

Appendix

Appendix A. Inspection sheets of SMM, SMC, BMM, BMC and
RCC (First, Second and Final inspection sheet)

Appendix B. GIS Maps of Beneficiary Location

Appendix A. Inspection sheets

SMM, SMC, BMM, BMC and RCC (First, Second and Final inspection sheet)

These sheets are unofficial translated version from the original Nepali version. These sheets were later modified with addition of an exception column after the correction/exception manual was published by NRA in April 2017.



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

First Inspection of SMM

INSPECTION SHEET OF STONE MASONRY WITH MUD MORTAR FOR FIRST INSPECTION									
Information of House Owner/Beneficiary			Date of Inspection						
Name:			Grand Agreement No.						
Address:									
District		VDC/Municipality		Land plot No					
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE									
If use fix design from design catalogue,			Design No.						
If free design by house owner			Technique and Construction material						
Fill construction typology from P.A form			Construction of roof and materials						
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization <input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()					
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type <input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft					
SECTION- II: DETAILED TECHNICAL INSPECTION									
MR No.	Category	Description		Comply to MRs		Remarks			
				YES	NO				
1	Site selection located away from	Geological fault or Ruptured Area		<input type="checkbox"/>	<input type="checkbox"/>				
		Steep Slope > 20°		<input type="checkbox"/>	<input type="checkbox"/>				
		Landslide susceptible Area		<input type="checkbox"/>	<input type="checkbox"/>				
		River bank and Water logged Area		<input type="checkbox"/>	<input type="checkbox"/>				
		Rock-fall Area		<input type="checkbox"/>	<input type="checkbox"/>				
		Liquefaction susceptible Area		<input type="checkbox"/>	<input type="checkbox"/>				
		Filled Area		<input type="checkbox"/>	<input type="checkbox"/>				
2	Shape of House	No. of storey		RC band	Not more than one plus habitable attic	<input type="checkbox"/>	<input type="checkbox"/>		
		Span of Wall		Not more than 12 times thickness of wall and not more than 4.5m (14'9")		<input type="checkbox"/>	<input type="checkbox"/>		
		Size of room		Not more than 13.5sq.m (145'4" sq.ft)		<input type="checkbox"/>	<input type="checkbox"/>		
		Proportion		Simple and regular shape as square and rectangular		<input type="checkbox"/>	<input type="checkbox"/>		
				The length is not more than 3 times of its width		<input type="checkbox"/>	<input type="checkbox"/>		
3	Materials	Stone		Avoid round, easily breakable soft stone Size: Thickness>50mm(2"), length/Breadth>150mm(6")		<input type="checkbox"/>	<input type="checkbox"/>		
		Mortar		Mud mortar		Free from organic materials, pebbles, hard materials.		<input type="checkbox"/>	<input type="checkbox"/>
				Cement mortar		Strength is not less than 1 cement : 6 sand mixture		<input type="checkbox"/>	<input type="checkbox"/>
		Concrete		M15 grade (1 cement : 2 sand : 4 aggregate)		<input type="checkbox"/>	<input type="checkbox"/>		
		Rebar		fy = 415 Mpa /500 Mpa		<input type="checkbox"/>	<input type="checkbox"/>		
Timber		Hard wood		<input type="checkbox"/>	<input type="checkbox"/>				
4	Foundation	Continuous strip footing		<input type="checkbox"/>	<input type="checkbox"/>				
		Depth below GL		750mm(2'6") for one storey		<input type="checkbox"/>	<input type="checkbox"/>		
		Base Width		Soft>800mm(2'8"), Medium>750mm(2'6"), Hard>750mm(2'6")		<input type="checkbox"/>	<input type="checkbox"/>		
5	Vertical member	Started right from the foundation		<input type="checkbox"/>	<input type="checkbox"/>				
		Reinforcement		Rc		<input type="checkbox"/>	<input type="checkbox"/>		
				Timber		Hard wood. One member of 75mm(3") x 100mm(4") for corner. Two member of 75mm(3") x 100mm(4") for openings			
Anchorage		60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>				
6	Plinth	Height from GL		Not less than 300mm(1') from GL		<input type="checkbox"/>	<input type="checkbox"/>		
		Thickness		150mm(6") for medium and soft soil. 75mm(3") for hard soil		<input type="checkbox"/>	<input type="checkbox"/>		

		Width	Not less than wall thickness/350mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Reinforcement	RC band	<input type="checkbox"/>	<input type="checkbox"/>	
			Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height Stirrups: 6mm dia. at 150mm(6"), Concrete cover of 25mm(1")			

a) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

b) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

c) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

1. At least four number of photographs with their number
2. Tentative drawings of building:



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Second Inspection of SMM

INSPECTION SHEET OF								
STONE MASONRY WITH MUD MORTAR FOR SECOND INSPECTION								
Information of House Owner/Beneficiary				Date of Inspection				
Name:				Grand Agreement No.				
Address:	District _____ VDC/Municipality _____ ward _____ tole _____ Land plot No _____							
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE								
If use fix design from design catalogue,				Design No.	SMM-1.1			
If free design by house owner				Technique and Construction material				
Fill construction typology from P.A form				Construction of roof and materials				
Technical Assistant	<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization	<input type="checkbox"/> GoN, <input type="checkbox"/> NGO (_____)				
Trained Masons used	<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type	<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft				
SECTION- II: DETAILED TECHNICAL INSPECTION								
MR No.	Category	Description			Comply to MRs		Remarks	
					YES	NO		
2	Shape of House	No. of storey	RC band	Not more than one plus habitable attic	<input type="checkbox"/>	<input type="checkbox"/>		
			Timber band	Not more than one storey.				
		Span of Wall	Not more than 12 times thickness of wall and not more than 4.5m (14'9")			<input type="checkbox"/>	<input type="checkbox"/>	
		Size of room	Not more than 13.5sq.m (145'4"sq.ft)			<input type="checkbox"/>	<input type="checkbox"/>	
		Height of wall	Not be more than 3.0m (9'10").			<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Height of attic	Floor to ridge: Not more than 1.8m (5'11") Floor to eave :Not more than 1.0m(3'10")			<input type="checkbox"/>	<input type="checkbox"/>	
		Stone	Avoid round, easily breakable soft stone Size: Thickness>50mm(2"),length/Breadth>150mm(6")			<input type="checkbox"/>	<input type="checkbox"/>	
			Mortar	Mud mortar	Free from organic materials, pebbles, hard materials.		<input type="checkbox"/>	<input type="checkbox"/>
		Cement mortar		Strength is not less than 1 cement : 6 sand mixture		<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M15grade (1 cement: 2 sand: 4 aggregate)			<input type="checkbox"/>	<input type="checkbox"/>	
5	Vertical member	Rebar	fy = 415 Mpa /500 Mpa			<input type="checkbox"/>	<input type="checkbox"/>	
		Timber	Hard wood			<input type="checkbox"/>	<input type="checkbox"/>	
			RC	Placed at all corners, junctions of walls and openings		<input type="checkbox"/>	<input type="checkbox"/>	
7	Walls	Reinforcement	Hard wood. One member of 75mm (3") x 100mm (4") for corner. Two member of 75mm(3") x 100mm(4") for openings		<input type="checkbox"/>	<input type="checkbox"/>		
		Anchorage	60 times diameter of reinforcement			<input type="checkbox"/>	<input type="checkbox"/>	
		layering	Interlocked at corner and junction. Avoid vertical joint and staggered.			<input type="checkbox"/>	<input type="checkbox"/>	
		Thickness	Not less than 350 mm(1'2")			<input type="checkbox"/>	<input type="checkbox"/>	
		Through stones	Not more than 600 mm (2'), vertically 1.2m (4') horizontally.			<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar Joint	Not more than 20mm(0.8") and less than 10mm (0.4")			<input type="checkbox"/>	<input type="checkbox"/>	
8	Doors / windows	Buttresses	Provided when the wall length is longer than above mentioned.			<input type="checkbox"/>	<input type="checkbox"/>	
		Gable wall	Using light material			<input type="checkbox"/>	<input type="checkbox"/>	
		Location	Away from corner at least 600 mm (2') or 1/4 th of height of opening.			<input type="checkbox"/>	<input type="checkbox"/>	
9	Horizontal band	Total length	Not less than 30% of the wall length for single storey.			<input type="checkbox"/>	<input type="checkbox"/>	
		Distance	Not less than 600 mm (2').			<input type="checkbox"/>	<input type="checkbox"/>	
9	Horizontal band	Sill band	Rc	Continuous band through all walls Not less than 75mm (3") thick.		<input type="checkbox"/>	<input type="checkbox"/>	
			Timber	Main member, 2-75mmx38mm		<input type="checkbox"/>	<input type="checkbox"/>	

		Lintel band	Not less than 75mm(3") thick,if opening width<1.0m(3'3") and masonry height above opening 0.9m.(3') Not less than 150mm(6") thick,if opening width<1.5m(5') and masonry height above opening 1.2m(4')	properly connected with batten, 50mmX30mm @ 500c/c.	<input type="checkbox"/>	<input type="checkbox"/>	
		stitch	At corners and junctions, length>1.2m (4') Not less than 75mm (3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
		Roof band	Continuous band through all walls. Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
		Reinforcement	Main: 4-12dia for 150mm (6"), 2-12dia for 75mm (3") height Stirrups: 6mm dia. at 150mm (6"), Concrete cover of 25mm (1")		<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>	

d) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

e) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

f) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

3. At least four number of photographs with their number
4. Tentative drawings of building



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Final Inspection of SMM

INSPECTION SHEET OF STONE MAONRY WITH MUD MORTAR FOR FINAL INSPECTION						
Information of House Owner/Beneficiary			Date of Inspection		D	D
Name:			Grand Agreement No.			
Address:						
District		VDC/Municipality		ward	tole	Land plot No
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE						
If use fix design from design catalogue,			Design No.		SMC-1.1	
If free design by house owner			Technique and Construction material		1.1	
Fill construction typology from P.A form			Construction of roof and materials		2.1	
Technical Assistant	<input type="checkbox"/> YES, <input type="checkbox"/> NO	Organization	<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()			
Trained Masons used	<input type="checkbox"/> YES, <input type="checkbox"/> NO	Soil type	<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft			
SECTION- II: DETAILED TECHNICAL INSPECTION						
MR No	Category	Description		Comply to MRs		Remarks
				YES	NO	
7	Walls	Gable wall	Lightweight materials	<input type="checkbox"/>	<input type="checkbox"/>	
		Material	Use light roof	<input type="checkbox"/>	<input type="checkbox"/>	
10	Roof	Connection	All member connected properly	<input type="checkbox"/>	<input type="checkbox"/>	
		Bracing	For flexible diaphragm, Diagonal bracing shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	

- a) After the detail description of the constructed house, is it satisfactory to give certification of construction completion.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-X, if not please order for correction based on Annex-X

- b) If found unsatisfactory, what are the things that need to be improve:

1.....
2.....
3.....
4.....

- c) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

5. At least four number of photographs with their number



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First Inspection of SMC

INSPECTION SHEET OF STONE MASONRY WITH CEMENT MORTAR FOR FIRST INSPECTION							
Information of House Owner/Beneficiary				Date of Inspection		D D - M M - Y Y Y Y	
Name:				Grand Agreement No.			
Address:				District		VDC/Municipality	
				ward		tole	
						Land plot No	
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE							
If use fix design from design catalogue,				Design No.		SMC-1.1	
If free design by house owner				Technique and Construction material		1.1	
Fill construction typology from P.A form				Construction of roof and materials		2.1	
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization		<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()	
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type		<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft	
SECTION- II: DETAILED TECHNICAL INSPECTION							
MR No	Category	Description	Comply to MRs		Remarks		
			YES	NO			
1	Site selection located away from	Geological fault or Ruptured Area	<input type="checkbox"/>	<input type="checkbox"/>			
		Steep Slope > 20°	<input type="checkbox"/>	<input type="checkbox"/>			
		Landslide susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>			
		River bank and Water logged Area	<input type="checkbox"/>	<input type="checkbox"/>			
		Rock-fall Area	<input type="checkbox"/>	<input type="checkbox"/>			
		Liquefaction susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>			
		Filled Area	<input type="checkbox"/>	<input type="checkbox"/>			
2	Shape of House	No. of storey	Not more than two plus attic		<input type="checkbox"/>	<input type="checkbox"/>	
		Span of Wall	Not more than 4.5m (14'9")		<input type="checkbox"/>	<input type="checkbox"/>	
		Size of room	Not more than 13.5sq.m (145'4"sq.ft)		<input type="checkbox"/>	<input type="checkbox"/>	
		Proportion	Simple and regular shape as square and rectangular		<input type="checkbox"/>	<input type="checkbox"/>	
			The length is not more than 3 times of its width		<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Stone	Avoid round, easily breakable soft stone Size: Thickness>50mm(2"), length>150mm(6")		<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	Strength is not less than 1 cement : 6 sand mixture		<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M20grade (1cement: 1.5sand: 3aggregate)		<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa		<input type="checkbox"/>	<input type="checkbox"/>	
		Timber	Hard wood		<input type="checkbox"/>	<input type="checkbox"/>	
4	Foundation	Continuous strip footing		<input type="checkbox"/>	<input type="checkbox"/>		
		Depth below GL	800mm(2'8") for one storey, 900mm(3') for two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Base Width	1 storey	Soft: >800mm(2'8"), Medium: >600mm(2'), Hard: >600(2")mm		<input type="checkbox"/>	<input type="checkbox"/>
			2 storey	Soft: Not recommended, Medium:>800mm(2'8"), Hard:>600mm(2')		<input type="checkbox"/>	<input type="checkbox"/>
5	Vertical member	Started right from the foundation		<input type="checkbox"/>	<input type="checkbox"/>		
		Placed at all corners, junctions of walls and openings		<input type="checkbox"/>	<input type="checkbox"/>		
		Reinforcement	12mm for one storey, 16mm for two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>	
6	Plinth	Height from GL	Not less than 300mm(1') from GL		<input type="checkbox"/>	<input type="checkbox"/>	
		Thickness	150mm(6")for medium and soft soil. 75mm(3") for hard soil		<input type="checkbox"/>	<input type="checkbox"/>	
		Width	Not less than wall thickness/350mm(1'2")		<input type="checkbox"/>	<input type="checkbox"/>	

		Reinforcement	Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height, Stirrups: 6mm dia. at 150mm(6") Concrete cover of 25mm(1")	<input type="checkbox"/>	<input type="checkbox"/>	
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g) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

h) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

i) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

6. At least four number of photographs with their number
2. Tentative drawings of building:



Government of Nepal
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Central Level Project Implementation Unit

Second Inspection of SMC

INSPECTION SHEET OF STONE MASONRY WITH CEMENT MORTAR FOR SECOND INSPECTION							
Information of House Owner/Beneficiary				Date of Inspection			
Name:				D D - M M - Y Y Y Y			
Address:				Grand Agreement No.			
District		VDC/Municipality		ward		Land plot No	
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE							
If use fix design from design catalogue,				Design No.		SMC-1.1	
If free design by house owner			Technique and Construction material		1.1		
Fill construction typology from P.A form			Construction of roof and materials		2.1		
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization		<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()	
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type		<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft	
SECTION- II: DETAILED TECHNICAL INSPECTION							
MR No	Category	Description		Comply to MRs		Remarks	
				YES	NO		
2	Shape of House	No. of storey	Not more than two plus attic		<input type="checkbox"/>	<input type="checkbox"/>	
		Span of Wall	Not more than 4.5m(14'9")		<input type="checkbox"/>	<input type="checkbox"/>	
		Size of room	Not more than 13.5sq.m (145'4"sq.ft)		<input type="checkbox"/>	<input type="checkbox"/>	
		Height of wall	Not more than 3.0m(9'10")		<input type="checkbox"/>	<input type="checkbox"/>	
		Height of Attic	Floor to Ridge: Not more than 1.8m(6'), Floor to Eave: Not more than 1.0m(3'3")		<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Stone	Avoid round, easily breakable soft stone Size: Thickness>50mm(2"), length >150mm(6")		<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	Strength is not less than 1 cement : 6 sand mixture		<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M20grade (1cement: 1.5sand: 3aggregate)		<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa		<input type="checkbox"/>	<input type="checkbox"/>	
		Timber	Hard wood		<input type="checkbox"/>	<input type="checkbox"/>	
5	Vertical member	Placed at all corners, junctions of walls and openings		<input type="checkbox"/>	<input type="checkbox"/>		
		Reinforcement	12mm for one storey, 16mm for two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>	
7	Walls	Layering	Interlocked at corner and junction. Avoid vertical joint and staggered.		<input type="checkbox"/>	<input type="checkbox"/>	
		Thickness	Not less than 350mm(1'2")		<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar joint	Not more than 20mm(0.8") and less than 10mm(0.4")		<input type="checkbox"/>	<input type="checkbox"/>	
		Through stone	Not more than 600mm(2') vertically, 1.2m(4') horizontally		<input type="checkbox"/>	<input type="checkbox"/>	
		Buttresses	Provided for the longer wall		<input type="checkbox"/>	<input type="checkbox"/>	
		Gable wall	Light weight material		<input type="checkbox"/>	<input type="checkbox"/>	
8	Doors/ Windows	Location	Away from corner at least 600mm(2')		<input type="checkbox"/>	<input type="checkbox"/>	
		Total length	Not less than 50% and 42% of the wall length for single and two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Distance	Not less than 600mm(2')		<input type="checkbox"/>	<input type="checkbox"/>	
9	Horizontal band	Sill band	Continuous band through all walls Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
		Lintel band	Continuous band through all walls Not less than 75mm(3") thick, if opening width<1.25m and masonry height above 0.9m(3") Not less than 150mm(6")thick, if opening width>1.25m and masonry height above 1.2m(4')		<input type="checkbox"/>	<input type="checkbox"/>	
		Stitch	At corners and junctions, length>1.2m(4') Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
		Roof band	Continuous band through all walls. Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	

		Reinforcement	Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height, Stirrups: 6mm dia. @ 150mm(6") c/c Concrete cover of 25mm(1")	<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	

j) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

k) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

l) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

7. At least four number of photographs with their number
8. Tentative drawings of building



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

First Inspection of BMM

INSPECTION SHEET OF BRICK MASONRY WITH MUD MORTAR FOR 1 ST INSPECTION																
Information of House Owner/Beneficiary					Date of Inspection		D	D	-	M	M	-	Y	Y	Y	Y
Name:					Grand Agreement No.											
Address:																
		District		VDC/Municipality		ward		tole		Land plot No						
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE																
If use fix design from design catalogue,										Design No.		BMM-1.1				
If free design by house owner					Technique and Construction material					1.1						
Fill construction typology from P.A form					Construction of roof and materials					2.1						
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization		<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()										
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type		<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft										
SECTION- II: DETAILED TECHNICAL INSPECTION																
MR No.	Category	Description					Comply to MRs		Remarks							
							YES	NO								
1	Site selection located away from	Geological fault or Ruptured Area					<input type="checkbox"/>	<input type="checkbox"/>								
		Steep Slope > 20°					<input type="checkbox"/>	<input type="checkbox"/>								
		Landslide susceptible Area					<input type="checkbox"/>	<input type="checkbox"/>								
		River bank and Water logged Area					<input type="checkbox"/>	<input type="checkbox"/>								
		Rock-fall Area					<input type="checkbox"/>	<input type="checkbox"/>								
		Liquefaction susceptible Area					<input type="checkbox"/>	<input type="checkbox"/>								
2	Shape of House	No. of storey		RC band	Not more than one plus habitable attic		<input type="checkbox"/>	<input type="checkbox"/>								
				Timber band	Not more than one storey.		<input type="checkbox"/>	<input type="checkbox"/>								
		Span of Wall		Not more than 12 times thickness of wall and not more than 4.5m (14'9")					<input type="checkbox"/>	<input type="checkbox"/>						
		Size of room		Not more than 13.5sq.m (145'4"sq.ft)					<input type="checkbox"/>	<input type="checkbox"/>						
		Proportion		Simple and regular shape as square and rectangular					<input type="checkbox"/>	<input type="checkbox"/>						
				The length is not more than 3 times of its width					<input type="checkbox"/>	<input type="checkbox"/>						
3	Materials	Brick		Not using over-burnt, under-burnt and deformed bricks					<input type="checkbox"/>	<input type="checkbox"/>						
		Mortar		Mud mortar		Free from organic materials, pebbles, hard materials.			<input type="checkbox"/>	<input type="checkbox"/>						
				Cement mortar		Strength is less than 1 cement : 6 sand mixture			<input type="checkbox"/>	<input type="checkbox"/>						
		Concrete		M15 grade (1 cement: 2 sand: 4 aggregate)					<input type="checkbox"/>	<input type="checkbox"/>						
		Rebar		fy = 415 Mpa /500 Mpa					<input type="checkbox"/>	<input type="checkbox"/>						
Timber		Hard wood					<input type="checkbox"/>	<input type="checkbox"/>								
4	Foundation	Continuous strip footing					<input type="checkbox"/>	<input type="checkbox"/>								
		Depth below GL	750mm(2'6") for one storey					<input type="checkbox"/>	<input type="checkbox"/>							
		Base Width	Soft≥750mm(2'8"),Medium≥650mm(2'6"),Hard≥550mm(2'6")					<input type="checkbox"/>	<input type="checkbox"/>							
5	Vertical member	Started right from the foundation					<input type="checkbox"/>	<input type="checkbox"/>								
		Reinforcement		Rc		Timber			<input type="checkbox"/>	<input type="checkbox"/>						
				Placed at all corners, junctions of walls and openings		Hard wood. One member of 75mm(3") x 100mm(4") for corner. Two member of 75mm(3") x 100mm(4") for openings			<input type="checkbox"/>	<input type="checkbox"/>						
Anchorage		60 times diameter of reinforcement			-		<input type="checkbox"/>	<input type="checkbox"/>								
6	Plinth	Height from GL	Not less than 300mm(1') from GL					<input type="checkbox"/>	<input type="checkbox"/>							

		Thickness	150mm(6") for medium and soft soil. 75mm(3") for hard soi	<input type="checkbox"/>	<input type="checkbox"/>			
		Width	Not less than wall thickness/350mm	<input type="checkbox"/>	<input type="checkbox"/>			
		Reinforcement	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">RC band</td> <td style="width: 50%; text-align: center;">Timber band</td> </tr> <tr> <td>Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height Stirrups: 6mm dia. at 150mm(6"), Concrete cover of 25mm(1")</td> <td>Main member : 2-75mmx38mm connected with batten 50mmX38mm@500c/c</td> </tr> </table>	RC band	Timber band	Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height Stirrups: 6mm dia. at 150mm(6"), Concrete cover of 25mm(1")	Main member : 2-75mmx38mm connected with batten 50mmX38mm@500c/c	<input type="checkbox"/>
RC band	Timber band							
Main: 4-12dia for 150mm(6"), 2-12dia for 75mm(3") height Stirrups: 6mm dia. at 150mm(6"), Concrete cover of 25mm(1")	Main member : 2-75mmx38mm connected with batten 50mmX38mm@500c/c							

m) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

n) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

o) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

10. At least four number of photographs with their number
2. Tentative drawings of building:



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Second Inspection of BMM

INSPECTION SHEET OF BRICK MASONRY WITH MUD MORTAR FOR SECOND INSPECTION									
Information of House Owner/Beneficiary					Date of Inspection				
Name:					D D - M M - Y Y Y Y				
Address:					Grand Agreement No.				
District		VDC/Municipality		ward		tole		Land plot No	
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE									
If use fix design from design catalogue,					Design No.		BMM-1.1		
If free design by house owner					Technique and Construction material		1.1		
Fill construction typology from P.A form					Construction of roof and materials		2.1		
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization		<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()			
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type		<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft			
SECTION- II: DETAILED TECHNICAL INSPECTION									
MR No.	Category	Description			Comply to MRs		Remarks		
					YES	NO			
2	Shape of House	No. of storey	RC band	Not more than one plus habitable attic	<input type="checkbox"/>	<input type="checkbox"/>			
			Timber band	Not more than one storey.					
		Span of Wall	Not more than 12 times thickness of wall and not more than 4.5m (14'9")		<input type="checkbox"/>	<input type="checkbox"/>			
		Size of room	Not more than 13.5sq.m (145'4"sq.ft)		<input type="checkbox"/>	<input type="checkbox"/>			
		Height of wall	Not be more than 3.0m (9'10").		<input type="checkbox"/>	<input type="checkbox"/>			
Height of attic	Floor to ridge: Not more than 1.8m (5'11") Floor to Eave :Not more than 1.0m(3'10")		<input type="checkbox"/>	<input type="checkbox"/>					
3	Materials	Brick	Not using over-burnt, under-burnt and deformed brick		<input type="checkbox"/>	<input type="checkbox"/>			
			Mortar	Mud mortar	Free from organic materials, pebbles, hard materials.	<input type="checkbox"/>		<input type="checkbox"/>	
		Cement mortar		Strength is less than 1 cement : 6 sand mixture		<input type="checkbox"/>		<input type="checkbox"/>	
		Concrete	M15grade (1 cement : 2 sand : 4 aggregate)		<input type="checkbox"/>	<input type="checkbox"/>			
		Rebar	fy = 415 Mpa /500 Mpa		<input type="checkbox"/>	<input type="checkbox"/>			
Timber	Hard wood		<input type="checkbox"/>	<input type="checkbox"/>					
5	Vertical member	Reinforcement	Rc	Timber	<input type="checkbox"/>	<input type="checkbox"/>			
			Placed at all corners, junctions of walls and openings	Hard wood .One member of 75mm (3") x 100mm (4") for corner. Two member of 75mm(3") x 100mm(4") for openings					
		Anchorage	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>			
7	Walls	layering	Interlocked at corner and junction. Avoid vertical joint and staggered.		<input type="checkbox"/>	<input type="checkbox"/>			
		Thickness	Not less than 35mm(1'2")		<input type="checkbox"/>	<input type="checkbox"/>			
		Mortar Joint	Not more than 20mm(0.8") and less than 10mm (0.4")		<input type="checkbox"/>	<input type="checkbox"/>			
		Buttresses	Provided when the wall length is longer than above mentioned.		<input type="checkbox"/>	<input type="checkbox"/>			
		Gable wall	Using light material		<input type="checkbox"/>	<input type="checkbox"/>			
8	Doors / windows	Location	Away from corner at least 600 mm(2')		<input type="checkbox"/>	<input type="checkbox"/>			
		Total length	Not less than 30% of the wall length		<input type="checkbox"/>	<input type="checkbox"/>			
		Distance	Not less than 600 mm(2')		<input type="checkbox"/>	<input type="checkbox"/>			
9	Horizontal band	Sill band	RC	Timber	<input type="checkbox"/>	<input type="checkbox"/>			
			Continuous band through all walls Not less than 75mm (3") thick.	Main member, 2-75mmx38mm properly connected with batten, 50mmx38mm @ 500c/c.					
		Lintel band	Not less than 75mm (3") thick, if opening width<1.0m(3'3") and masonry height above opening 0.9m. Not less than 150mm(6") thick ,if opening width<1.5m and masonry height above opening 1.2m(4')		<input type="checkbox"/>	<input type="checkbox"/>			

	stitch	At corners and junctions, length>1.2m(4') Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
	Roof band	Continuous band through all walls. Not less than 75mm(3") thick		<input type="checkbox"/>	<input type="checkbox"/>	
	reinforcement	Main: 4-12 dia for 150mm (6"), 2-12 dia for 75mm(3") height Stirrups: 6mm dia.@ 150mm (6")c/c, Concrete cover of 25mm (1")		<input type="checkbox"/>	<input type="checkbox"/>	
	overlap	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>	

p) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

q) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

r) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

11. At least four number of photographs with their number
12. Tentative drawings of building



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Final Inspection of BMM

INSPECTION SHEET OF Brick MASONRY WITH MUD MORTAR FOR FINAL INSPECTION						
Information of House Owner/Beneficiary				Date of Inspection		D D - M M - Y Y Y Y
Name:		Grand Agreement No.				
Address:		District		VDC/Municipality		Land plot No
		ward		tole		
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE						
If use fix design from design catalogue,			Design No.		BMM-1.1	
If free design by house owner			Technique and Construction material		1.1	
Fill construction typology from P.A form			Construction of roof and materials		2.1	
SECTION- II: DETAILED TECHNICAL INSPECTION						
MR No	Category	Description		Comply to MRs		Remarks
				YES	NO	
7	Walls	Gable wall	Using light material	<input type="checkbox"/>	<input type="checkbox"/>	
10	Roof	Material	Use light roof	<input type="checkbox"/>	<input type="checkbox"/>	
		Connection	All member connected properly	<input type="checkbox"/>	<input type="checkbox"/>	
		Bracing	For flexible diaphragm, Diagonal bracing shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	

g) After the detail description of the constructed house, is it satisfactory to give certification of construction completion.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-X, if not please order for correction based on Annex-X

s) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

t) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

13. At least four number of photographs with their number



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

First Inspection of BMC

INSPECTION SHEET OF BRICK MASONRY WITH CEMENT MORTAR FOR FIRST INSPECTION						
Information of House Owner/Beneficiary			Date of Inspection			
Name:			Grand Agreement No.			
Address:						
District		VDC/Municipality		Land plot No.		
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE						
If use fix design from design catalogue,			Design No.			
If free design by house owner			Technique and Construction material			
Fill construction typology from P.A form			Construction of roof and materials			
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization <input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()		
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type <input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft		
SECTION- II: DETAILED TECHNICAL INSPECTION						
MR No.	Category	Description	Comply to MRs		Remarks	
			YES	NO		
1	Site selection located away from	Geological fault or Ruptured Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Steep Slope > 20°	<input type="checkbox"/>	<input type="checkbox"/>		
		Landslide susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>		
		River bank and Water logged Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Rock-fall Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Liquefaction susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Filled Area	<input type="checkbox"/>	<input type="checkbox"/>		
2	Shape of House	No. of storey	Not more than two plus attic	<input type="checkbox"/>	<input type="checkbox"/>	
		Span of Wall	Not more than 4.5m (14'9")	<input type="checkbox"/>	<input type="checkbox"/>	
		Size of room	Not more than 13.5sq.m (145' 4"sq.ft.)	<input type="checkbox"/>	<input type="checkbox"/>	
		Proportion	Simple and regular shape as square and rectangular	<input type="checkbox"/>	<input type="checkbox"/>	
			The length is not more than 3 times of its width	<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Brick	Over burnt, under burnt and deformed brick shall not be used.	<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	Strength more than 1 cement : 6 sand mixture	<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M20grade (1cement: 1.5sand: 3aggregate)	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa	<input type="checkbox"/>	<input type="checkbox"/>	
		Timber	Hard wood	<input type="checkbox"/>	<input type="checkbox"/>	
4	Foundation	Continuous strip footing		<input type="checkbox"/>	<input type="checkbox"/>	
		Depth below GL	800mm (2'8") for one storey, 900mm (3') for two storey	<input type="checkbox"/>	<input type="checkbox"/>	
		Base Width	1 storey	Soft:>650mm (2'2"), Medium:>550mm (1'10"), Hard:>550mm (1'10")	<input type="checkbox"/>	<input type="checkbox"/>
2 storey	Soft:>900mm (3') , Medium:>650mm (2'2"), Hard:>550mm (1'10")					
5	Vertical member	Started right from the foundation		<input type="checkbox"/>	<input type="checkbox"/>	
		Placed at all corners, junctions of walls and openings		<input type="checkbox"/>	<input type="checkbox"/>	
		Reinforcement	12mm for one storey, 16mm for two storey	<input type="checkbox"/>	<input type="checkbox"/>	
		Anchorage	60 times diameter of reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	
6	Plinth	Height from GL	Not less than 300mm(1') from GL	<input type="checkbox"/>	<input type="checkbox"/>	
		Thickness	150mm (6") for medium and soft soil. 75mm(3") for hard soil	<input type="checkbox"/>	<input type="checkbox"/>	
		Width	Not less than wall thickness/230mm (9") for one	<input type="checkbox"/>	<input type="checkbox"/>	

			storey /350mm (1'2") for two storey			
		Reinforcement	Main: 4-12 dia for 150mm (6") , 2-12 dia for 75mm (3") thick Stirrups: 6mm dia. at 150mm, Concrete cover of 25mm	<input type="checkbox"/>	<input type="checkbox"/>	

u) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

v) If found unsatisfactory, what are the things that need to be improve:

- 1.....
- 2.....
- 3.....
- 4.....

w) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

14. At least four number of photographs with their number

2. Tentative drawings of building:



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Second Inspection of BMC

INSPECTION SHEET OF BRICK MASONRY WITH CEMENT MORTAR FOR SECOND INSPECTION							
Information of House Owner/Beneficiary				Date of Inspection		DD - MM - YYYY	
Name:				Grand Agreement No			
Address:				District		VDC/Municipality	
				ward		tole	
						Land plot No	
SECTION-I: DESCRIPTION PROVIDED IN THE APPLICATION TO SURVEY THE HOUSE							
If use fix design from design catalogue,				Design No.		BMC-1.1	
If free design by house owner				Technique and Construction material		1.1	
Fill construction typology from P.A form				Construction of roof and materials		2.1	
Technical Assistant		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Organization		<input type="checkbox"/> GoN, <input type="checkbox"/> NGO ()	
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type		<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft	
SECTION- II: DETAILED TECHNICAL INSPECTION							
MR No	Category	Description		Comply to MRs		Remarks	
				YES	NO		
2	Shape of House	No. of storey	Not more than two plus attic		<input type="checkbox"/>	<input type="checkbox"/>	
		Span of wall	Not more than 4.5m (14'9")		<input type="checkbox"/>	<input type="checkbox"/>	
		Size of room	Not more than 13.5 sq.m. (145'4" sq.ft.)		<input type="checkbox"/>	<input type="checkbox"/>	
		Height of wall	Floor height shall not be more than 3.0m (9'10")		<input type="checkbox"/>	<input type="checkbox"/>	
		Height of Attic	Floor to ridge: Not more than 1.8m (6'), Floor to eave : Not more than 1.0m(3'3")		<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Brick	Not using over-burnt, under-burnt and deformed brick		<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	Strength is not less than 1 cement : 6 sand mixture		<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M20grade (1cement: 1.5sand: 3aggregate)		<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa		<input type="checkbox"/>	<input type="checkbox"/>	
		Timber	Hard wood		<input type="checkbox"/>	<input type="checkbox"/>	
5	Vertical member	Placed at all corners, junctions of walls and openings		<input type="checkbox"/>	<input type="checkbox"/>		
		Reinforcement	12mm for one storey, 16mm for two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement		<input type="checkbox"/>	<input type="checkbox"/>	
7	Walls	layering	Interlocked at corner and junction. Avoid vertical joint and staggered.		<input type="checkbox"/>	<input type="checkbox"/>	
		Thickness	Not less than 230mm (9") for one storey and 350mm(1'2") and 230mm(9") for ground floor and first floor of two storey respectively.		<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar Joints	Not more than 20mm and less than 10mm		<input type="checkbox"/>	<input type="checkbox"/>	
		Buttresses	Provided for the longer wall.		<input type="checkbox"/>	<input type="checkbox"/>	
		Gable wall	Lightweight materials		<input type="checkbox"/>	<input type="checkbox"/>	
8	Doors / windows	Location	Away from inside corner at least 600mm(2')		<input type="checkbox"/>	<input type="checkbox"/>	
		Total length	Not less than 50% and 42% of the walls length for single and two storey		<input type="checkbox"/>	<input type="checkbox"/>	
		Distance	Not less than 600mm (2')		<input type="checkbox"/>	<input type="checkbox"/>	
9	Horizontal band	Sill band	Continuous band through all walls Not less than 75mm (3")		<input type="checkbox"/>	<input type="checkbox"/>	
		Lintel band	Continuous band through all walls Not less than 75mm (3"), if opening width<1.25m (4'1") and masonry height above opening 0.9m (3') Not less than 150mm (6"), if opening width>1.25m (4'1") and masonry above opening upto 1.2m (4')		<input type="checkbox"/>	<input type="checkbox"/>	
		Stitch band	At corner and junction, not less than 75mm (3"), length<1.2m(4')		<input type="checkbox"/>	<input type="checkbox"/>	
		Roof band	Continuous bands through all walls, Not less than 75mm (3")		<input type="checkbox"/>	<input type="checkbox"/>	

		Reinforcement	Main: 4-12mm dia for 150mm (6"), 2-12mm dia for 75mm (3"), stirrups:6mm dia @150mm (6")c/c Concrete cover of 25mm (1")	<input type="checkbox"/>	<input type="checkbox"/>	
		Overlap	60 times diameter of reinforcement.	<input type="checkbox"/>	<input type="checkbox"/>	

x) After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

If it is satisfactory, then please provide Inspection certificate based on annex-2 , if not please order for correction based on Annex-4

y) If found unsatisfactory, what are the things that need to be improve:

1.....

