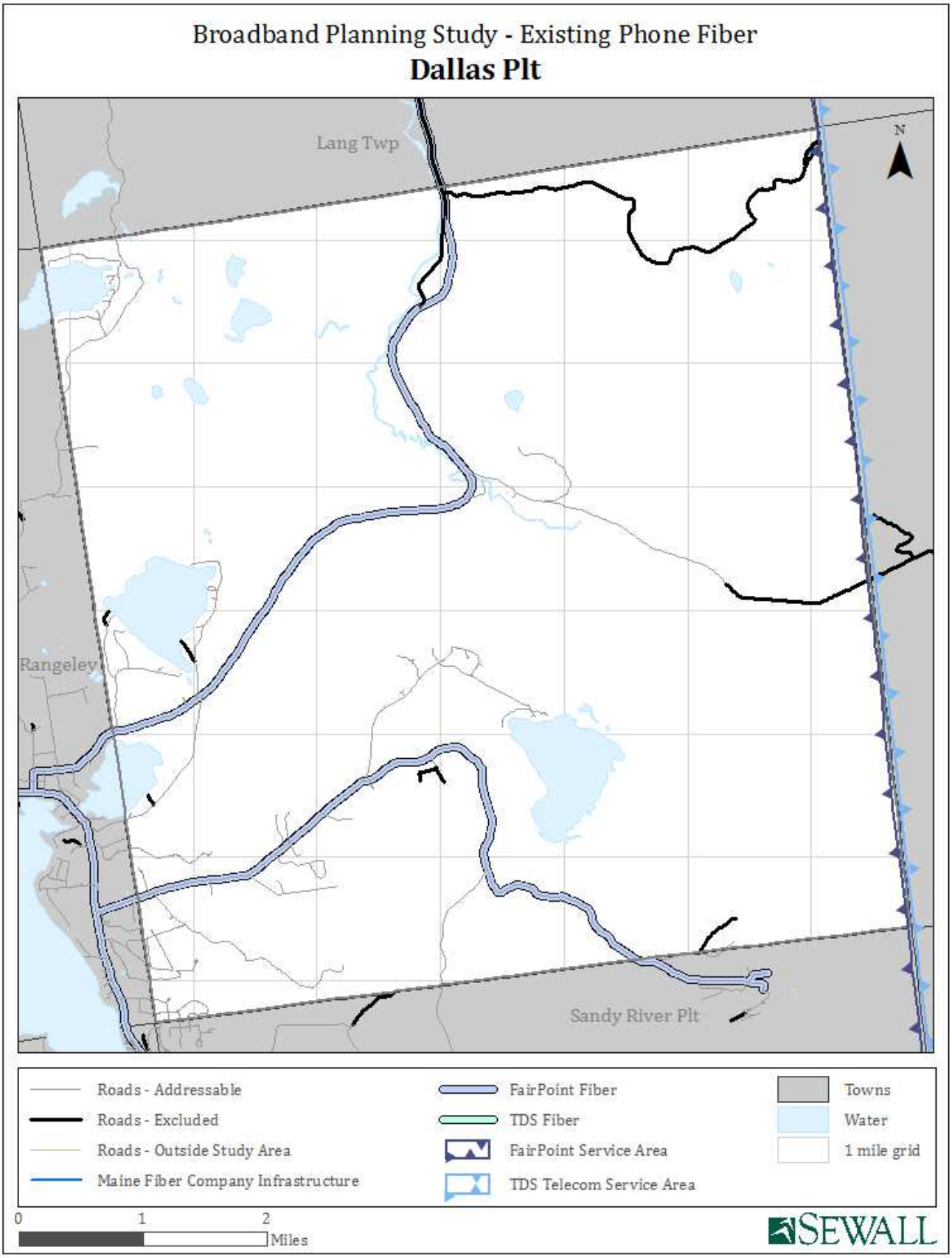
None

Dallas Plantation				
Statistical Data	**Cost**	**Unit**	**Dallas Plantation**	**Study Area Totals**
911 Addresses			382	**22,824**
Total Road Mileage			47.6	**1,637**
Phone Fiber Mileage			6.5	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	39.6	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	378	**22,500**
Potential Subscribers per mile			*10*	***17***
Total Cost			**$1,847,385**	**$69,872,775**
Per Potential Subscriber			*$4,887*	***$3,105***
Per Mile			*$46,687*	*$51,640*
10M/10M Gap Miles	$35,000	mile	39.6	**900**
10M/10M Gap 911 Addresses	$ 350	sub	378	**8,351**
Potential Subscribers per mile			*10*	***9***
Total Cost			**$1,517,237**	**$34,438,469**
Per Potential Subscriber			*$4,014*	***$4,124***
Per Mile			*$38,343*	*$38,246*
Potential private investment			$724,692	$15,969,618
Potential public subsidy			$792,545	$18,468,851
25M/3M Gap Miles			38.1	**650**
25M/3M Gap 911 Addresses			364	**4,931**
25M/3M New RT Quantity	$25,000		11	**270**
25M/3M New Fiber Miles	$25,000		4.4	**182**
Potential Subscribers per mile			*10*	***8***
Total Cost			$385,572	$11,305,524
Per Potential Subscriber			*$1,059*	*$2,293*
Potential private investment			$184,363	$4,286,572
Potential public subsidy			$201,209	$7,018,952
10M/1M Gap Miles			31.3	**407**
10M/1M Gap 911 Addresses			305	**2,925**
10M/1M New RT Quantity	$25,000		6	**93**
10M/1M New Fiber Miles	$25,000		1.7	**74**
Potential Subscribers per mile			*10*	***7***
Total Cost			$193,256	$4,167,973
Per Potential Subscriber			*$634*	*$1,425*
Potential private investment			$94,016	$1,497,587
Potential public subsidy			$99,240	$2,670,386
CAF-II Funded Locations			189	**2,429**
A-CAM Funded Locations			-	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$34,020	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$26,116	$893,026
Insurance	$185	mile	$7,311	$250,000
OSP Restoration & Maintenance	$200	mile	$7,914	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$4,725	$281,250
Administration	$30	sub	$5,670	$337,500
Total Operating Expense			**$51,736**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($17,716)**	**($7,390)**

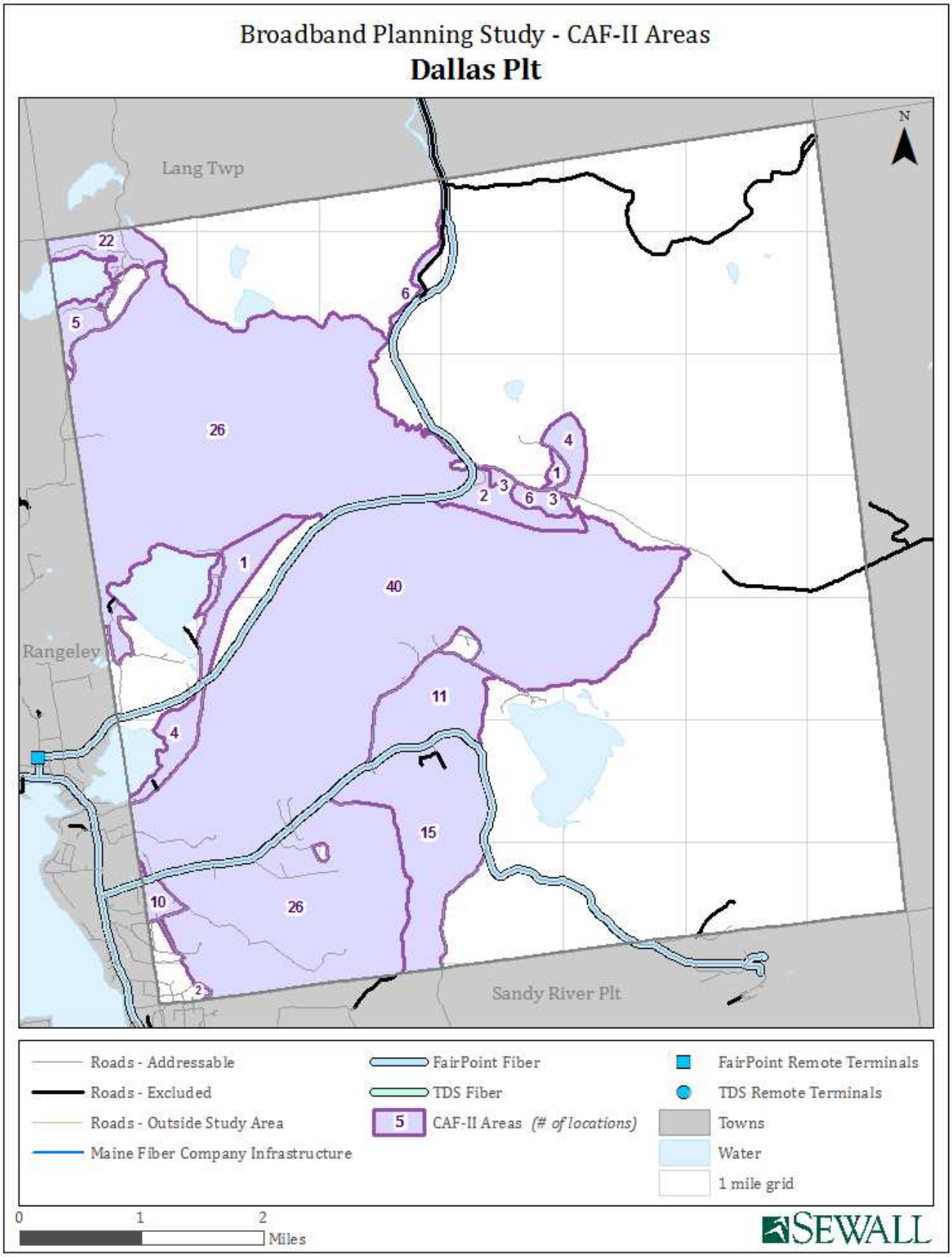
Dallas Plantation Existing Phone Fiber & Remote Terminals Map 1



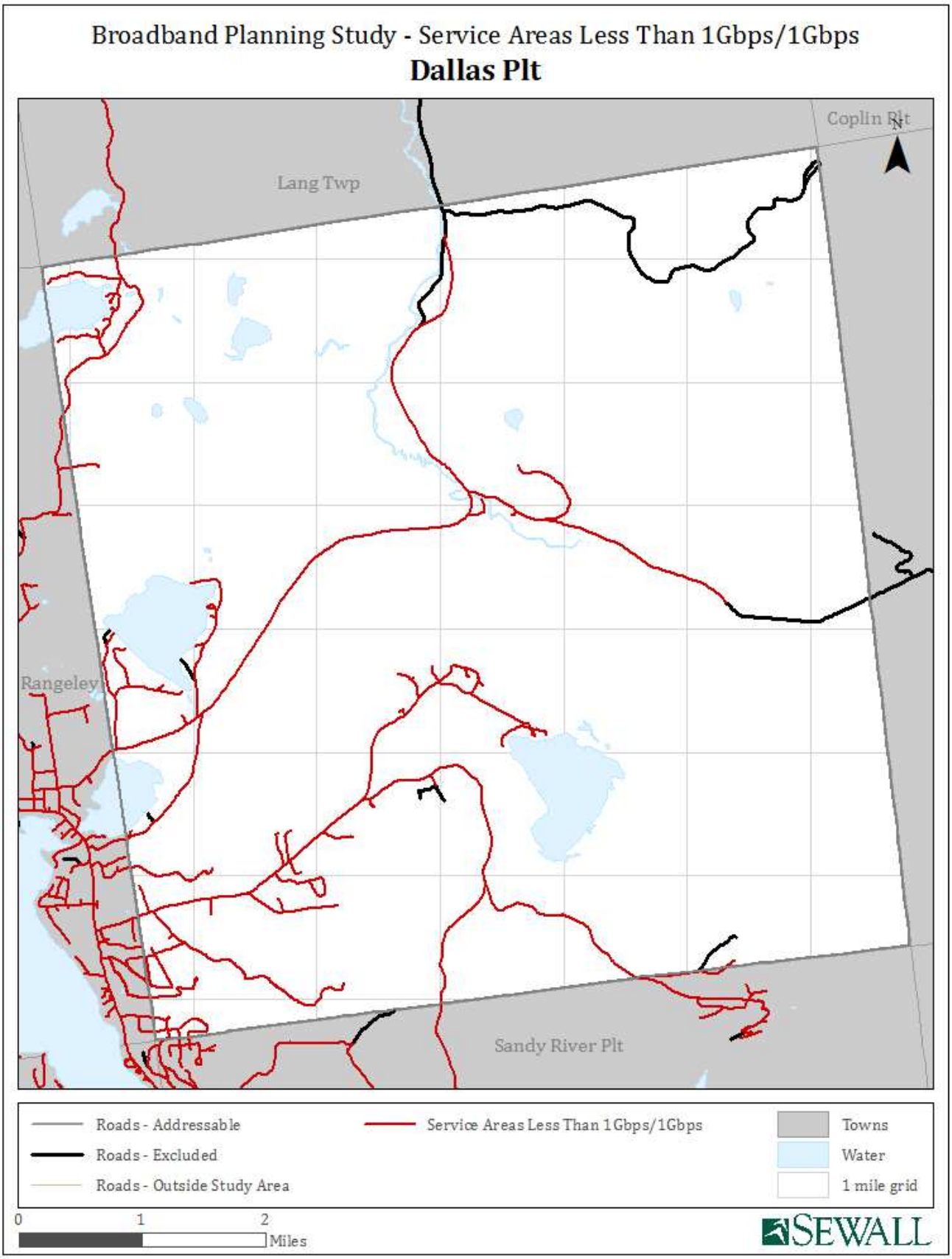
Dallas Plantation Existing Phone Fiber Map 2



