



Atlas général des réseaux de la Pierre Saint-Martin / Larra

Développement : 84189 m, *dénivellation* : 1507 m (*altitudes* : 2124m - 617m)

Explorateurs : CDS 79, ARSIP, Amalgame, C.R.S., CESAME, CRS, E.R.C.C.C.E., EEGC, ExploTerre, FLT, G.S. Forez, S.C. Franconville, S.C. Gascogne, G.S. Gaves, Geckos, Interclubs Gouffre des Partages, Taupes Grotteuses, G.S. Haut-Pyrénéen, G.S. Hautes-Pyrénées, S.C. Loudun, S.C. Oreillard, U.S. P.A., S.C. Poitevin, G.S. Quercy, SCMNF, Clan des Tritons 1971 – 2025

Topographes : Sébastien Alleman, Séverine Andriot, Jacques Bauer, Richard Bednarek, Rémi Bertrand, Paul.De Bie, Eric Borsari, Christian Bouillol, Daniel Bourdier, Alain Bressan, D. Briard, D. Butaeye, Laurent Cadhilac, Serge Caillault, David Cantalupi, Gérard Casenave, Julien Cero, Gilbert Chapard, Brigitte Choze, Antoine Cloutour, Jean-Claude Coppenolle, L. Core, S. Cotte, Joël Coucourron, Bastien Courtier, Malo Courtier, Johan Culot, Joël Danflous, Daniel Danus, Denis Danus, Anouk Darne, Fabien Darne, Patrick Degouve, Benat Delanghe, Thierry Delavaloire, Jean-Claude Dobrilla, Alain Dole, Marie-Claude Douat, Michel Douat, P. Doumenjou, Christian Drevet, Thierry Ducros, Jean Duplantier, Philippe Ecorce, Matthieu Egels, Stéphane Emmer, Jean-Michel Escandre, Marina Ferrand, Laurent Festor, Serge Foin, Pierre-Henri Fontespis-Loste, Eric Fèvre, Bruno Garnier, Olivier Garnier, Olivier Gaspé, Philippe Germain, Phillipe Germain, Denis Gibelin, Christian Girault, Christian Godeas, C. Godéas, Jean-Philippe Grandcolas, Jean-Max Guesdon, Gilles Guihaudin, Gregory Guillaume, Philippe Guillemain, Gilles Guyon, Laurent Hagnere, Akim Hamdi, Bertrand Hamm, Bertrand Houdeau, Annette.Van Houtte, François Ichas, Anne Johannet, Jean-Luc Kruszyk, Laurent Kruszyk, Philippe Labregere, Vincent Lacombe, Guy Lamure, Guillaume Lapie, Serge Latapie, Michel Lauga, R. Lejeune, Françoise Lidonne, Pierrick Liennard, Frédéric Loiseau, F. Maciejak, Laurent Maldes, Alain Marbach, Jo Marbach, D. Marion, Lambert Martin, Jean-Marc Mattlet, Philippe Monteil, Alain Moreau, C. Nemo, Alain Papillard, E. Pastre, Bruno Paul, Odile Penot, Alain Perré, Bruno Petit, Bernard Plan, Emmanuel Pluchard, Fabrice Poncot, Alexandre Pont, Emma Pont, Laurent Ponthus, Fabrice Ponçot, Pascale Porte, Benoît Poss, Marc Pouilly, Fabrice Pradines, Aude Priem, Serge Puisais, Philippe Rabatel, Pascal Reig, Lise Reix, Evelyne Renaud, Benjamin Richard, Mathéo Robert, Jean-François Rodriguez, Raphaël Rouanet, Gilles Rousson, Jean-Luc Rouy, Patrick Roy, Janet Saumet, Jean-Jacques Savigny, Claude Schaan, Pierre Senon, Franck Soulage, Michel Soulier, A. Stepanian, Gilbert Syllebranque, Guy Sévenier, Paul Tagliana, Bernard Thomasserry, R. Tilhac, P. Tresse, Flavie Vampouille, Mélanie Vatin, Olivier Venaut, Vincent Verdon, Stéphane Vogrig, François Xavier 1971 – 2025

Dessinateurs : Alexandre Pont, Serge Puisais, Philippe Guillemain, Franck Soulage, Alain Bressan, Olivier Gaspé, Yvon Hénaff, François Ichas, Raphaël Rouanet, Matthieu Egels, Michel Douat, Lambert Martin, Joël Danflous, Paul De Bie, Marina Ferrand, Richard Grebeude, Carlos.J. Push 1971 – 2026