2.....

3.....

4.....

z) Acceptation of Description provided after technical supervision:

House owner/Beneficiaries or representative name:..... Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

Others:

15. At least four number of photographs with their number

16. Tentative drawings of building



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

First Inspection of RCC Buildings (Category-C)

Inspection sheet						
RCC Buildings FOR FIRST INSPECTION						
Name:		Date of Inspection				
Address:		Grant Agreement No.				
District		VDC/Municipality		ward		
		tole		Land plot No		
If use fix design from design catalogue,				Design No.		
If free design by house owner				Technique and Construction material		
Fill construction typology from P.A form				Construction of roof and materials		
Technical Assistant		Organization		Organization <input type="checkbox"/> GoN, <input type="checkbox"/> NGO (
Trained Masons used		<input type="checkbox"/> YES, <input type="checkbox"/> NO		Soil type <input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft		
MR No	Category	Description	Comply to MRs		Remarks	
			YES	NO		
1	Site selection located away from	Geological fault or Ruptured Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Steep Slope > 20°	<input type="checkbox"/>	<input type="checkbox"/>		
		Landslide susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>		
		River bank and Water logged Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Rock-fall Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Liquefaction susceptible Area	<input type="checkbox"/>	<input type="checkbox"/>		
		Filled Area	<input type="checkbox"/>	<input type="checkbox"/>		
2	Shape of House	Storey	Limited up to 3 floor	<input type="checkbox"/>	<input type="checkbox"/>	
		bay	Two to six	<input type="checkbox"/>	<input type="checkbox"/>	
		Area	Less than 1000 sq ft and area in between 4 pillars 13.5 sq m only	<input type="checkbox"/>	<input type="checkbox"/>	
		Height	Less than 11m	<input type="checkbox"/>	<input type="checkbox"/>	
		Height of floor	Height of floor from 2.75m to 3.35m	<input type="checkbox"/>	<input type="checkbox"/>	
		Shape	Square or rectangular	<input type="checkbox"/>	<input type="checkbox"/>	
		Ratio	Length less than 3 times the breadth	<input type="checkbox"/>	<input type="checkbox"/>	
3	Materials	Mortar	1:5	<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M 20 Grade (1:1.5:3)	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa	<input type="checkbox"/>	<input type="checkbox"/>	

4	Foundation	Depth	At least 5 ft	<input type="checkbox"/>	<input type="checkbox"/>		
		Width of Foundation	Corner	Loose soil >2.2 m Soft soil > 1.5 m Medium Soil > 1.25m Hard Soil > 1.2m	<input type="checkbox"/>	<input type="checkbox"/>	
			Front	Loose soil >2.4 m Soft soil > 1.65 m Medium Soil > 1.4m Hard Soil > 1.1m			
			Mid	Loose soil >3 m Soft soil > 2.1 m Medium Soil > 1.7 m Hard Soil > 1.5 m			
		Rebar		<input type="checkbox"/>	<input type="checkbox"/>		
		Depth	400 mm in middle and 300mm in other sides.	<input type="checkbox"/>	<input type="checkbox"/>		
		Beam	Minimum 9"X9" and 4-12 revars	<input type="checkbox"/>	<input type="checkbox"/>		
5	Plinth beam	Height	At least 450 from GL	<input type="checkbox"/>	<input type="checkbox"/>		
		Size	9" X 9"	<input type="checkbox"/>	<input type="checkbox"/>		
		Rebar	4-12mm and 8 mm rods in 6 inches	<input type="checkbox"/>	<input type="checkbox"/>		
		Connection	Not 50 % overlap				
6	Pillar	The pillar should be aligned in one line		<input type="checkbox"/>	<input type="checkbox"/>		
		Size	12 " X 12 "	<input type="checkbox"/>	<input type="checkbox"/>		
		Rebar	Ground and first floor 4-16 + 4-12 mm and third floor 8-12mm	<input type="checkbox"/>	<input type="checkbox"/>		
		Ring	Edge and joints 4 inch and 6 inch in others , 8 mm	<input type="checkbox"/>	<input type="checkbox"/>		
		Joints	In the middle leaving 2 ft from edge and not more than 50 % and lap of 60 X dia.	<input type="checkbox"/>	<input type="checkbox"/>		

Others:

- a. At least four number of photographs with their number
- b. Tentative drawings of building:

- c. After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

it was passed through the inspection of the first inspection so the construction can move ahead and VDC/ Municipality it is certified for necessary procedures of disbursement of second tranche.

If was found to be corrected/retrofitted so correction order is given using Annex-6

d. Acceptation of Description provided agreeing that the technical details during inspection is correct:

House owner/Beneficiaries or representative name:.....Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

e. Submit for Approval of the technical inspection:.....

MOUD-DLPIU Supervisor:.....

Name..... Designation:.....

Signature..... Date.....

f. Approved by:

MOUD DLPIU Supervision Engineer.....

Designation:.....

Signature..... Date.....



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Second Inspection of RCC Buildings (Category-C)

Inspection sheet						
RCC Buildings FOR FIRST INSPECTION						
Name:		Date of Inspection				
Address:		Grant Agreement No.				
District	VDC/Municipality	ward	tole	Land plot No		
If use fix design from design catalogue,			Design No.			
If free design by house owner		Technique and Construction material				
Fill construction typology from P.A form		Construction of roof and materials				
Technical Assistant	Organization	Organization	<input type="checkbox"/> GoN, <input type="checkbox"/> NGO {			
Trained Masons used	<input type="checkbox"/> YES, <input type="checkbox"/> NO	Soil type	<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft			
MRNo	Category	Description		Comply to MRs		Remarks
				YES	NO	
1	Shape and size of Building	Storey bay	Limited up to 3 floor	<input type="checkbox"/>	<input type="checkbox"/>	
			Two to six	<input type="checkbox"/>	<input type="checkbox"/>	
		Area	Less than 1000 sq ft and area in between 4 pillars 13.5 sq m only	<input type="checkbox"/>	<input type="checkbox"/>	
			Height	Less than 11m	<input type="checkbox"/>	
		Height of floor	Height of floor from 2.75m to 3.35m	<input type="checkbox"/>	<input type="checkbox"/>	
		Shape	Square or rectangular	<input type="checkbox"/>	<input type="checkbox"/>	
Ratio	Length less than 3 times the breadth	<input type="checkbox"/>	<input type="checkbox"/>			
2	Materials	Mortar	1:6	<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	M 20 Grade (1:1.5:3)	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	fy = 415 Mpa /500 Mpa	<input type="checkbox"/>	<input type="checkbox"/>	
3	Pillar	The pillar should be aligned in one line		<input type="checkbox"/>	<input type="checkbox"/>	
		Short column		<input type="checkbox"/>	<input type="checkbox"/>	
		Size	12 " X 12 "	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	Ground and first floor 4-16 + 4-12 mm and third floor 8-12mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	Edge and joints 4 inch and 6 inch in others , 8 mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	In the middle leaving 2 ft from edge and not more than 50 % and lap of 60 X dia.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Beam	The joints of the beam should be positioned in the beam		<input type="checkbox"/>	<input type="checkbox"/>	
		Size	9' X14 " and less than size of pillar	<input type="checkbox"/>	<input type="checkbox"/>	

		Rebar		<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	Edge and joints 4 inch and 6 inch in others , 8 mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	Upper rod to be connected in middle and lower rod after leaving 2 feet from edge and lap of 60 dia.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Joint of beam and pillar	Size of beam should be less than pillar		<input type="checkbox"/>	<input type="checkbox"/>	
		Upper rod to be bent downwards and lower rod to be bent upwards lapping 60 dia		<input type="checkbox"/>	<input type="checkbox"/>	
		At least two rings in the joints		<input type="checkbox"/>	<input type="checkbox"/>	
6	Non structural wall	Should be constructed equally from two sides		<input type="checkbox"/>	<input type="checkbox"/>	
		Wall should be straight		<input type="checkbox"/>	<input type="checkbox"/>	
		Joints missed or not		<input type="checkbox"/>	<input type="checkbox"/>	
		Width	230 mm or 110 mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	10 mm to 20 mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Sill Band	Minimum depth 75 mm and 2-8mm rebars should be connected to pillar	<input type="checkbox"/>	<input type="checkbox"/>	
		Lintel Band	Minimum depth 75 mm and 2-8mm rebars should be connected to pillar	<input type="checkbox"/>	<input type="checkbox"/>	
7	Floor	Level	Floor should not be in different levels	<input type="checkbox"/>	<input type="checkbox"/>	
		Openings	Maximum 25 %	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	Minimum 125 mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	Minimum 8 mm rod 6 inch cc	<input type="checkbox"/>	<input type="checkbox"/>	
		Cover	Minimum 15mm	<input type="checkbox"/>	<input type="checkbox"/>	
		Overhang	1 m maximum from center of pillar	<input type="checkbox"/>	<input type="checkbox"/>	

Others:

- a. At least four number of photographs with their number
- b. Tentative drawings of building:

- c. After the detail description of the under constructed house, is it satisfactory to give permit for the further construction.

Yes , No

it was passed through the inspection so the construction can move ahead and VDC/ Municipality is certified for necessary procedures of disbursement of third tranche.

If was found to be corrected/retrofitted so correction order is given using Annex-6

d. Acceptation of Description provided agreeing that the technical details during inspection is correct:

House owner/Beneficiaries or representative name:.....Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

e. Submit for Approval of the technical inspection:.....

MOUD-DLPIU Supervisor:.....

Name..... Designation:.....

Signature..... Date.....

f. Approved by:

MOUD DLPIU Supervision Engineer.....

Designation:.....

Signature..... Date.....



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Final Inspection of RCC Buildings (Category-C)

Inspection Sheet					
Final Inspection of RCC (Category A and B) Buildings					
				Date of Inspection	
Name				Grant Agreement No.	
Address	District	VDC/Municipality	ward	tole	Land plot No
If use fix design from design catalogue,				Design No.	
If free design by house owner		Technique and Construction material			
Fill construction typology from P.A form		Construction of roof and materials			
Technical Assistance	<input type="checkbox"/> Yes <input type="checkbox"/> No	Organization	<input type="checkbox"/> GoN, <input type="checkbox"/> NGO (
Trained Masons Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	Soil Type	<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft		
MR no	Category	Description	According to building permit		Remarks
			Yes	5}g	
1	Shape and size of Building	No of storey	<input type="checkbox"/>	<input type="checkbox"/>	
		No of bays	<input type="checkbox"/>	<input type="checkbox"/>	
		Area	<input type="checkbox"/>	<input type="checkbox"/>	
		Total height	<input type="checkbox"/>	<input type="checkbox"/>	
		Height of floor	<input type="checkbox"/>	<input type="checkbox"/>	
		Shape	<input type="checkbox"/>	<input type="checkbox"/>	
		Length	<input type="checkbox"/>	<input type="checkbox"/>	
2	Materials	Breadth	<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	<input type="checkbox"/>	<input type="checkbox"/>	
3	Pillar	Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		In same line	<input type="checkbox"/>	<input type="checkbox"/>	
		Short column	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	<input type="checkbox"/>	<input type="checkbox"/>	
4	Beam	Joints	<input type="checkbox"/>	<input type="checkbox"/>	
		Position	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	<input type="checkbox"/>	<input type="checkbox"/>	

5	Joint of beam and pillar	Size of beam should be less than pillar	<input type="checkbox"/>	<input type="checkbox"/>	
		Joint	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	<input type="checkbox"/>	<input type="checkbox"/>	
6	Non structural wall	Position of wall	<input type="checkbox"/>	<input type="checkbox"/>	
		Wall straight or not	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints missed or not	<input type="checkbox"/>	<input type="checkbox"/>	
		Width	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	<input type="checkbox"/>	<input type="checkbox"/>	
		Sill Band	<input type="checkbox"/>	<input type="checkbox"/>	
		Lintel Band	<input type="checkbox"/>	<input type="checkbox"/>	
7	Floor	Level	<input type="checkbox"/>	<input type="checkbox"/>	
		Openings	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		Cover	<input type="checkbox"/>	<input type="checkbox"/>	
		Overhang	<input type="checkbox"/>	<input type="checkbox"/>	

Others:

- a) At least four number of photographs with their number
 b) Tentative drawings of building:

- c) After the detail description of the under constructed house, is it satisfactory to give completion certificate

Yes , No

It was passed through the inspection of the third inspection so the construction can be provided building completion certificate from VDC/Municipality.

If was found to be corrected/retrofitted so correction order is given using Annex-6

- d) Acceptation of Description provided agreeing that the technical details during inspection is correct:

House owner/Beneficiaries or representative name:.....Signature:.....

Relationship with house owner (In case of representative):.....Date:.....

- e) Submit for Approval of the technical inspection:.....

MOUD-DLPIU Supervisor:.....

Name..... Designation:.....

Signature..... Date.....

f) Approved by:

MOUD DLPIU Supervision Engineer.....

Designation:.....

Signature..... Date.....



Government of Nepal
Ministry of Urban Development
Central Level Project Implementation Unit

Final Inspection of RCC Buildings (Category-C)

Inspection Sheet					
Final Inspection of RCC (Category A and B) Buildings					
			Date of Inspection		
Name			Grant Agreement No.		
Address	District	VDC/Municipality	ward	tole	Land plot No
If use fix design from design catalogue,			Design No.		
If free design by house owner		Technique and Construction material			
Fill construction typology from P.A form		Construction of roof and materials			
Technical Assistance	<input type="checkbox"/> Yes <input type="checkbox"/> No	Organization	<input type="checkbox"/> GoN, <input type="checkbox"/> NGO (
Trained Masons Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	Soil Type	<input type="checkbox"/> Hard, <input type="checkbox"/> Medium, <input type="checkbox"/> Soft		
MR no	Category	Description	According to building permit		Remarks
			Yes	5}g	
1	Shape and size of Building	No of storey	<input type="checkbox"/>	<input type="checkbox"/>	
		No of bays	<input type="checkbox"/>	<input type="checkbox"/>	
		Area	<input type="checkbox"/>	<input type="checkbox"/>	
		Total height	<input type="checkbox"/>	<input type="checkbox"/>	
		Height of floor	<input type="checkbox"/>	<input type="checkbox"/>	
		Shape	<input type="checkbox"/>	<input type="checkbox"/>	
		Length	<input type="checkbox"/>	<input type="checkbox"/>	
2	Materials	Breadth	<input type="checkbox"/>	<input type="checkbox"/>	
		Mortar	<input type="checkbox"/>	<input type="checkbox"/>	
		Concrete	<input type="checkbox"/>	<input type="checkbox"/>	
3	Pillar	Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		In same line	<input type="checkbox"/>	<input type="checkbox"/>	
		Short column	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	<input type="checkbox"/>	<input type="checkbox"/>	
4	Beam	Joints	<input type="checkbox"/>	<input type="checkbox"/>	
		Position	<input type="checkbox"/>	<input type="checkbox"/>	
		Size	<input type="checkbox"/>	<input type="checkbox"/>	
		Rebar	<input type="checkbox"/>	<input type="checkbox"/>	
		Ring	<input type="checkbox"/>	<input type="checkbox"/>	
		Joints	<input type="checkbox"/>	<input type="checkbox"/>	

Appendix B. GIS Maps of Beneficiary Location

There may be errors in coordinates collected by TPIS-ERP and NRA and ward boundary data provided by HRRP which all be examined and collected by ERP consultants.

The all data is as of 23rd January, 2019.

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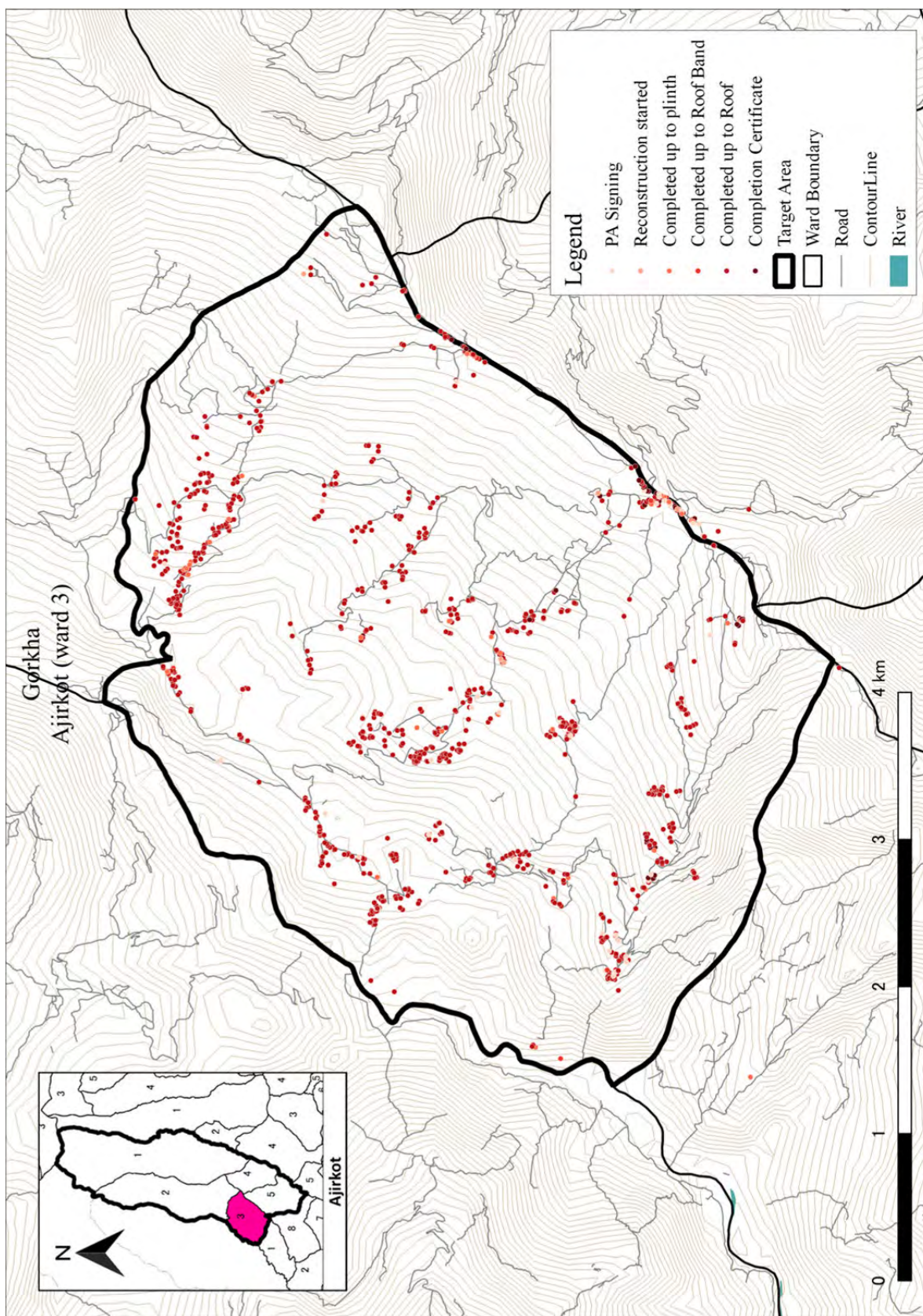