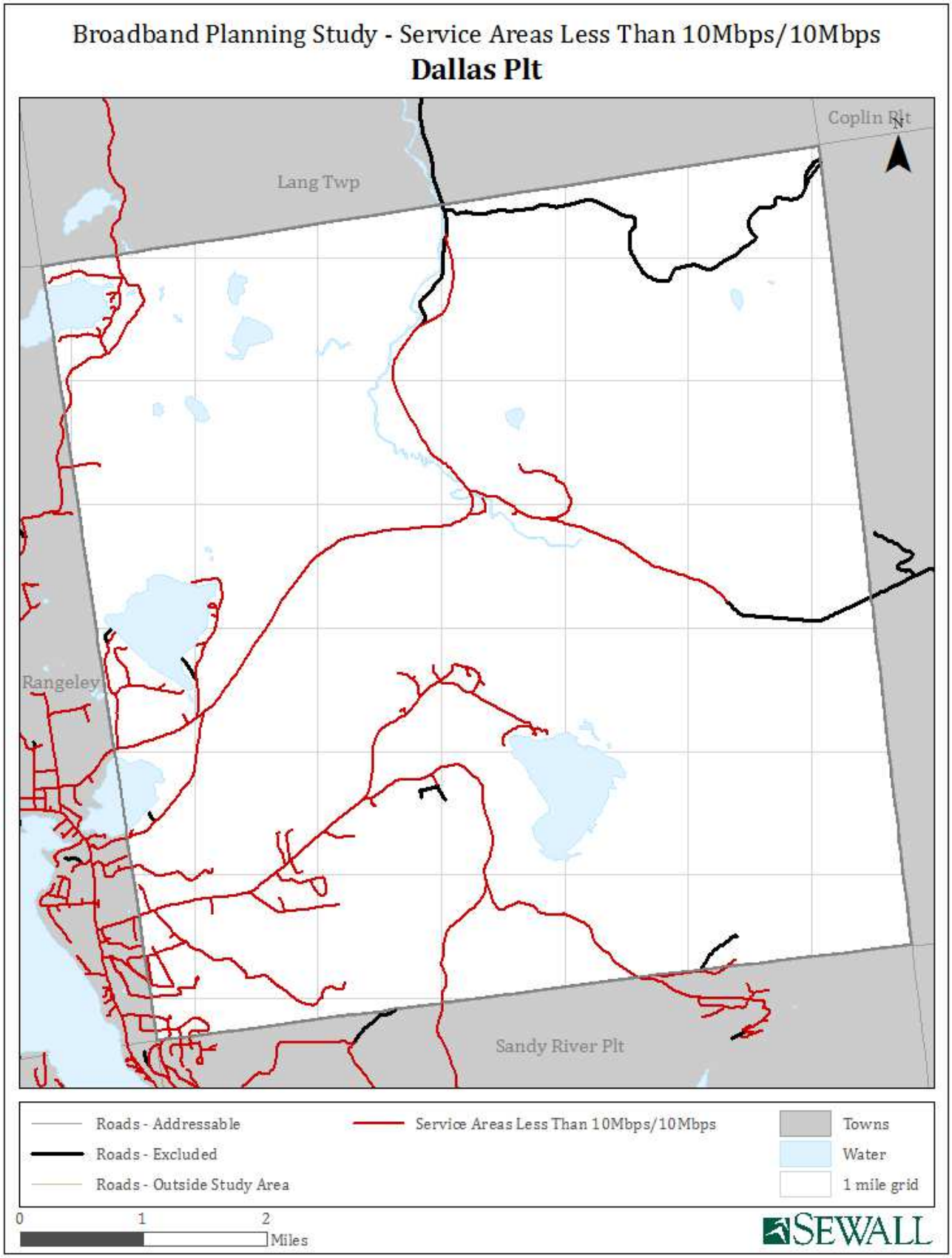
Dallas Plantation CAF-II Map 3



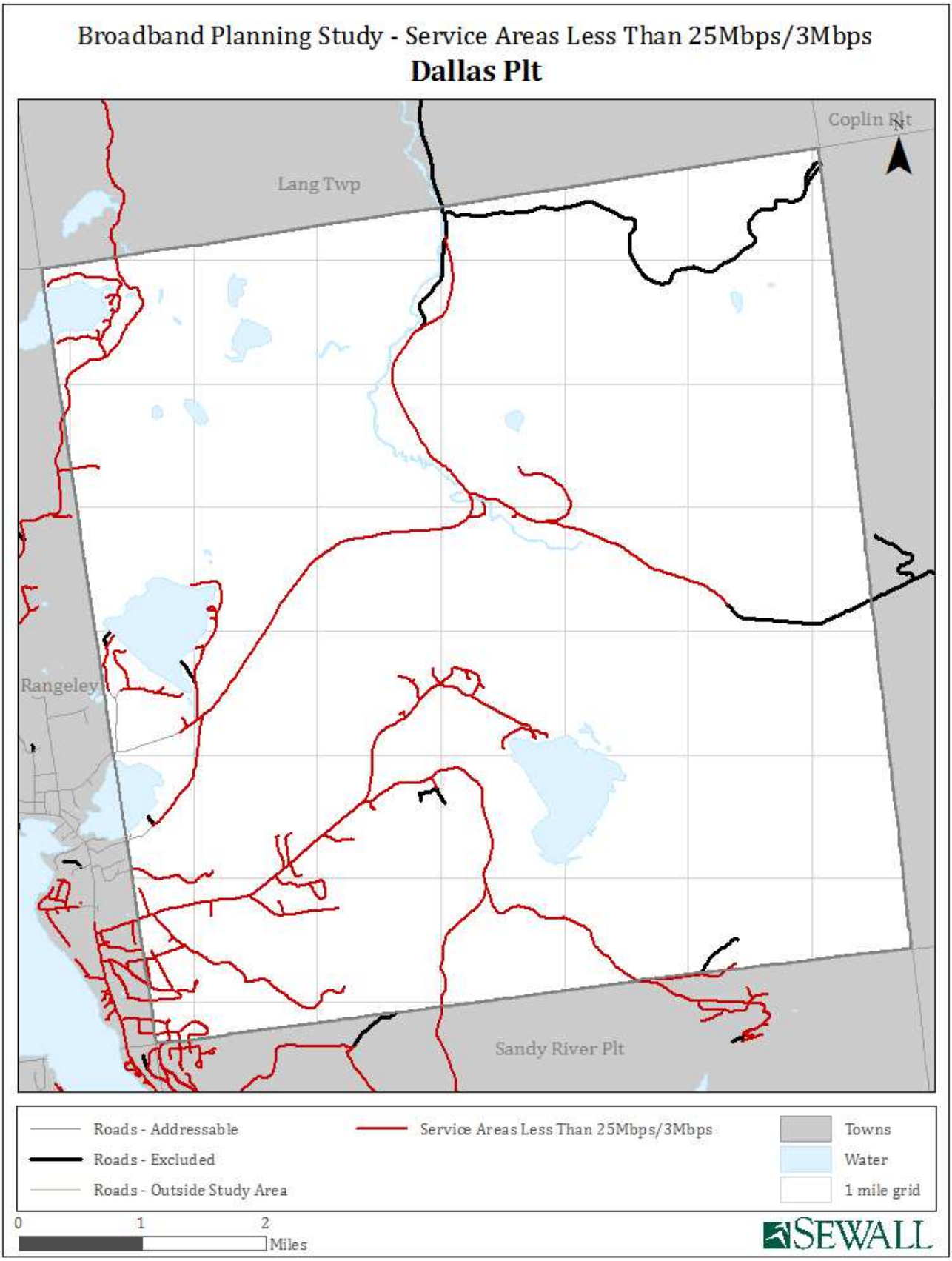
Dallas Plantation Service Areas less than 1 Gbps/1 Gbps Map 6



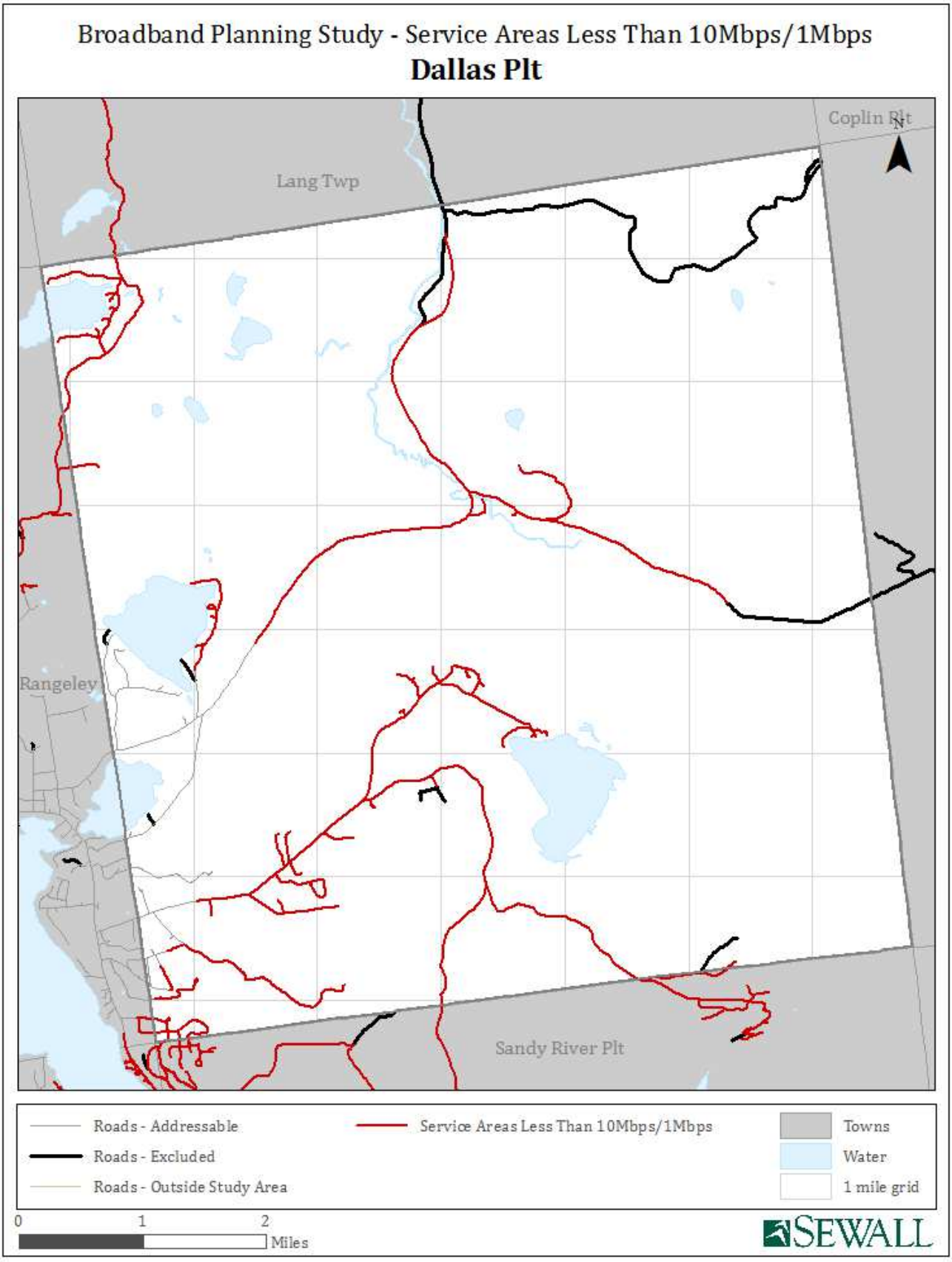
Dallas Plantation Service Areas less than 10 Mbps/10 Mbps Map 7



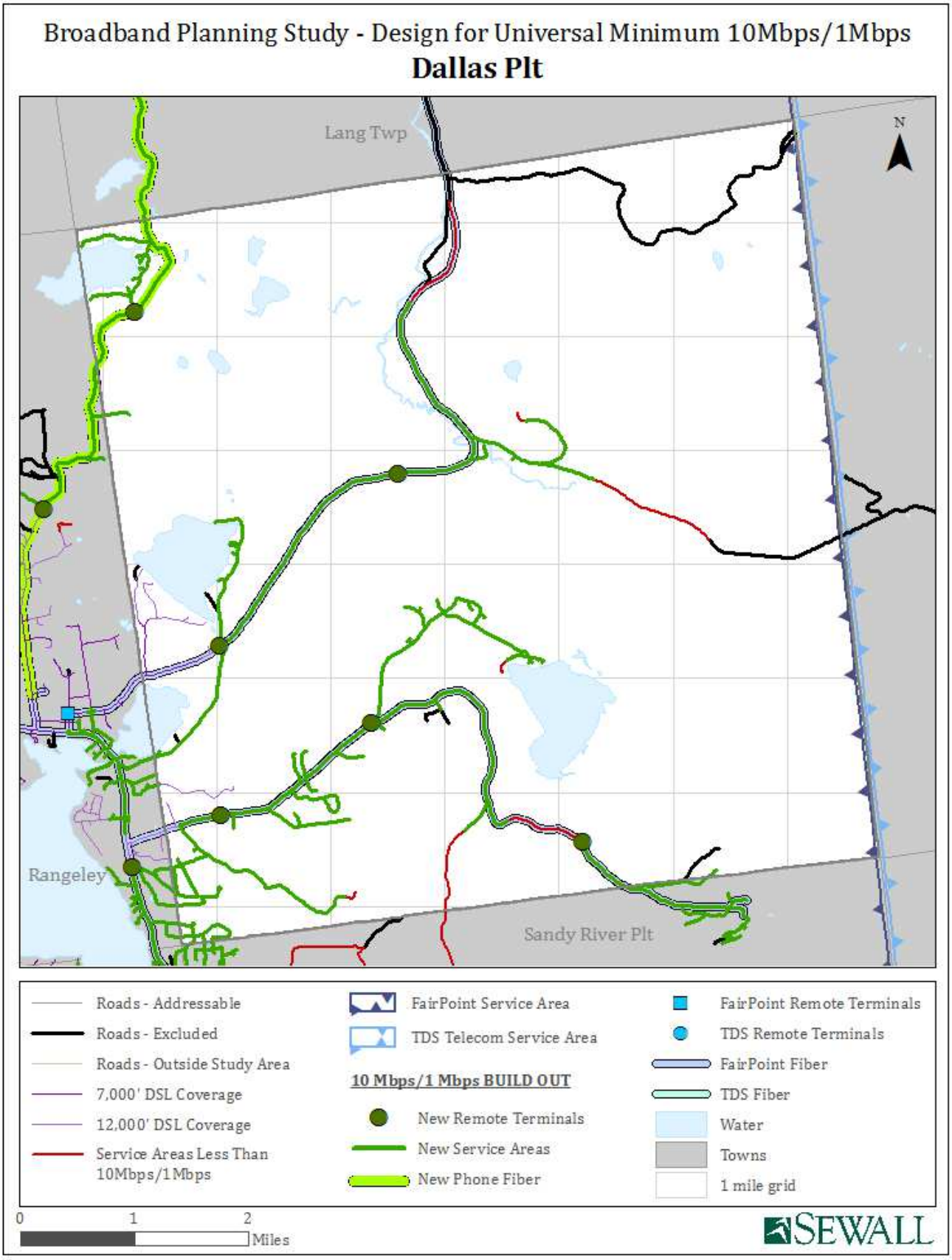
Dallas Plantation Service Areas less than 25 Mbps/3 Mbps Map 8