Réalisation : ARSIP

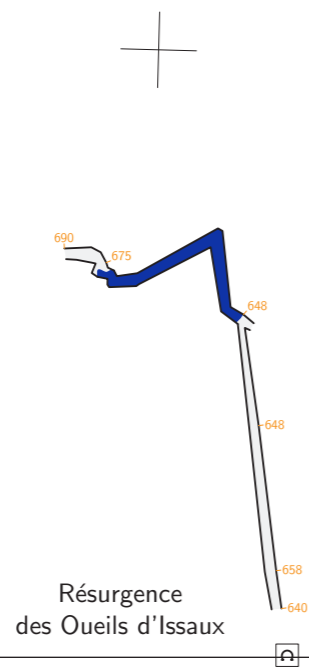
Web : <https://www.arsip.fr/>

Données : https://github.com/Alex38Lyon/Synthese-PSM_LARRA

Base de données : <https://karsteau.org/>

Synthèse : Alexandre Pont pour l'ARSIP

Compilation : Therion 6.3.4+999e03f9+dev (2026-03-16) le 21/03/2026



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

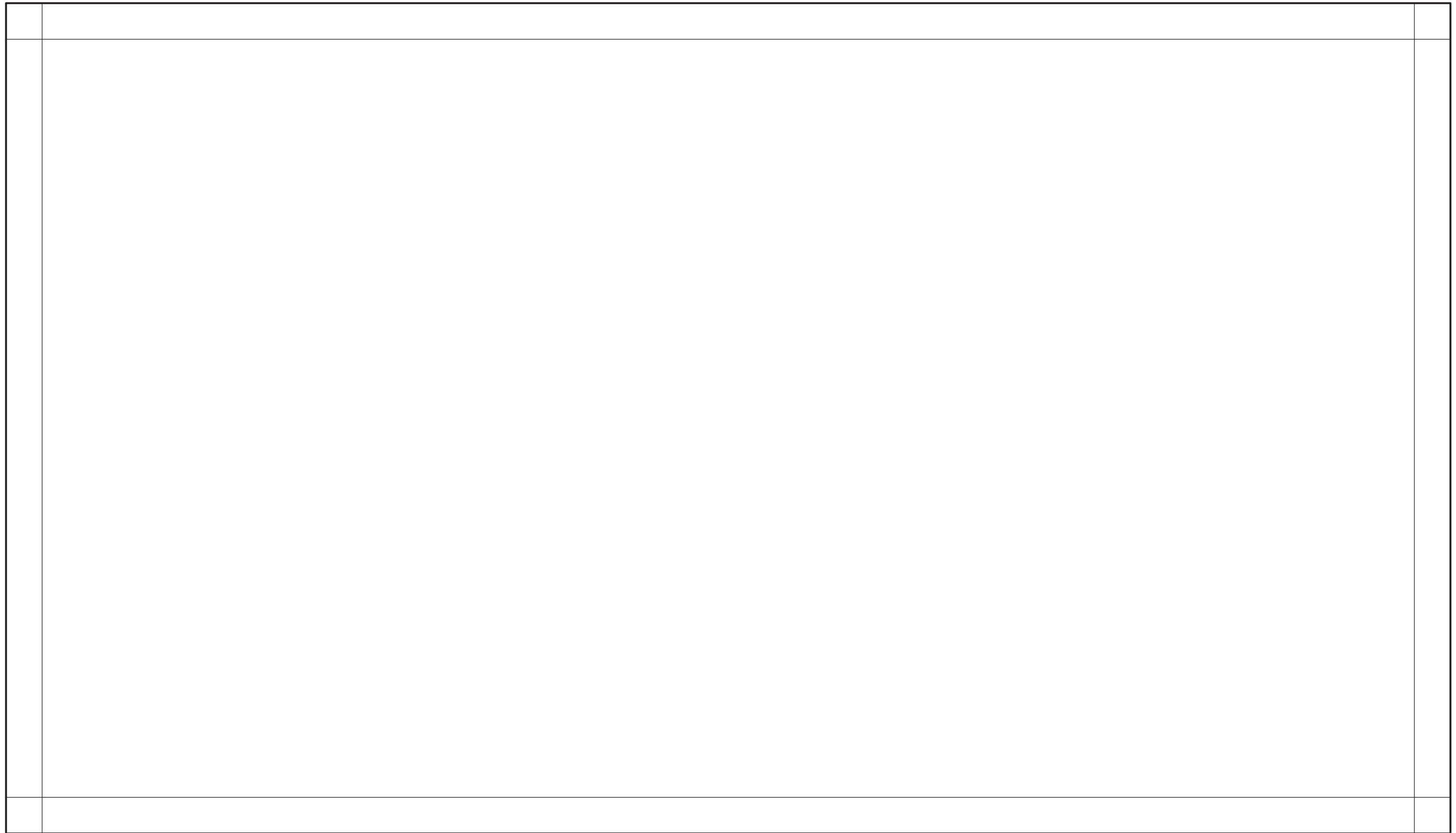


Résurgence
des Oueils d'Issaux

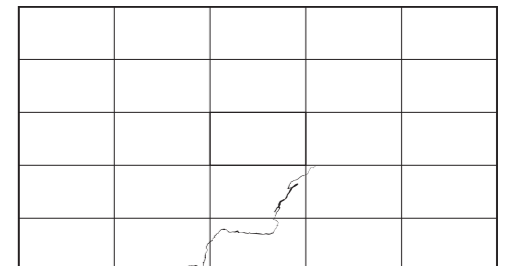


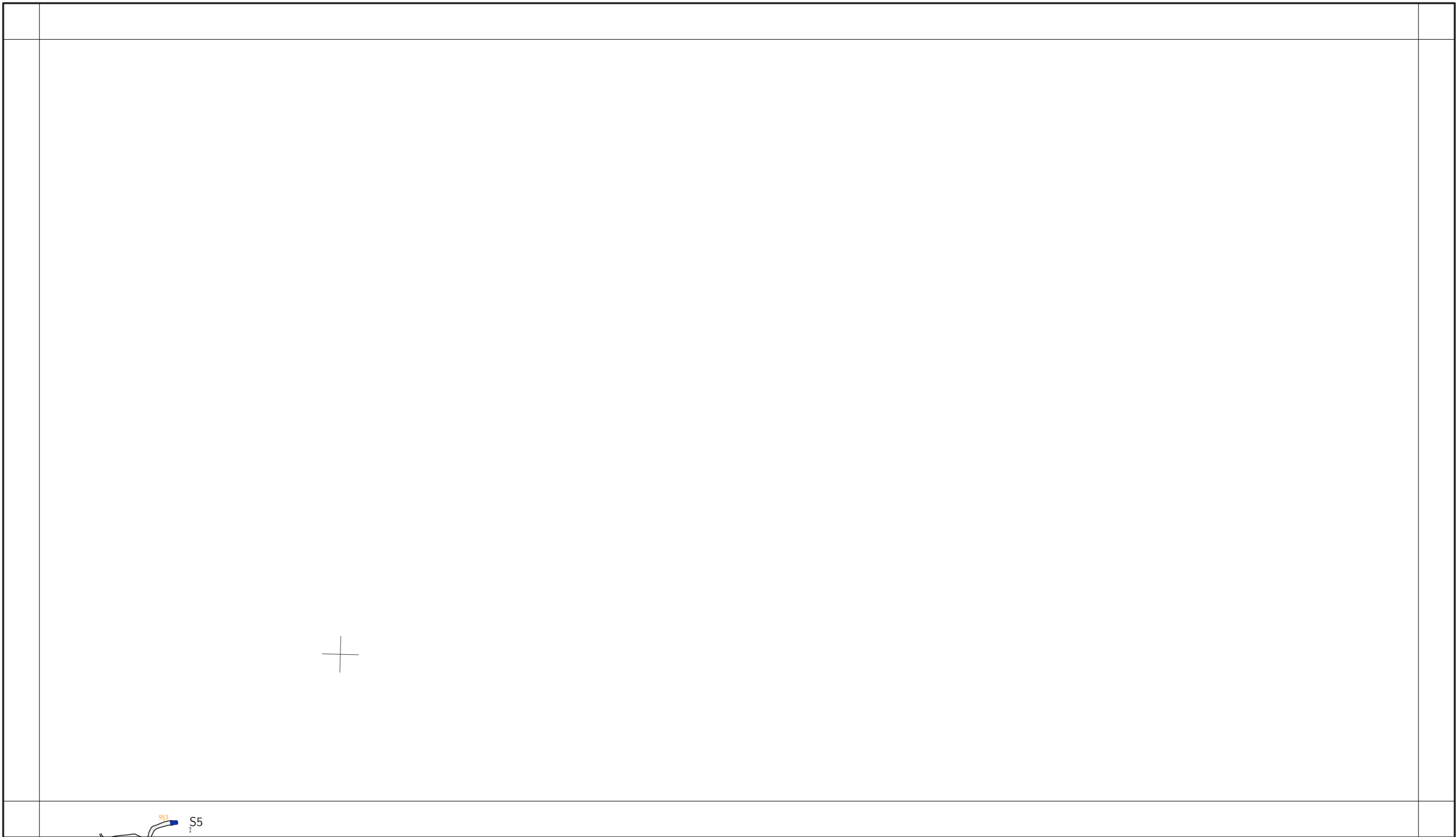
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





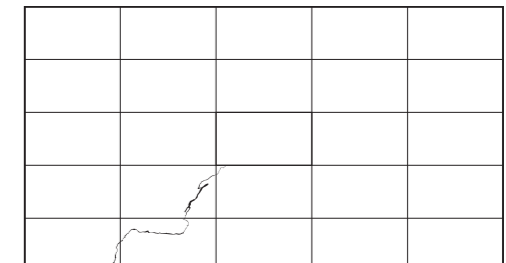
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