Figure B.1 Progress of Ajirkot (Ward 3), Gorkha

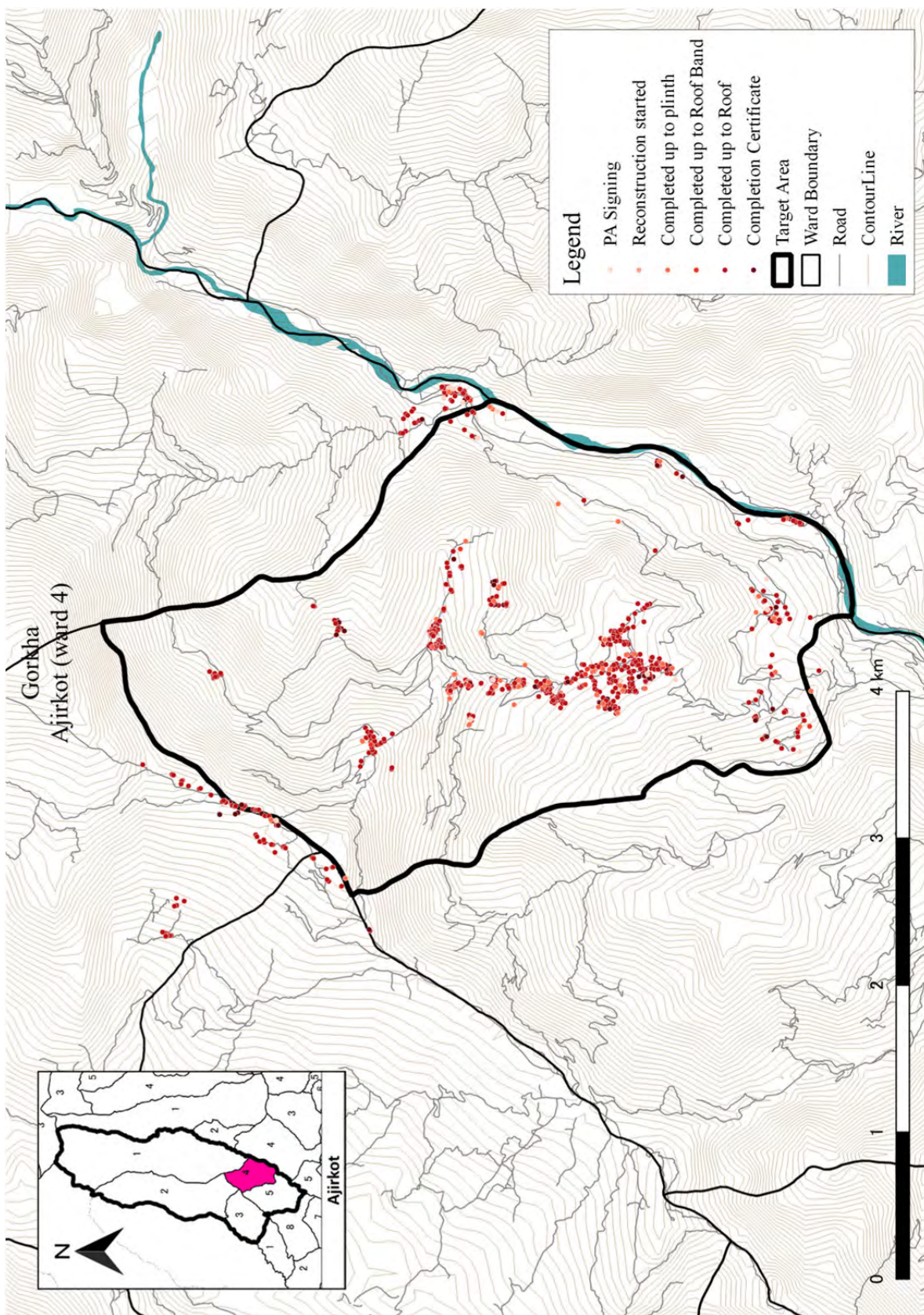


Figure B.2 Progress of January, 2019, Ajirkot (Ward 4), Gorkha

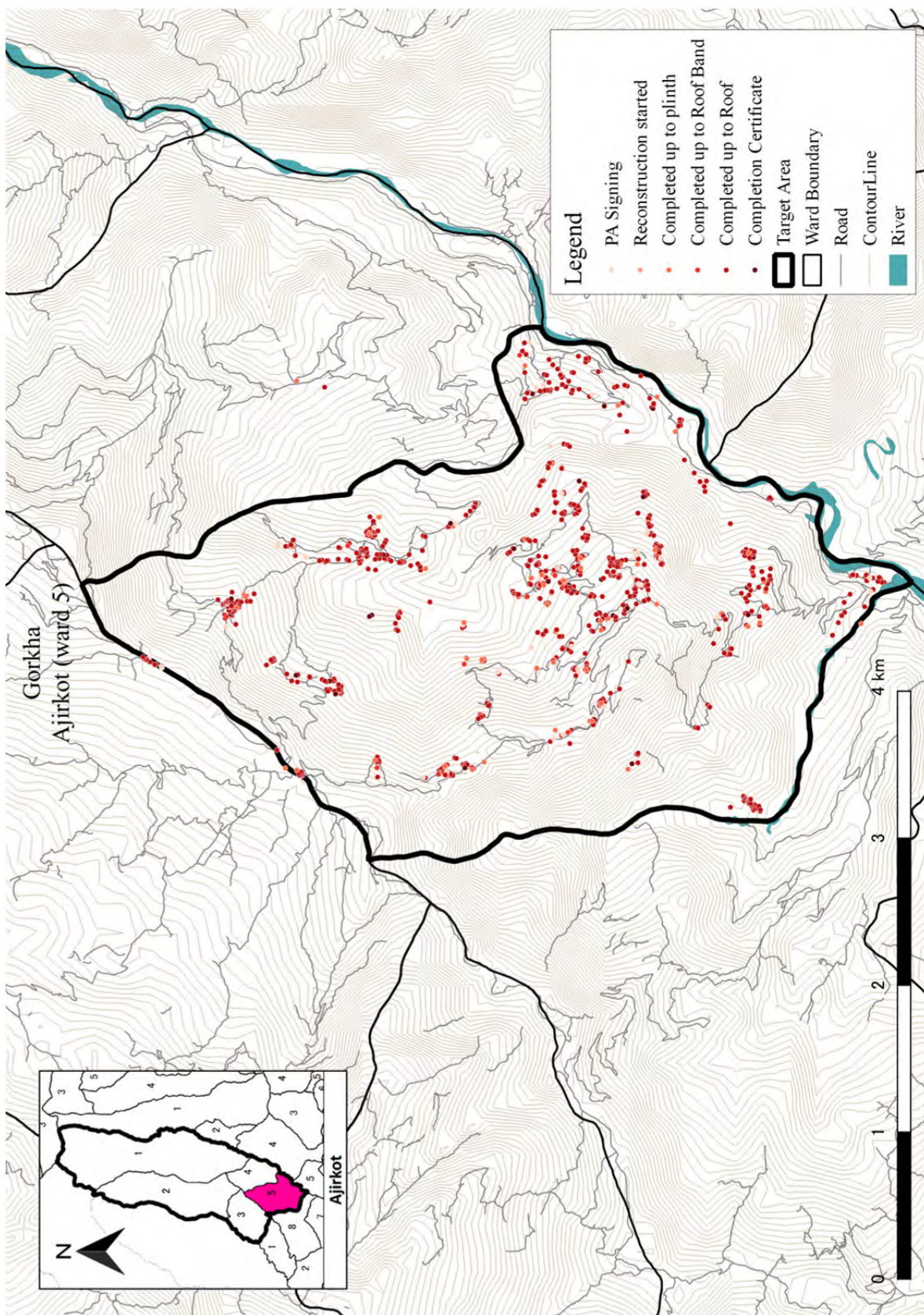


Figure B.3 Progress of Ajirkot (Ward 5), Gorkha

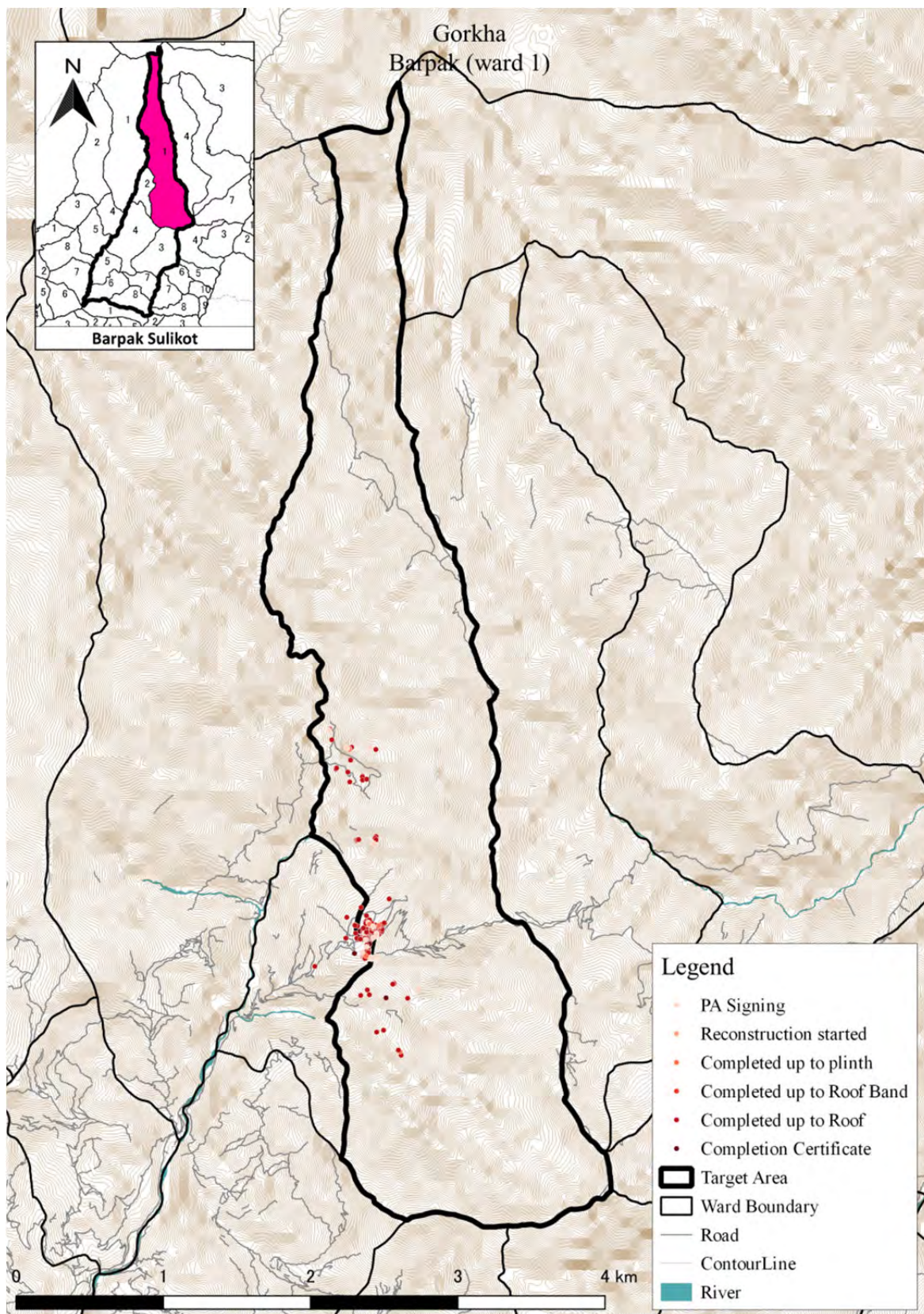


Figure B. 4 Progress of 2019, Barpak (Ward 1), Gorkha

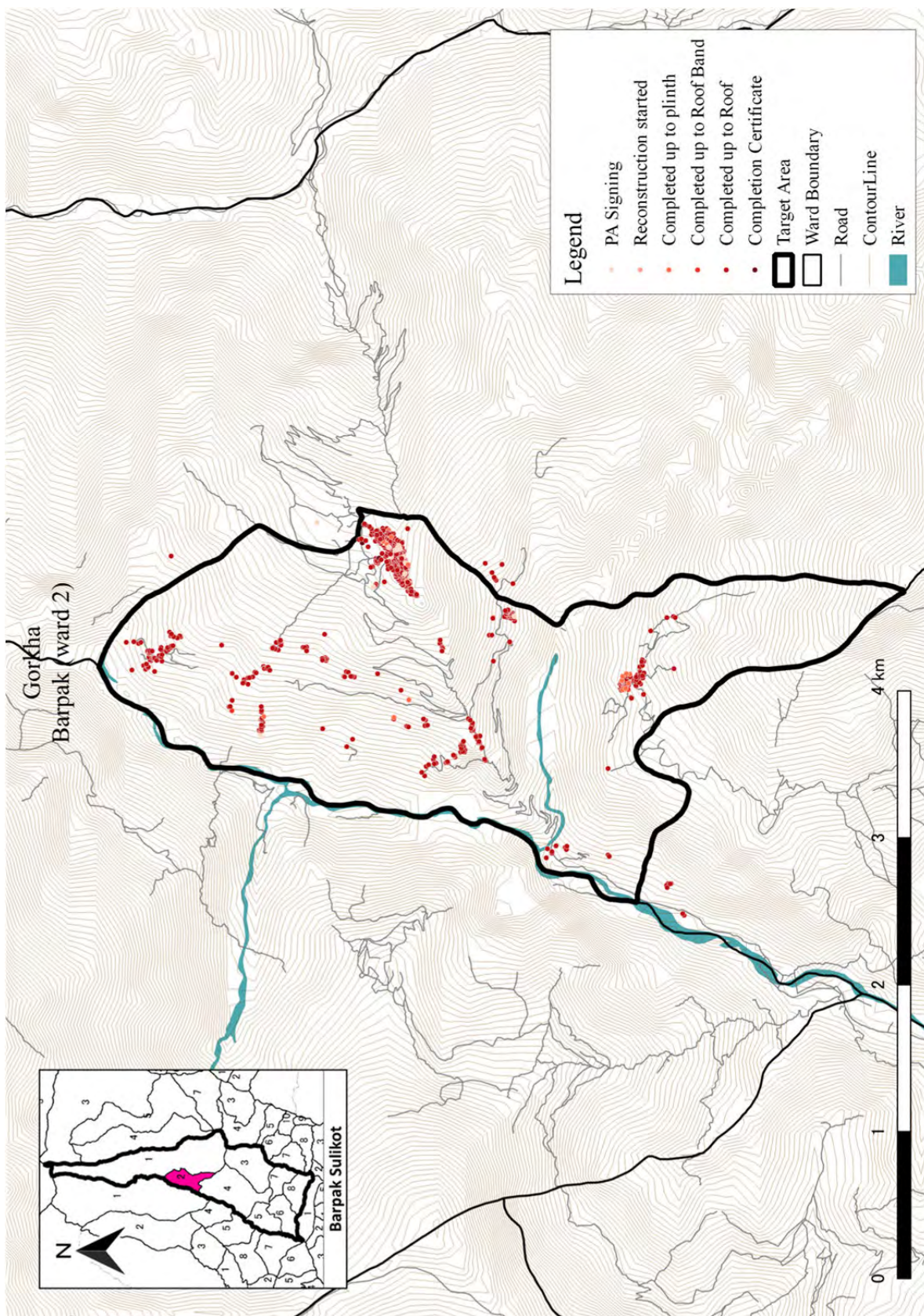


Figure B.5 Progress of Barpak (Ward 2), Gorkha

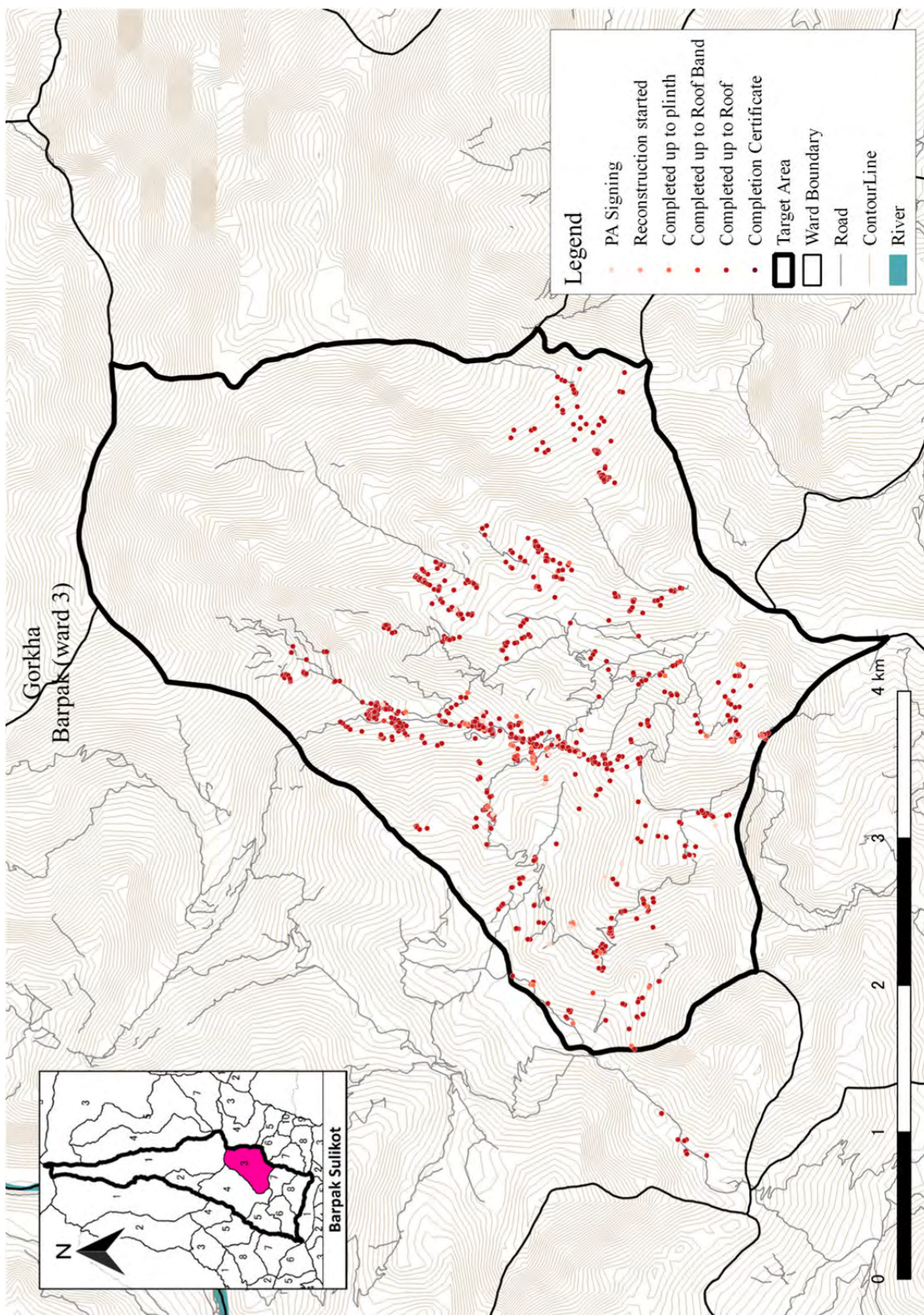


Figure B.6 Progress of Barpak (Ward 3), Gorkha

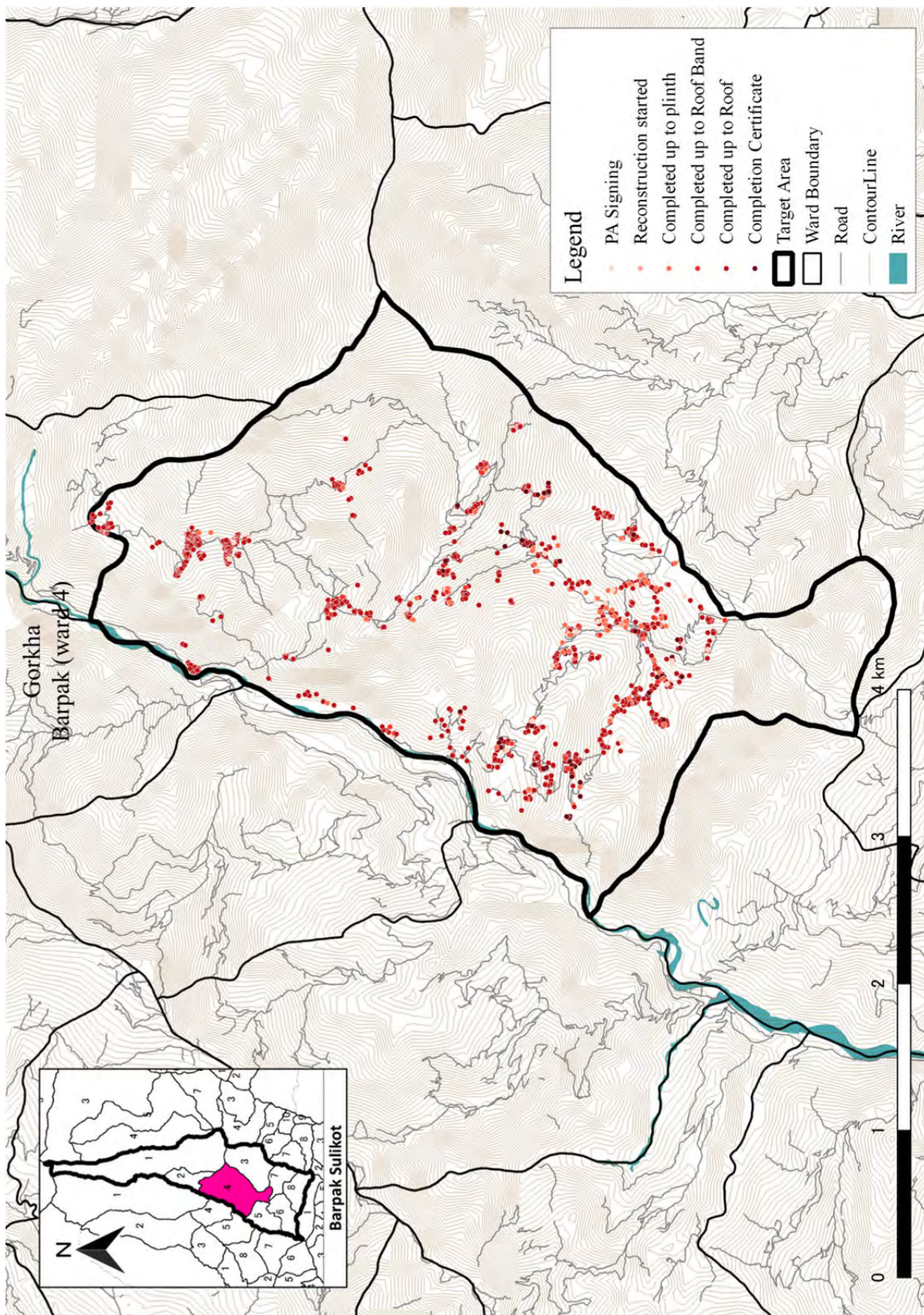


Figure B.7 Progress of Barpak (Ward 4), Gorkha

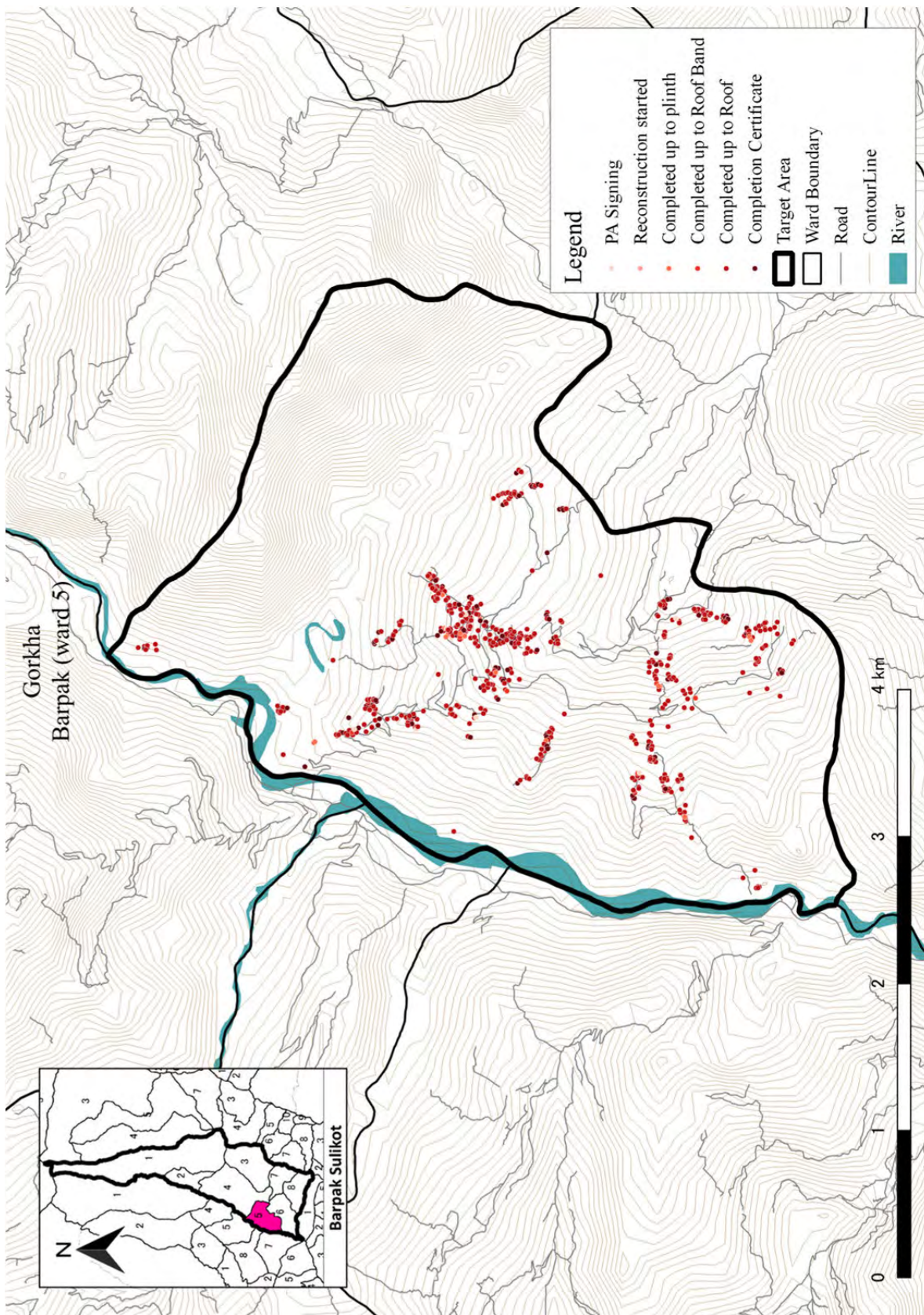


Figure B.8 Progress of Barpak (Ward 5), Gorkha

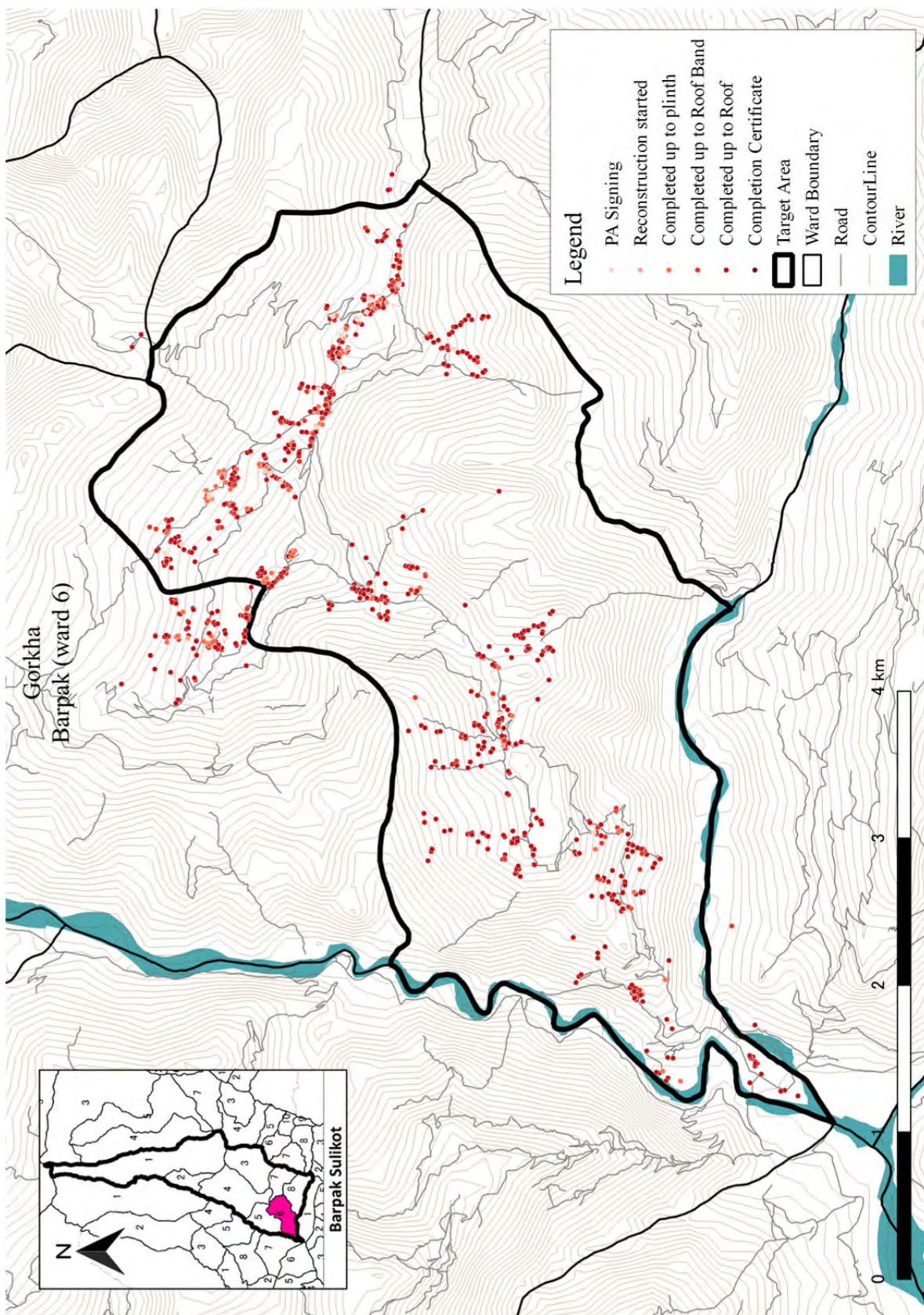


Figure B.9 Progress of Barpak (Ward 6), Gorkha

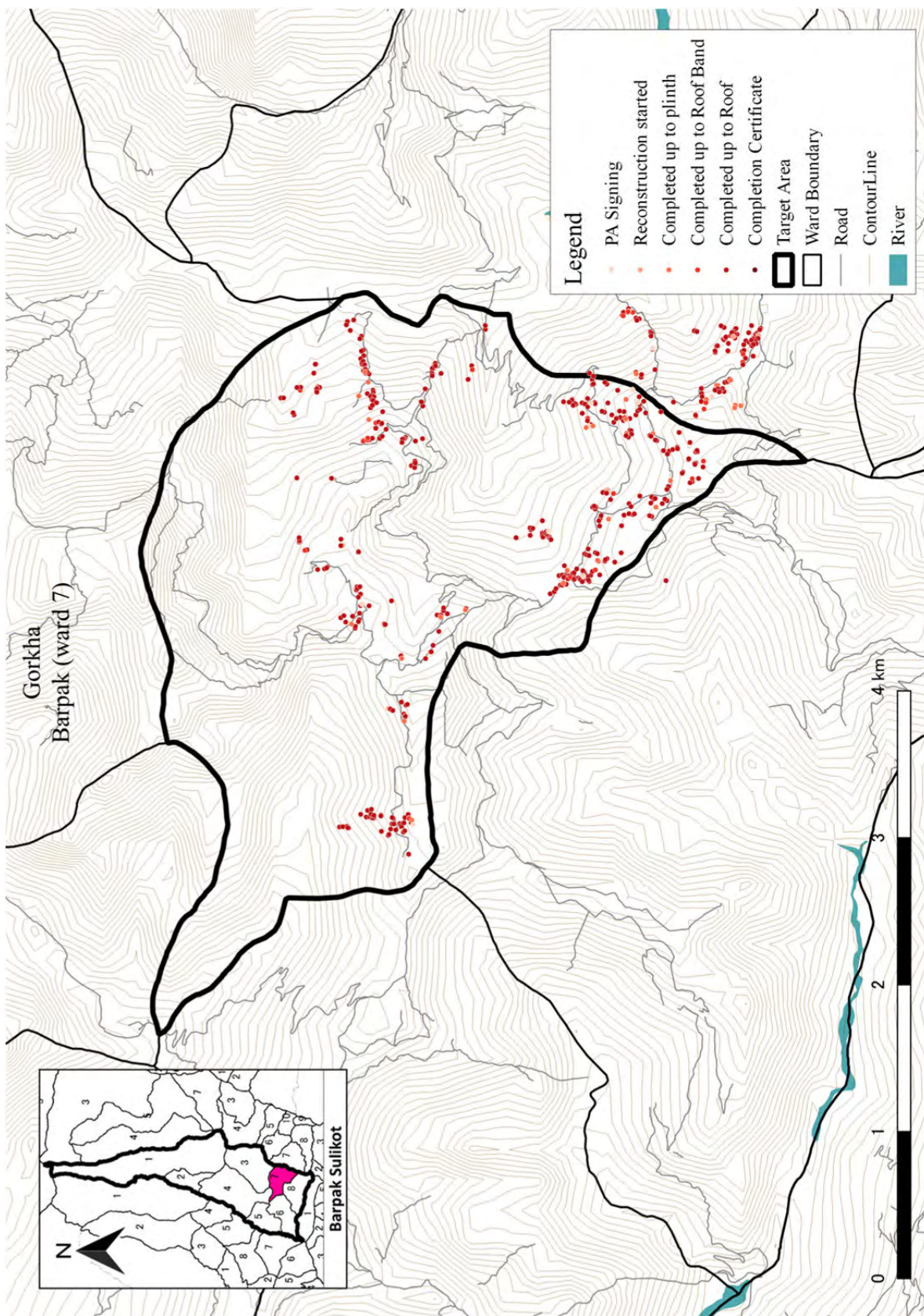


Figure B.10 Progress of Barpak (Ward 7), Gorkha

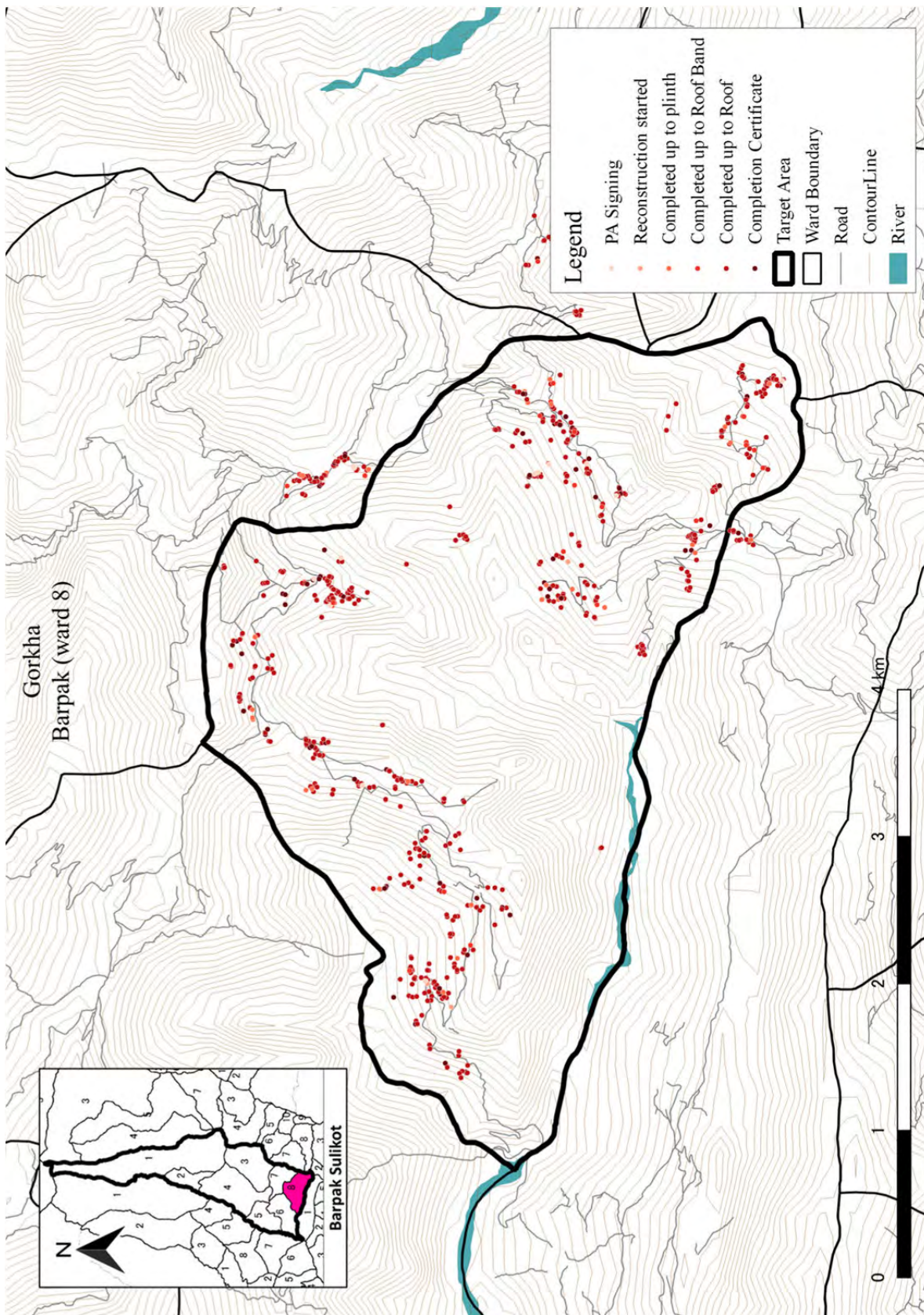


Figure B. 11 Progress of Barpak (Ward 8), Gorkha

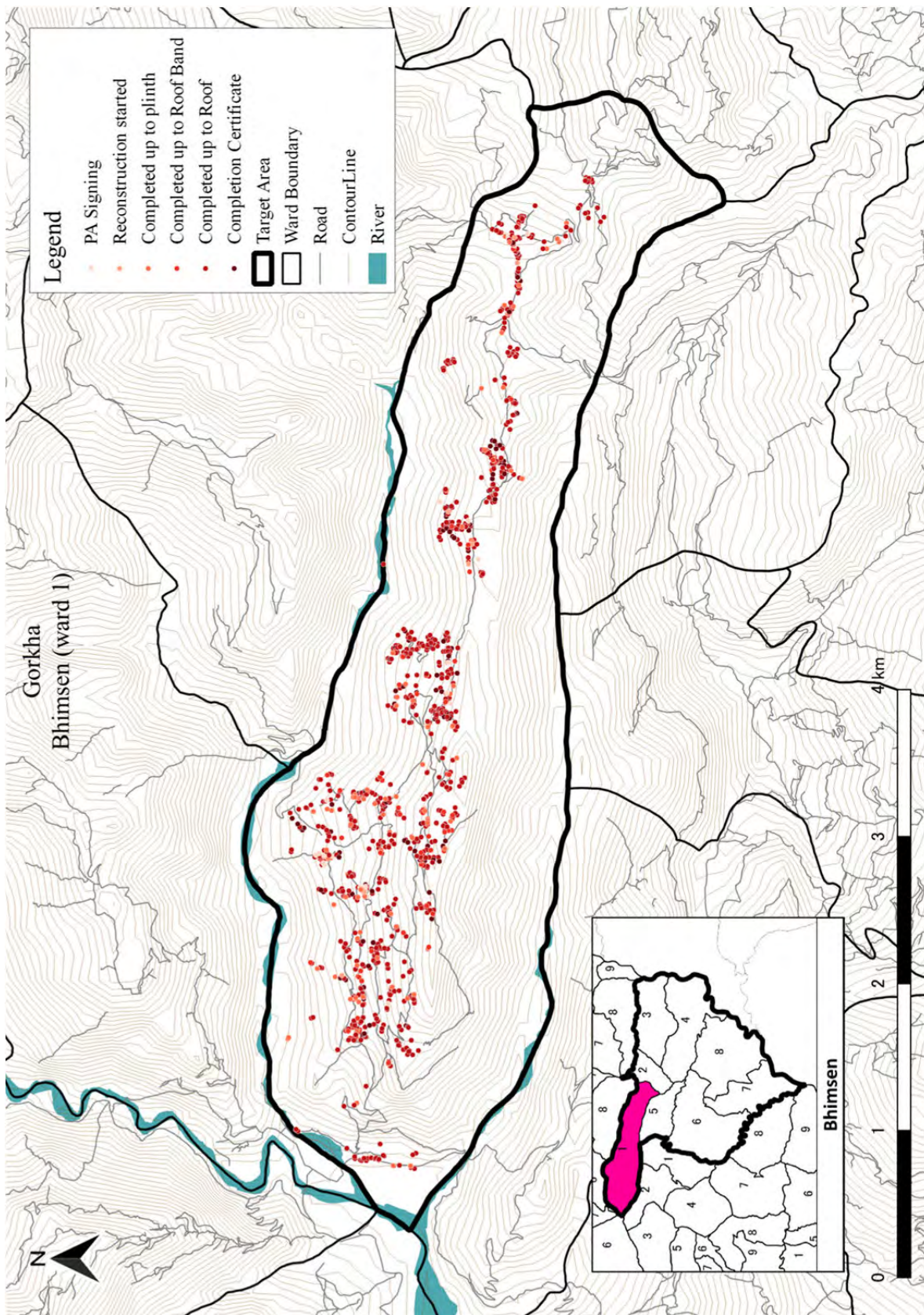