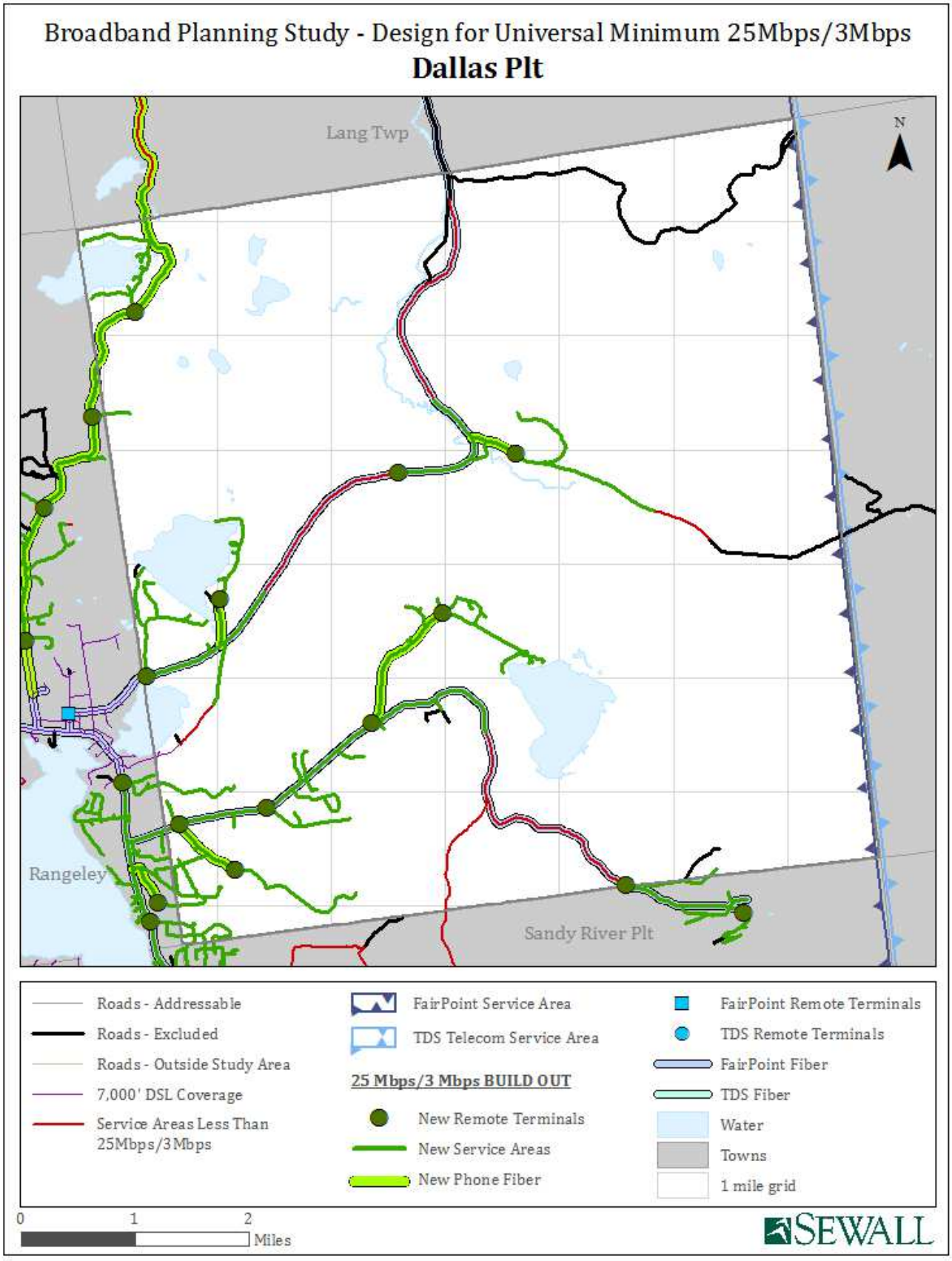
Dallas Plantation Service Areas less than 10 Mbps/1 Mbps Map 9



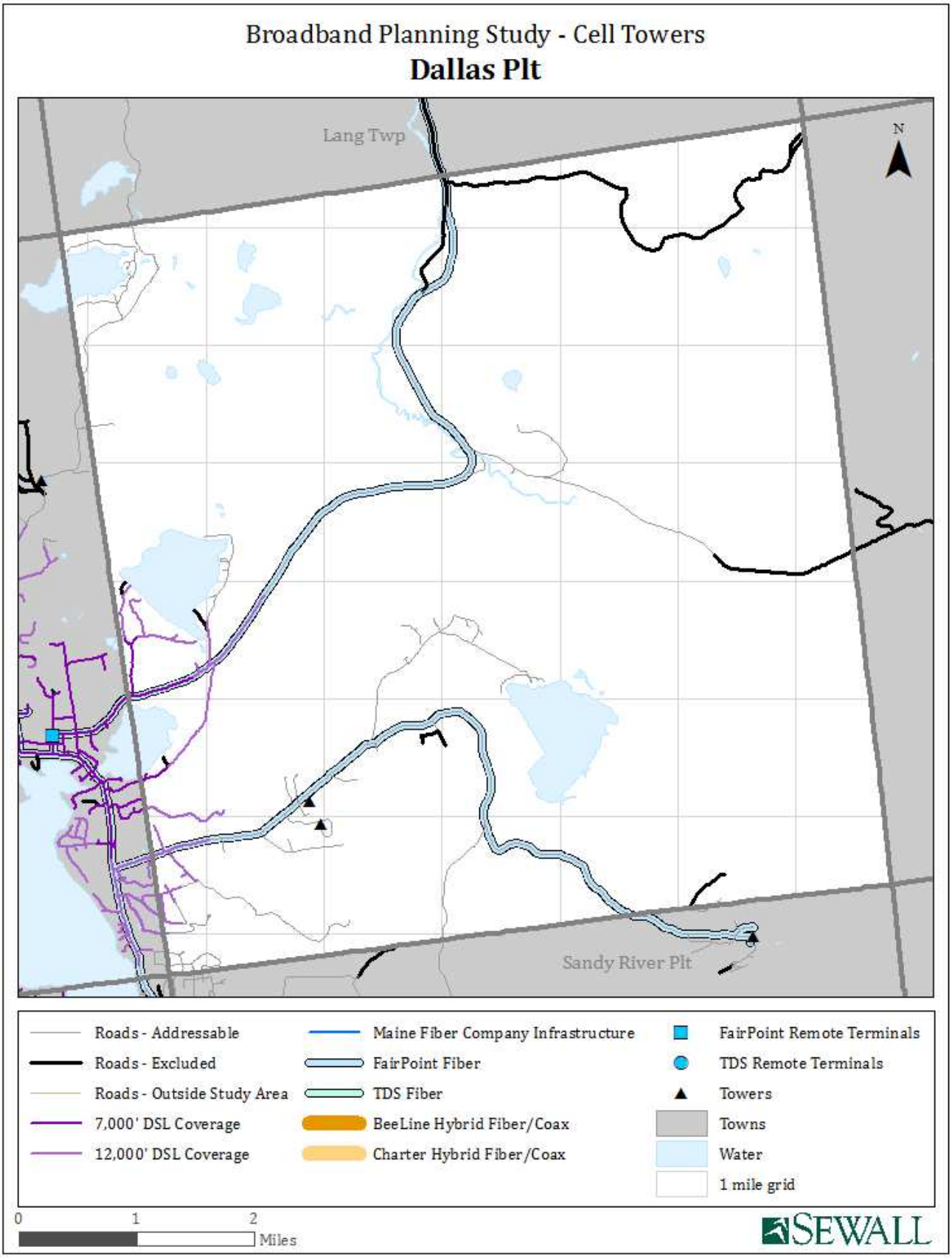
Dallas Plantation Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Dallas Plantation Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Dallas Plantation Cell Towers Map 12