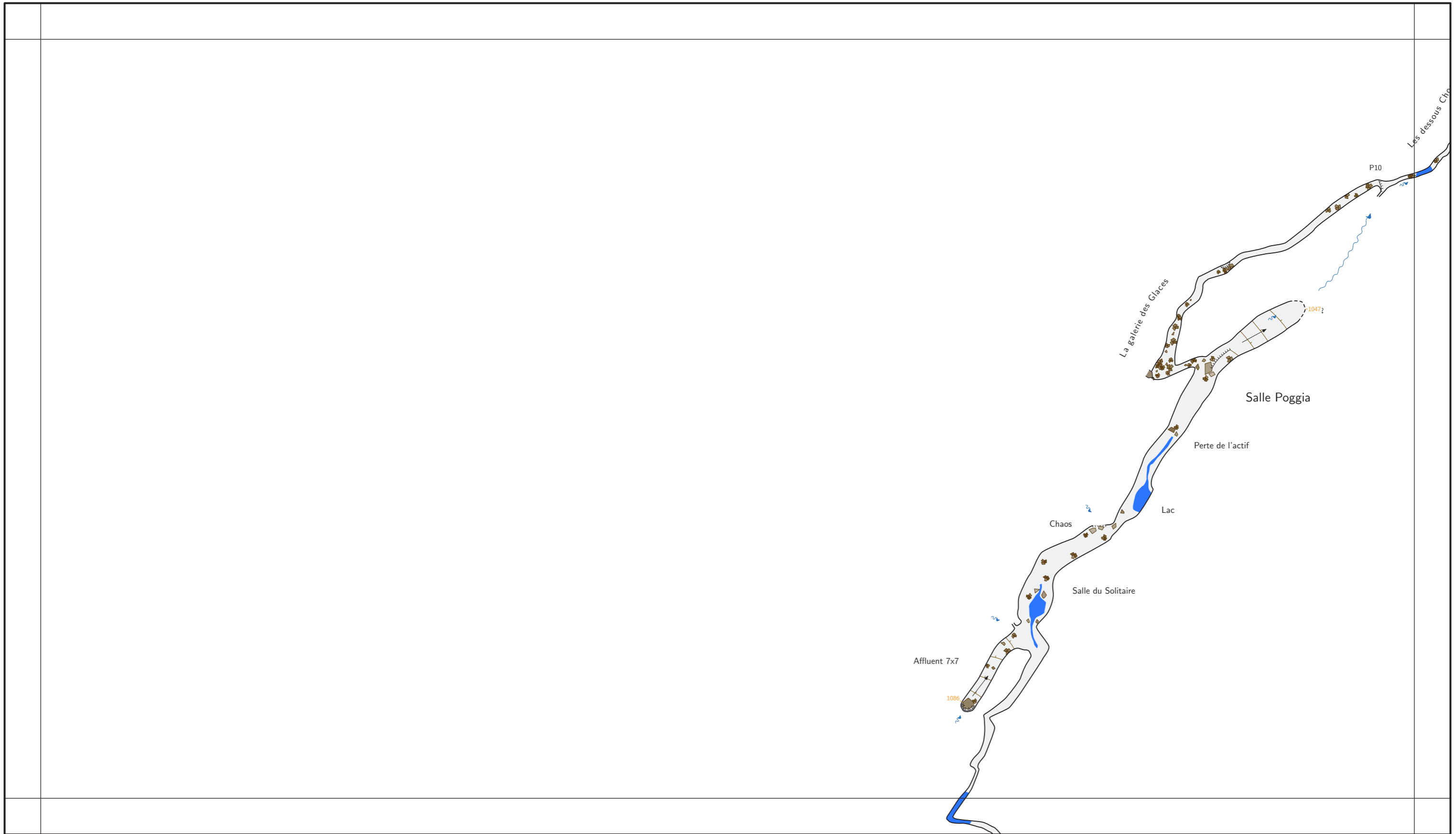




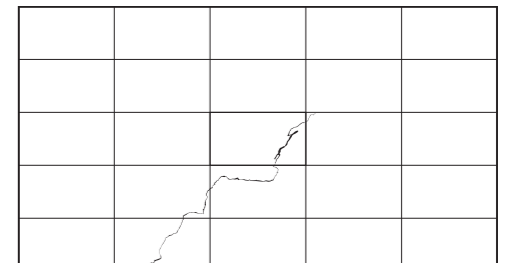
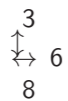
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

3
6





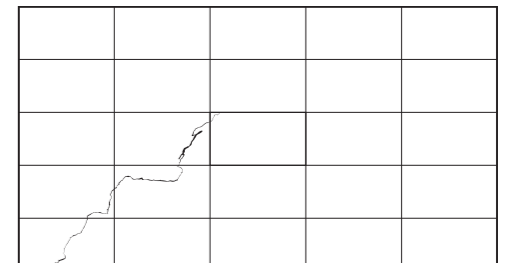
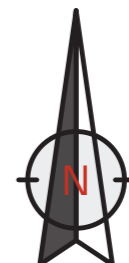
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

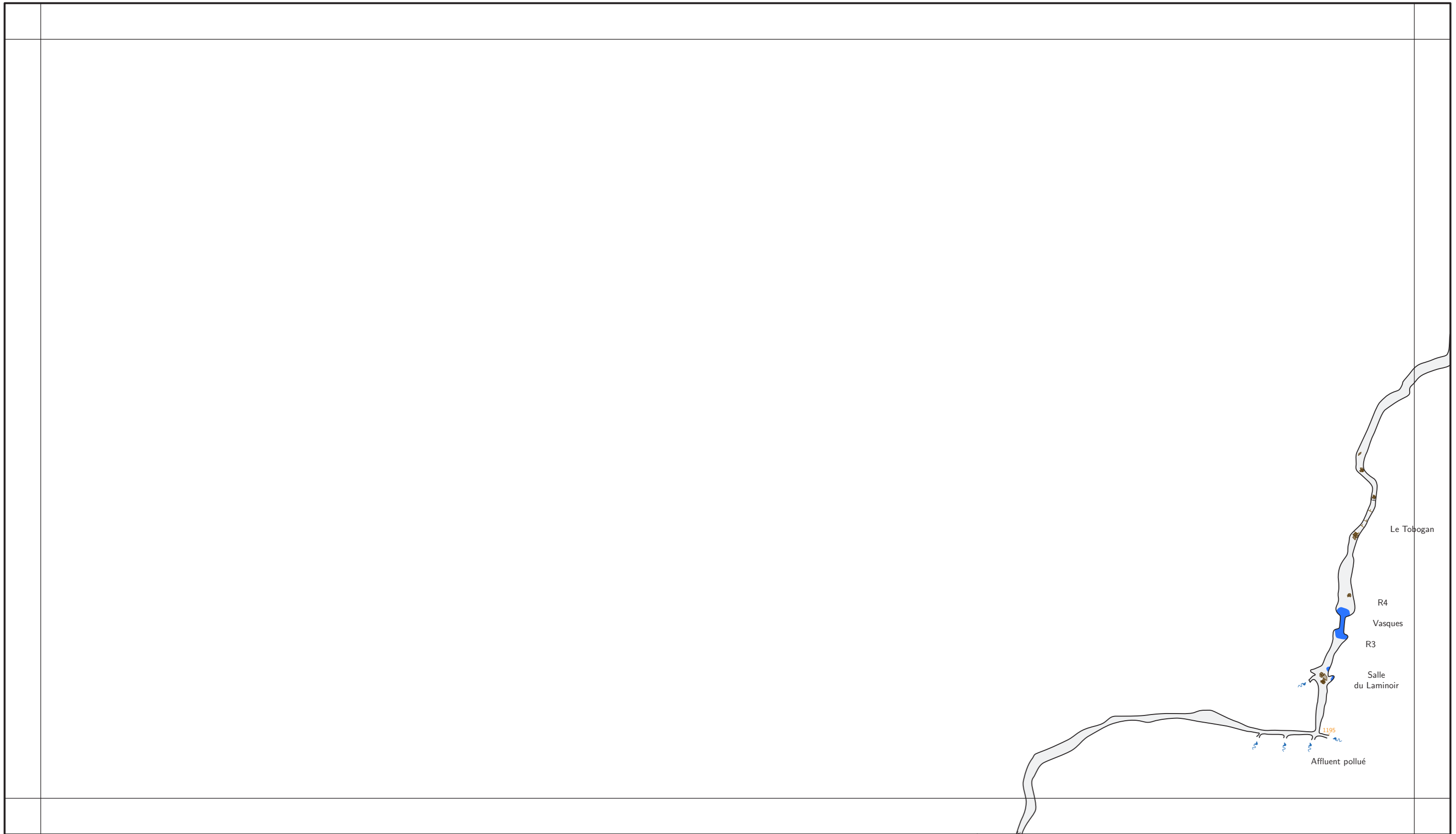




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

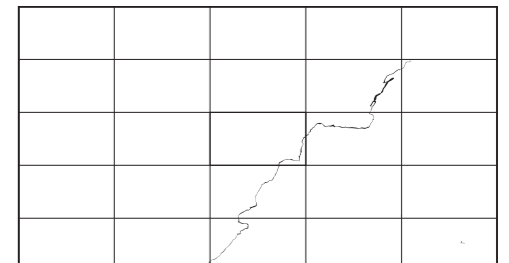
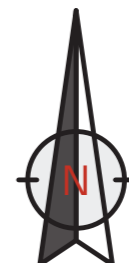
4
5