Figure B. 12 Progress of Bhimsen (Ward 1), Gorkha

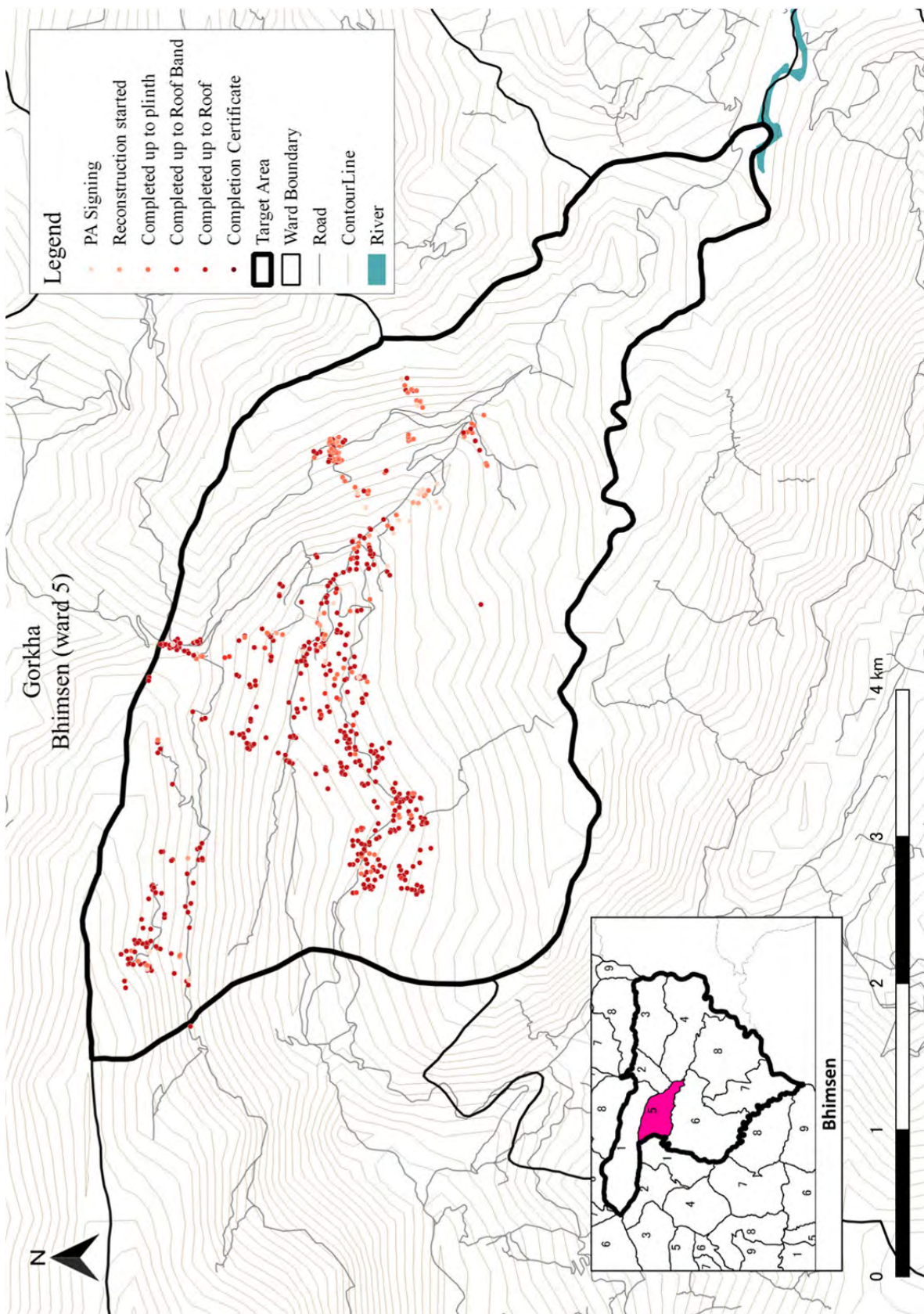


Figure B. 13 Progress of Bhimsen (Ward 5), Gorkha

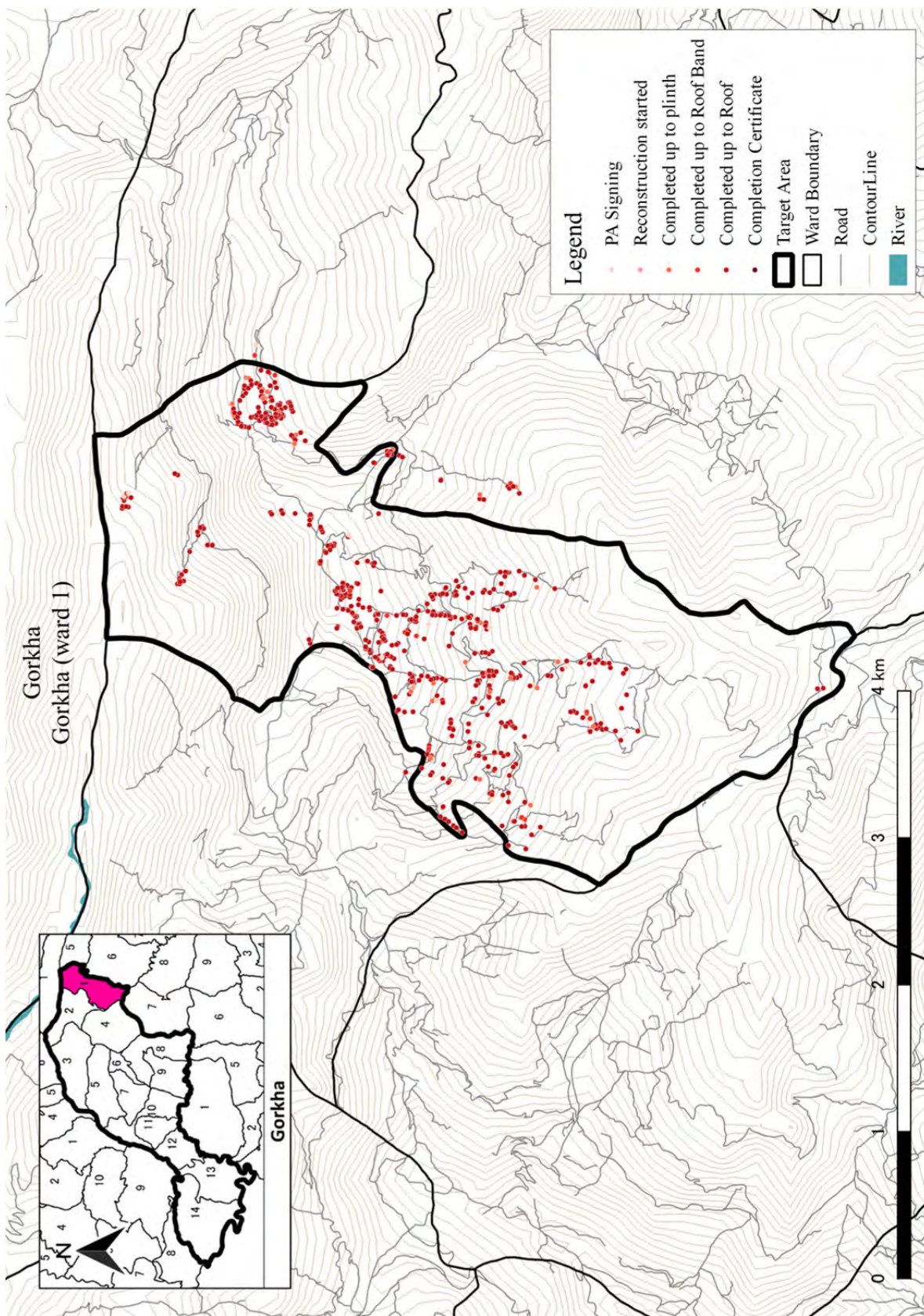


Figure B. 14 Progress of Gorkha (Ward 1), Gorkha

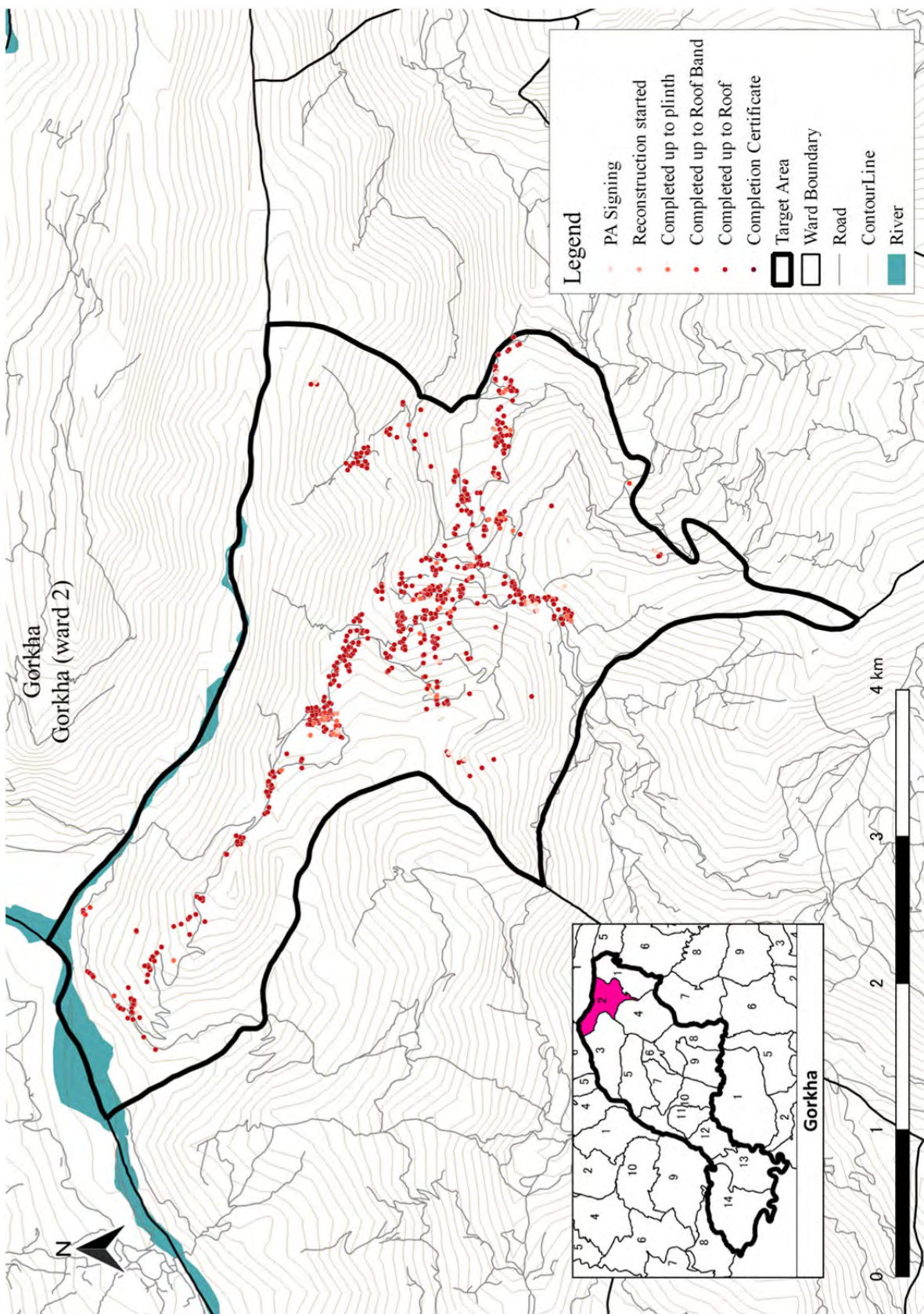


Figure B. 15 Progress of Gorkha (Ward 2), Gorkha

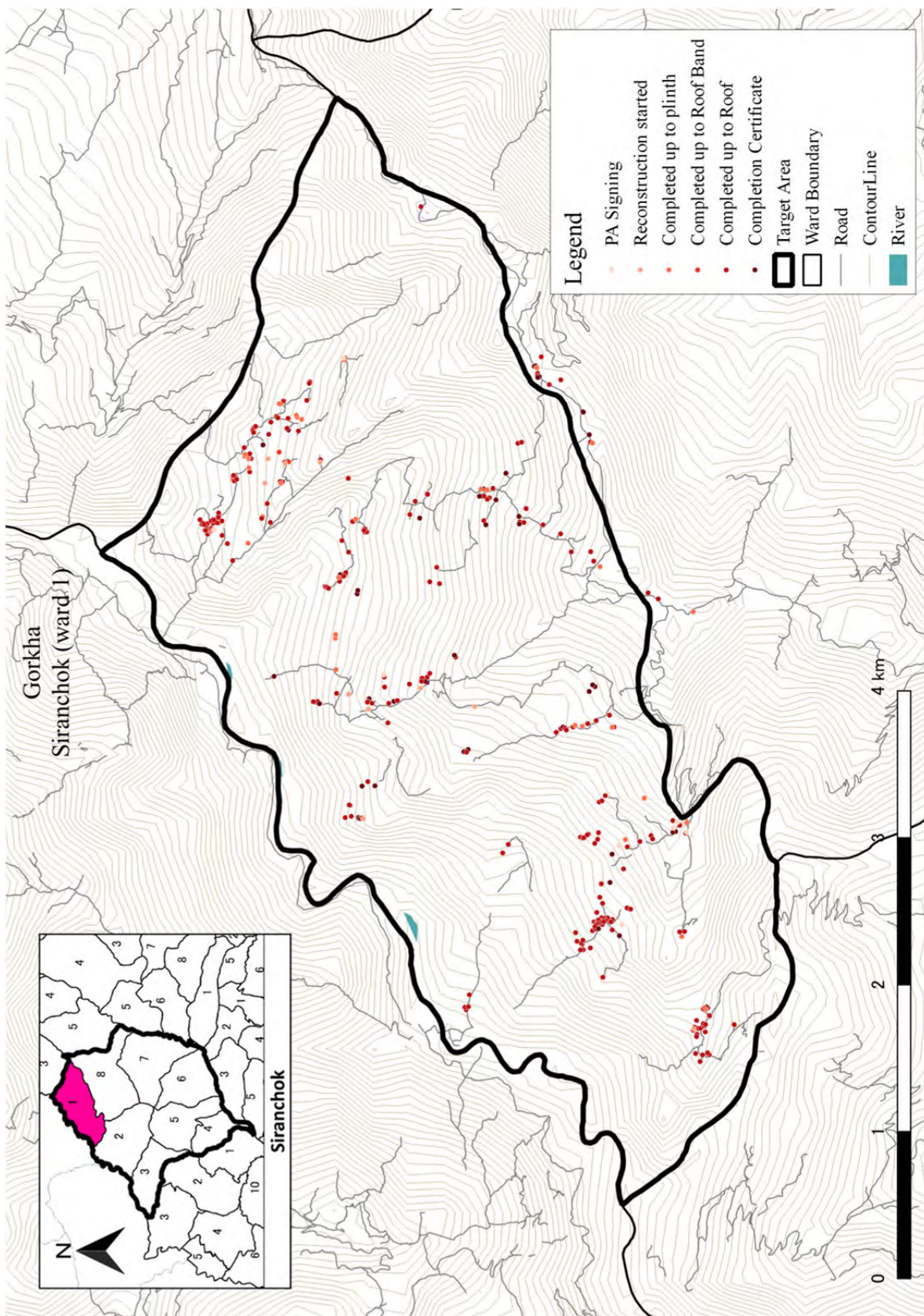


Figure B. 16 Progress of Siranchok (Ward 1), Gorkha

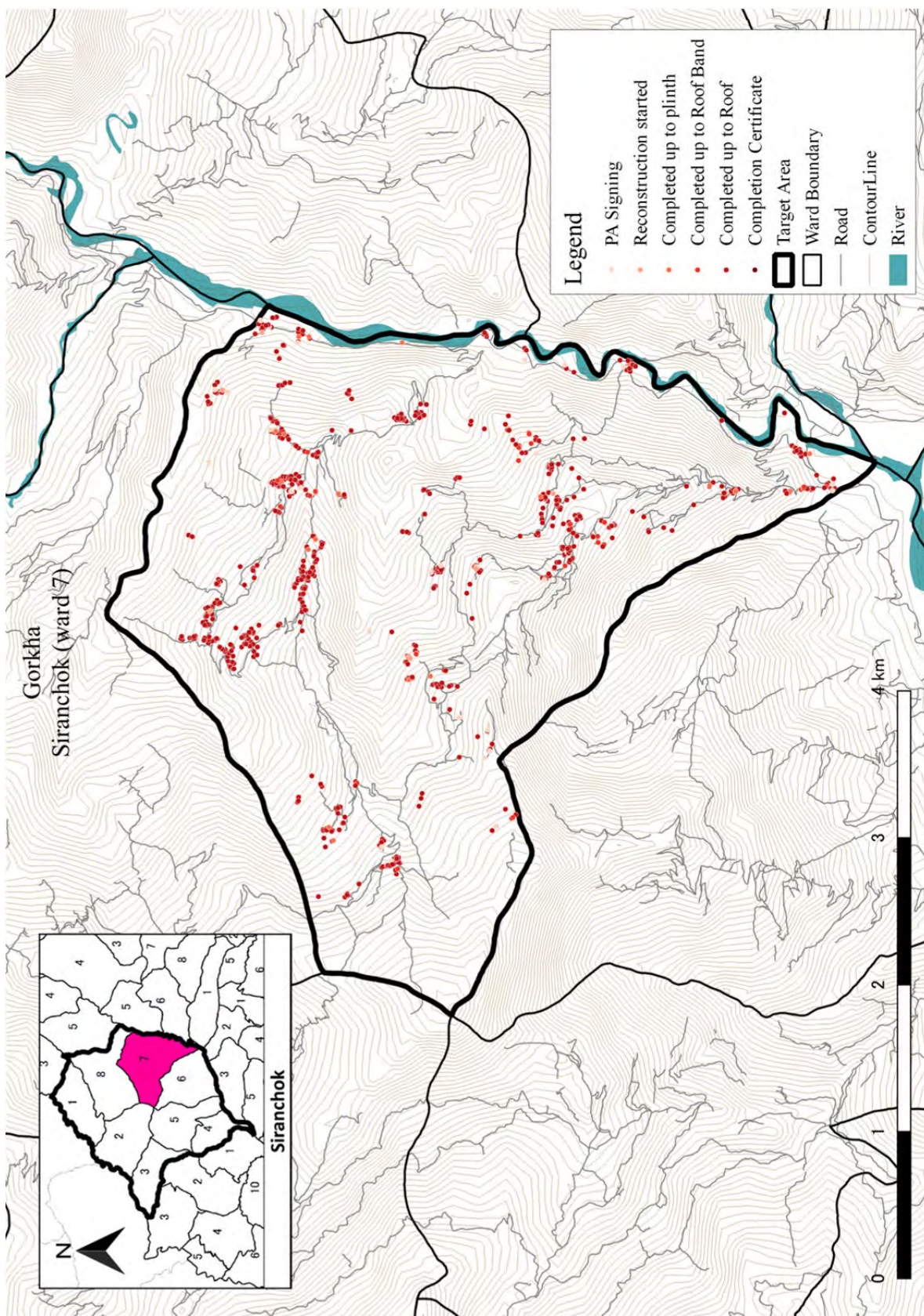


Figure B. 17 Progress of Siranchok (Ward 7), Gorkha

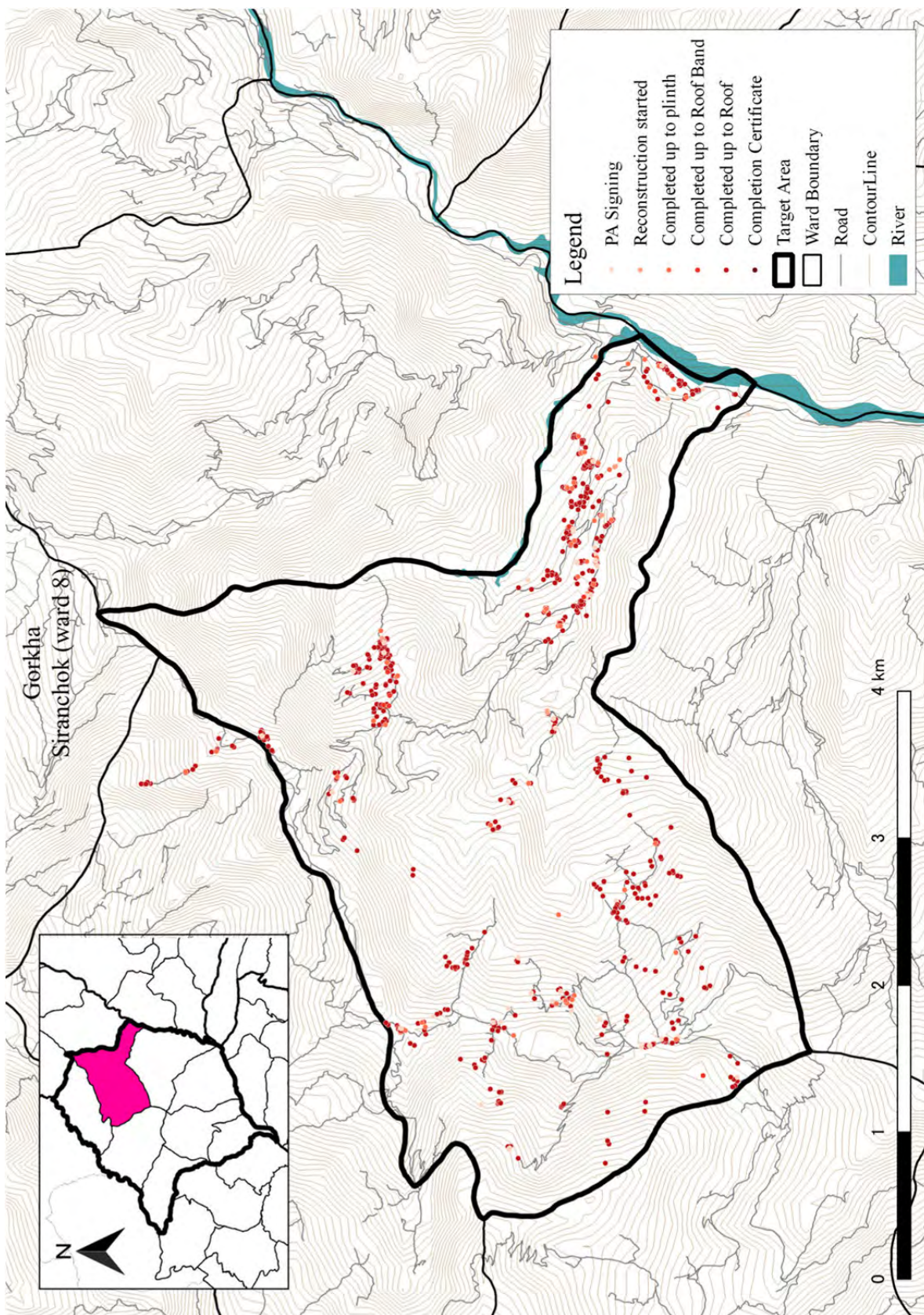


Figure B. 18 Progress of Siranchok (Ward 8), Gorkha

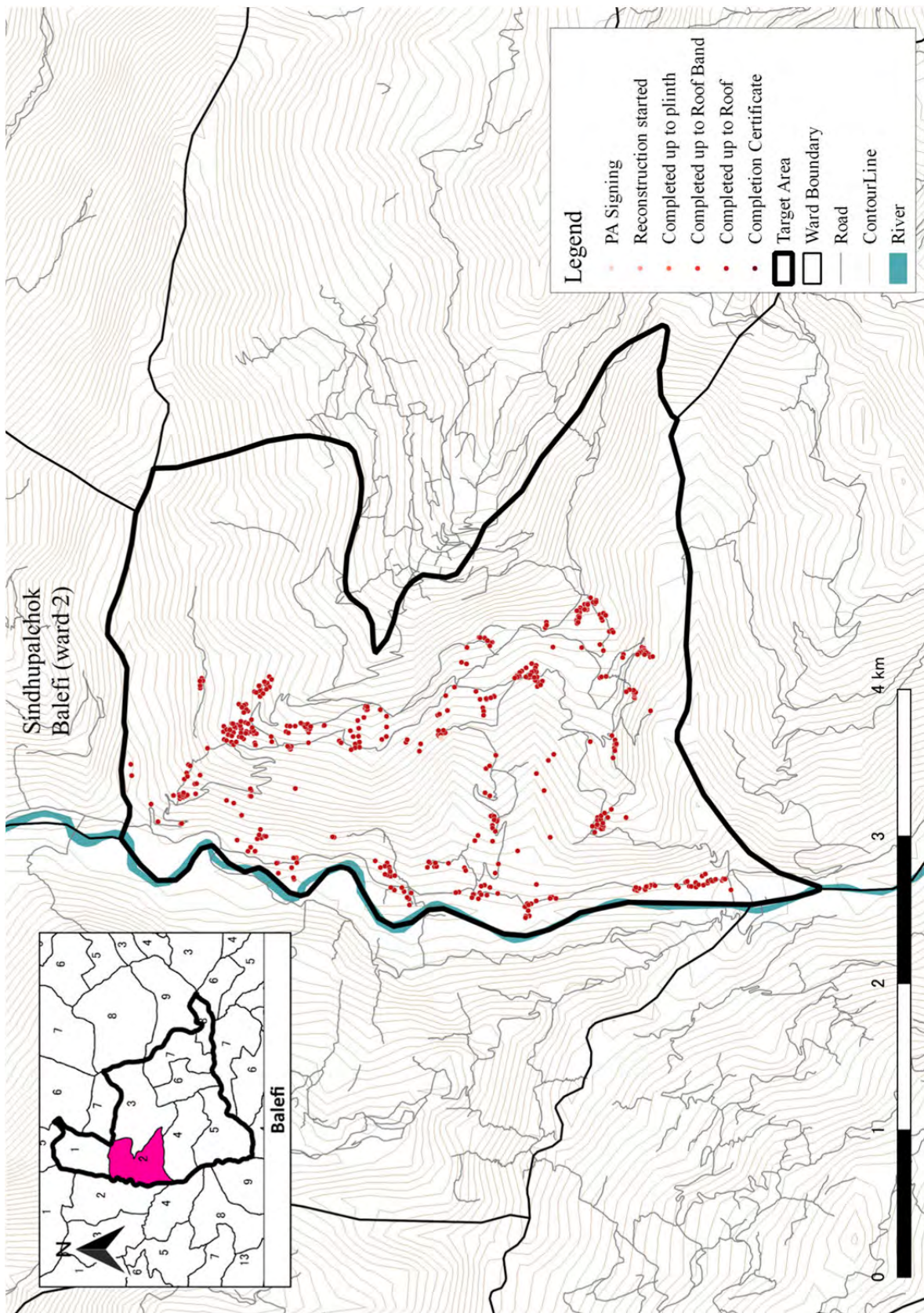


Figure B. 19 Progress of Balefi (Ward 2), Sindhupalchok

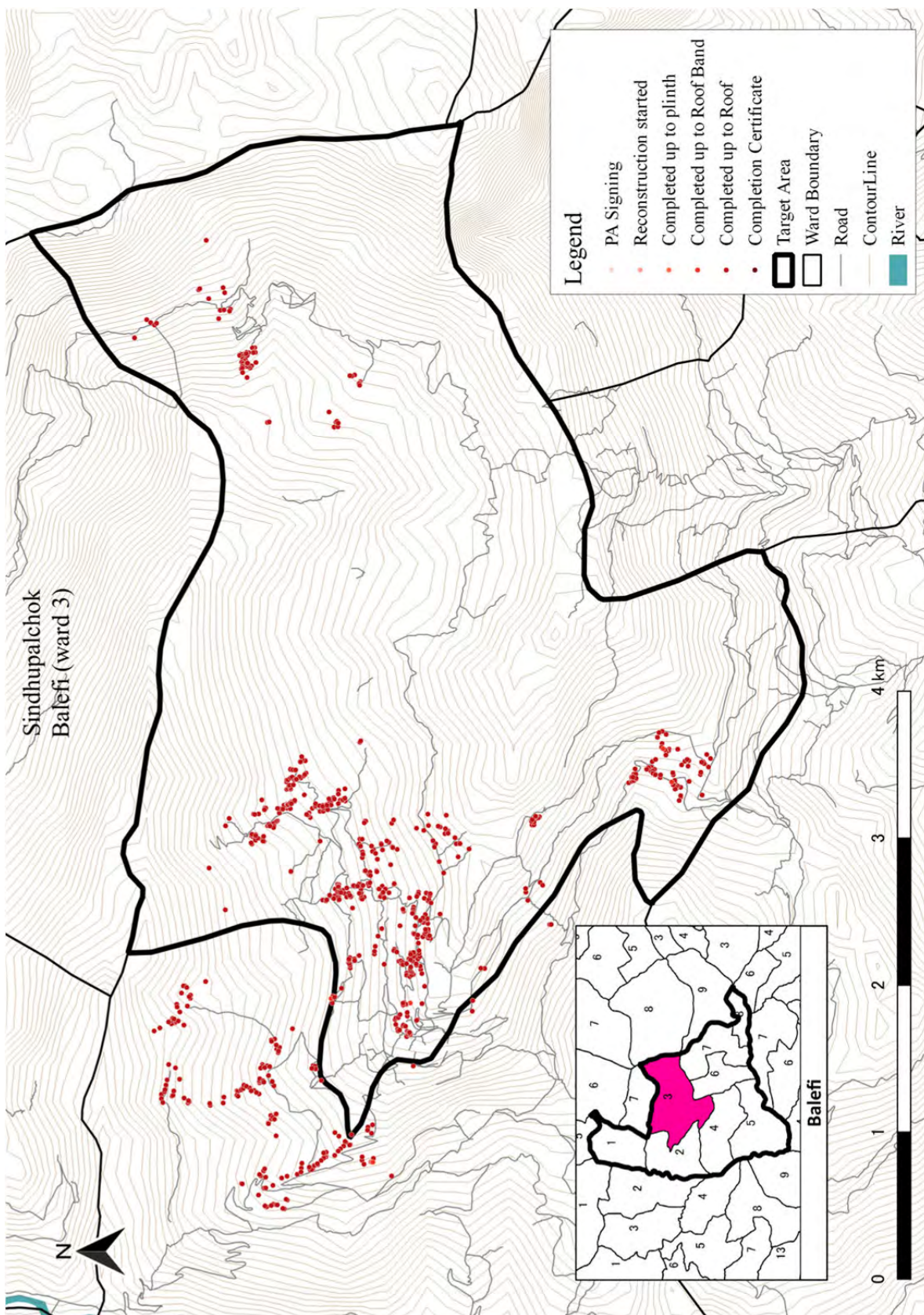


Figure B. 20 Progress of Balefi (Ward 3), Sindhupalchok

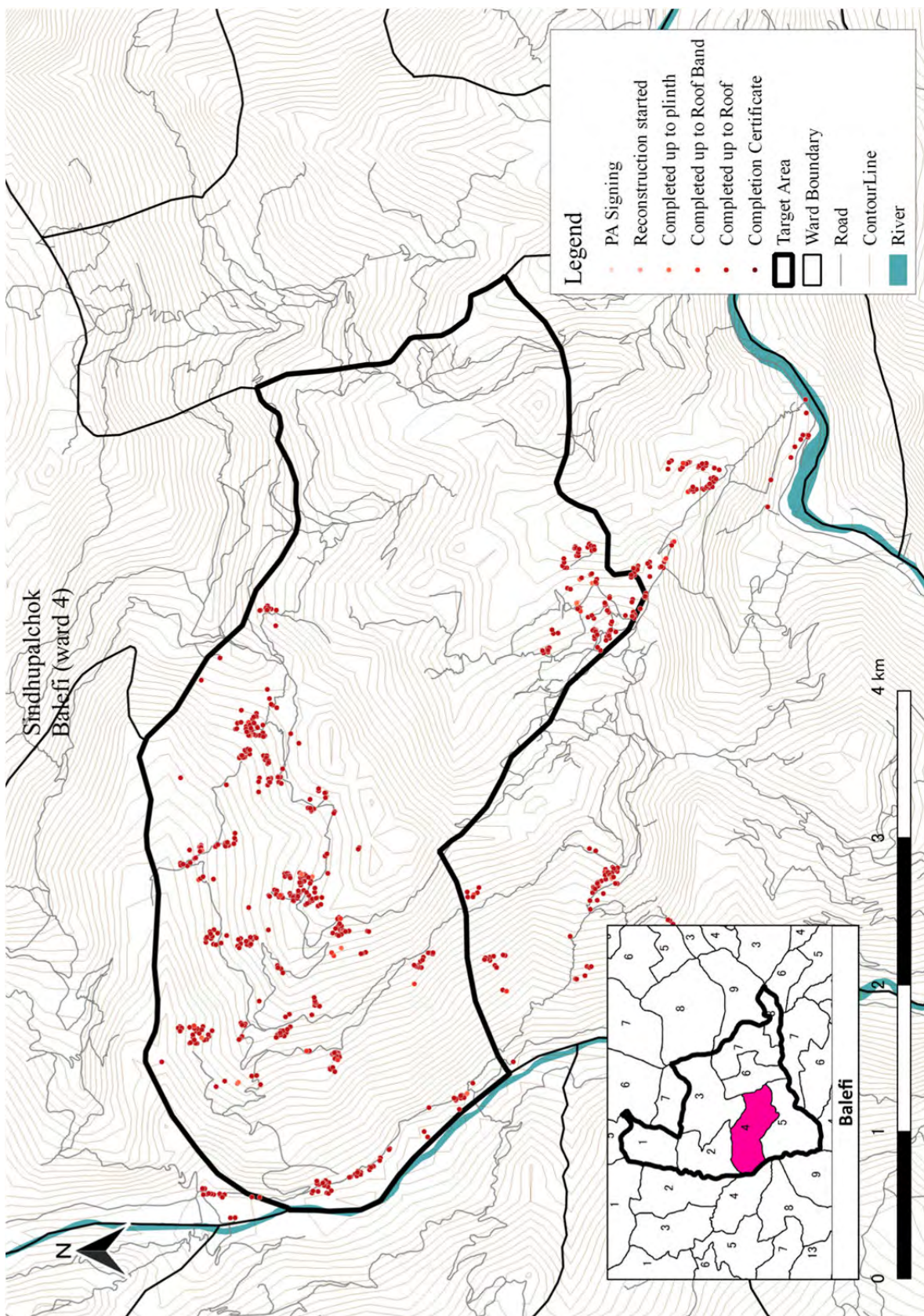


Figure B. 21 Progress of Balefi (Ward 4), Sindhupalchok

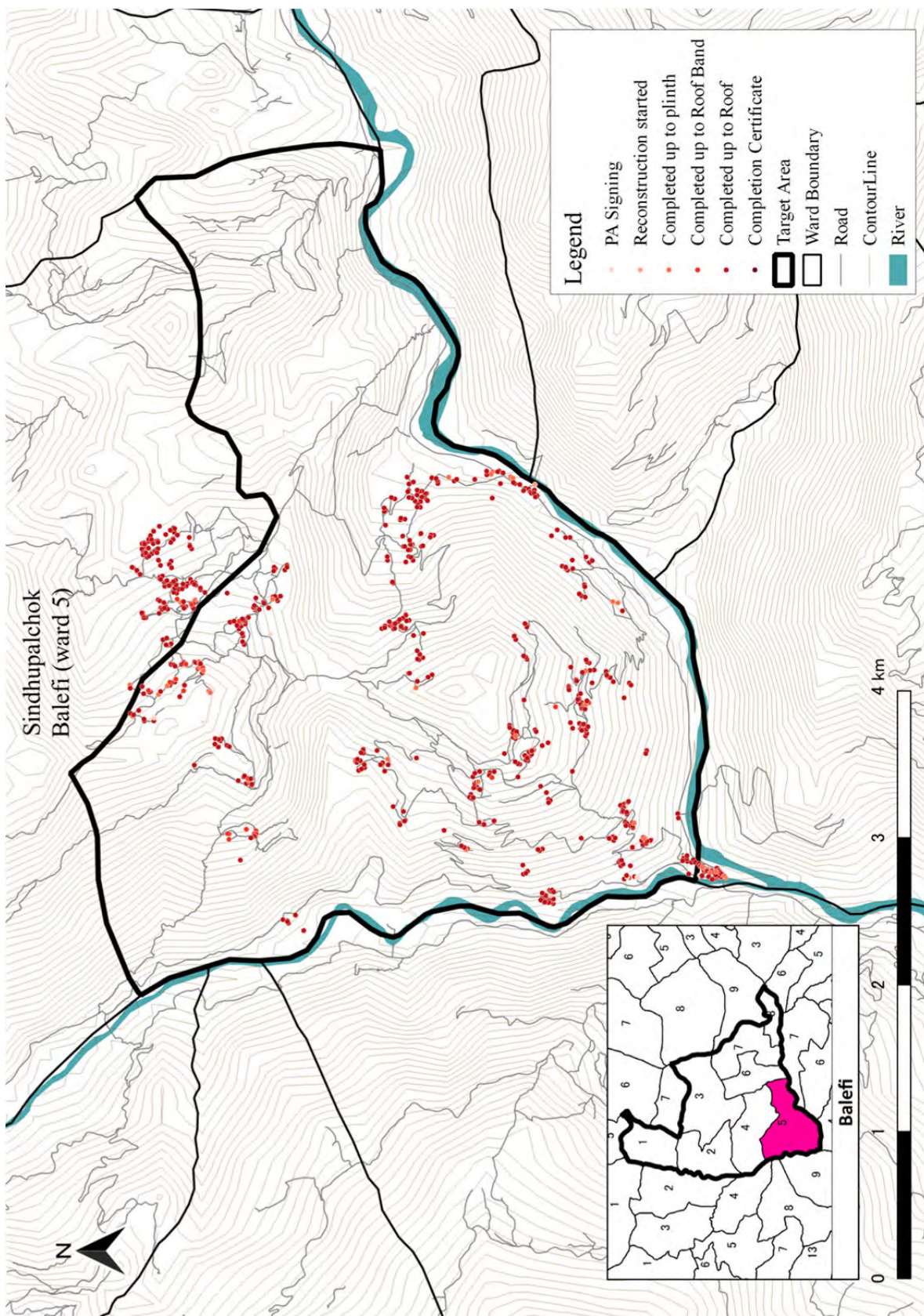


Figure B.22 Progress of Balefi (Ward 5), Sindhupalchok