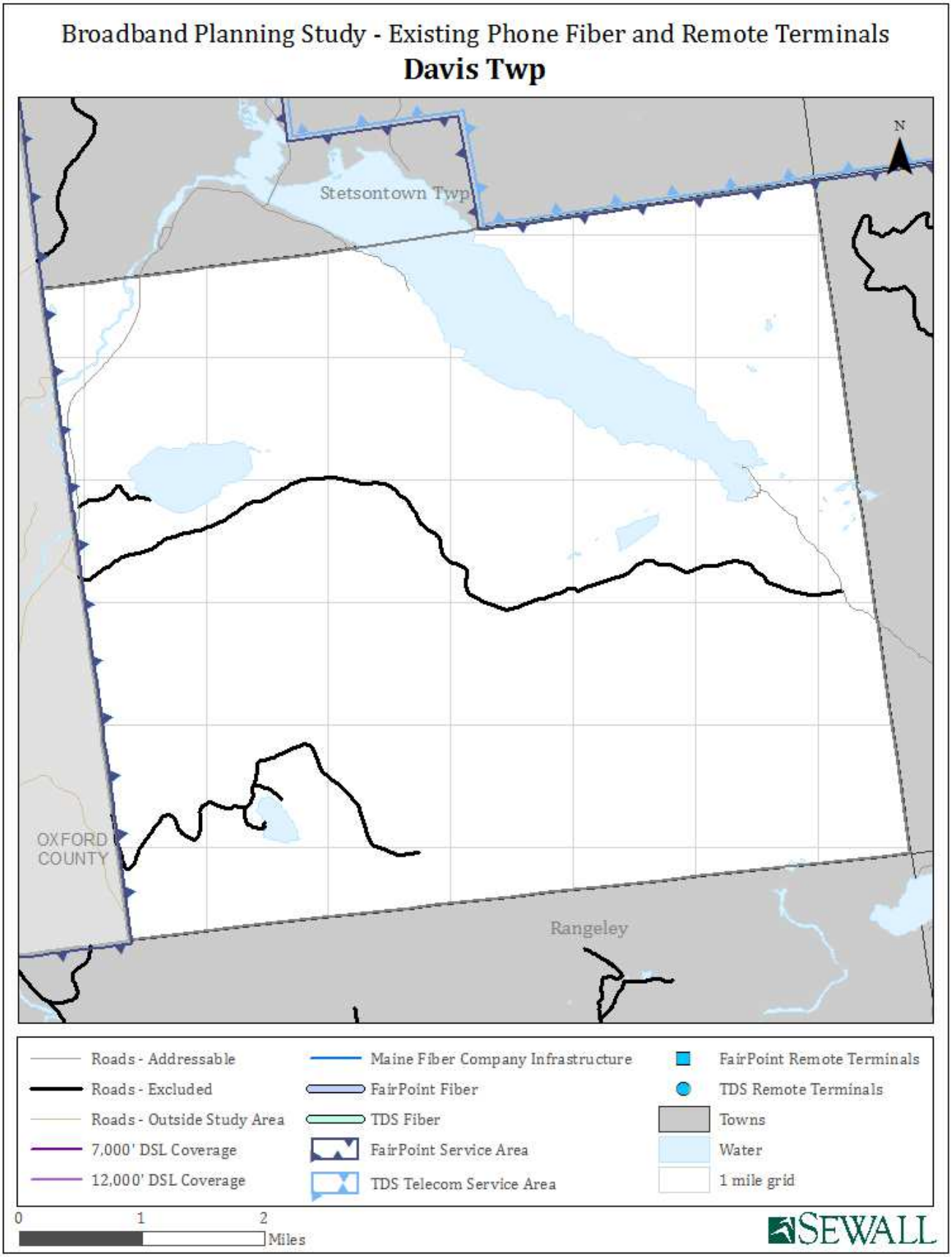
C-11 Davis Twp

Special Considerations

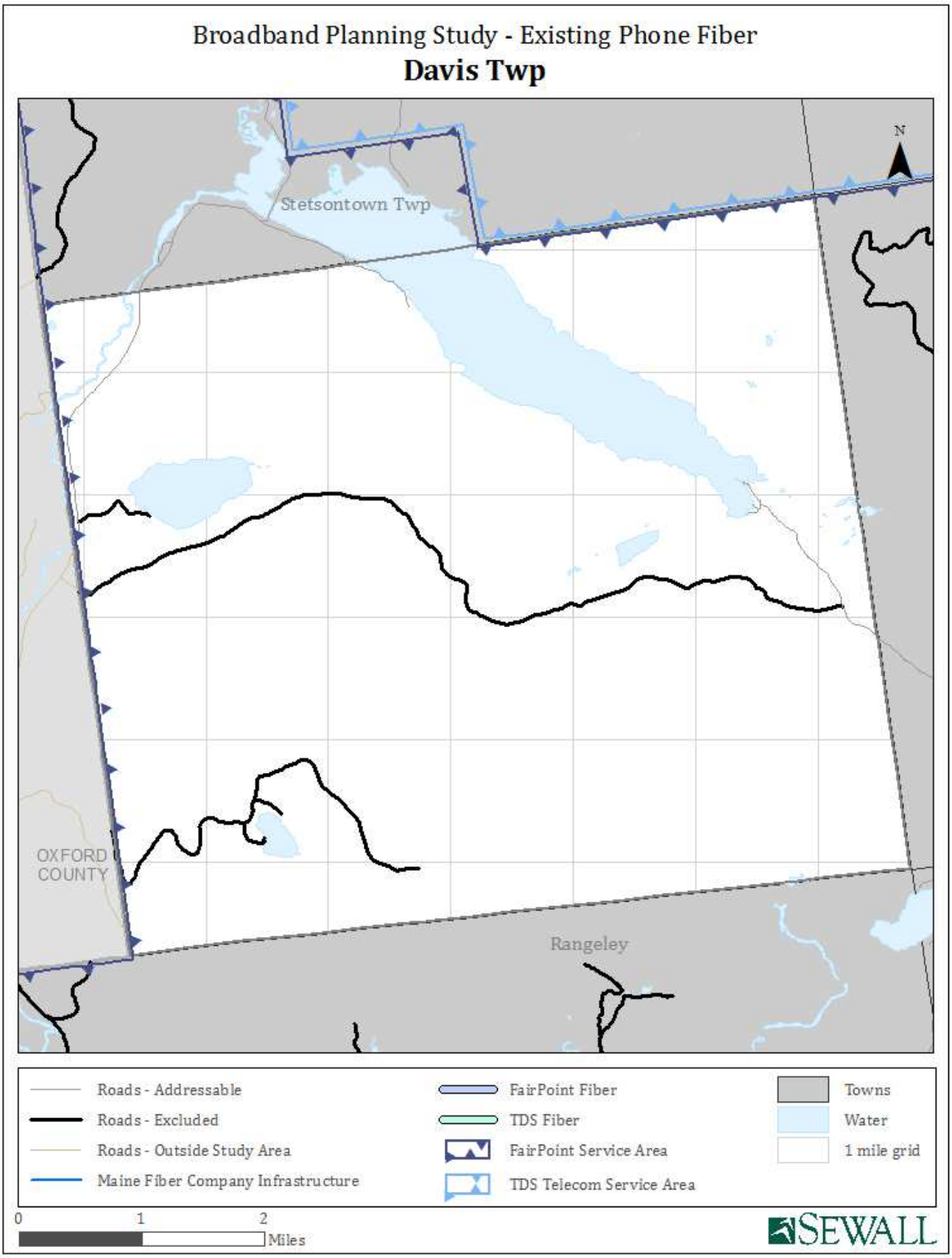
Any expansion of broadband into Davis Township will require collaboration with Lang Township to the east, Stetsontown Township to the north and/or Oxford County to the west.

Davis Township				
Statistical Data	**Cost**	**Unit**	**Davis Twp**	**Study Area Totals**
911 Addresses			26	**22,824**
Total Road Mileage			17.9	**1,637**
Phone Fiber Mileage			-	**336**
Hybrid Fiber/Coax Mileage			-	**451**
1G/1G FTTP Gap Miles	$40,000	mile	5.1	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	26	**22,500**
Potential Subscribers per mile			*5*	***17***
Total Cost			**$220,422**	**$69,872,775**
Per Potential Subscriber			*$8,478*	***$3,105***
Per Mile			*$43,600*	*$51,640*
10M/10M Gap Miles	$35,000	mile	5.1	**900**
10M/10M Gap 911 Addresses	$ 350	sub	26	**8,351**
Potential Subscribers per mile			*5*	***9***
Total Cost			**$186,045**	**$34,438,469**
Per Potential Subscriber			*$7,156*	***$4,124***
Per Mile			*$36,800*	*$38,246*
Potential private investment			$47,840	$15,969,618
Potential public subsidy			$138,205	$18,468,851
25M/3M Gap Miles			5.1	**650**
25M/3M Gap 911 Addresses			26	**4,931**
25M/3M New RT Quantity	$25,000		2	**270**
25M/3M New Fiber Miles	$25,000		2.8	**182**
Potential Subscribers per mile			*5*	***8***
Total Cost			$120,997	$11,305,524
Per Potential Subscriber			*$4,654*	*$2,293*
Potential private investment			$31,113	$4,286,572
Potential public subsidy			$89,883	$7,018,952
10M/1M Gap Miles			5.1	**407**
10M/1M Gap 911 Addresses			26	**2,925**
10M/1M New RT Quantity	$25,000		-	**93**
10M/1M New Fiber Miles	$25,000		2.3	**74**
Potential Subscribers per mile			*5*	***7***
Total Cost			$58,053	$4,167,973
Per Potential Subscriber			*$2,233*	*$1,425*
Potential private investment			$14,928	$1,497,587
Potential public subsidy			$43,125	$2,670,386
CAF-II Funded Locations			61	**2,429**
A-CAM Funded Locations			-	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$2,340	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$3,337	$893,026
Insurance	$185	mile	$934	$250,000
OSP Restoration & Maintenance	$200	mile	$1,011	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$325	$281,250
Administration	$30	sub	$390	$337,500
Total Operating Expense			**$5,997**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**($3,657)**	**($7,390)**

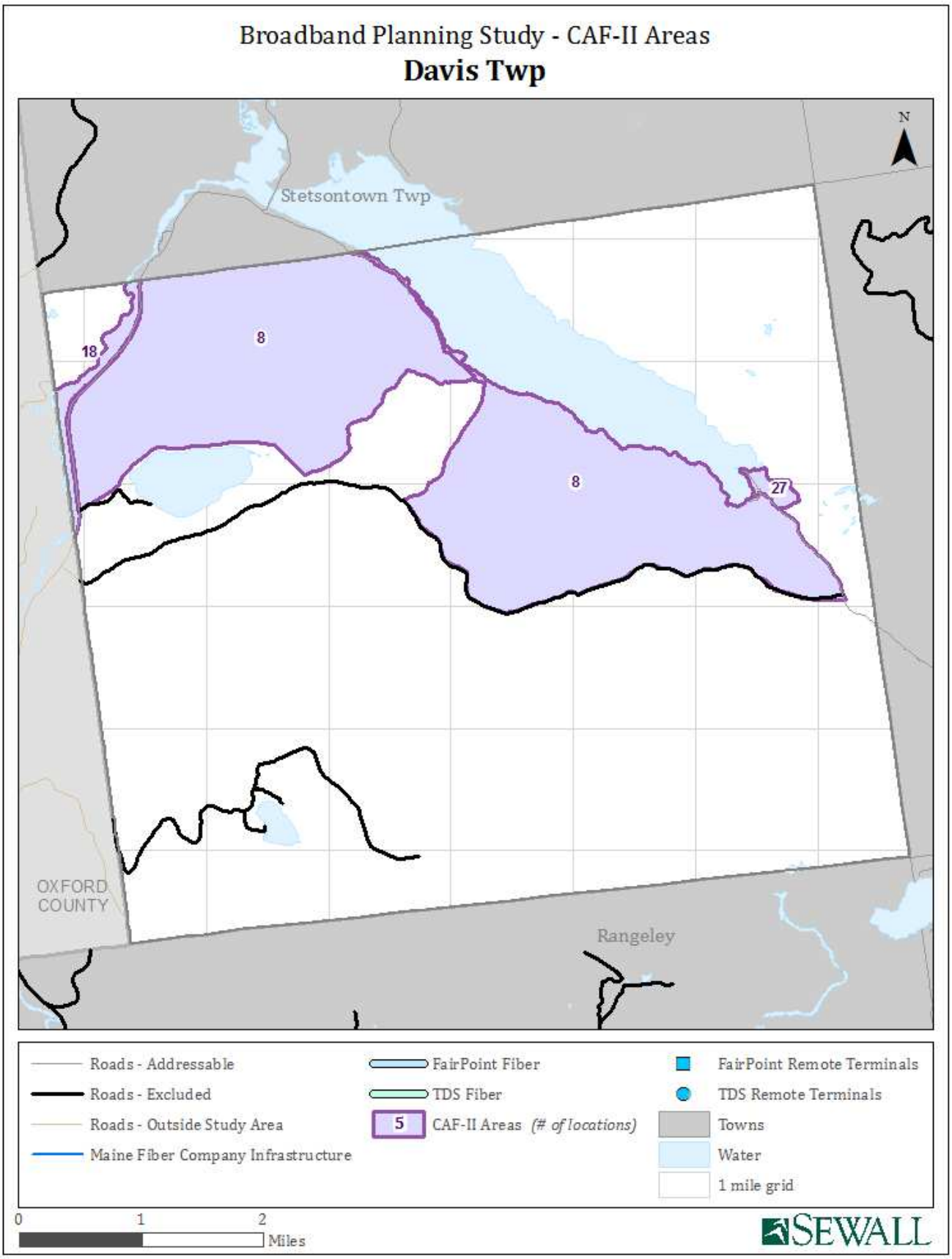
Davis Twp Existing Phone Fiber & Remote Terminals Map 1