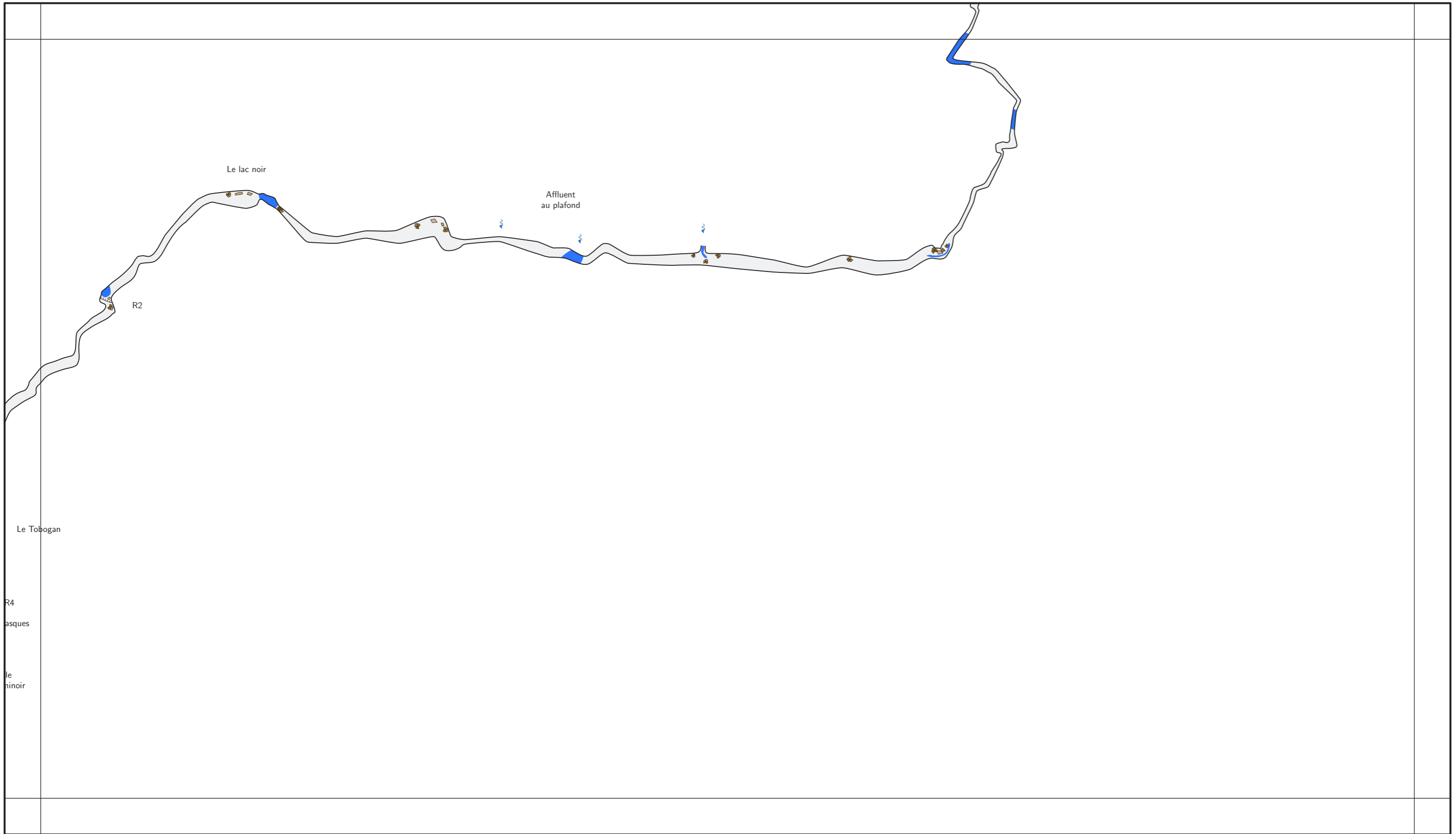




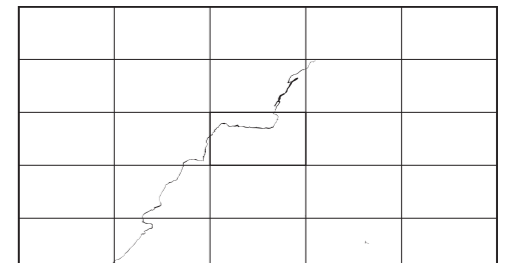
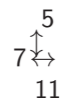
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