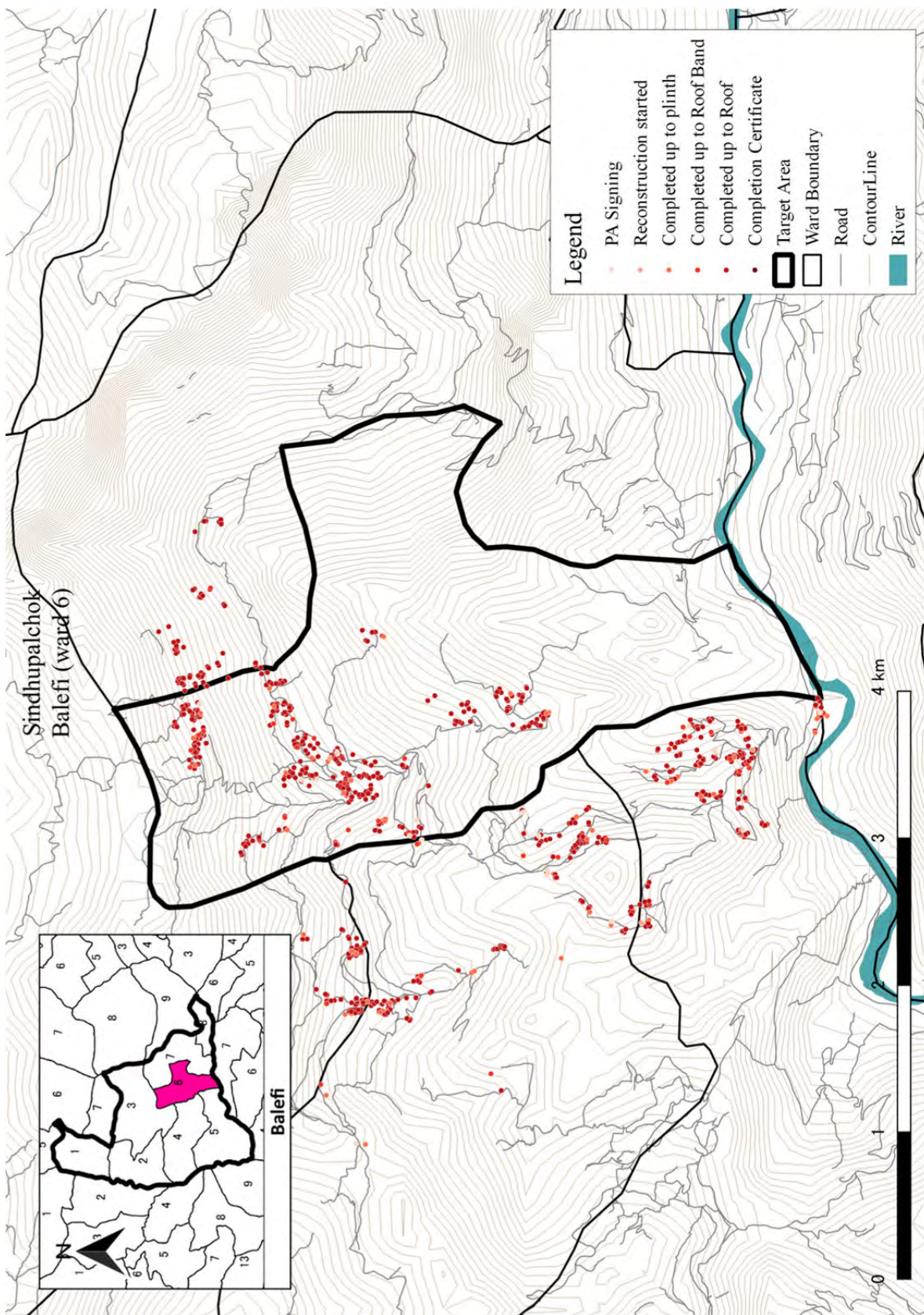


Figure B. 23 Progress of Balefi (Ward 6), Sindhupalchok

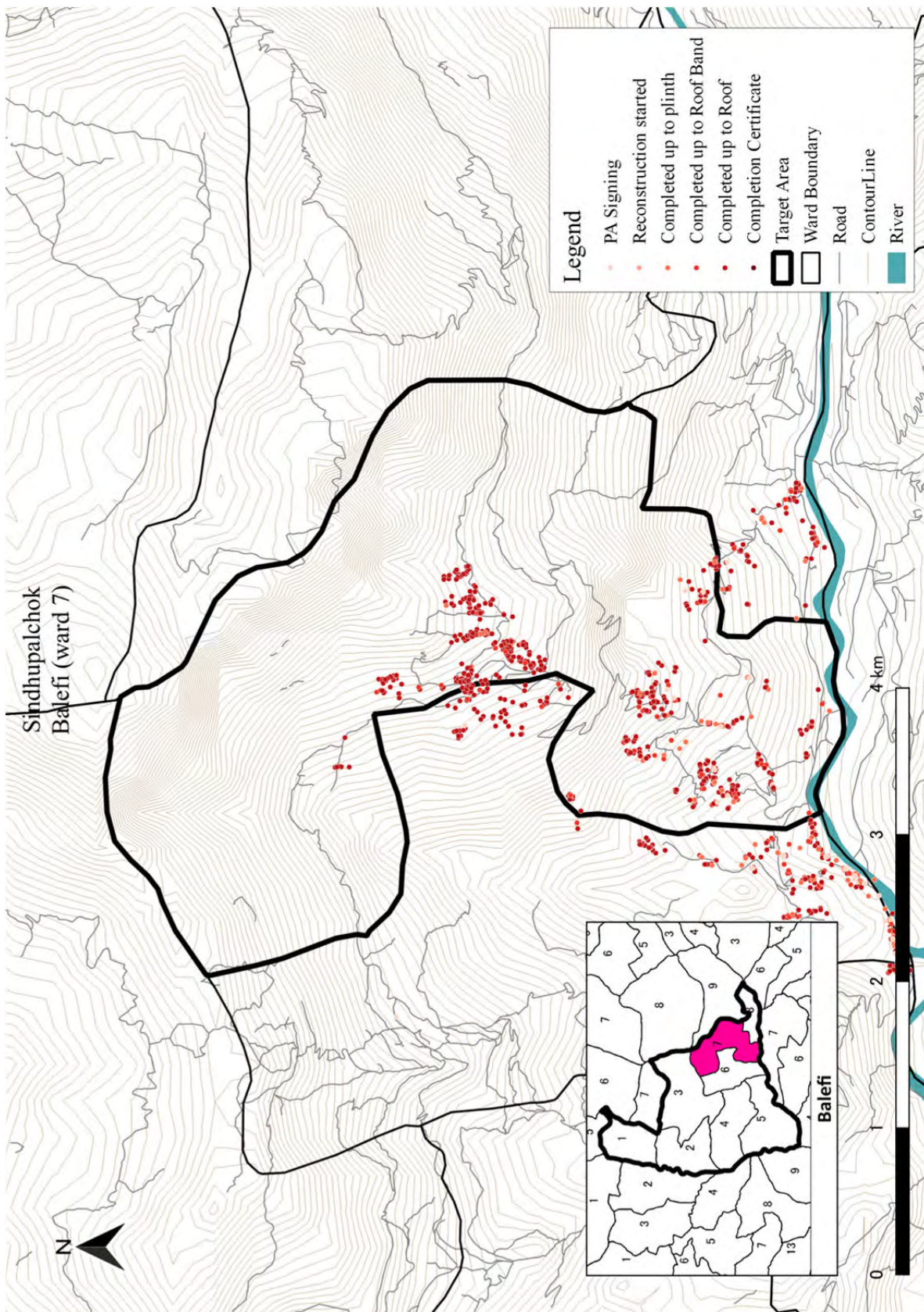


Figure B. 24 Progress of Balefi (Ward 7), Sindhupalchok

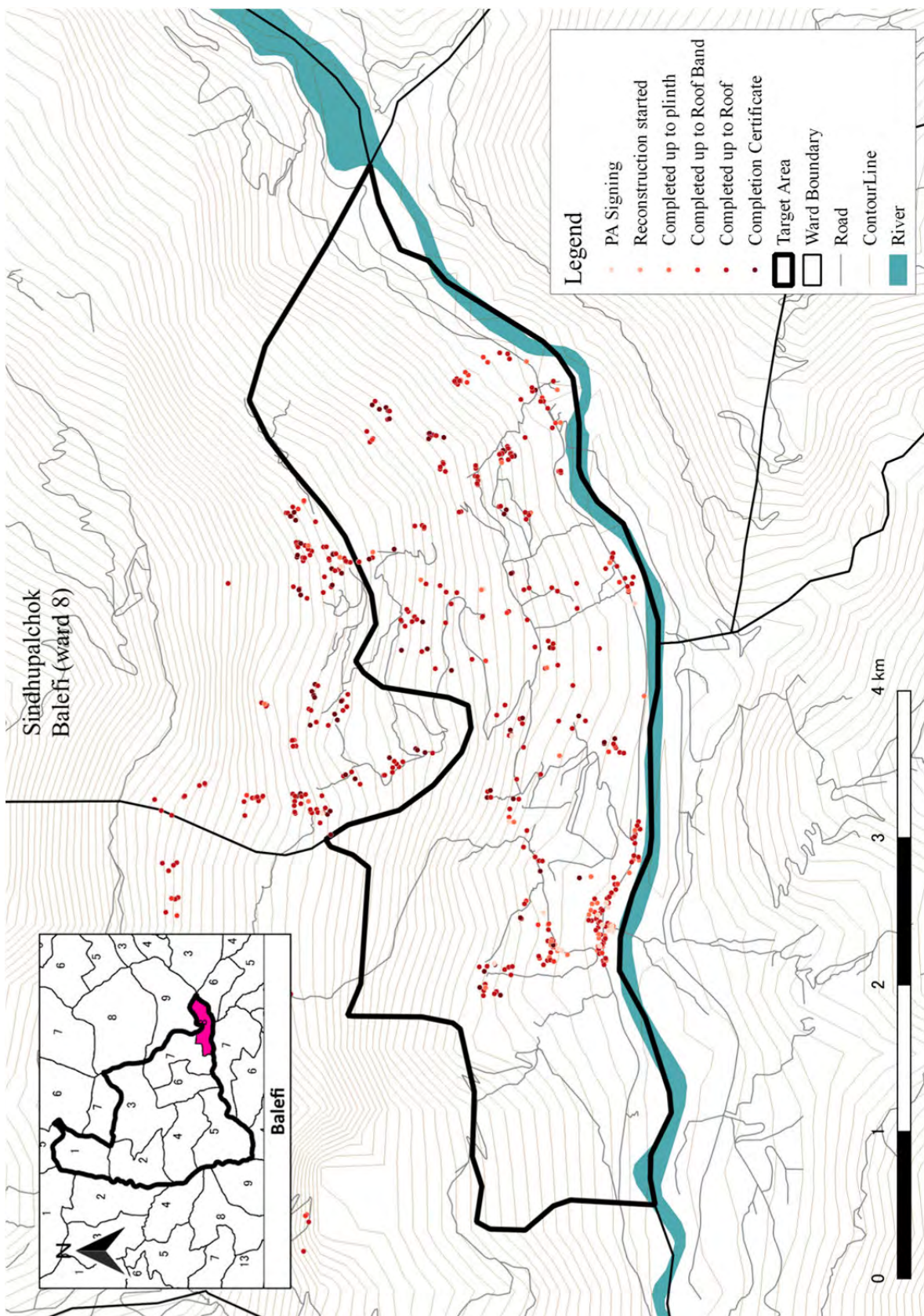


Figure B. 25 Progress of Balefi (Ward 8), Sindhupalchok

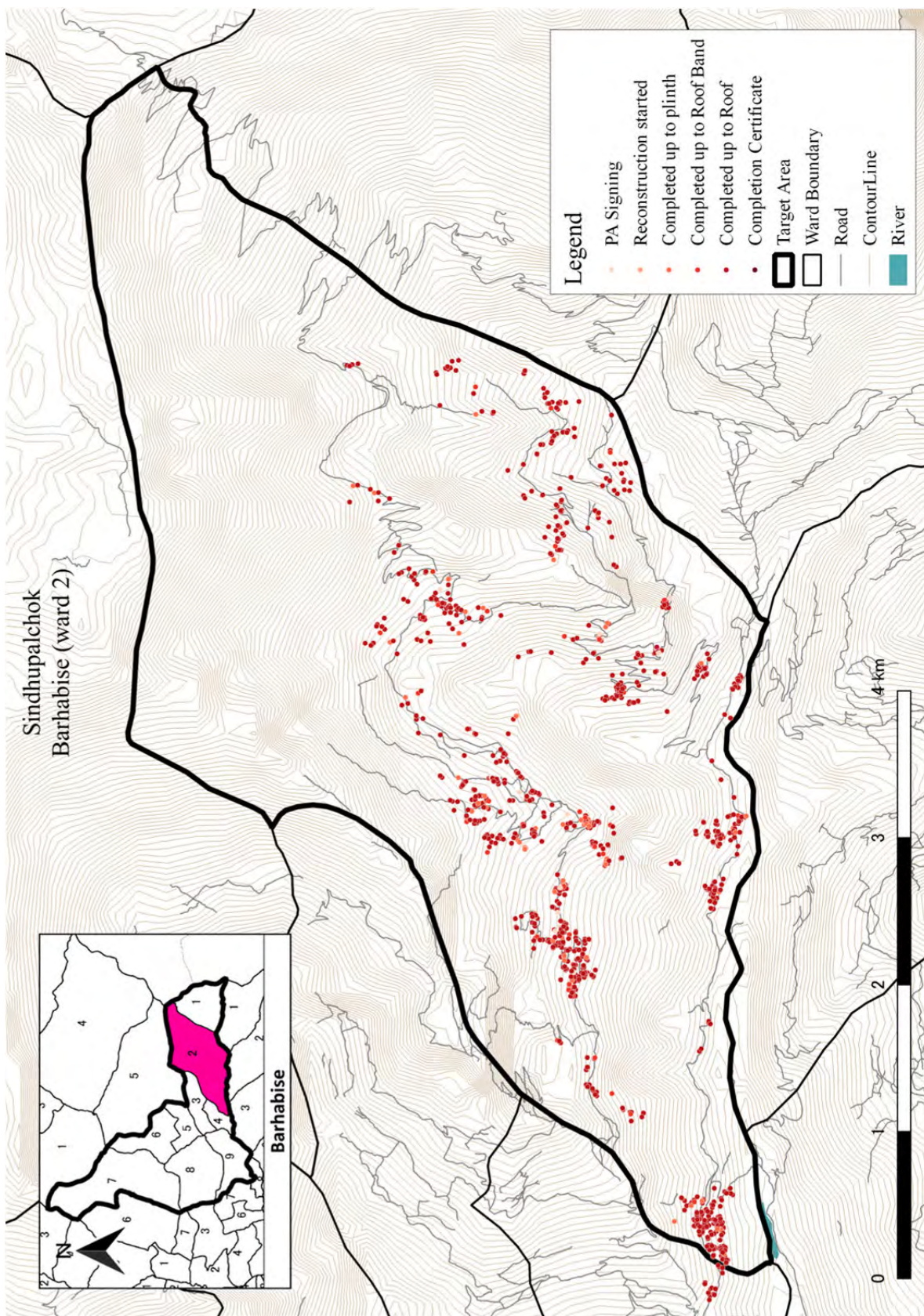


Figure B. 26 Progress of Barhabise (Ward 2), Sindhupalchok

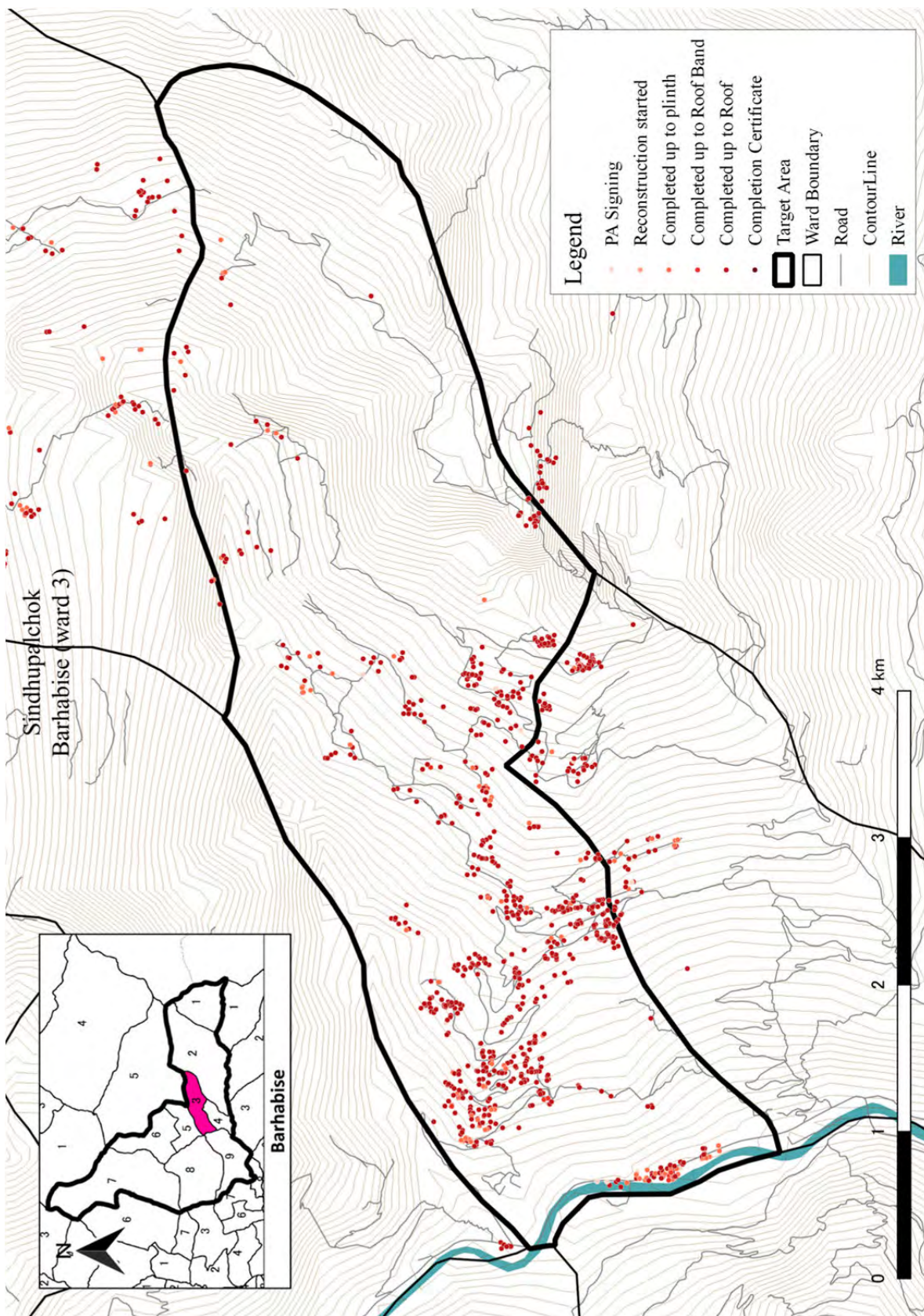


Figure B. 27 Progress of Barhabise (Ward 3), Sindhupalchok

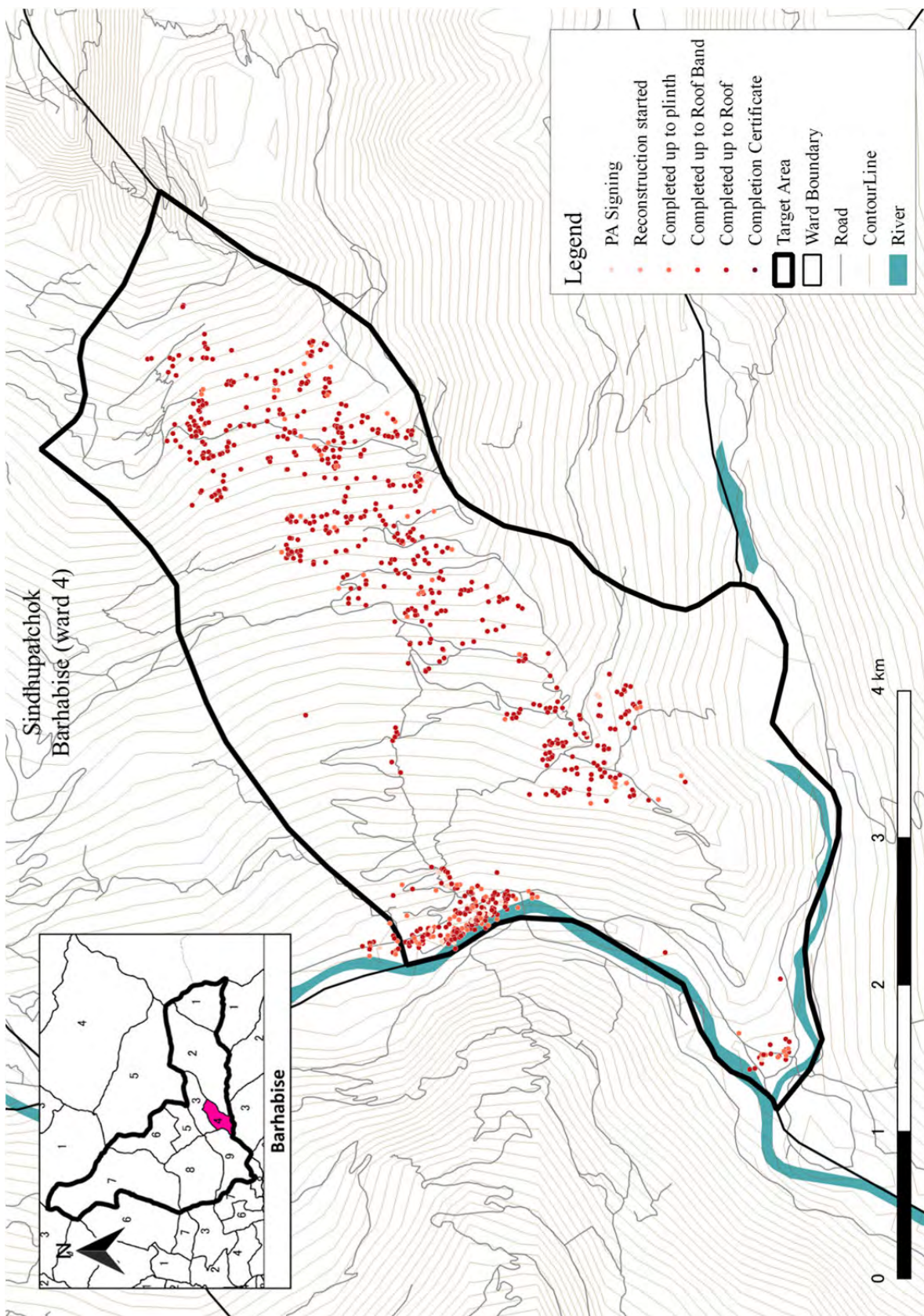


Figure B. 28 Progress of Barhabise (Ward 4), Sindhupalchok

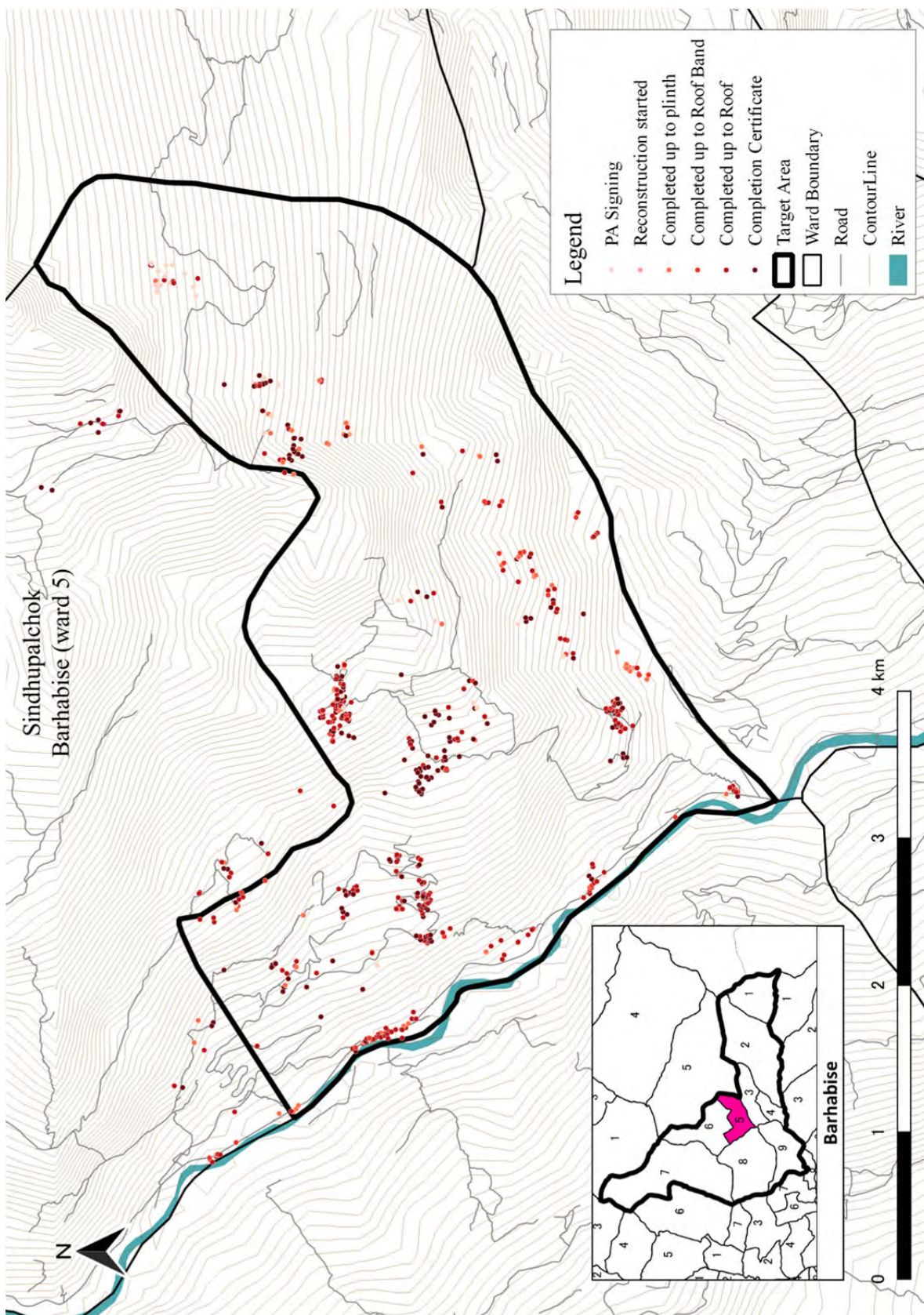


Figure B. 29 Progress of Barhabise (Ward 5), Sindhupalchok

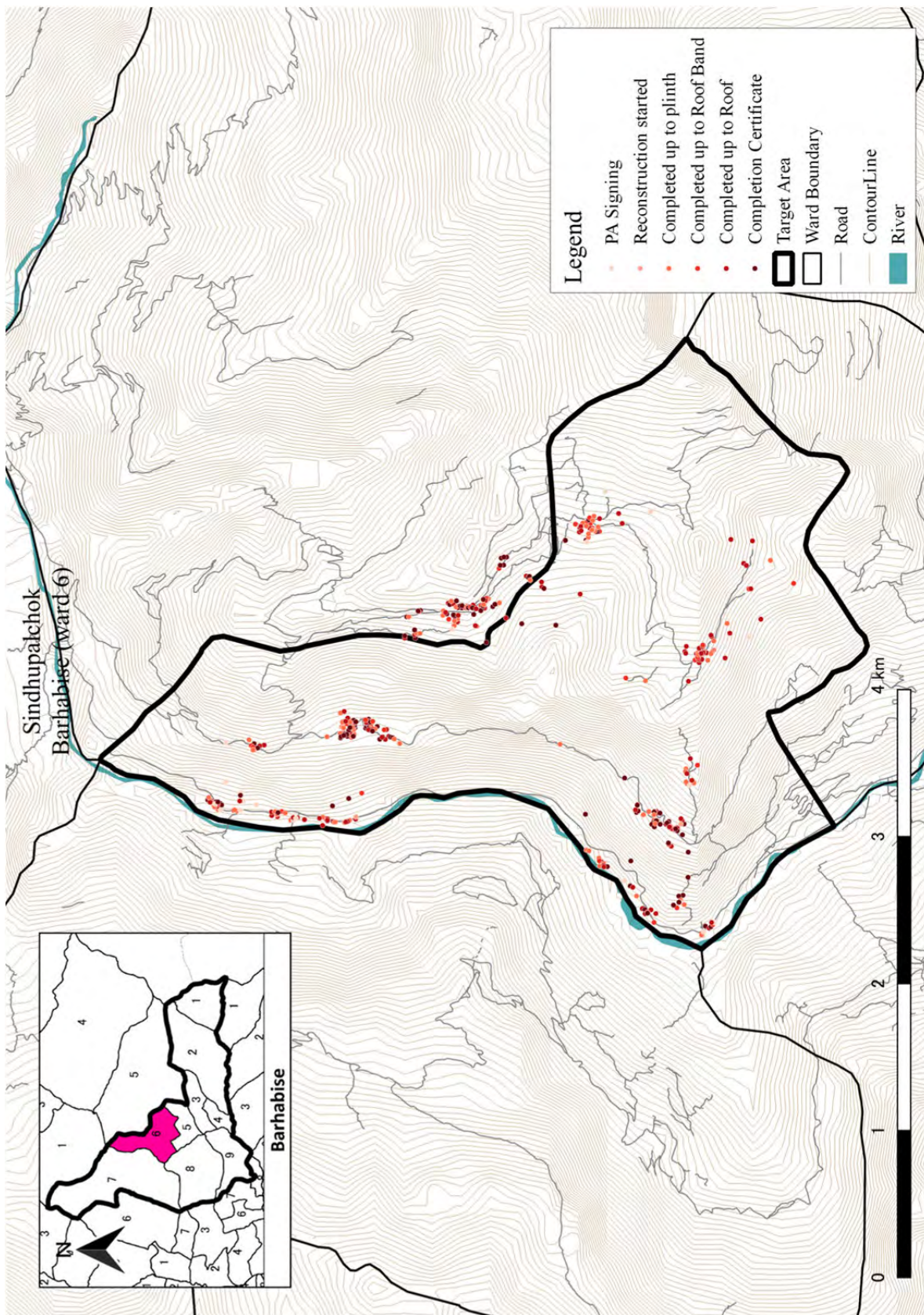


Figure B. 30 Progress of Barhabise (Ward 6), Sindhupalchok

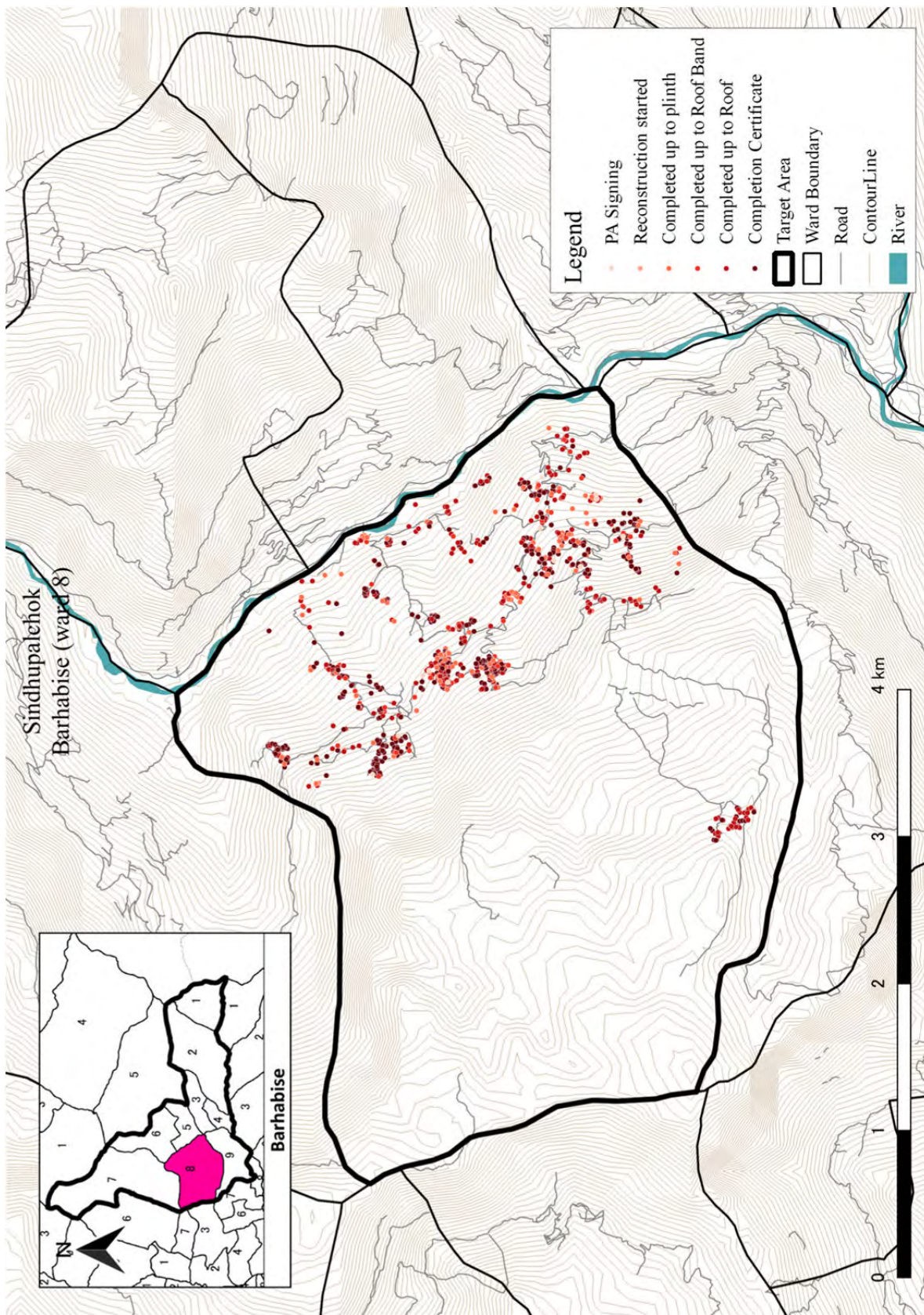


Figure B. 31 Progress of Barhabise (Ward 8), Sindhupalchok

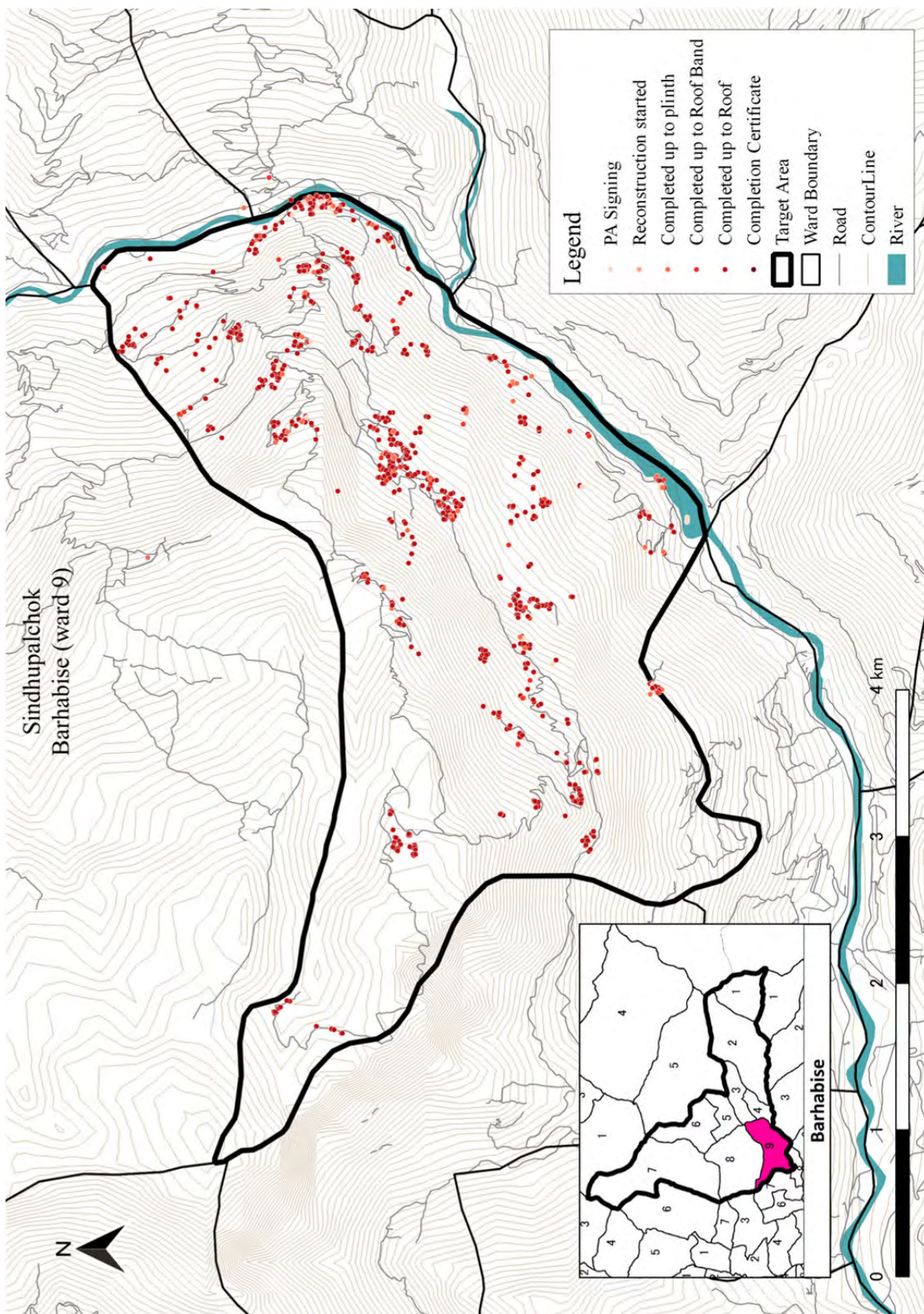


Figure B. 32 Progress of Barhabise (Ward 9), Sindhupalchok