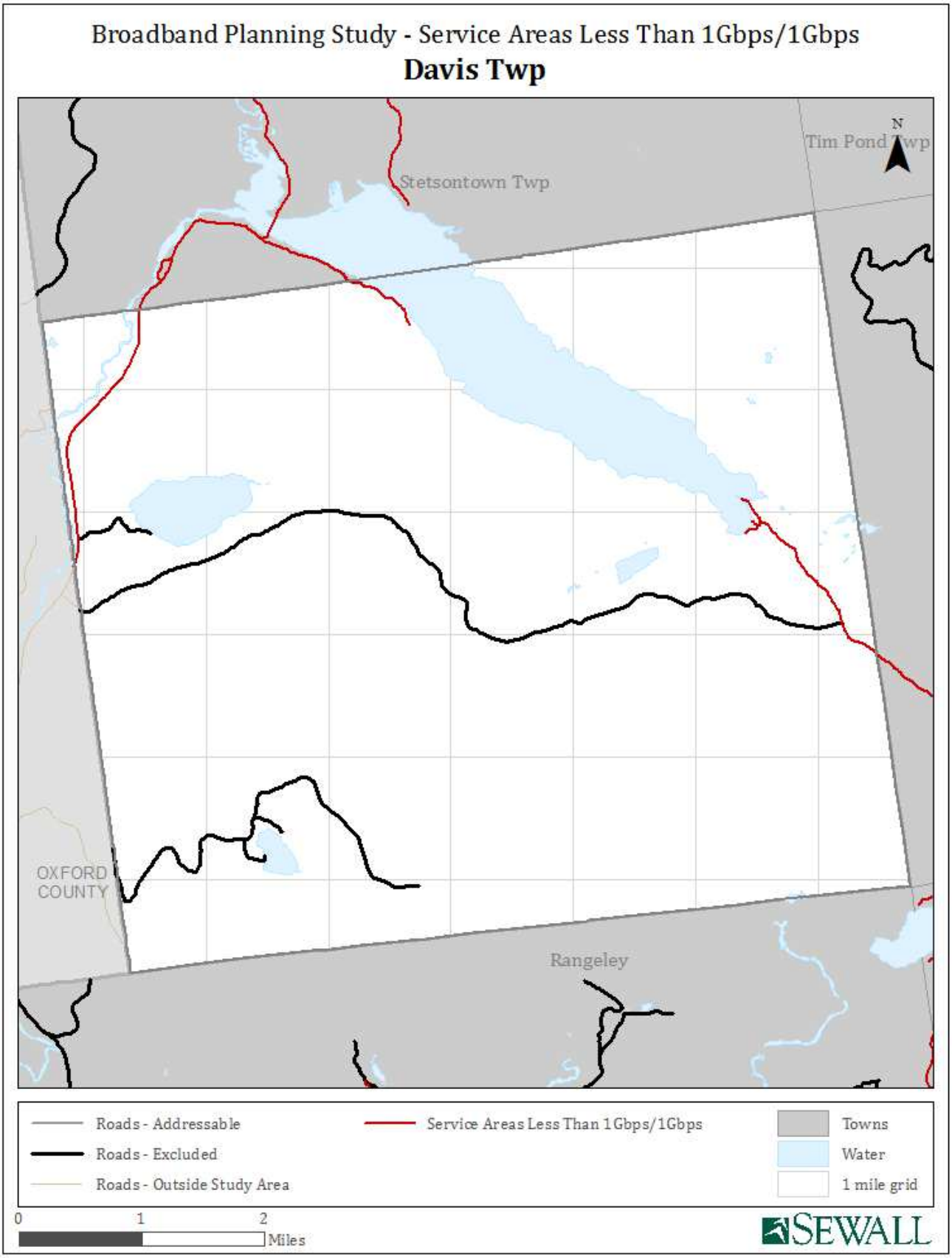
Davis Twp Existing Phone Fiber Map 2



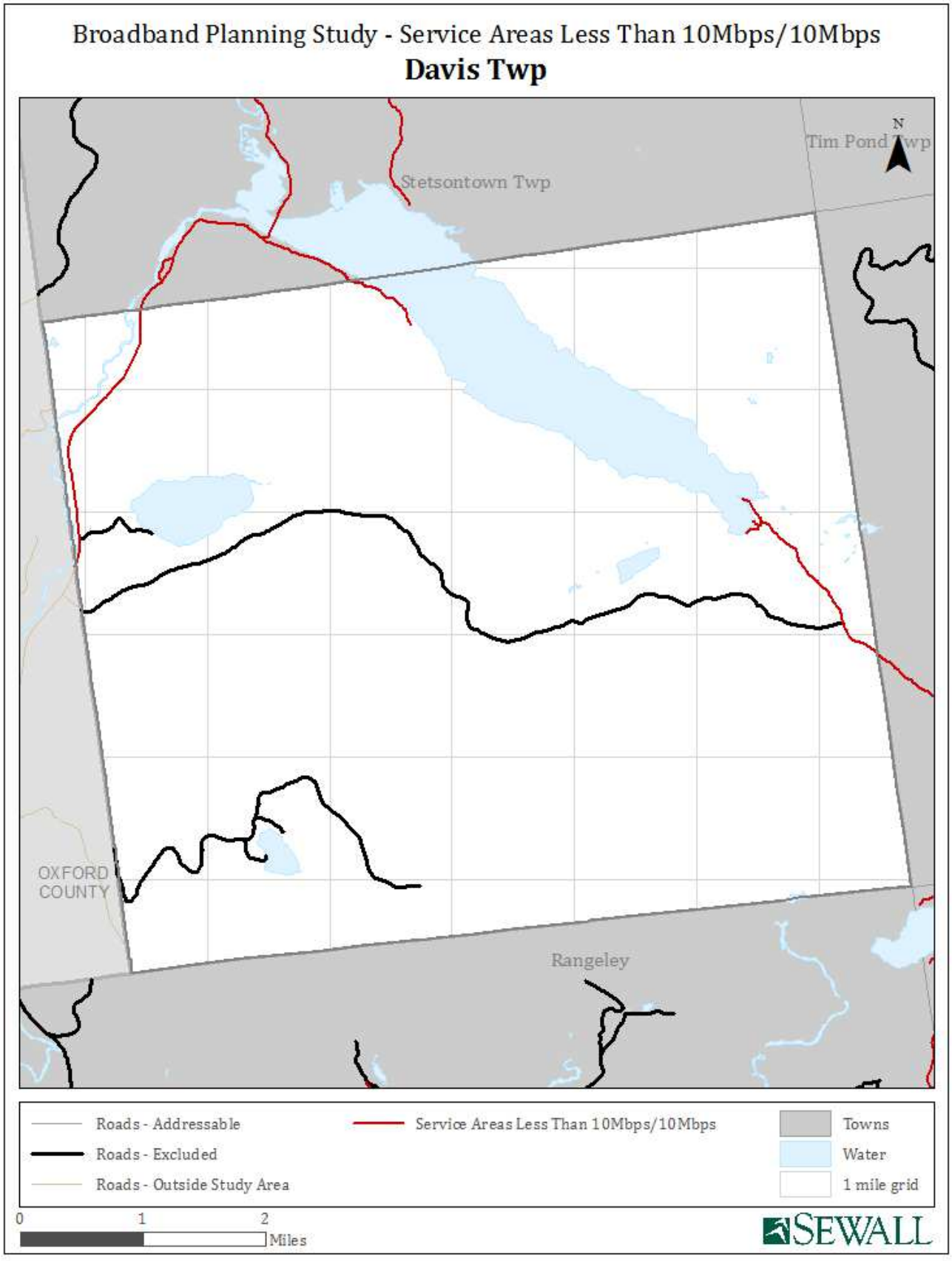
Davis Twp CAF-II Map 3



Davis Twp Service Areas less than 1 Gbps/1 Gbps Map 6



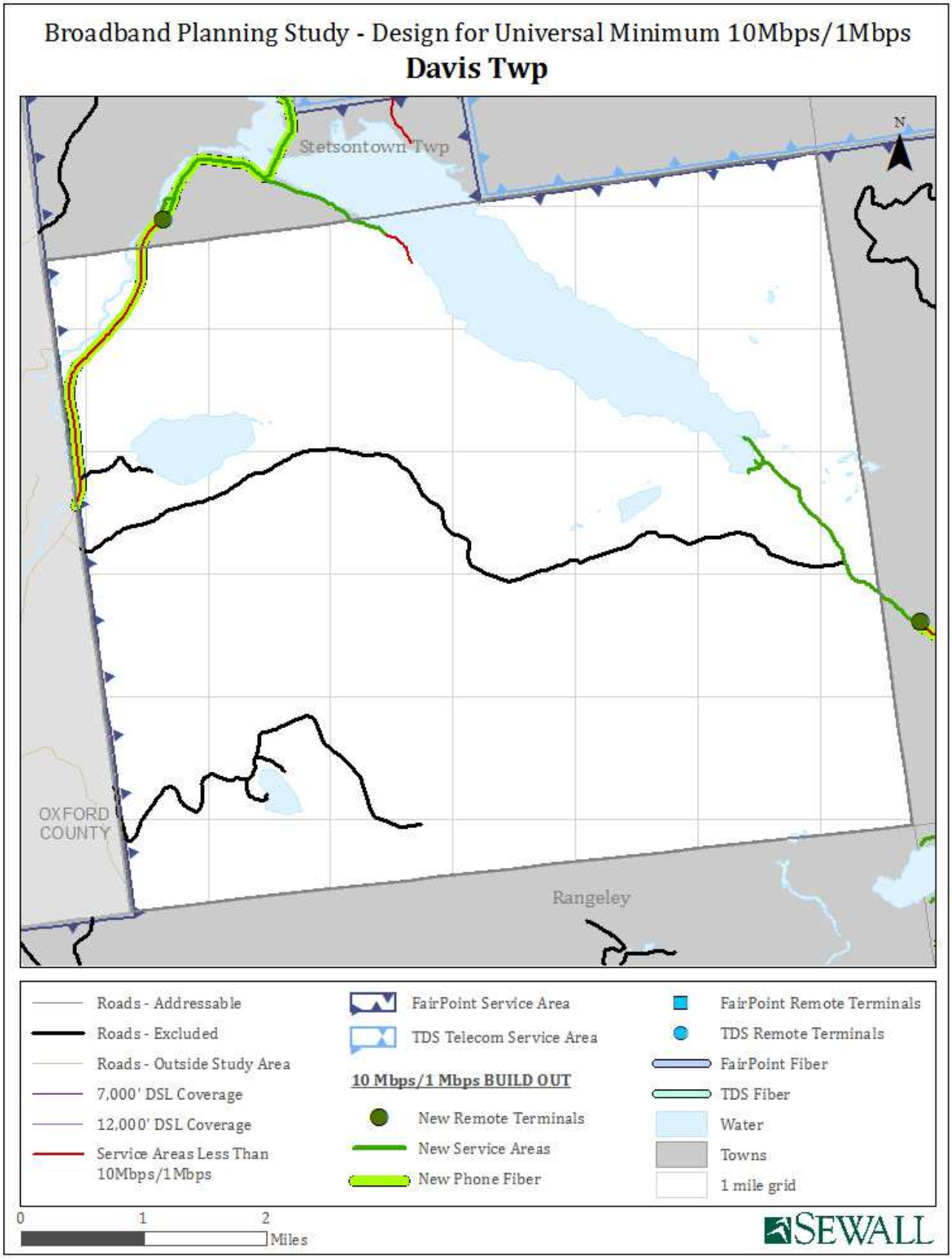
Davis Twp Service Areas less than 10 Mbps/10 Mbps Map 7



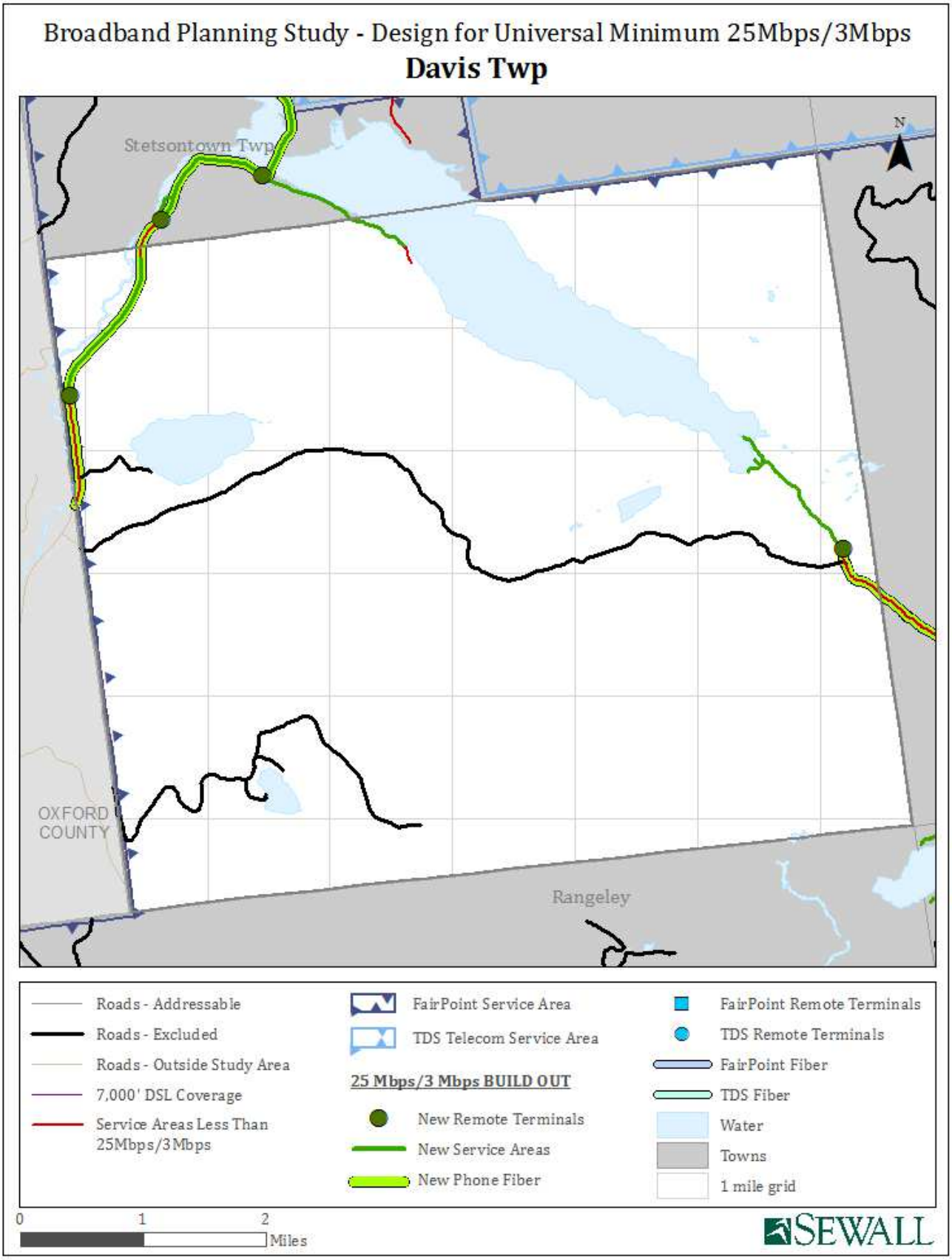
Davis Twp Service Areas less than 25 Mbps/3 Mbps Map 8

Davis Twp Service Areas less than 10 Mbps/1 Mbps Map 9

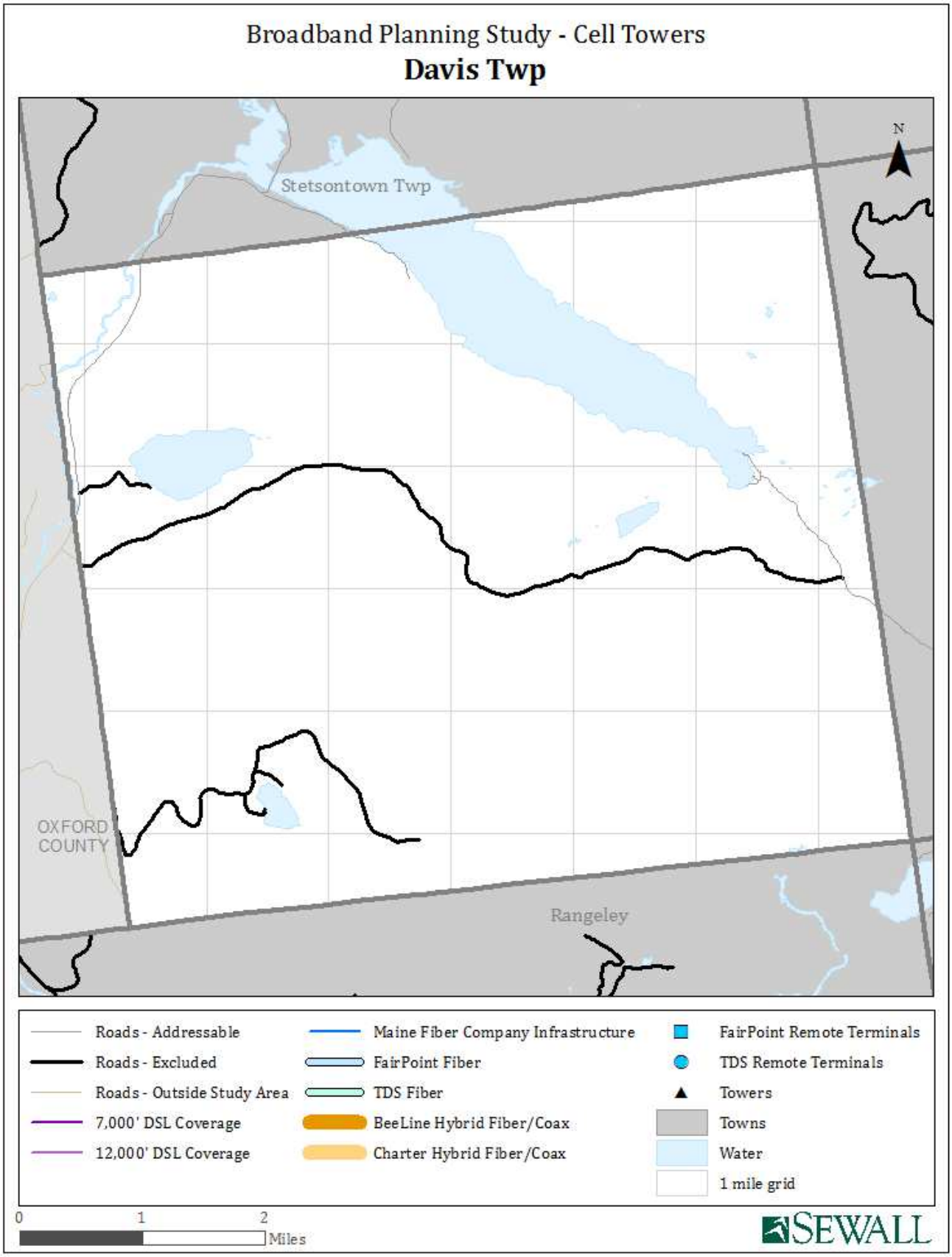
Davis Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Davis Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Davis Twp Cell Towers Map 12