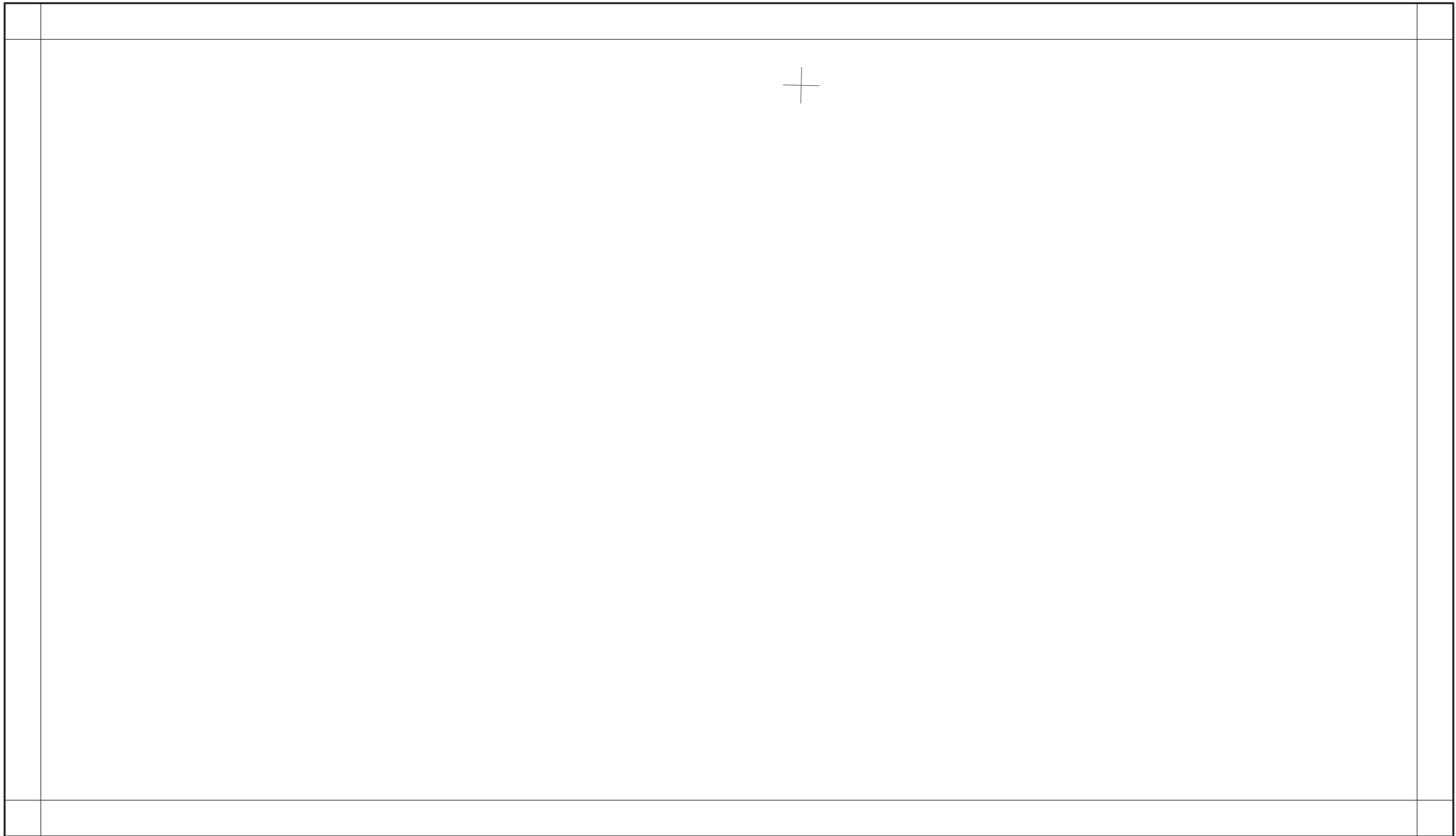
↕ 8
↔ 10



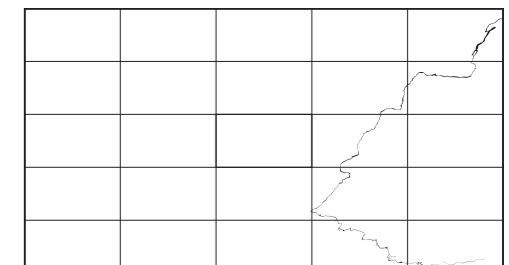


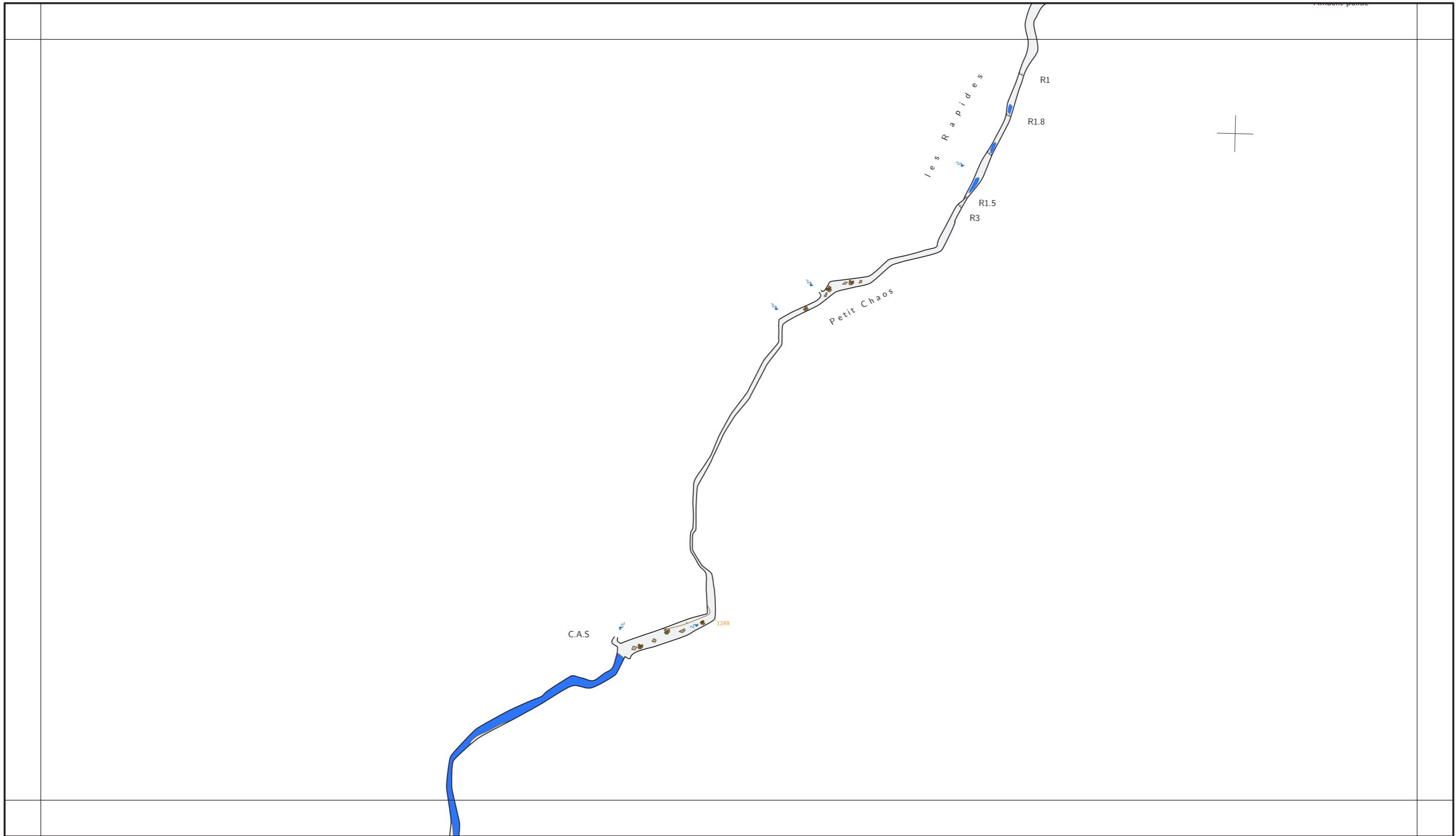
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra



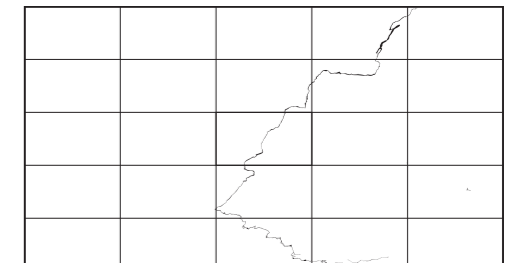
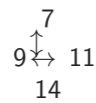