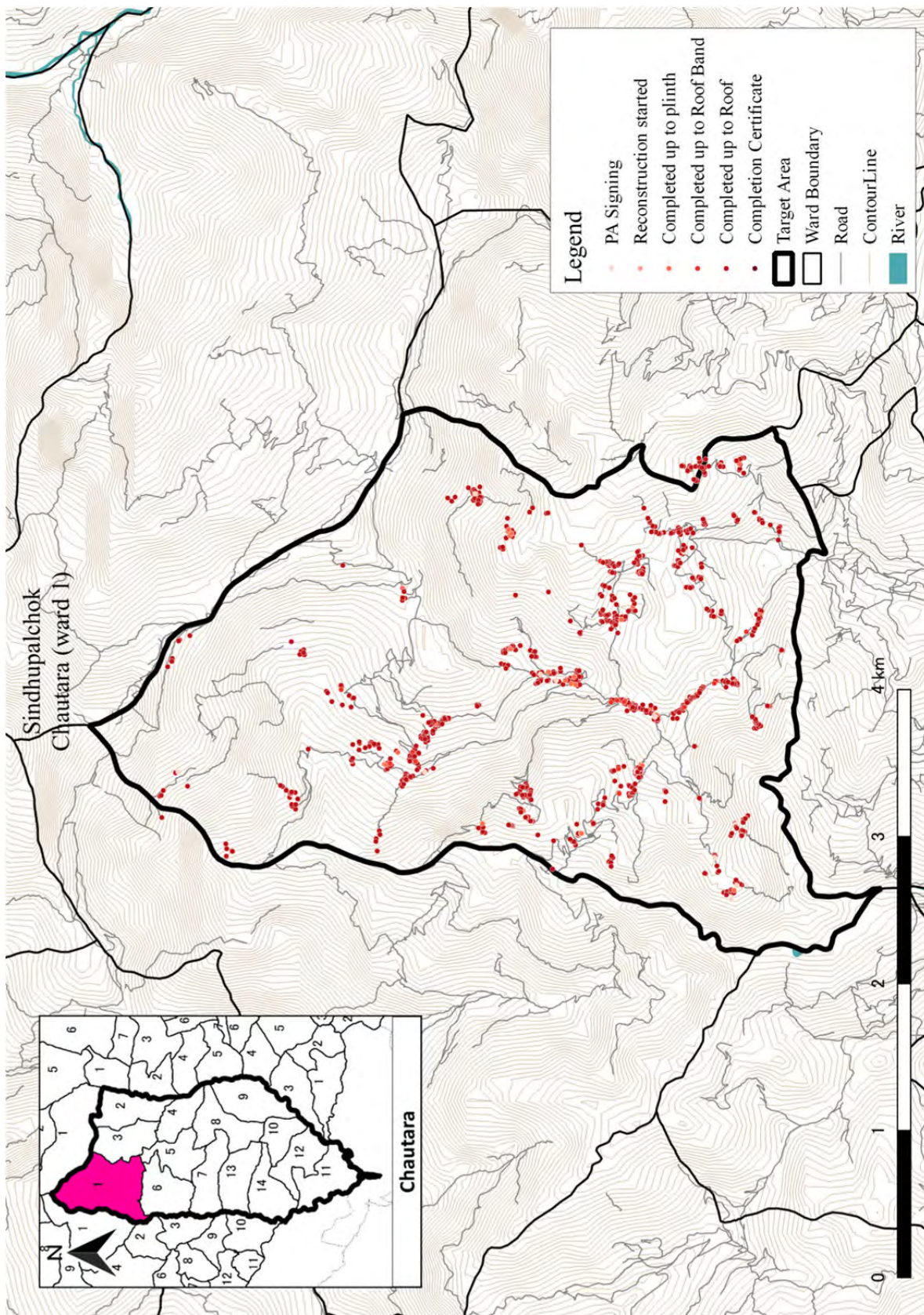


Figure B. 33 Progress of Chautara (Ward 1), Sindhupalchok

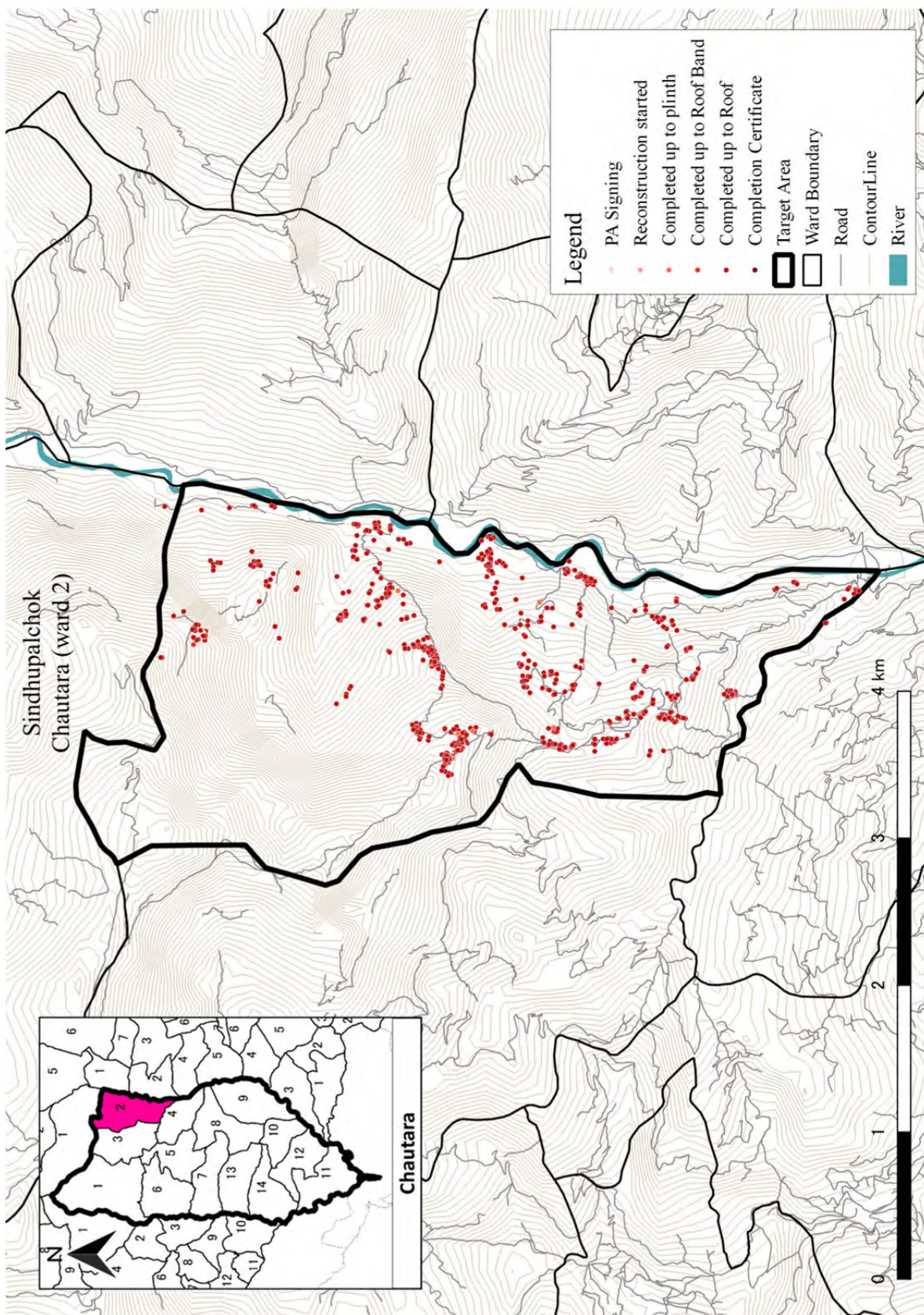


Figure B. 34 Progress of Chautara (Ward 2), Sindhupalchok

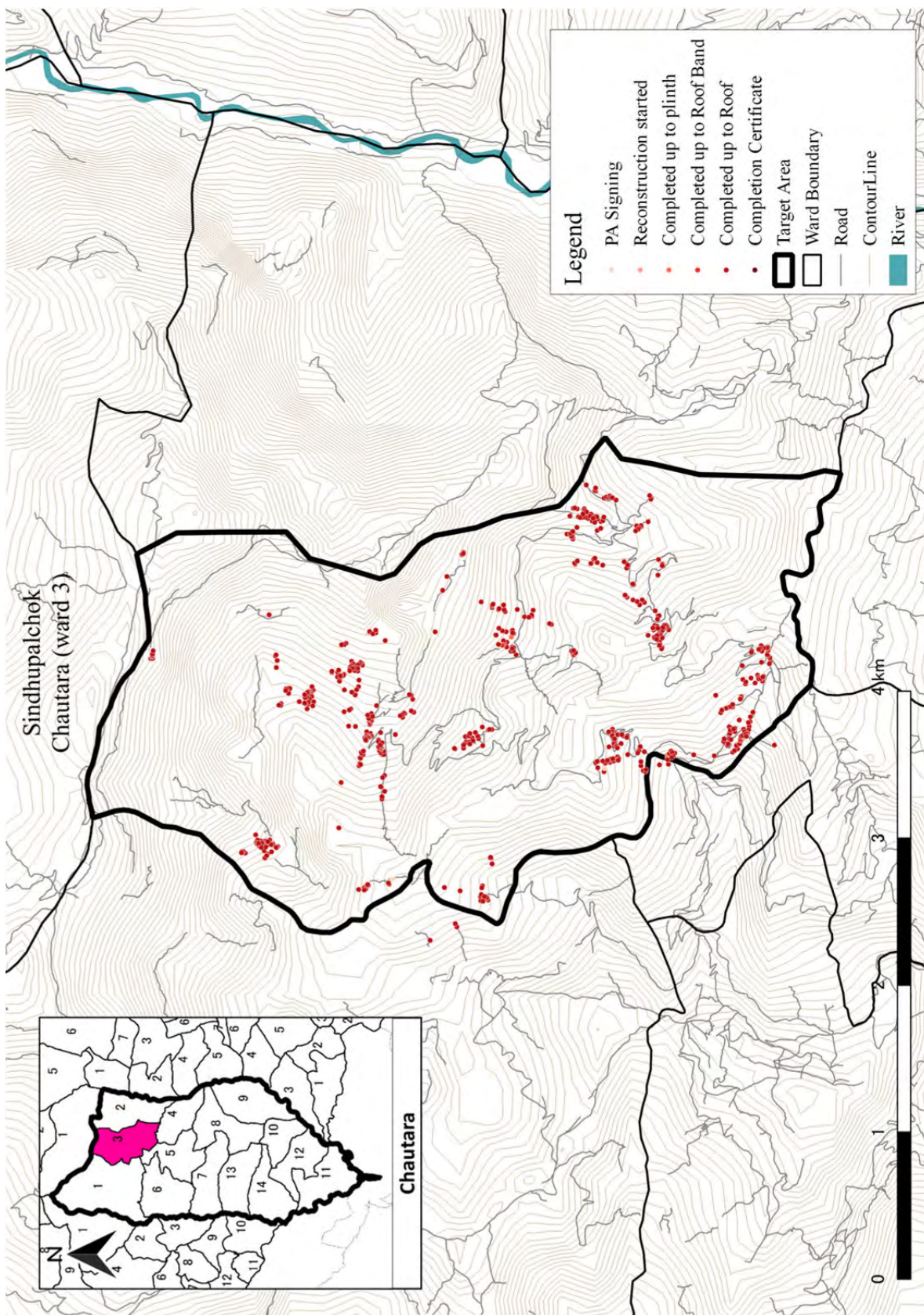


Figure B. 35 Progress of Chautara (Ward 3), Sindhupalchok

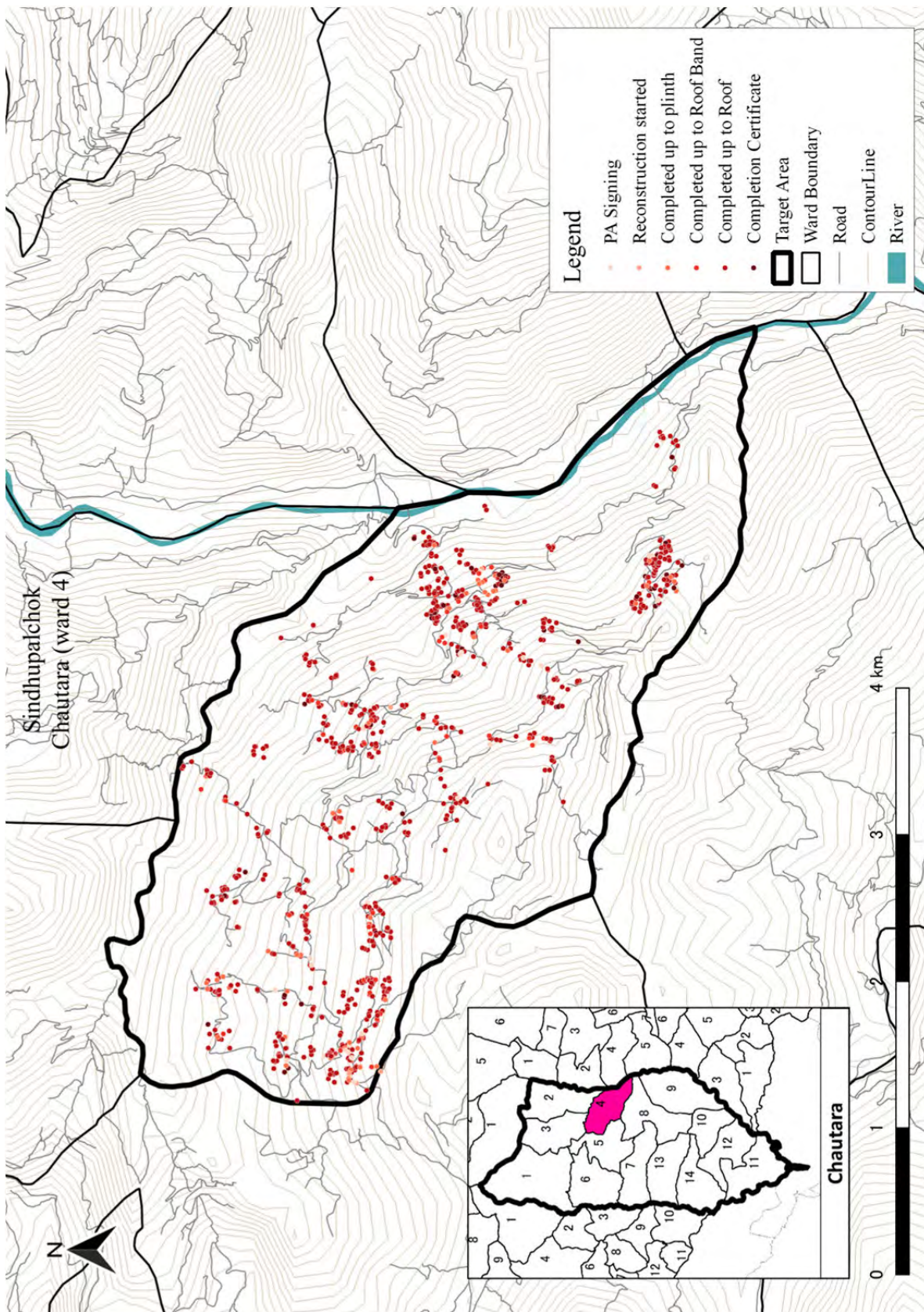


Figure B. 36 Progress of Chautara (Ward 4), Sindhupalchok

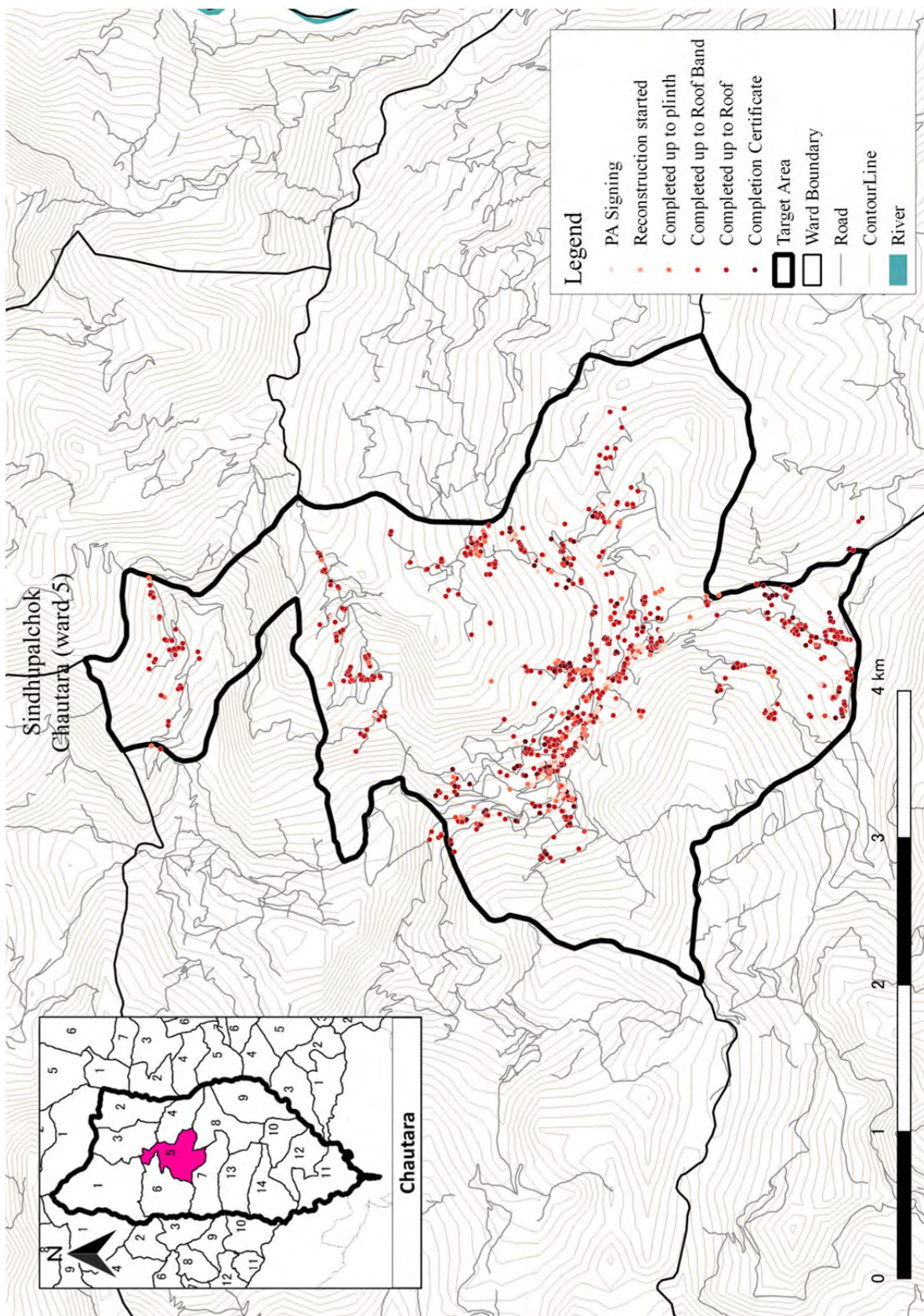


Figure B. 37 Progress of Chautara (Ward 5), Sindhupalchok

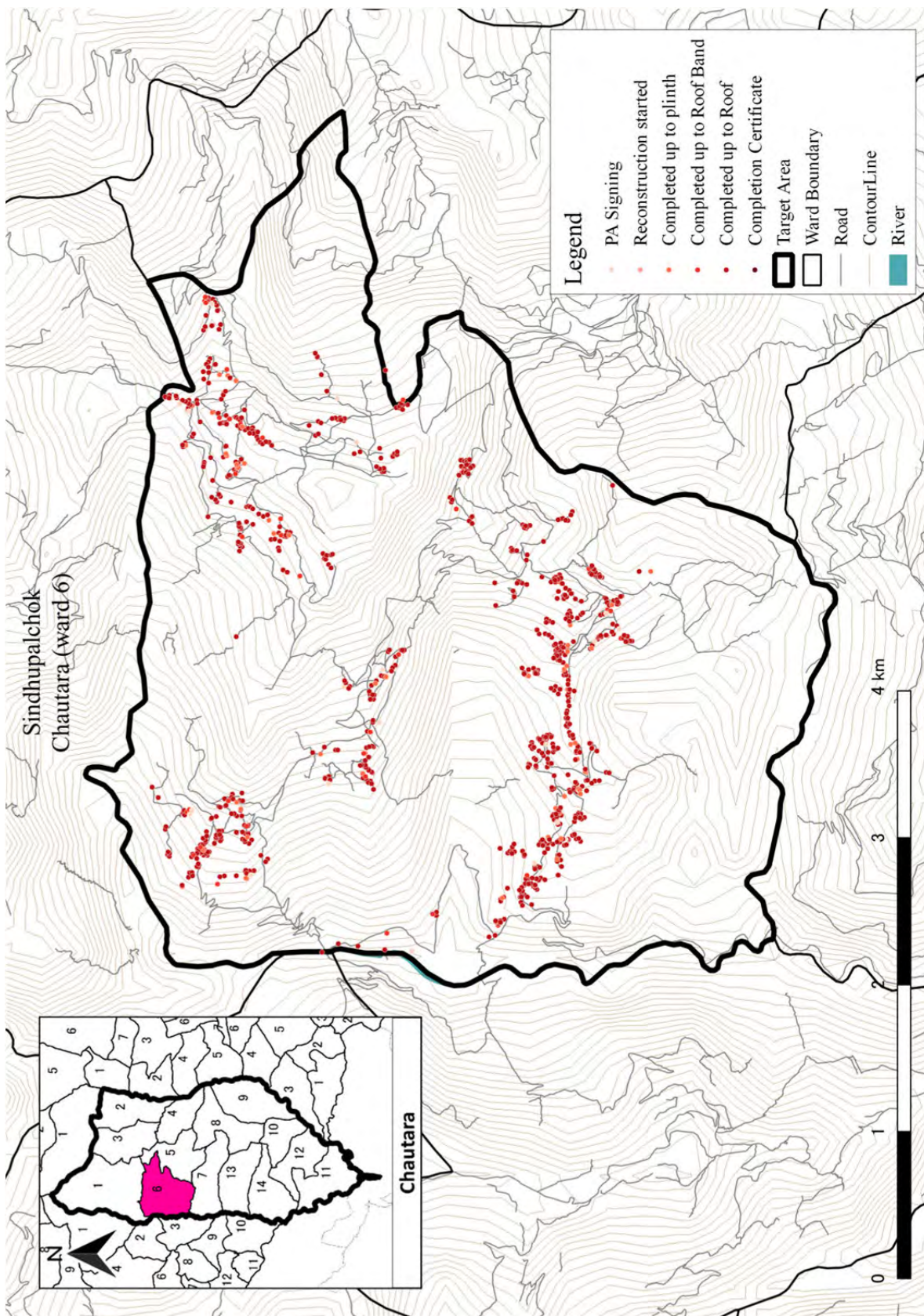


Figure B. 38 Progress of Chautara (Ward 6), Sindhupalchok

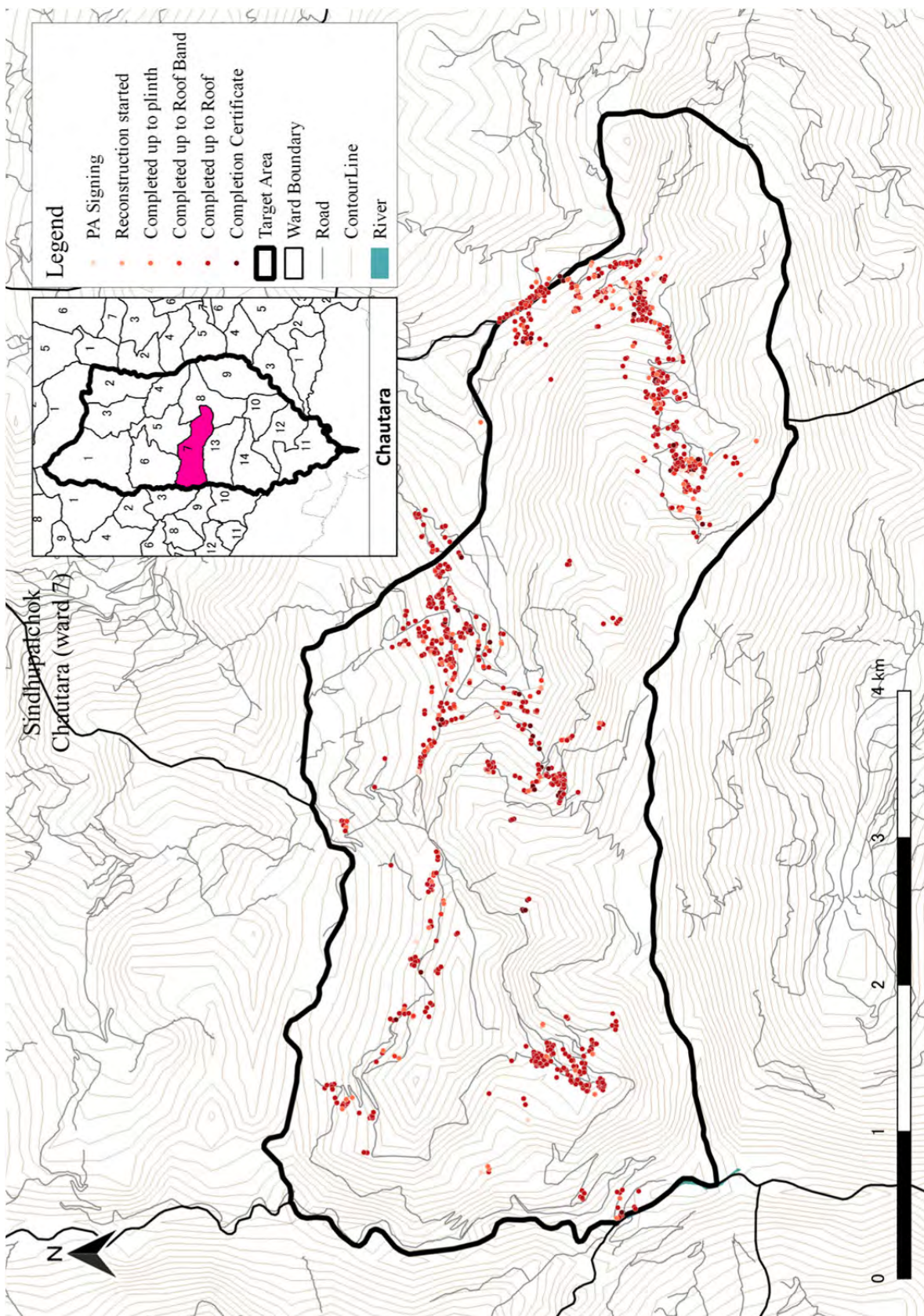


Figure B. 39 Progress of Chautara (Ward 7), Sindhupalchok

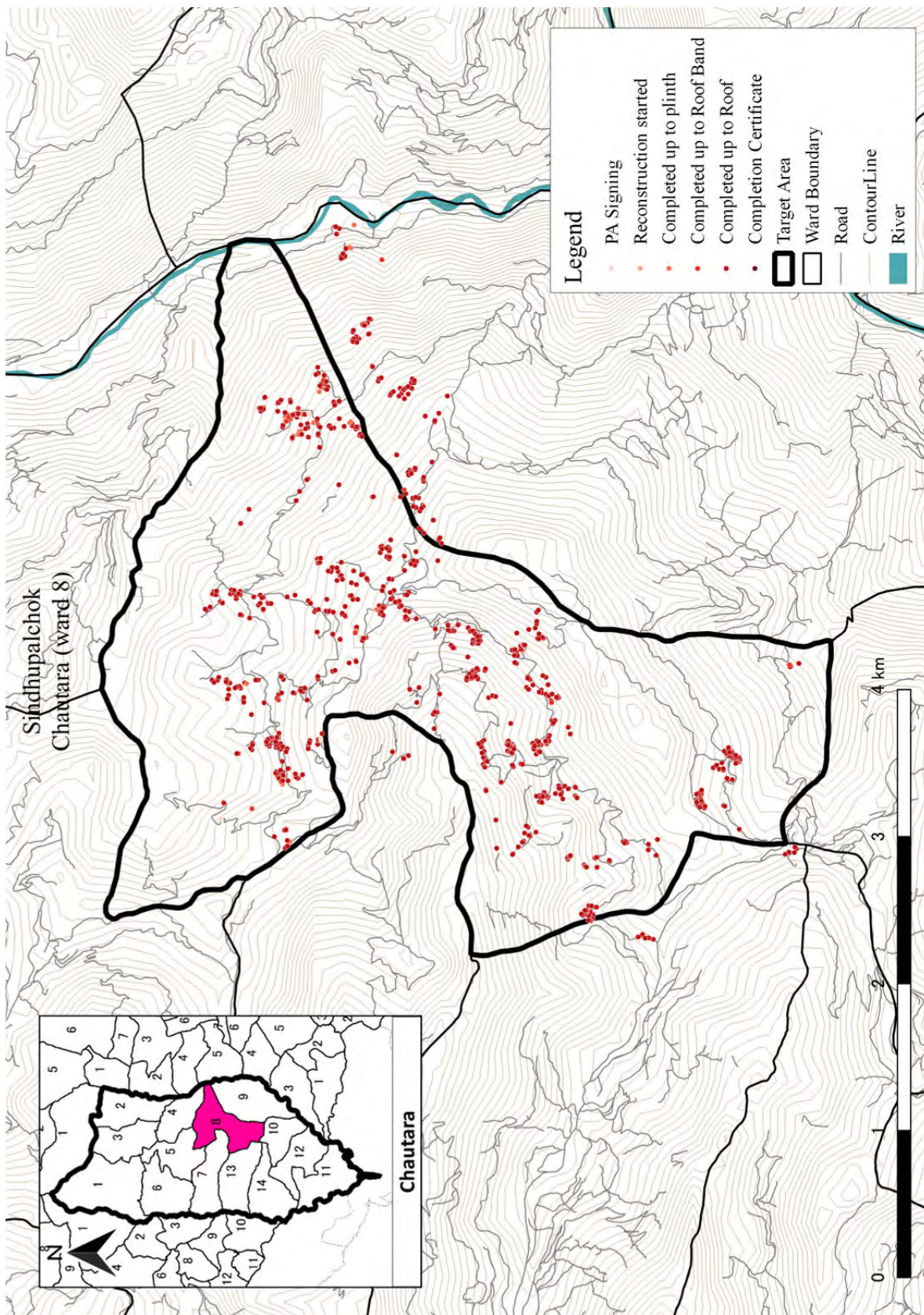


Figure B. 40 Progress of Chautara (Ward 8), Sindhupalchok

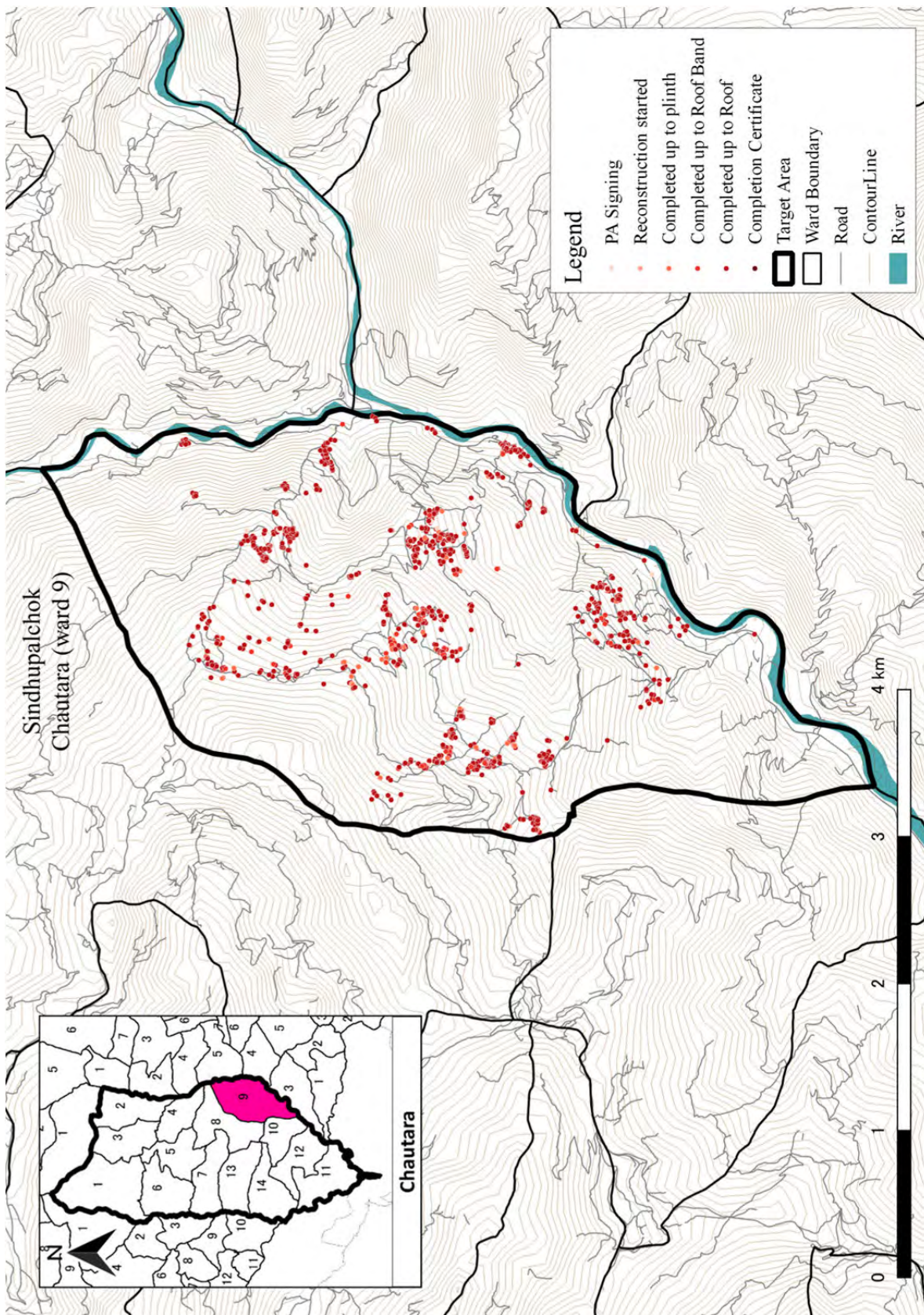


Figure B. 41 Progress of Chautara (Ward 9), Sindhupalchok

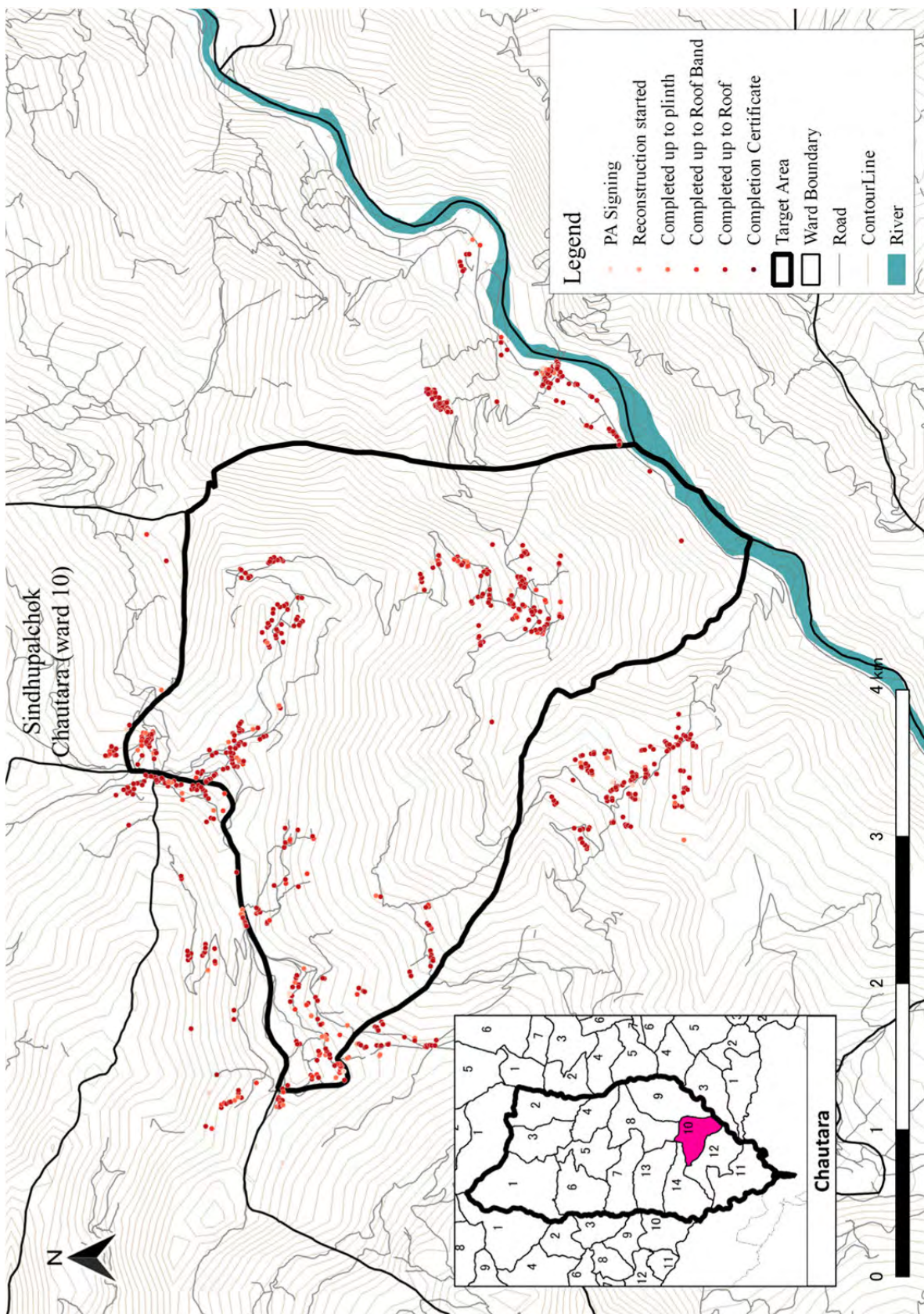


Figure B. 42 Progress of Chautara (Ward 10), Sindhupalchok