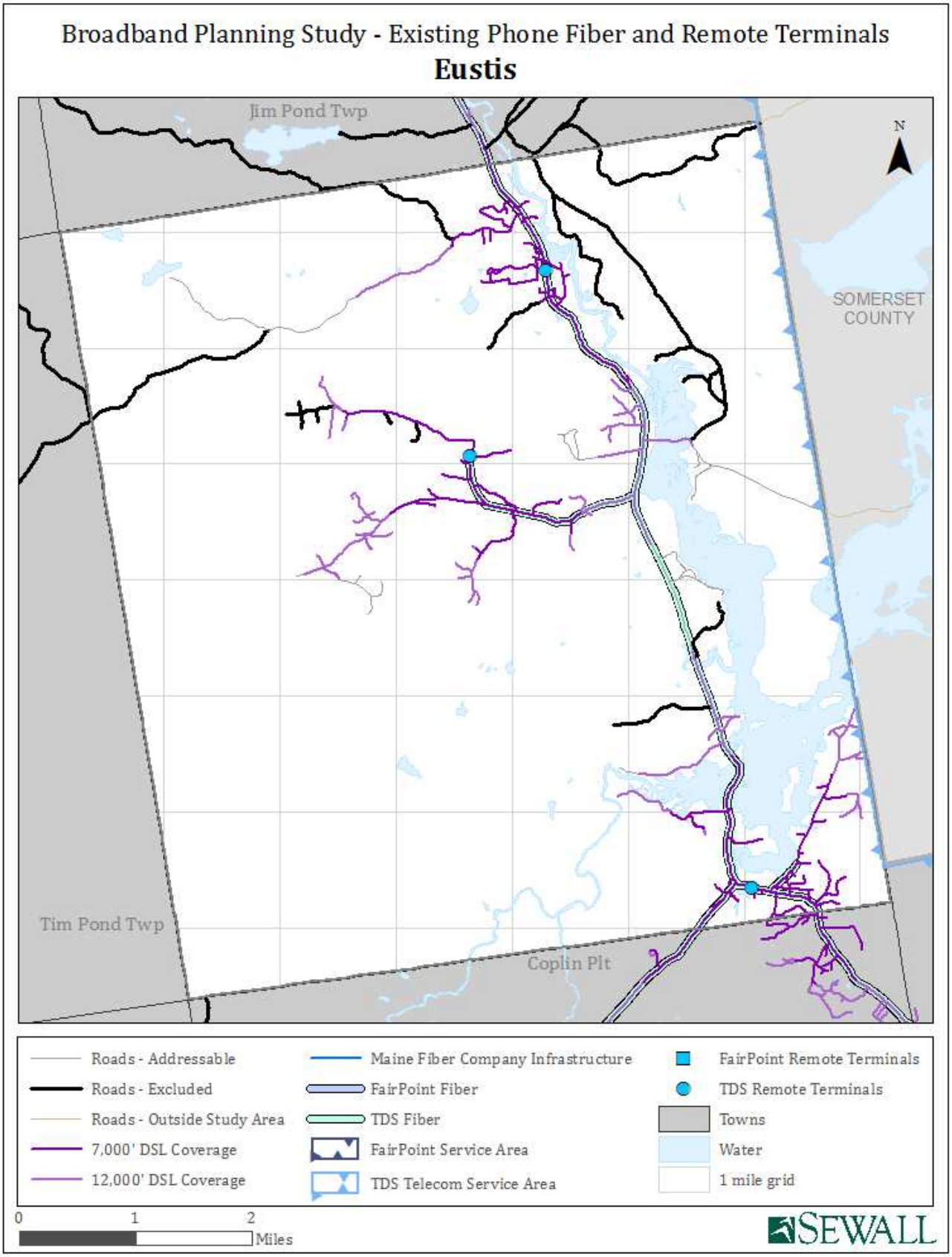
C-12 Eustis/Stratton

Special Considerations

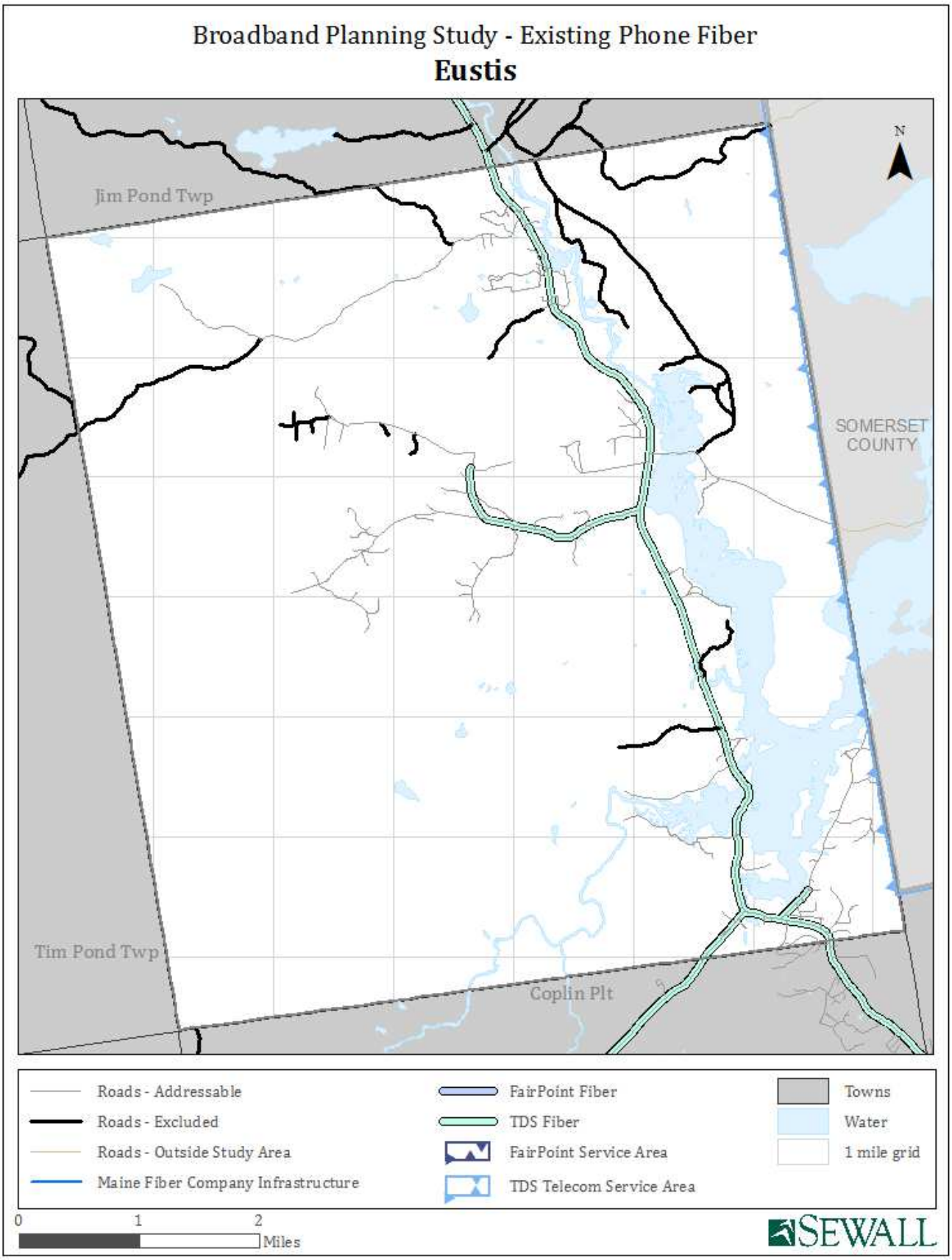
None

Eustis/Stratton				
Statistical Data	**Cost**	**Unit**	**Eustis/Stratton**	**Study Area Totals**
911 Addresses			794	**22,824**
Total Road Mileage			58.5	**1,637**
Phone Fiber Mileage			10.4	**336**
Hybrid Fiber/Coax Mileage			25	**451**
1G/1G FTTP Gap Miles	$40,000	mile	44.9	**1,353**
1G/1G FTTP 911 Addresses	$ 700	sub	784	**22,500**
Potential Subscribers per mile			*17*	***17***
Total Cost			**$2,346,049**	**$69,872,775**
Per Potential Subscriber			*$2,992*	***$3,105***
Per Mile			*$52,214*	*$51,640*
10M/10M Gap Miles	$35,000	mile	19.4	**900**
10M/10M Gap 911 Addresses	$ 350	sub	197	**8,351**
Potential Subscribers per mile			*10*	***9***
Total Cost			**$746,647**	**$34,438,469**
Per Potential Subscriber			*$3,790*	***$4,124***
Per Mile			*$38,561*	*$38,246*
Potential private investment			$379,825	$15,969,618
Potential public subsidy			$366,821	$18,468,851
25M/3M Gap Miles			14.1	**650**
25M/3M Gap 911 Addresses			140	**4,931**
25M/3M New RT Quantity	$25,000		5	**270**
25M/3M New Fiber Miles	$25,000		1.6	**182**
Potential Subscribers per mile			*10*	***8***
Total Cost			$165,812	$11,305,524
Per Potential Subscriber			*$1,184*	*$2,293*
Potential private investment			$82,499	$4,286,572
Potential public subsidy			$83,313	$7,018,952
10M/1M Gap Miles			6.7	**407**
10M/1M Gap 911 Addresses			73	**2,925**
10M/1M New RT Quantity	$25,000		1	**93**
10M/1M New Fiber Miles	$25,000		-	**74**
Potential Subscribers per mile			*11*	***7***
Total Cost			$25,000	$4,167,973
Per Potential Subscriber			*$342*	*$1,425*
Potential private investment			$13,592	$1,497,587
Potential public subsidy			$11,408	$2,670,386
CAF-II Funded Locations			-	**2,429**
A-CAM Funded Locations			8	**1,600**
Open-Access Dark Fiber Revenue	$15	sub	$70,560	$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	$20	pole	$29,655	$893,026
Insurance	$185	mile	$8,302	$250,000
OSP Restoration & Maintenance	$200	mile	$8,986	$270,614
Moves, Adds, Changes, Disconnects	$25	sub	$9,800	$281,250
Administration	$30	sub	$11,760	$337,500
Total Operating Expense			**$68,503**	**$2,032,390**
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			**$2,057**	**($7,390)**

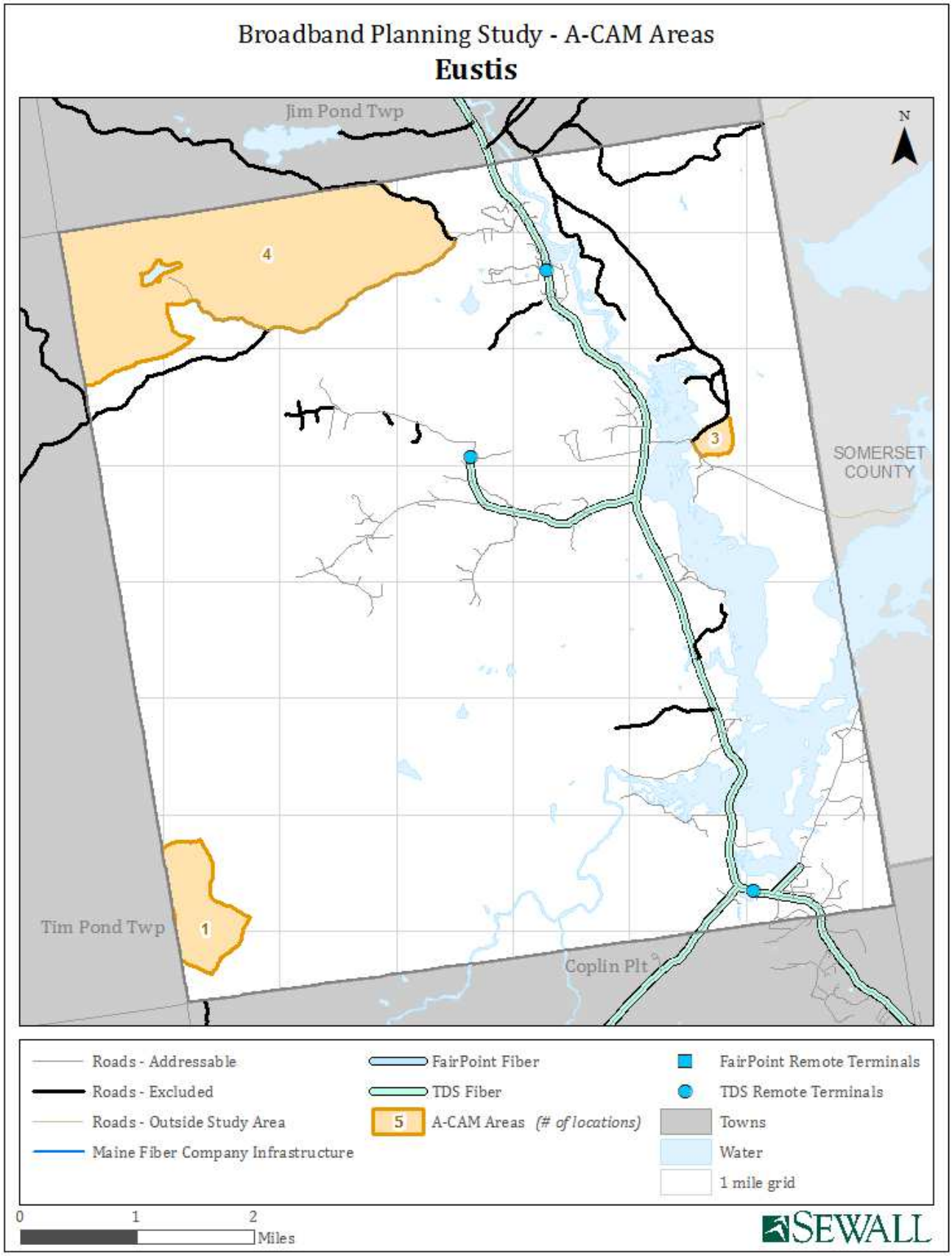
Eustis/Stratton Existing Phone Fiber & Remote Terminals Map 1