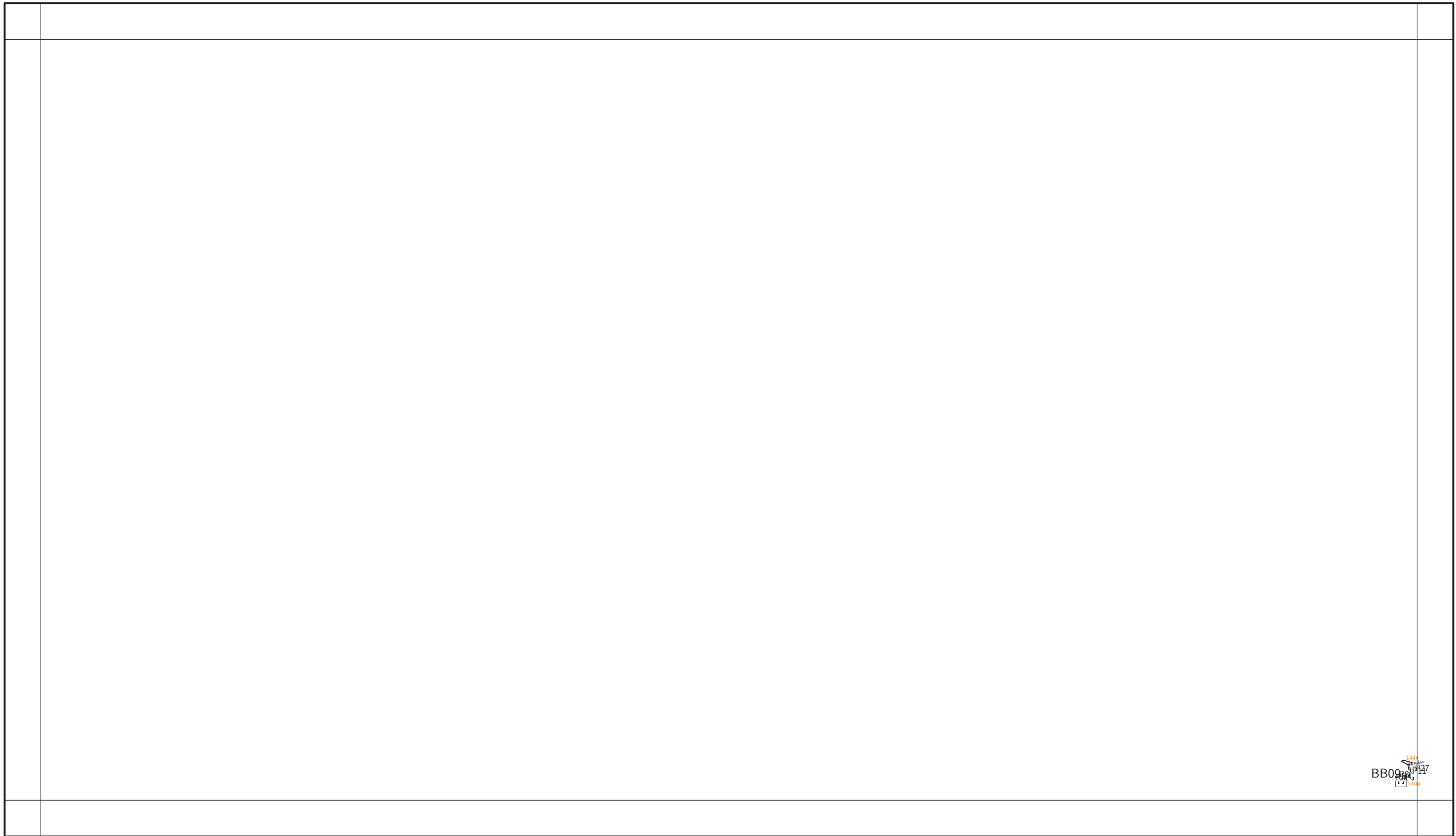
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





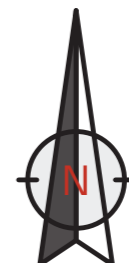
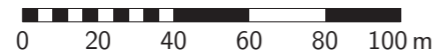
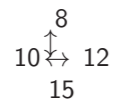
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





BB00147
144
149

Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

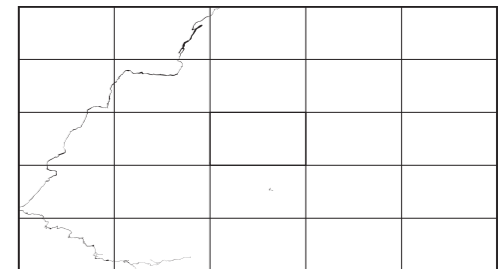




300
1444
1447
1450

Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

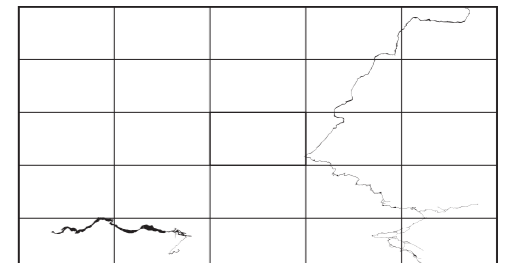
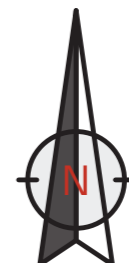
11
16

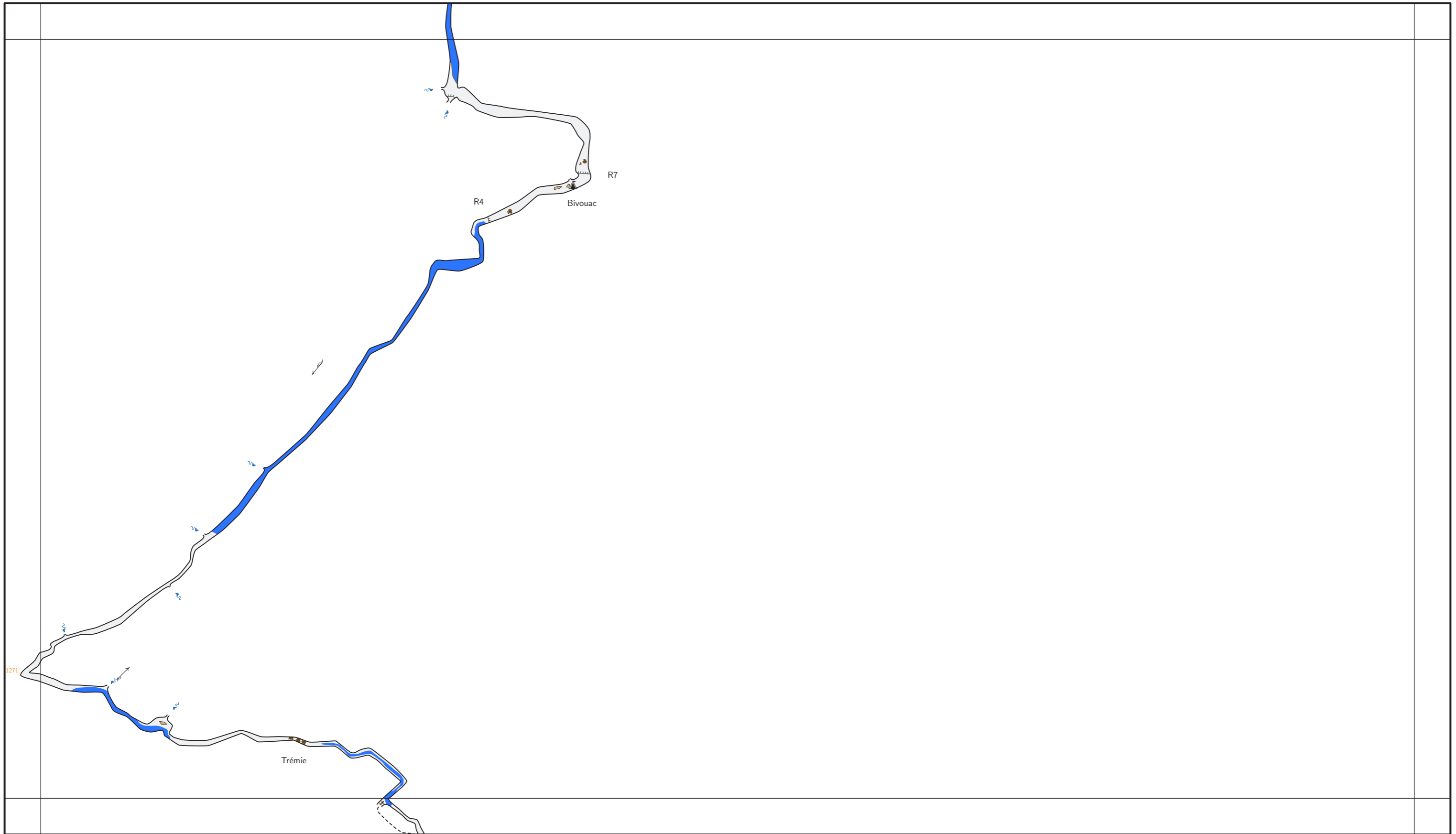




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

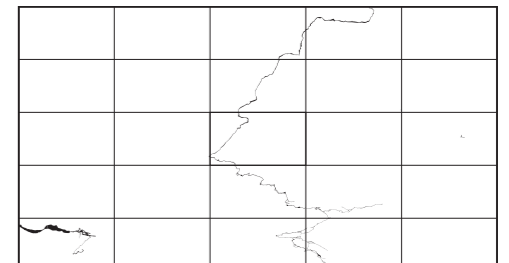
9
14
20





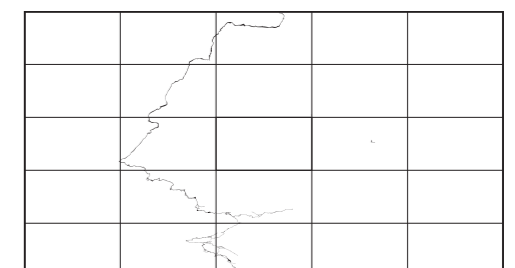
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