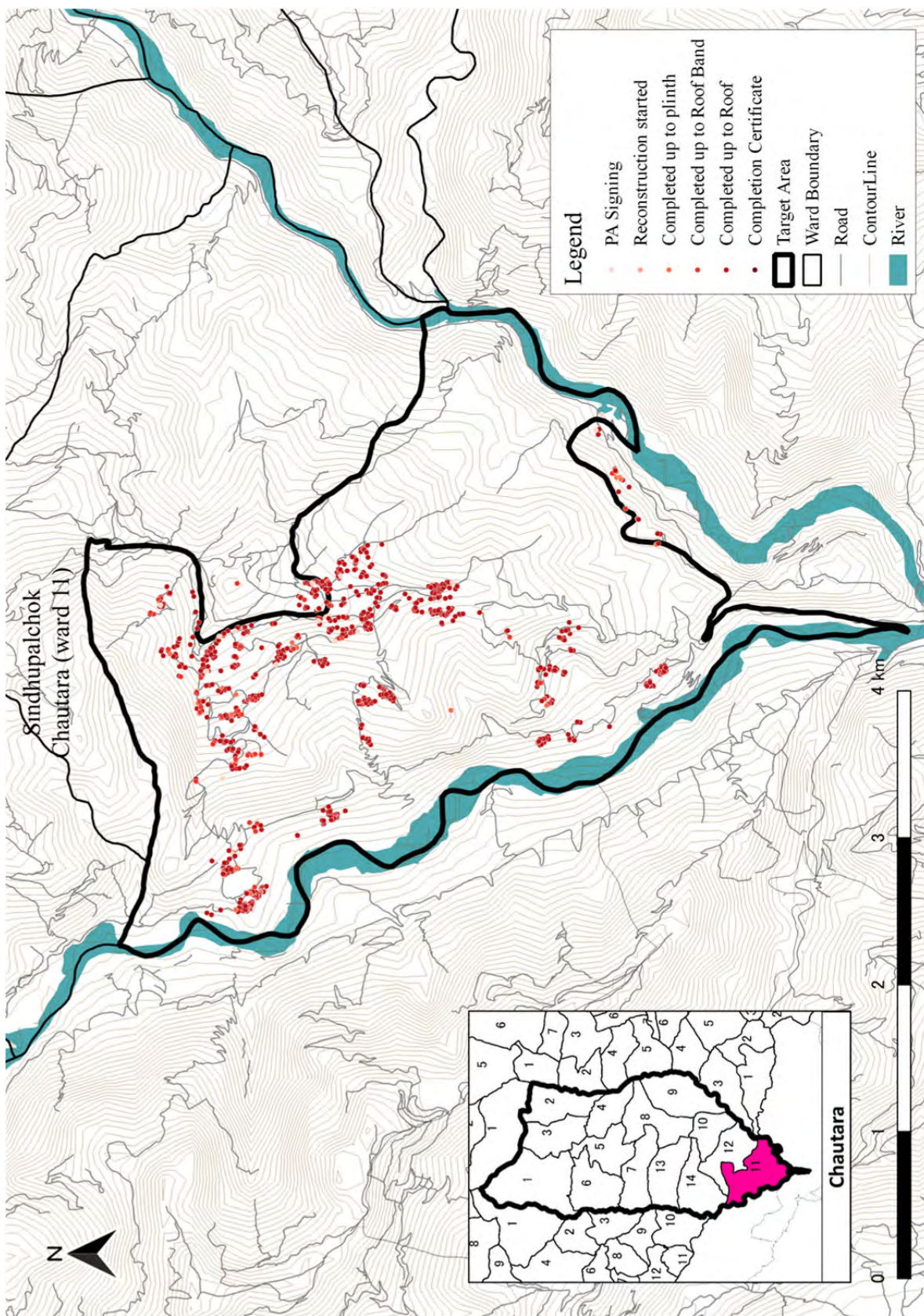


Figure B. 43 Progress of Chautara (Ward 11), Sindhupalchok

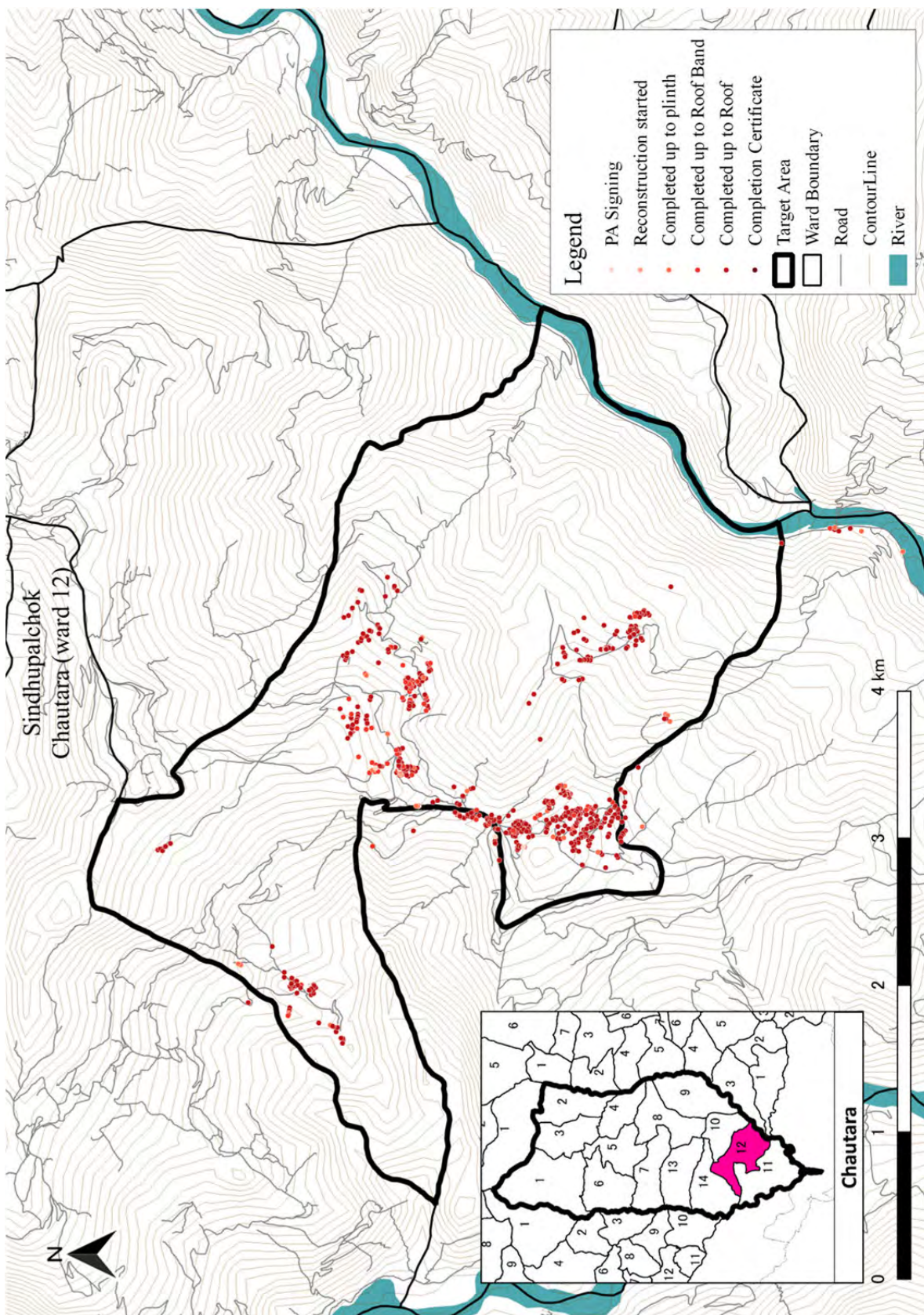


Figure B. 44 Progress of Chautara (Ward 12), Sindhupalchok

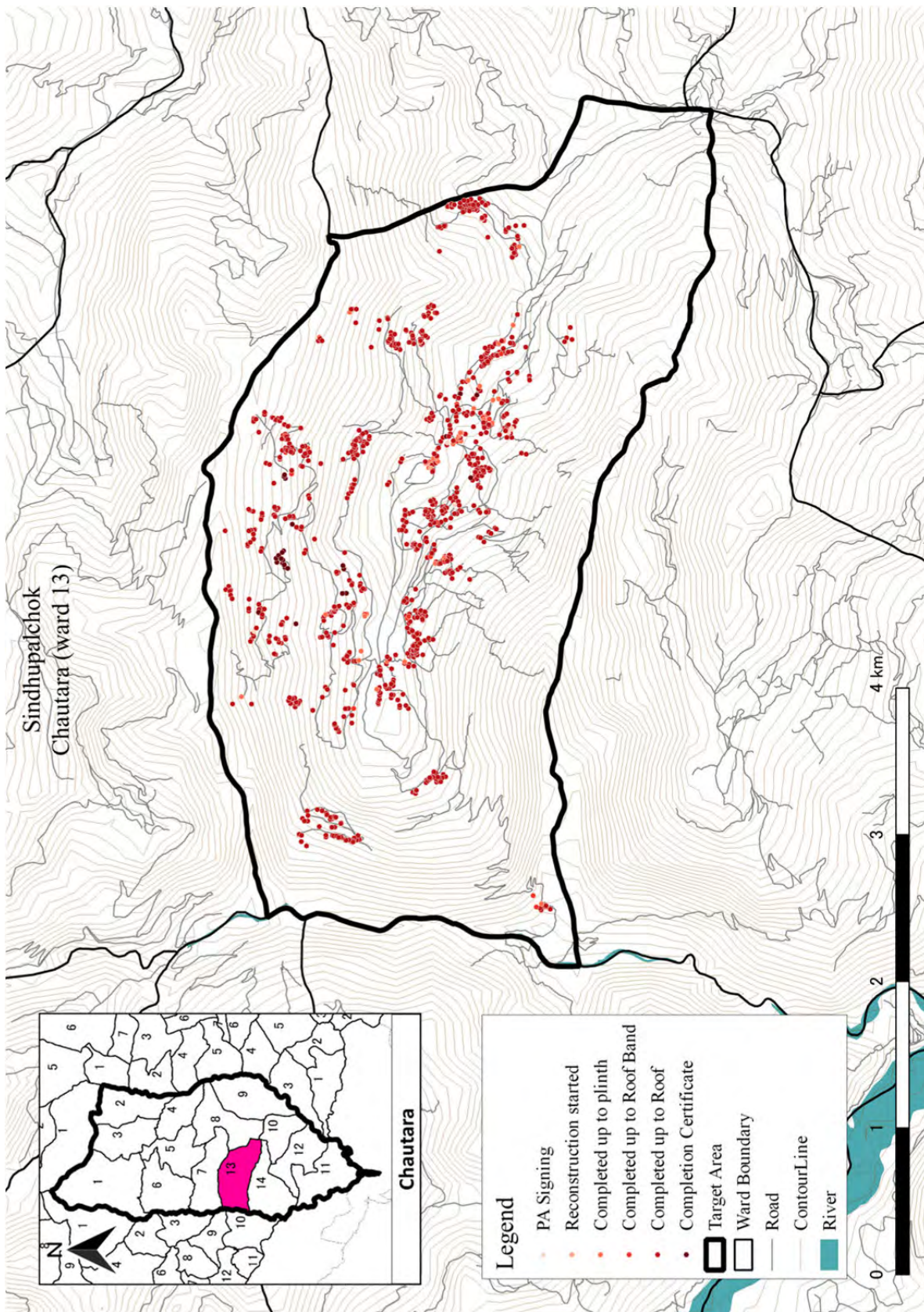


Figure B. 45 Progress of Chautara (Ward 13), Sindhupalchok

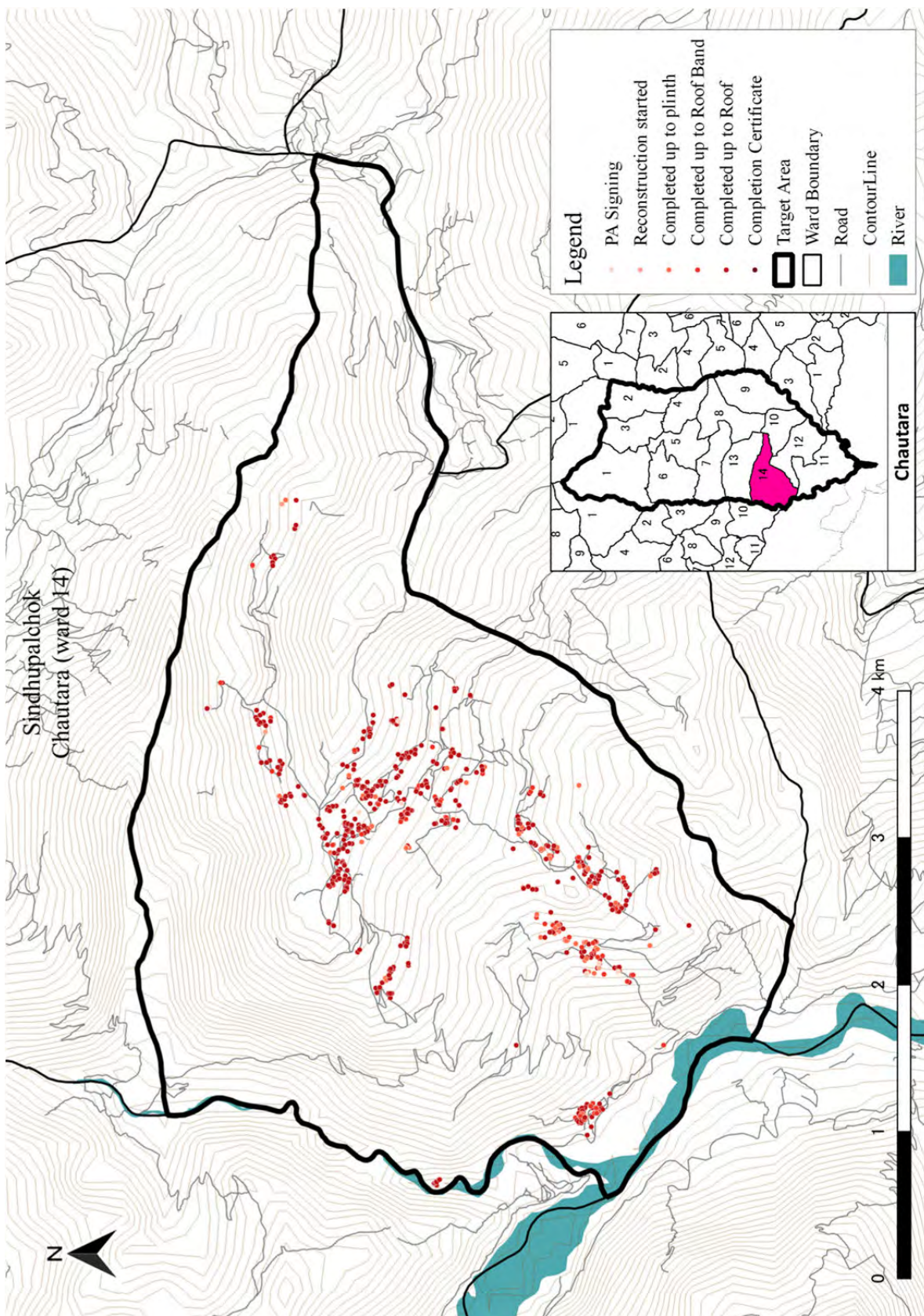


Figure B. 46 Progress of Chautara (Ward 14), Sindhupalchok

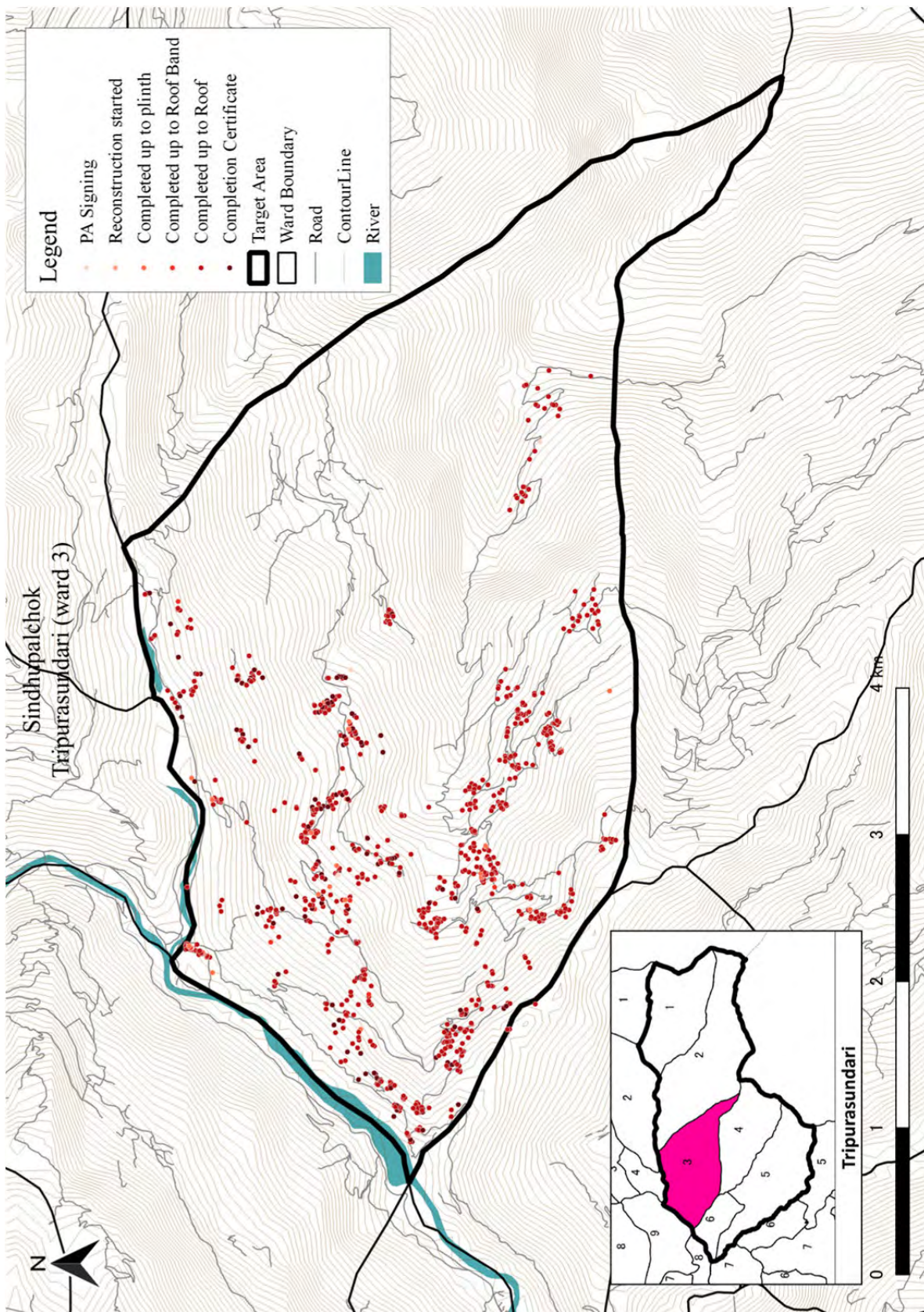


Figure B. 47 Progress of Triipurasundari (Ward 3), Sindhupalchok

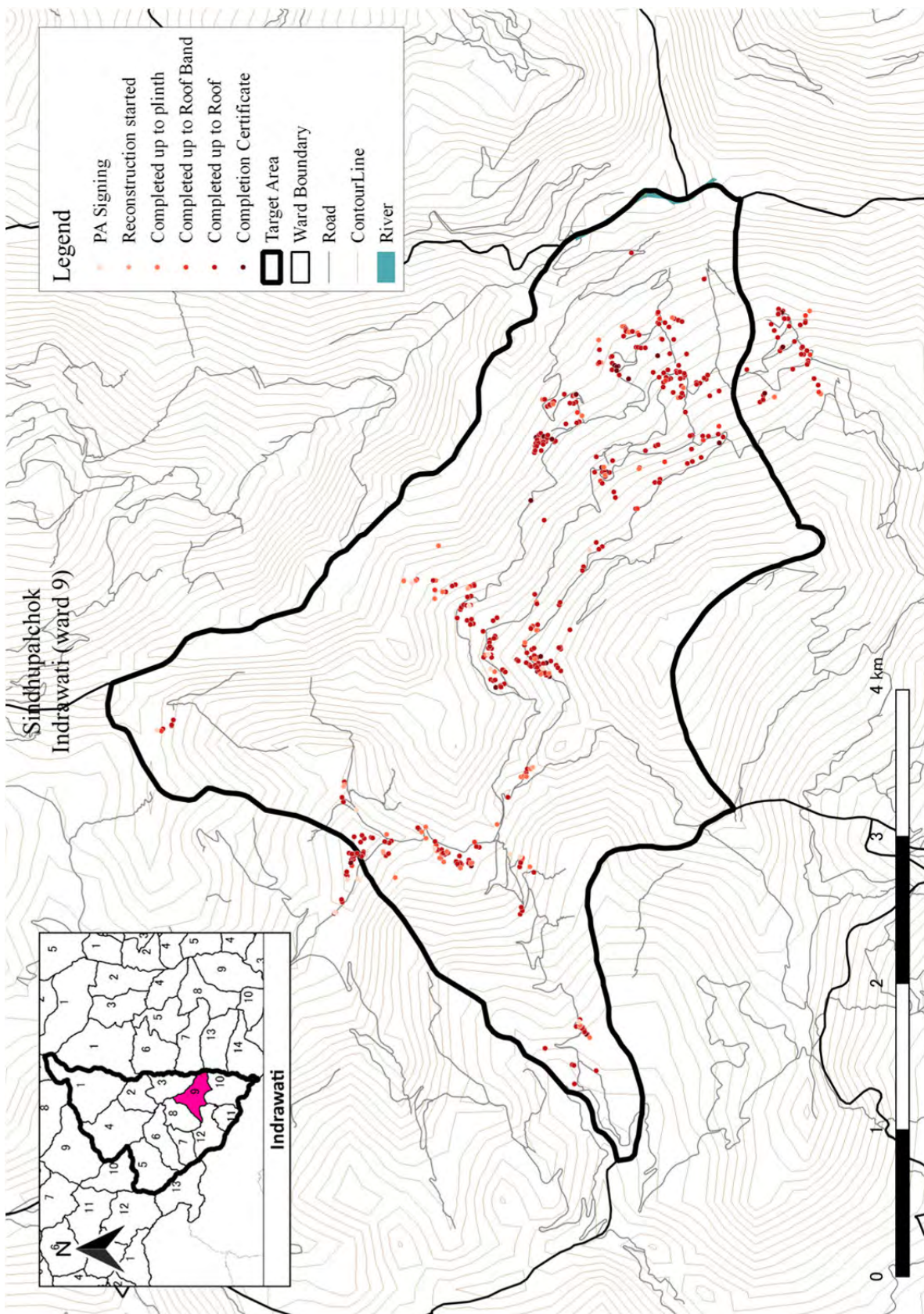


Figure B. 48 Progress of Indrawati (Ward 9), Sindhupalchok

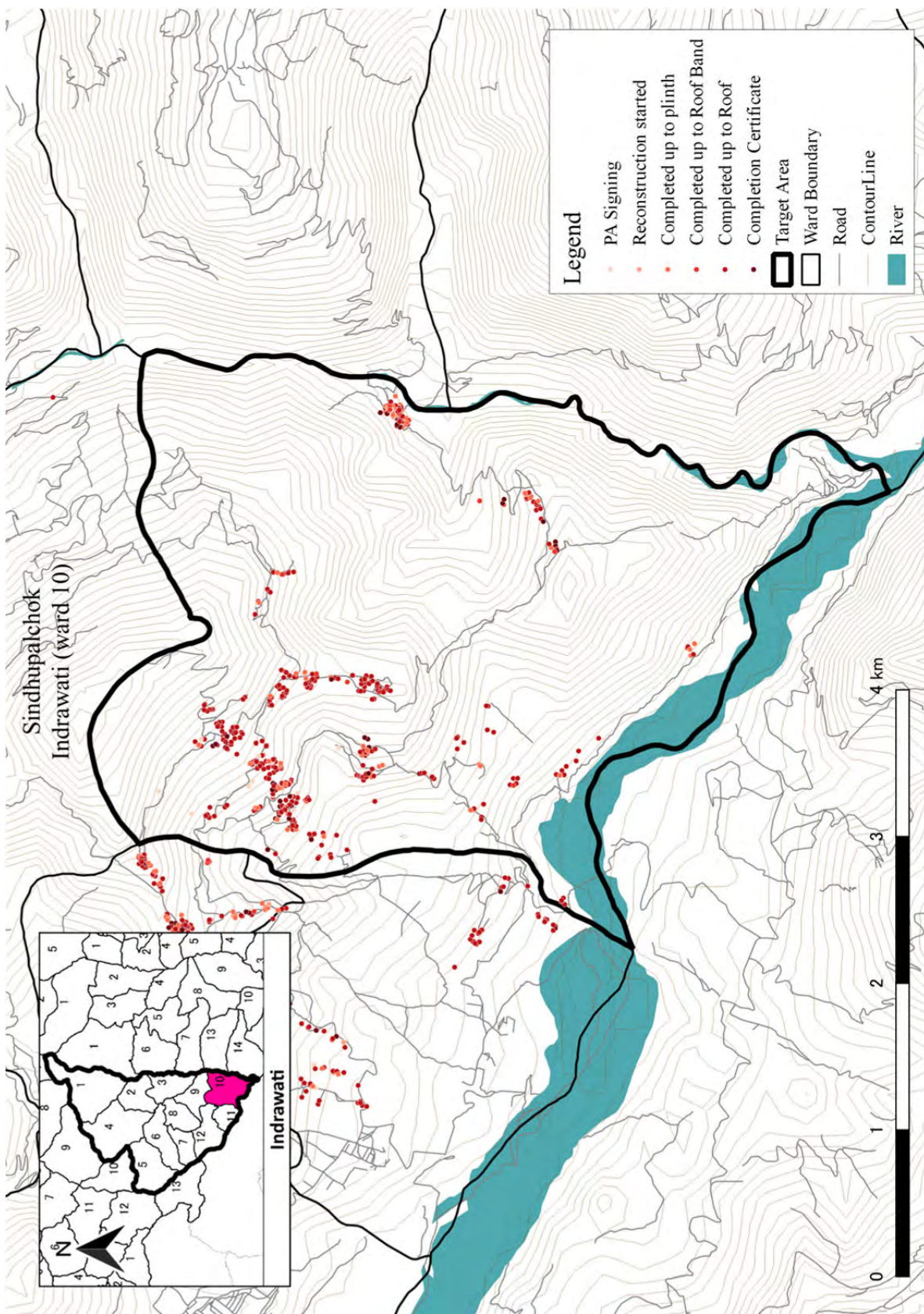


Figure B. 49 Progress of Indrawati (Ward 10), Sindhupalchok

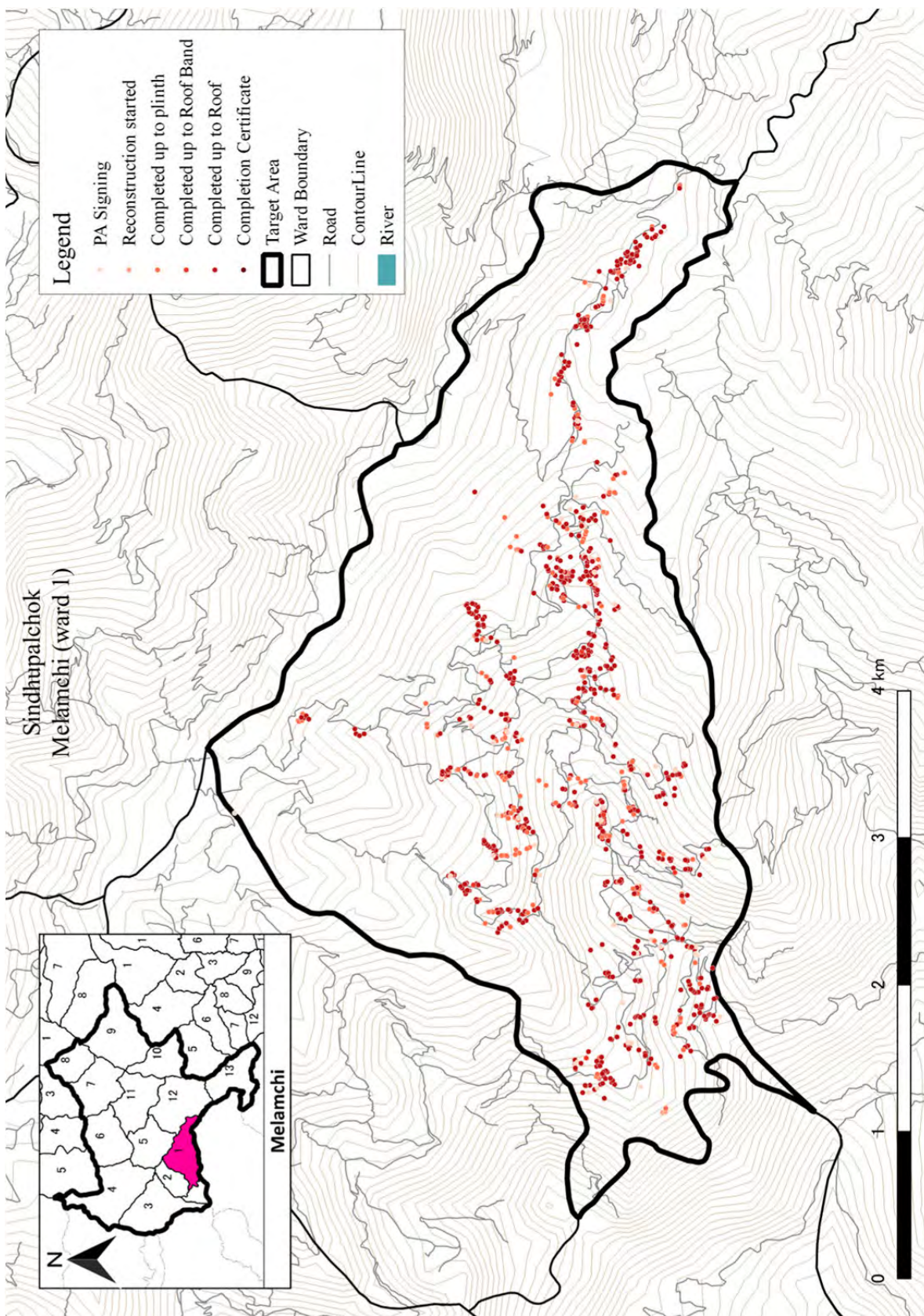


Figure B. 50 Progress of Melamchi (Ward 1), Sindhupalchok

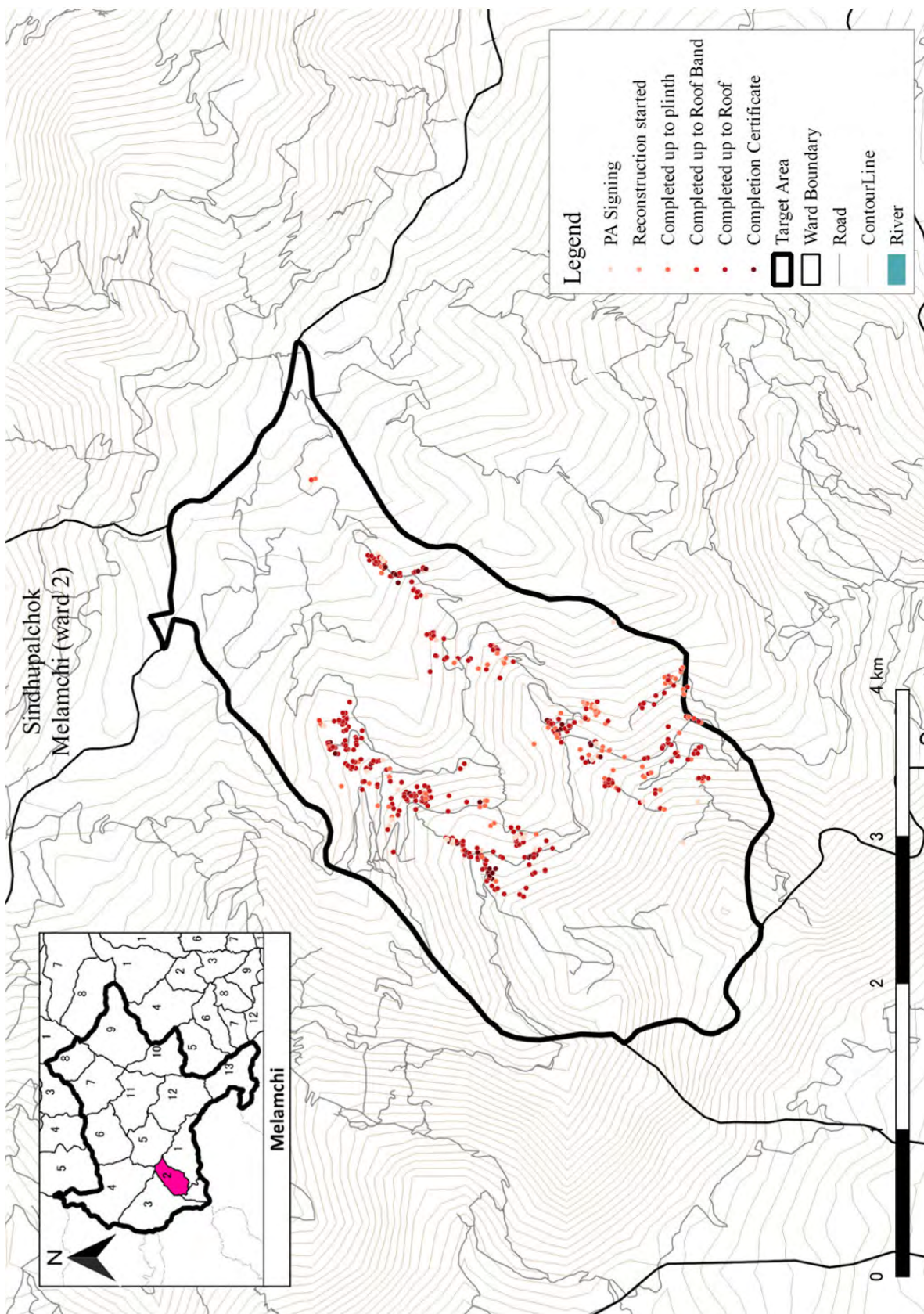


Figure B. 51 Progress of Melamchi (Ward 2), Sindhupalchok

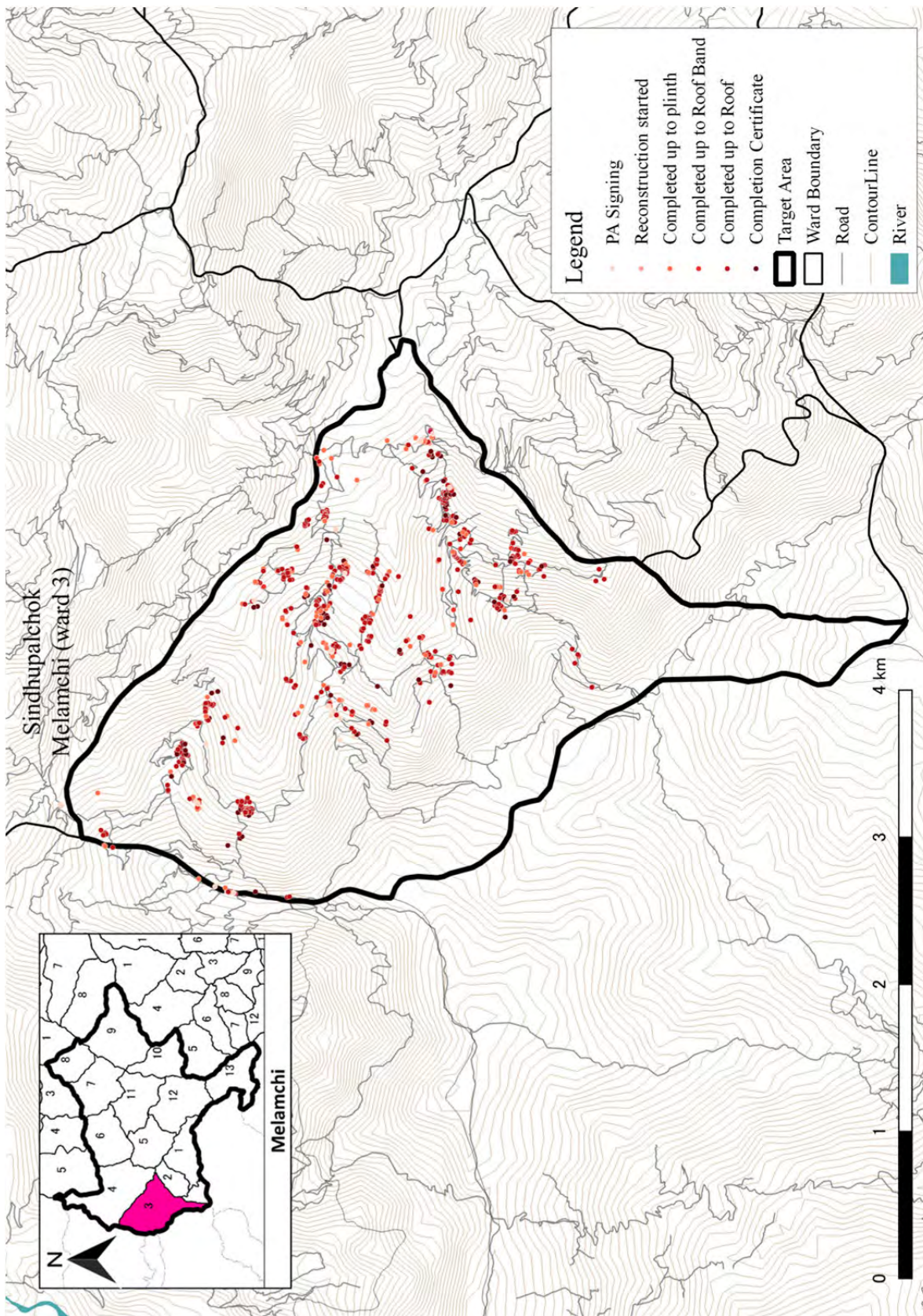


Figure B. 52 Progress of Melamchi (Ward 3), Sindhupalchok