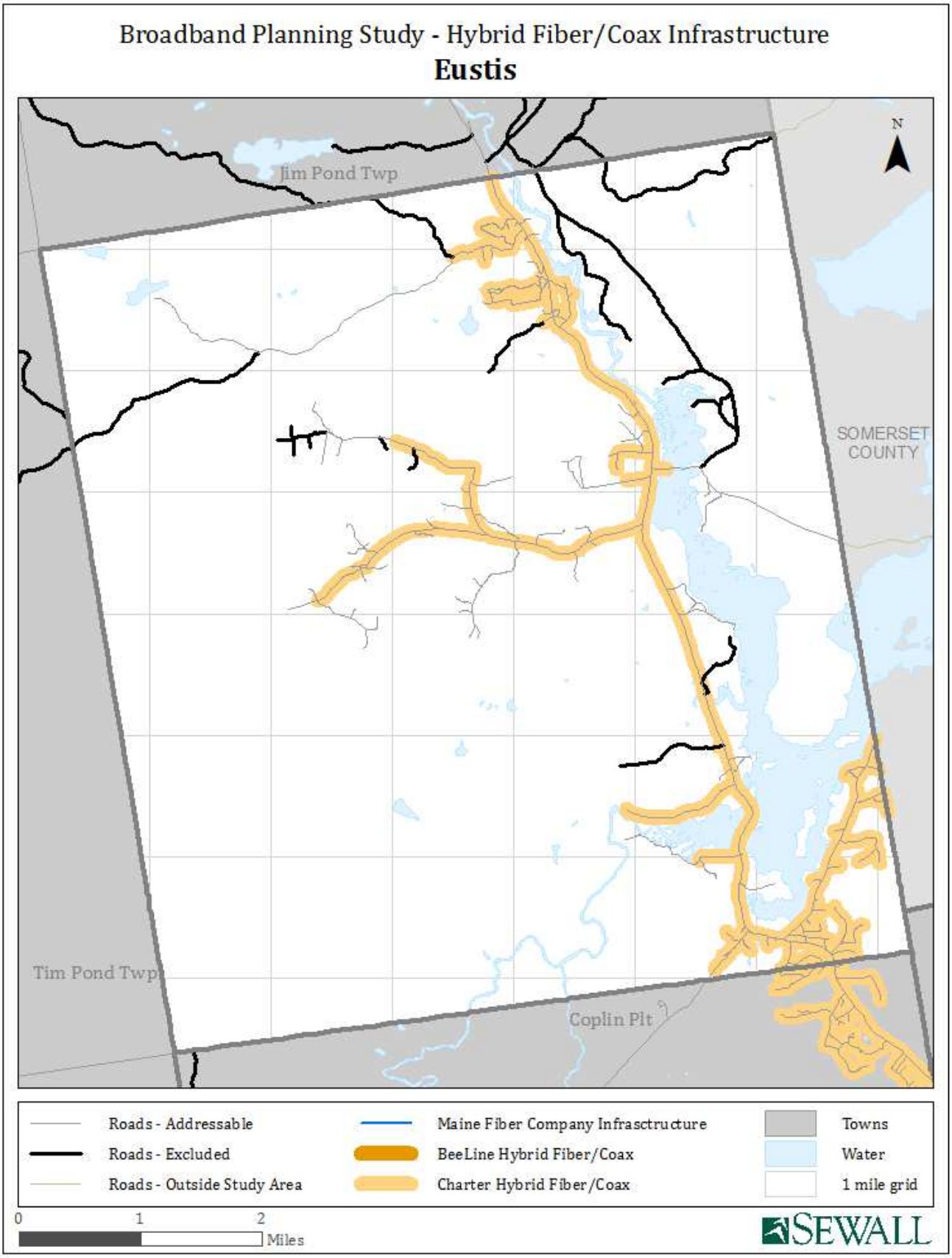
Eustis/Stratton Existing Phone Fiber Map 2



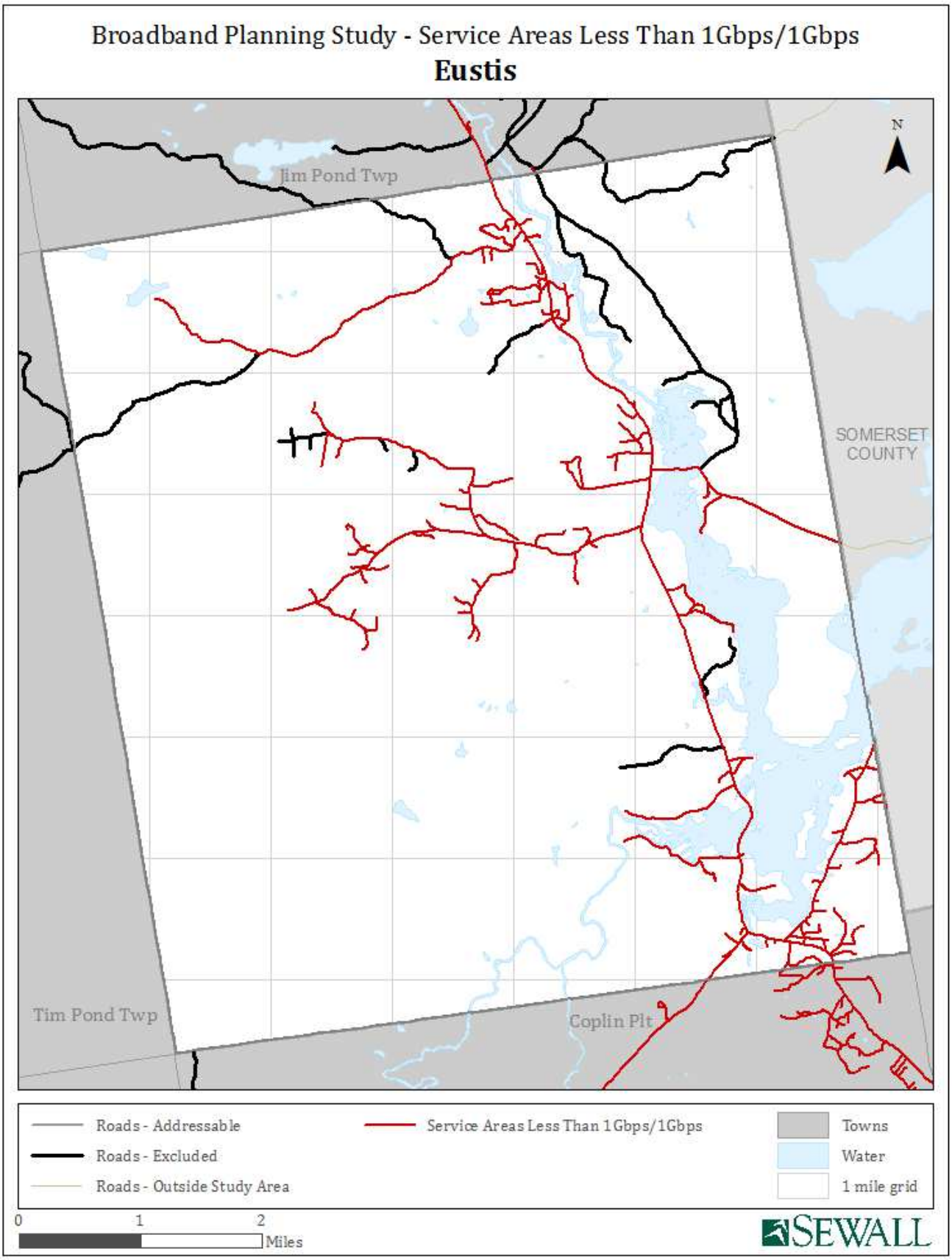
Eustis/Stratton A-CAM Map 4



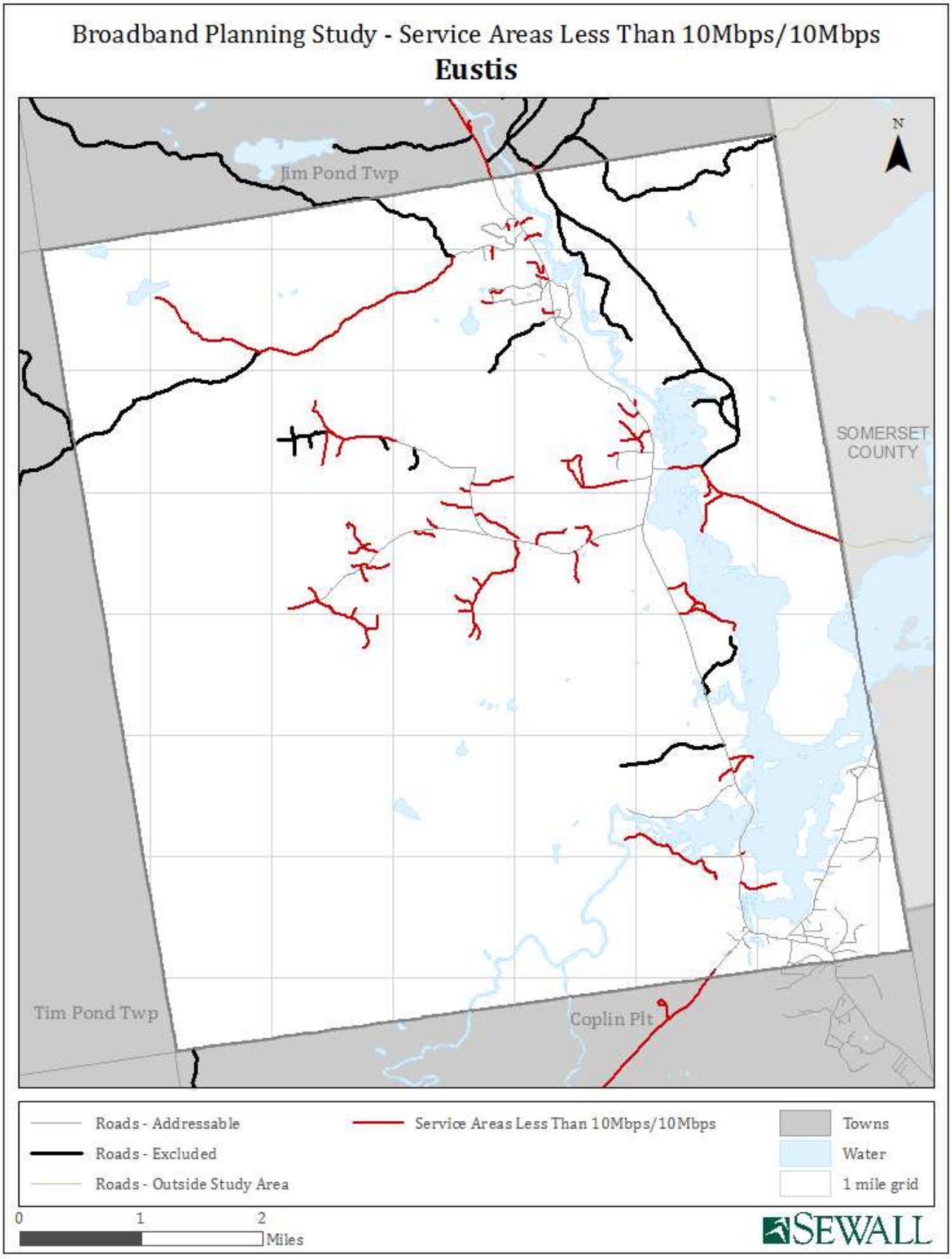
Eustis/Stratton Hybrid Fiber/Coax Infrastructure Map 5