10
13 ↔ 15
21



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

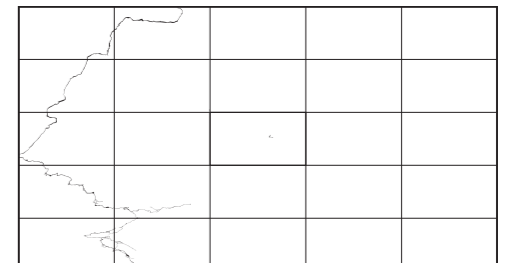
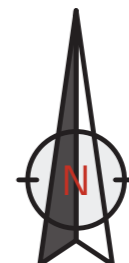
11
14 ↔ 16
22

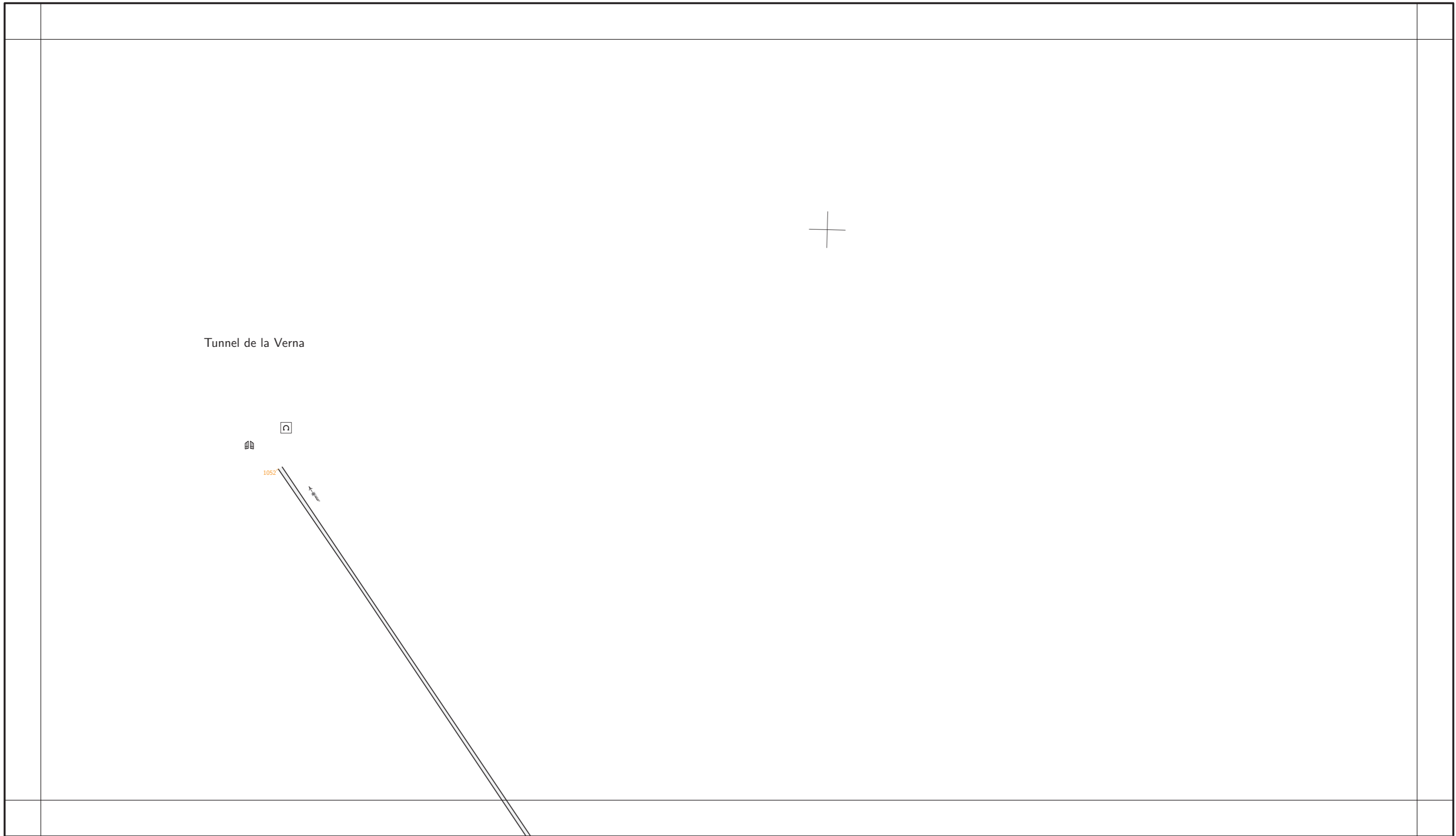




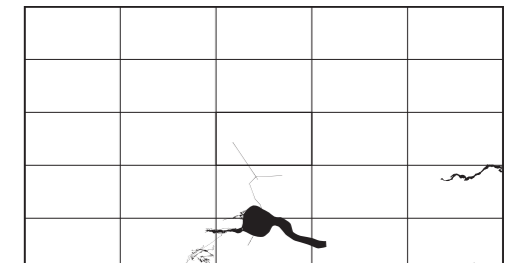
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