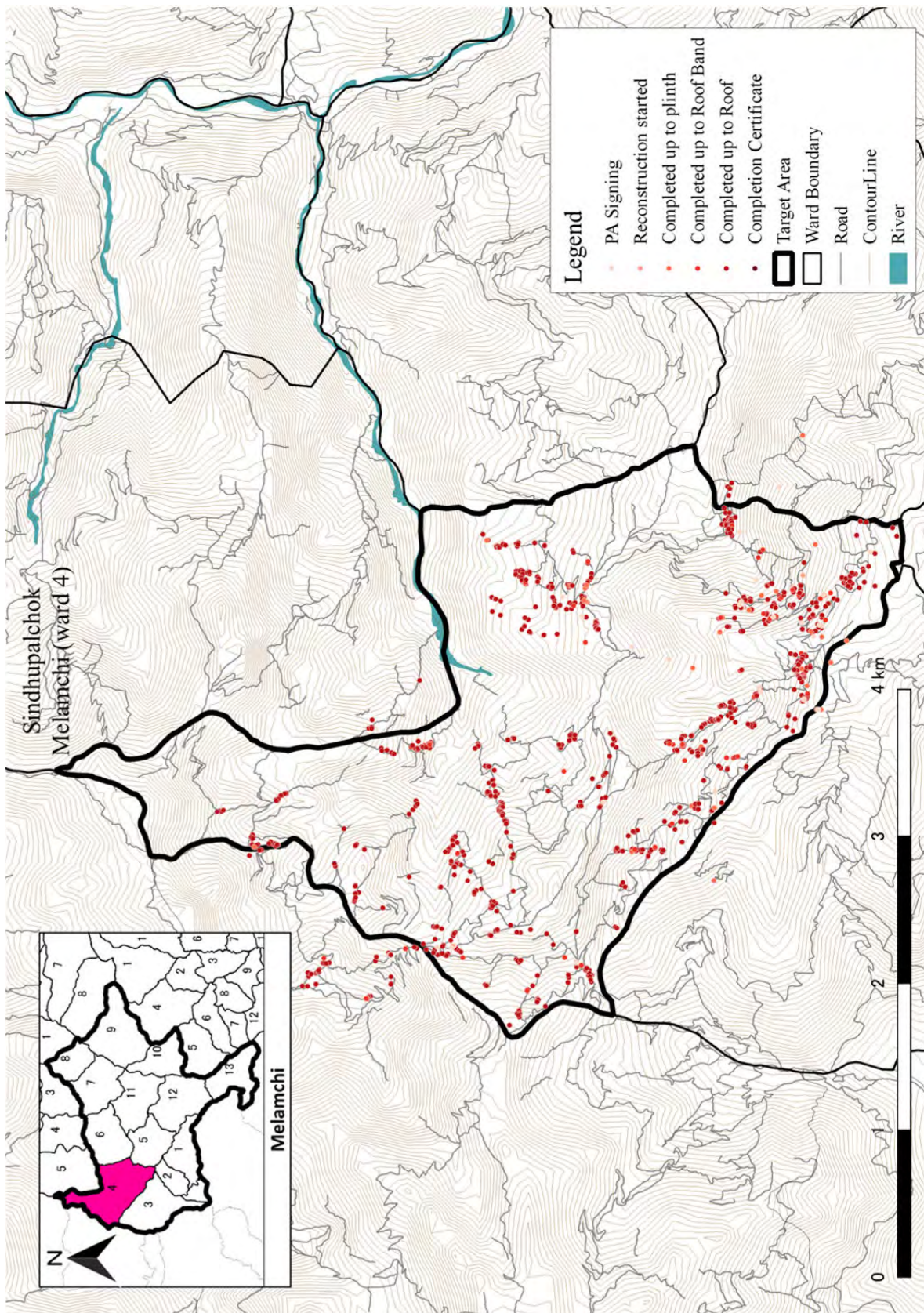


Figure B. 53 Progress of Melamchi (Ward 4), Sindhupalchok

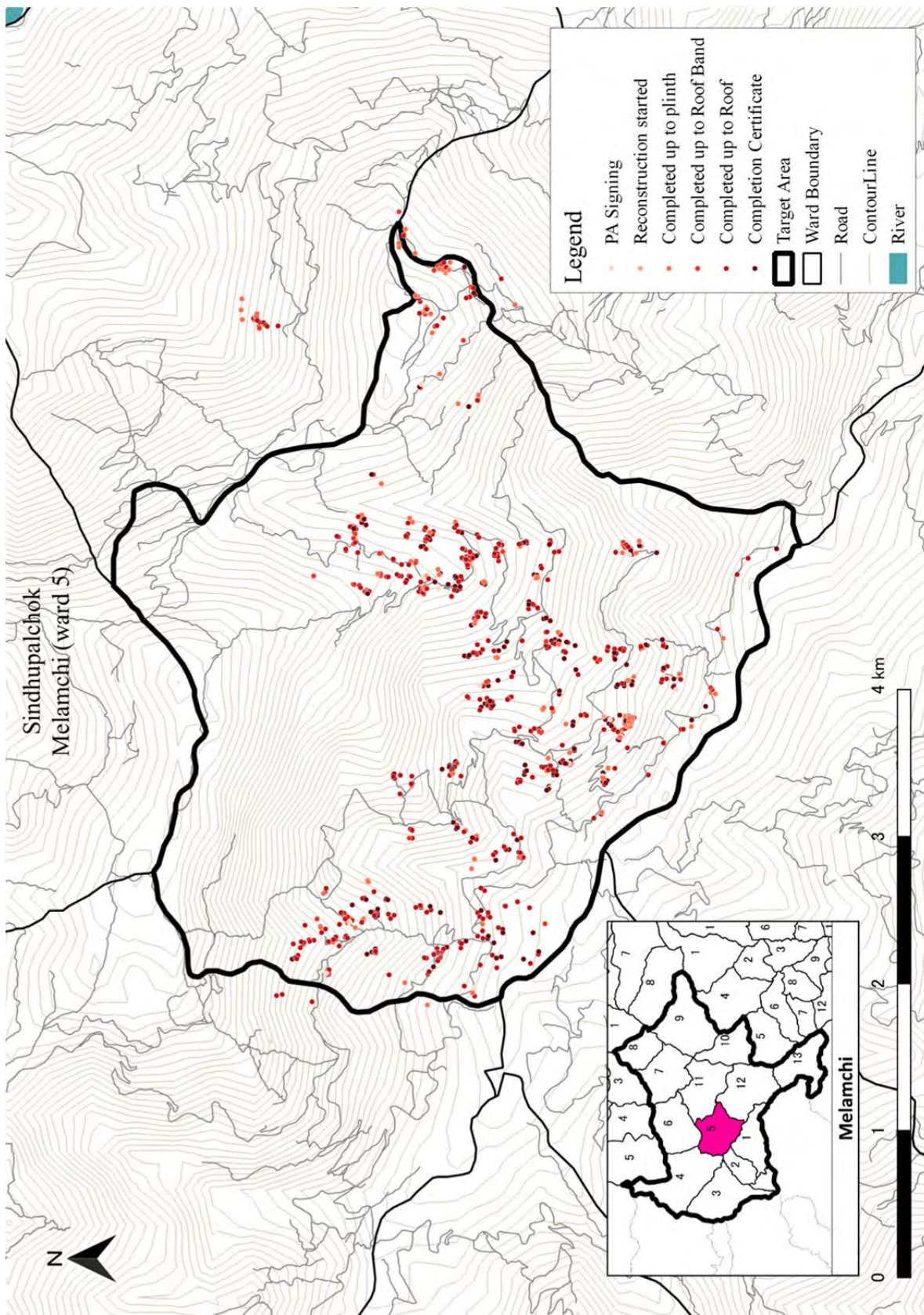


Figure B. 54 Progress of Melamchi (Ward 5), Sindhupalchok

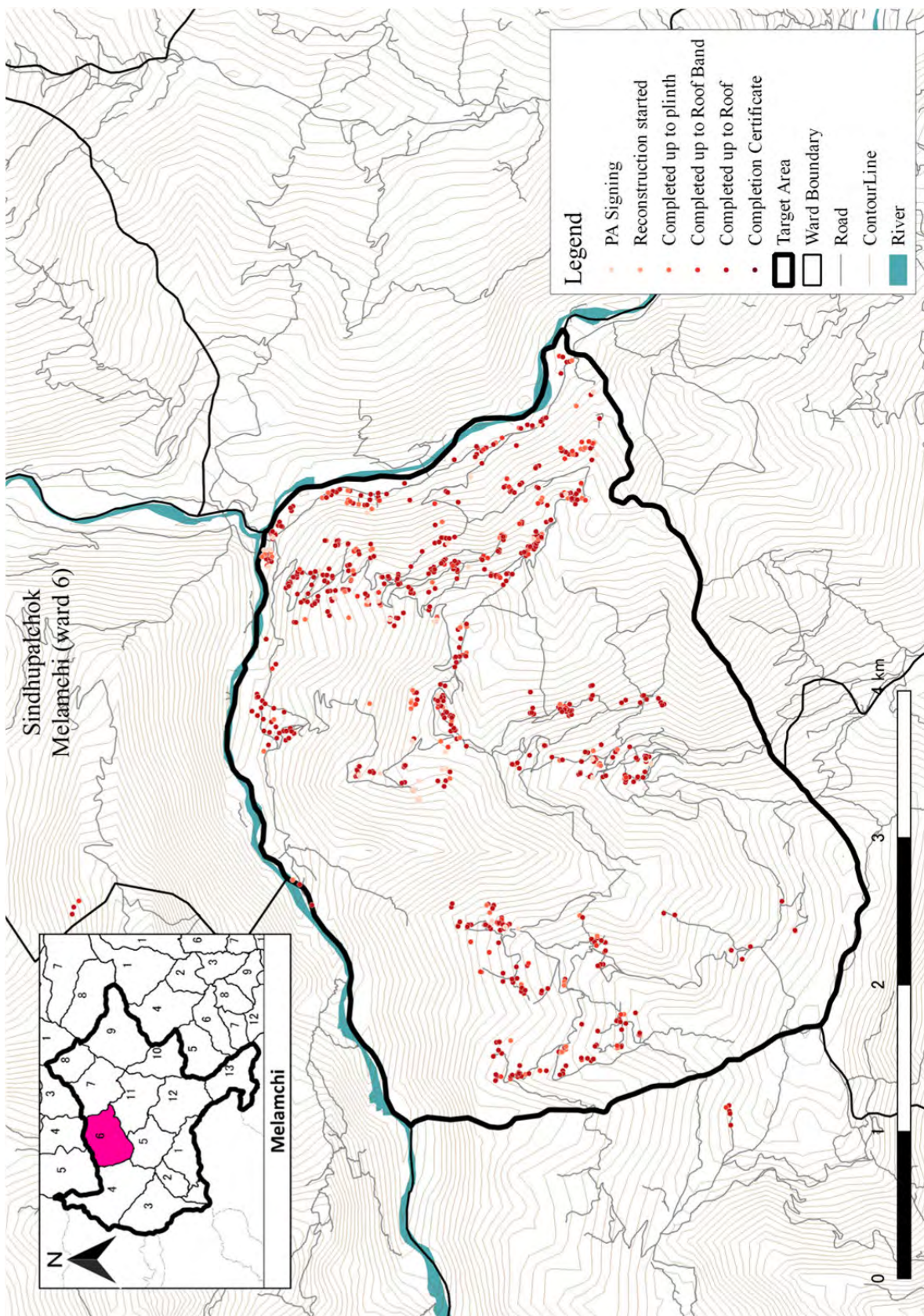


Figure B. 55 Progress of Melamchi (Ward 6), Sindhupalchok

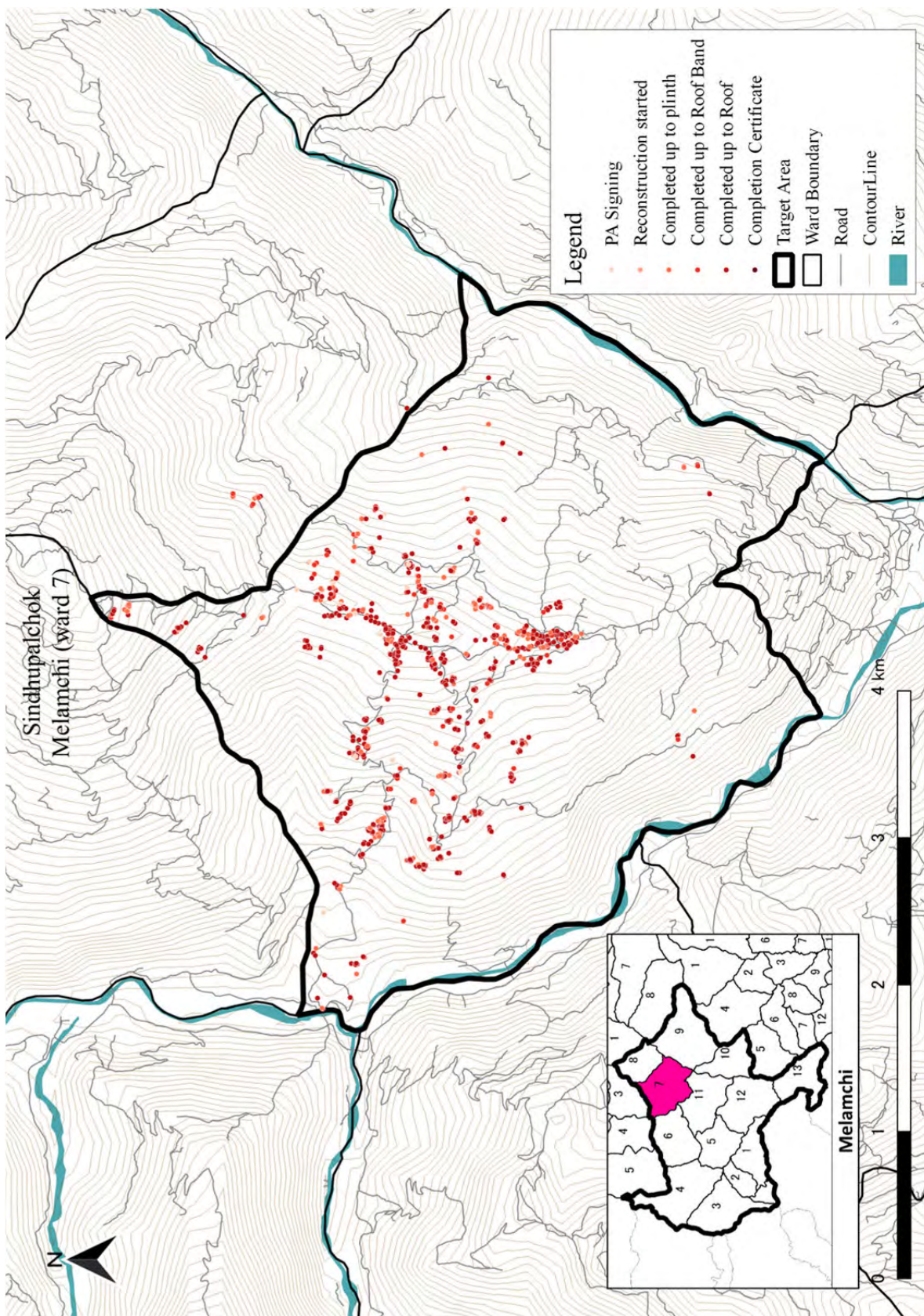


Figure B. 56 Progress of Melamchi (Ward 7), Sindhupalchok

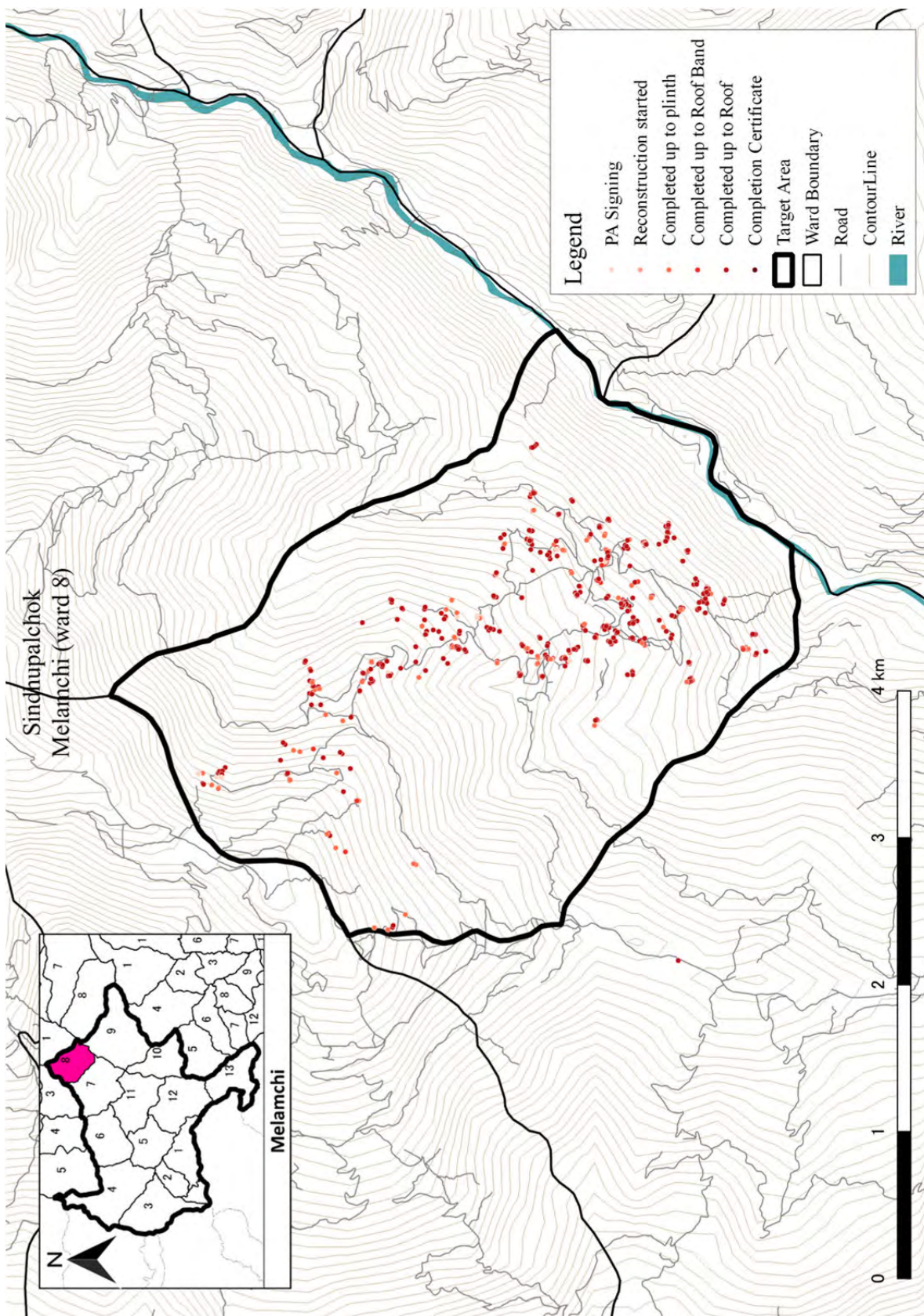


Figure B. 57 Progress of Melamchi (Ward 8), Sindhupalchok

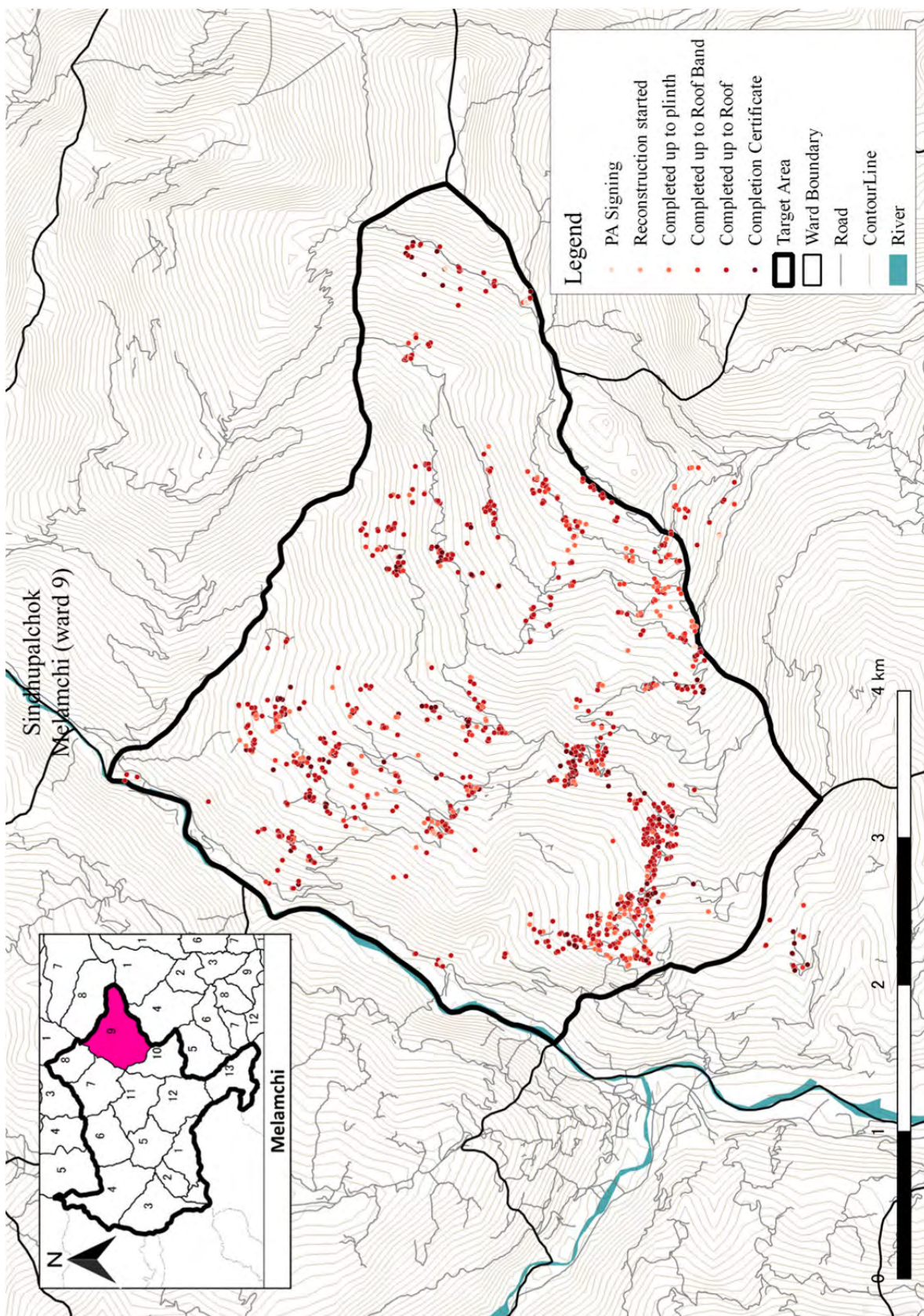


Figure B. 58 Progress of Melamchi (Ward 9), Sindhupalchok

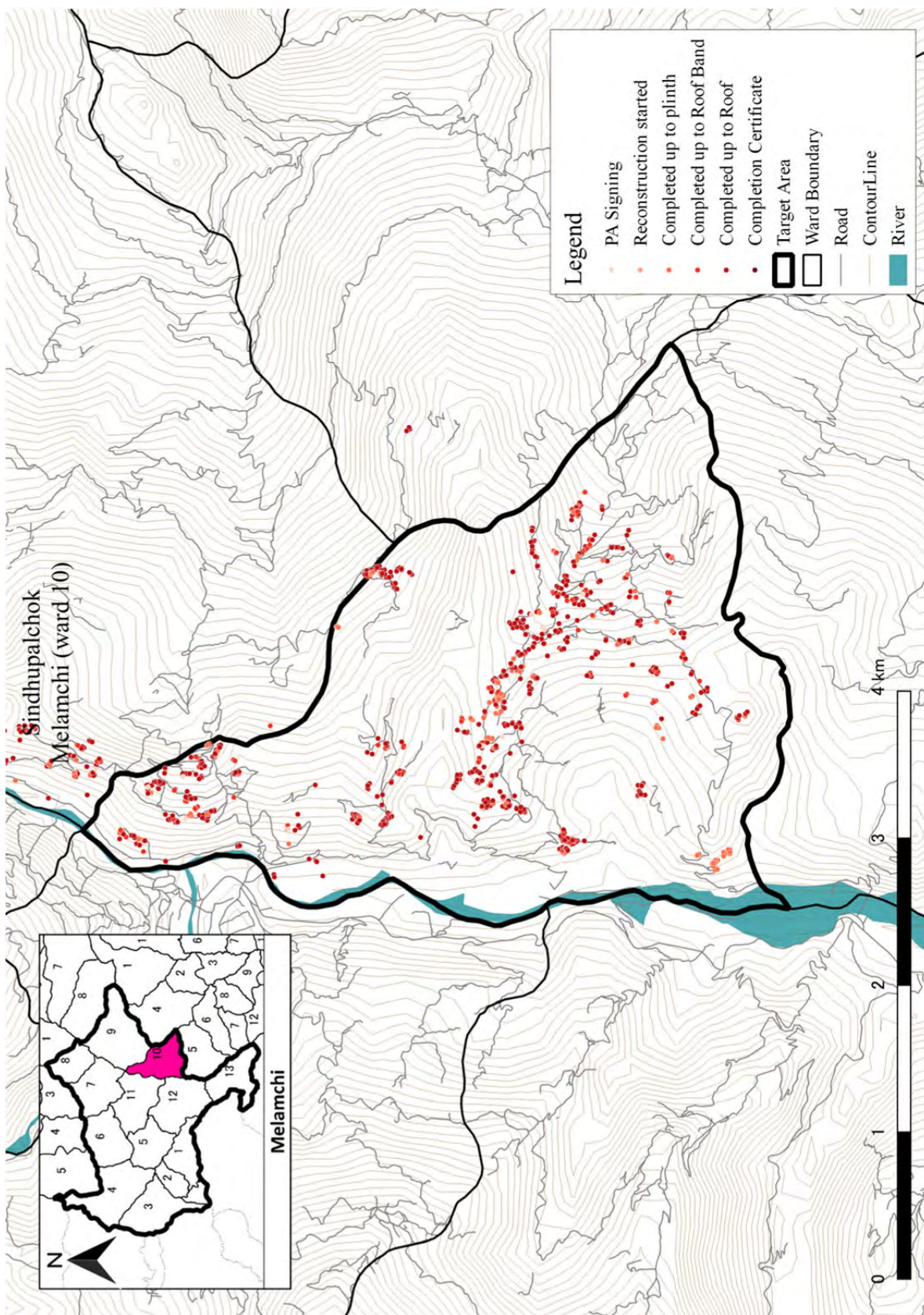


Figure B.59 Progress of Melamchi (Ward 10), Sindhupalchok

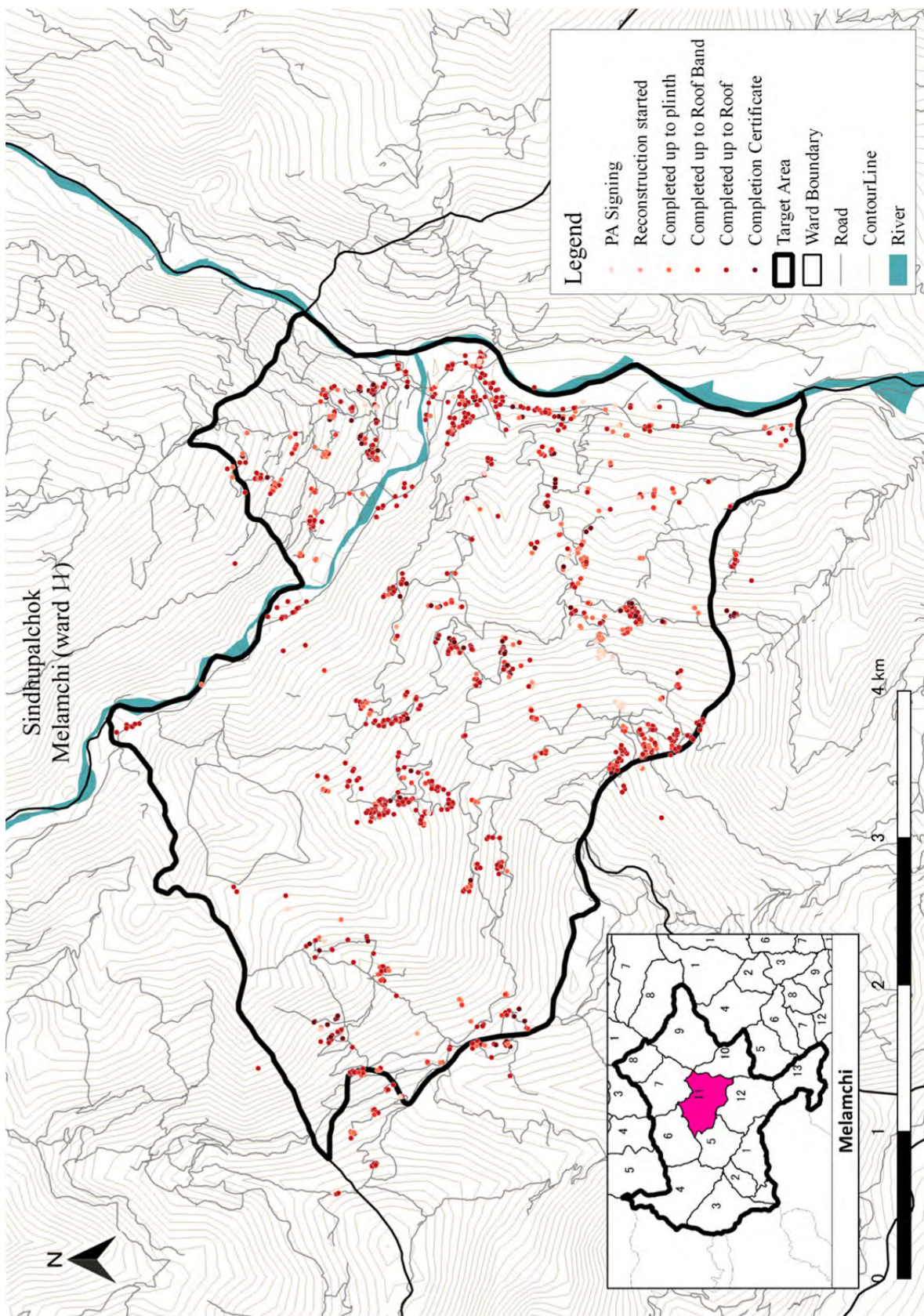


Figure B. 60 Progress of Melamchi (Ward 11), Sindhuupalchok

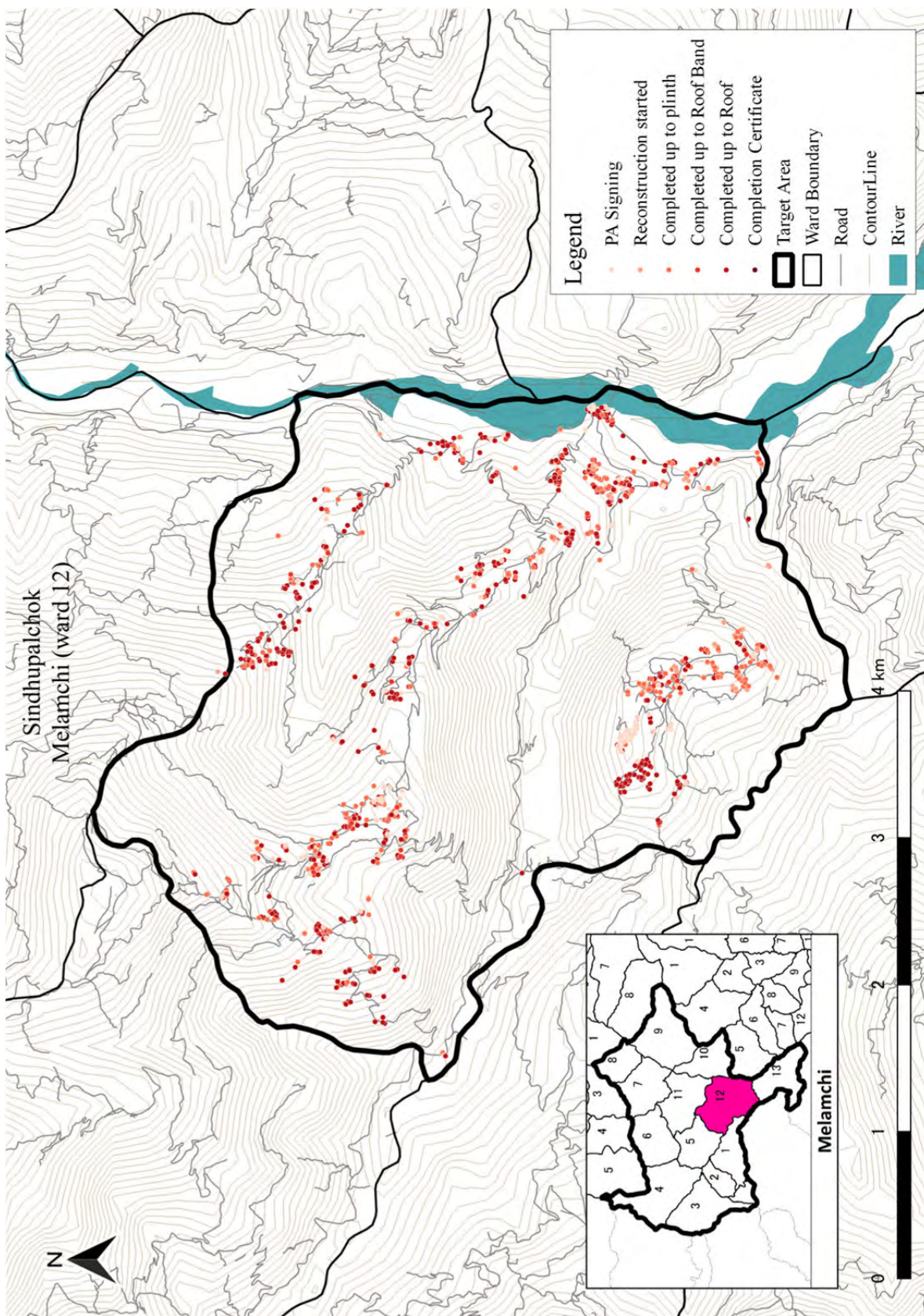


Figure B.61 Progress of Melamchi (Ward 12), Sindhupalchok

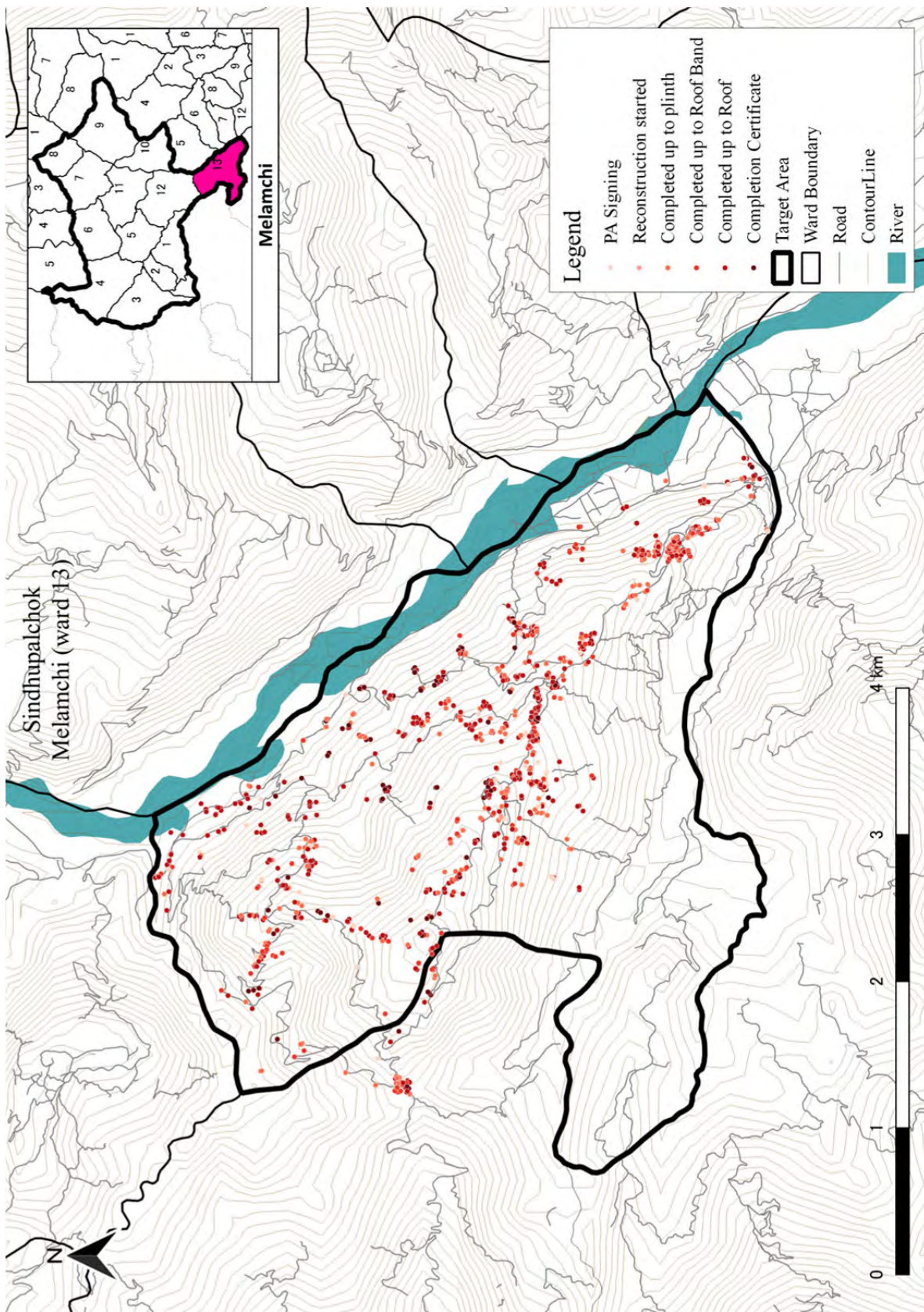


Figure B.62 Progress of Melamchi (Ward 13), Sindhupalchok