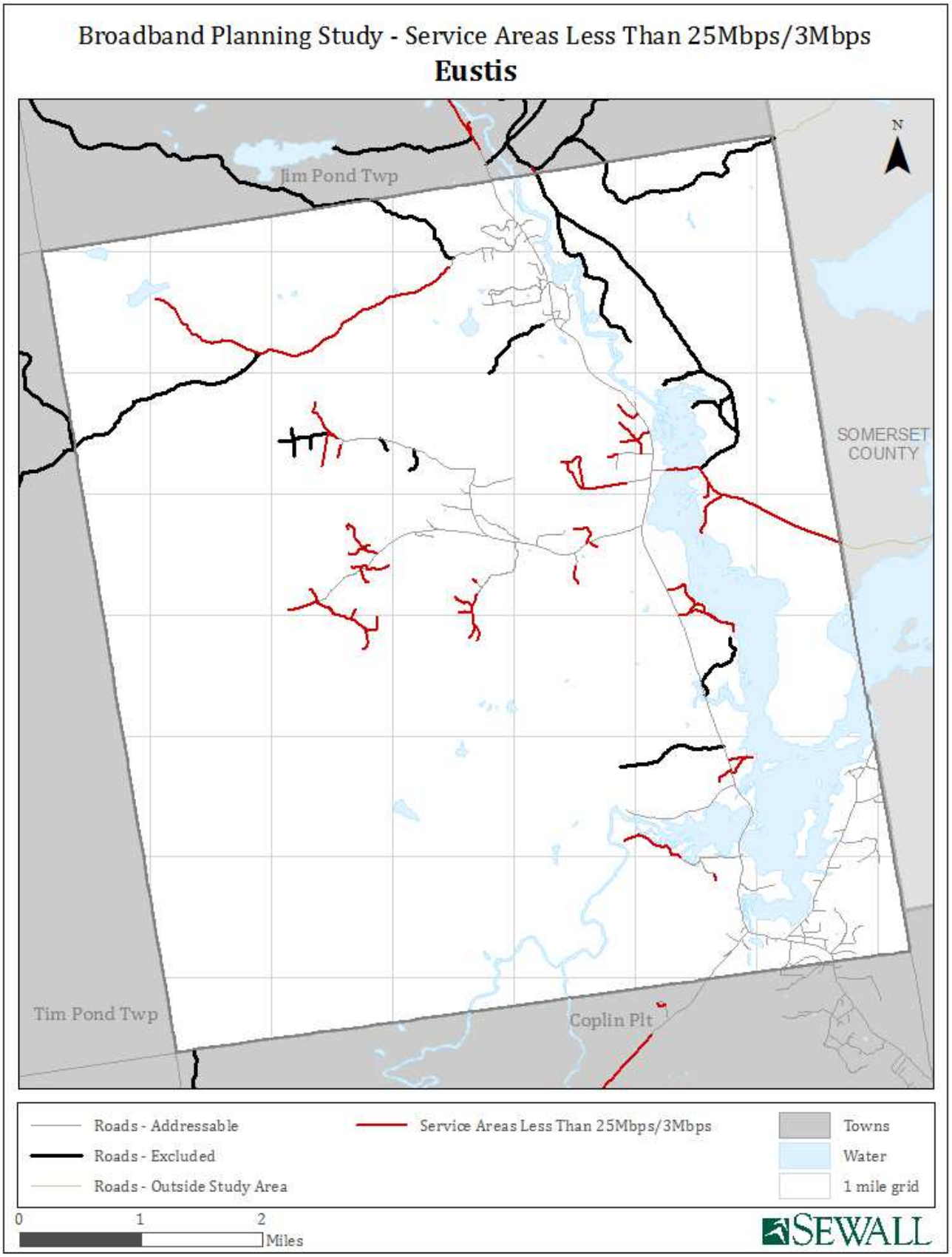
Eustis/Stratton Service Areas less than 1 Gbps/1 Gbps Map 6



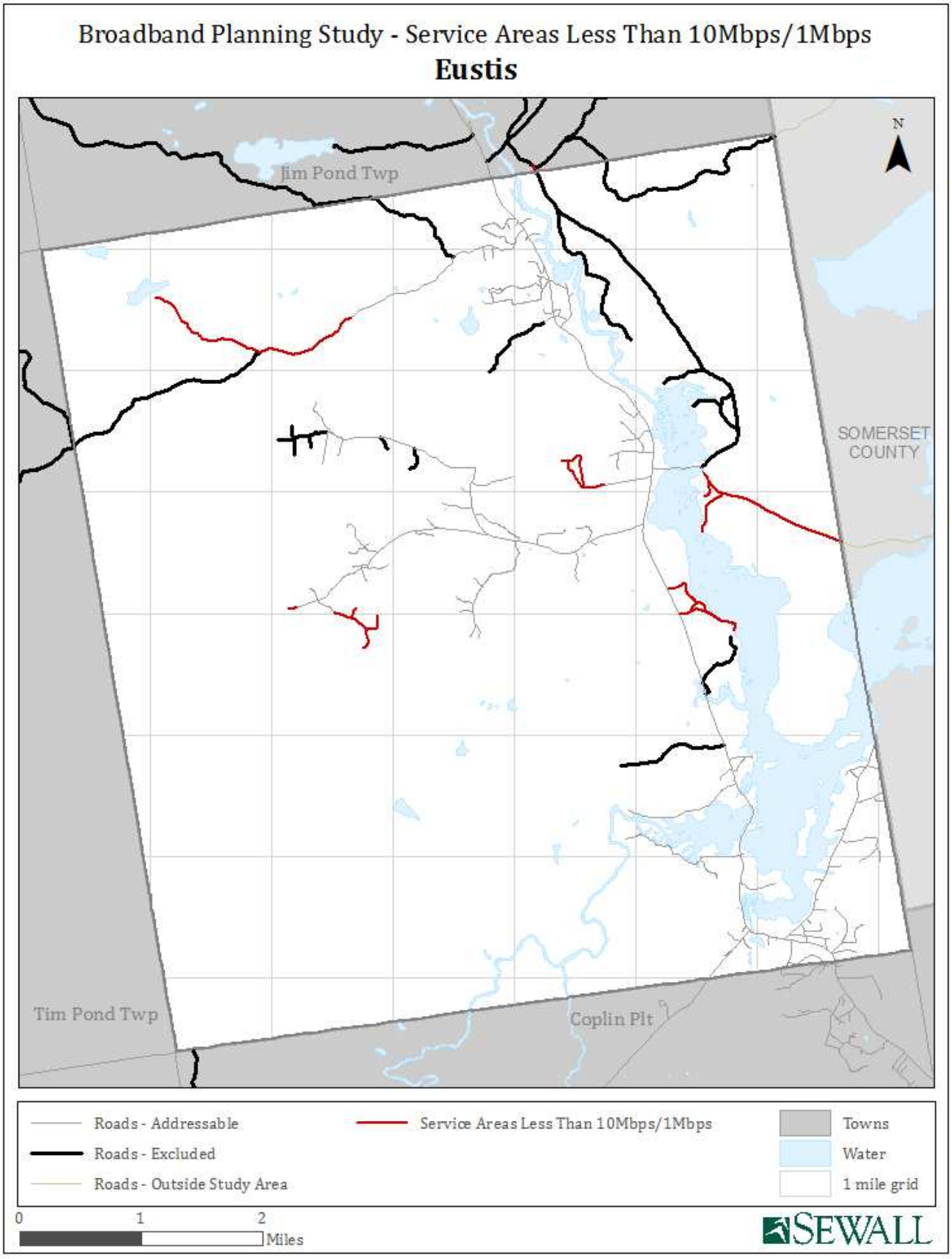
Eustis/Stratton Service Areas less than 10 Mbps/10 Mbps Map 7



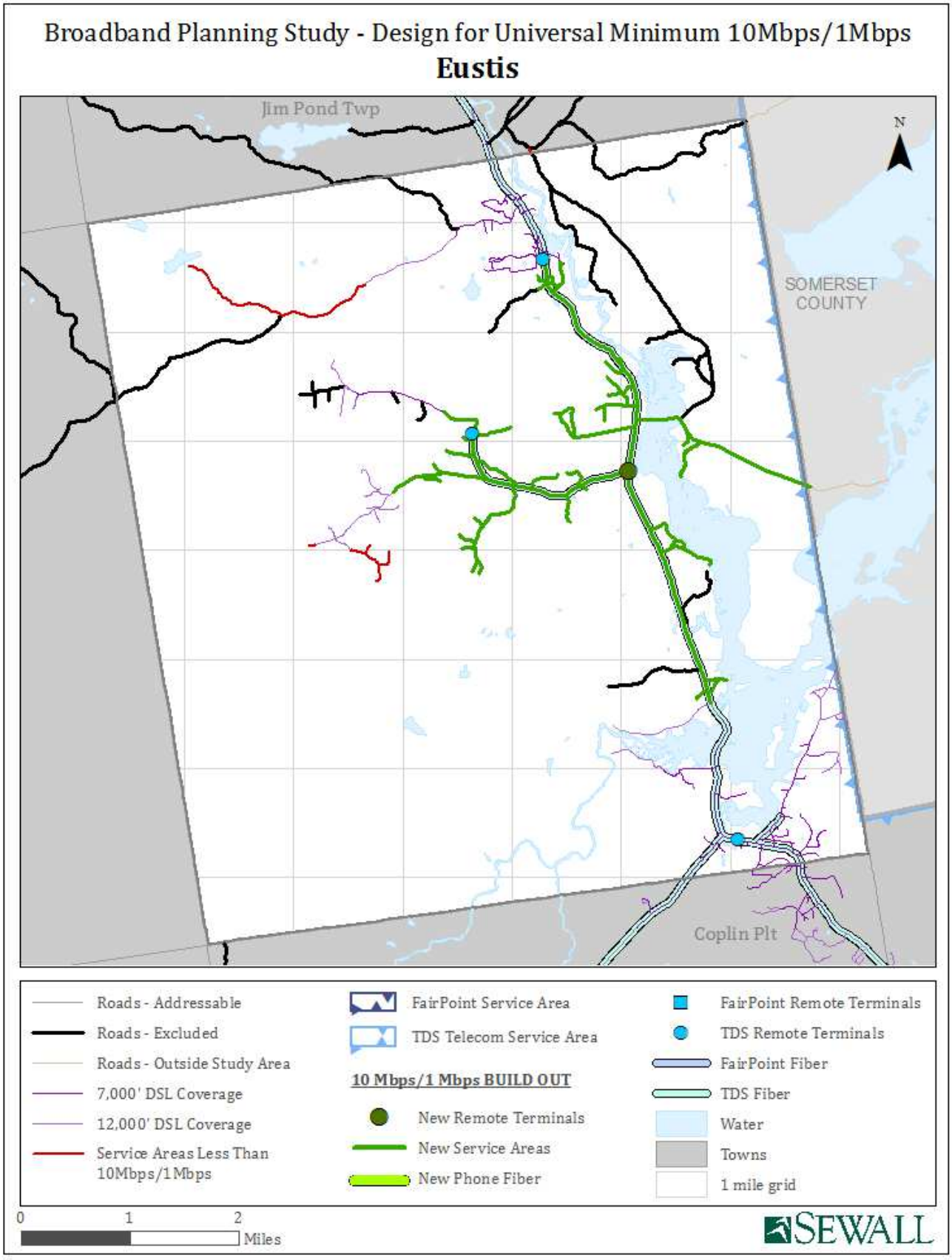
Eustis/Stratton Service Areas less than 25 Mbps/3 Mbps Map 8



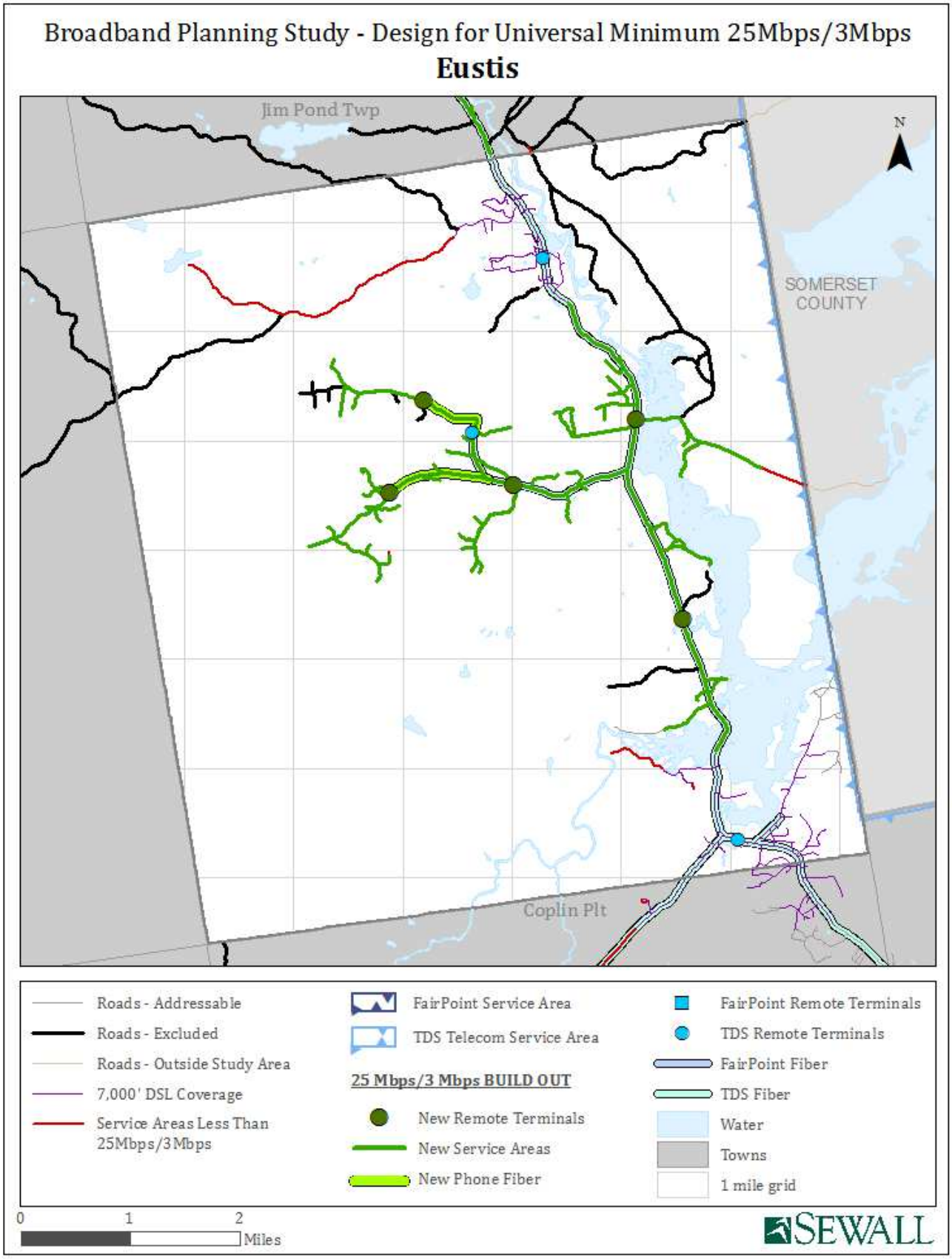
Eustis/Stratton Service Areas less than 10 Mbps/1 Mbps Map 9



Eustis/Stratton Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Eustis/Stratton Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Eustis/Stratton Cell Towers Map 12