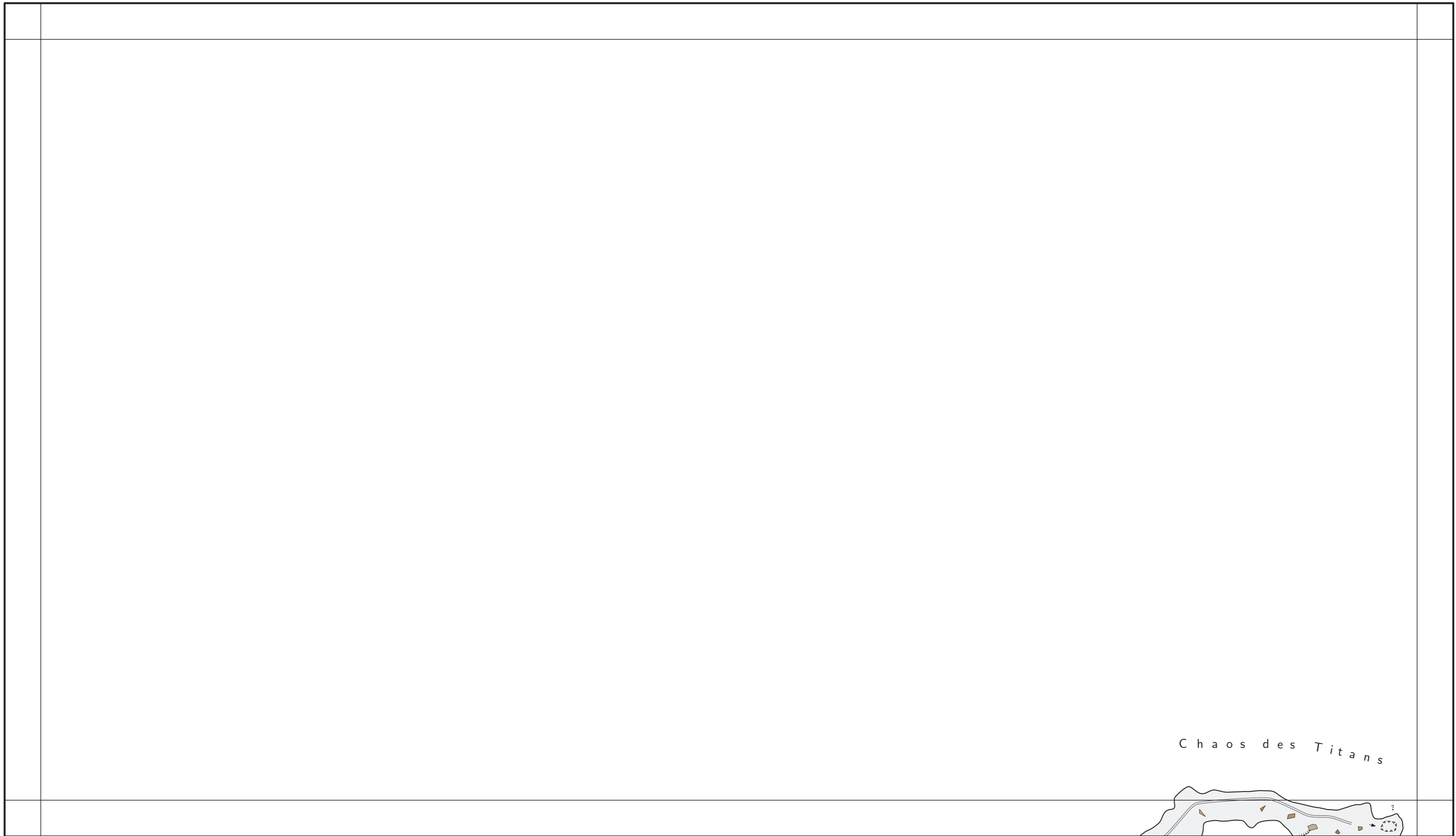
12
15



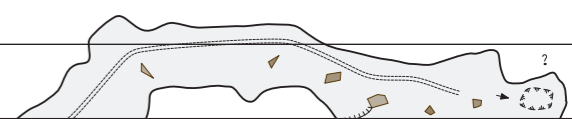


Synthèse générale des réseaux de la Pierre Saint-Martin - Larra



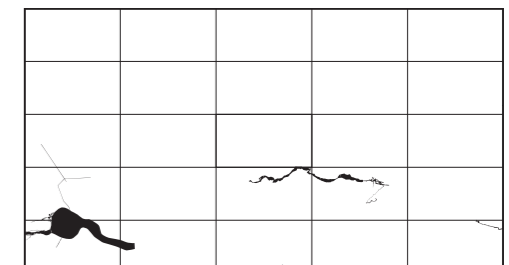


Chaos des Titans



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

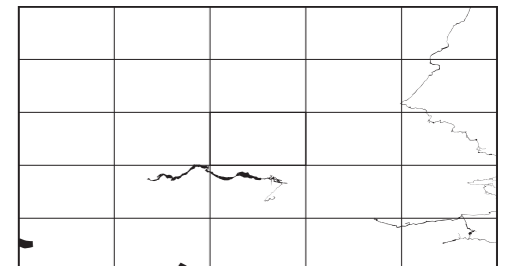
↑ 19
↔ 25

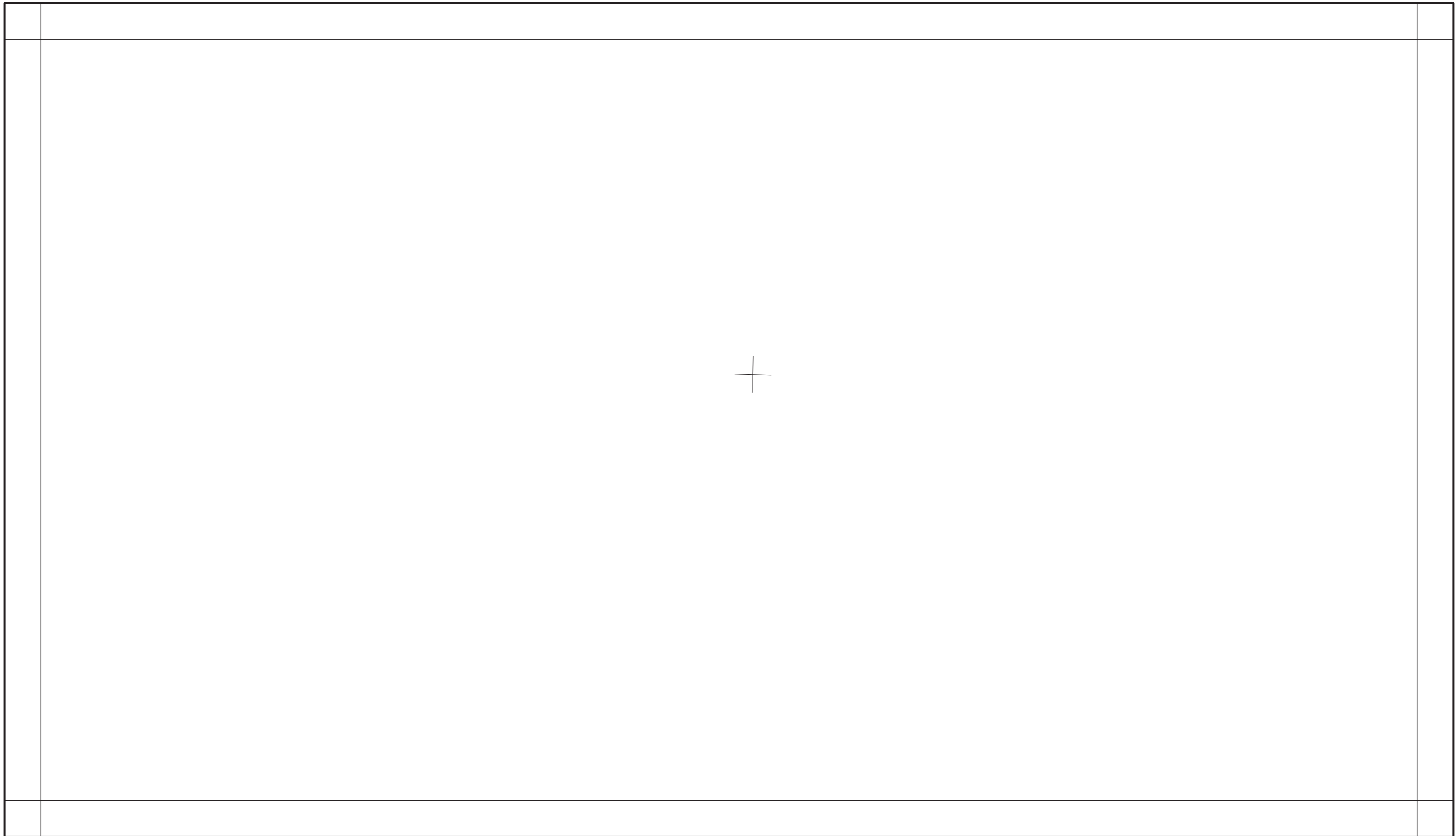




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

18 ↕ 20
26

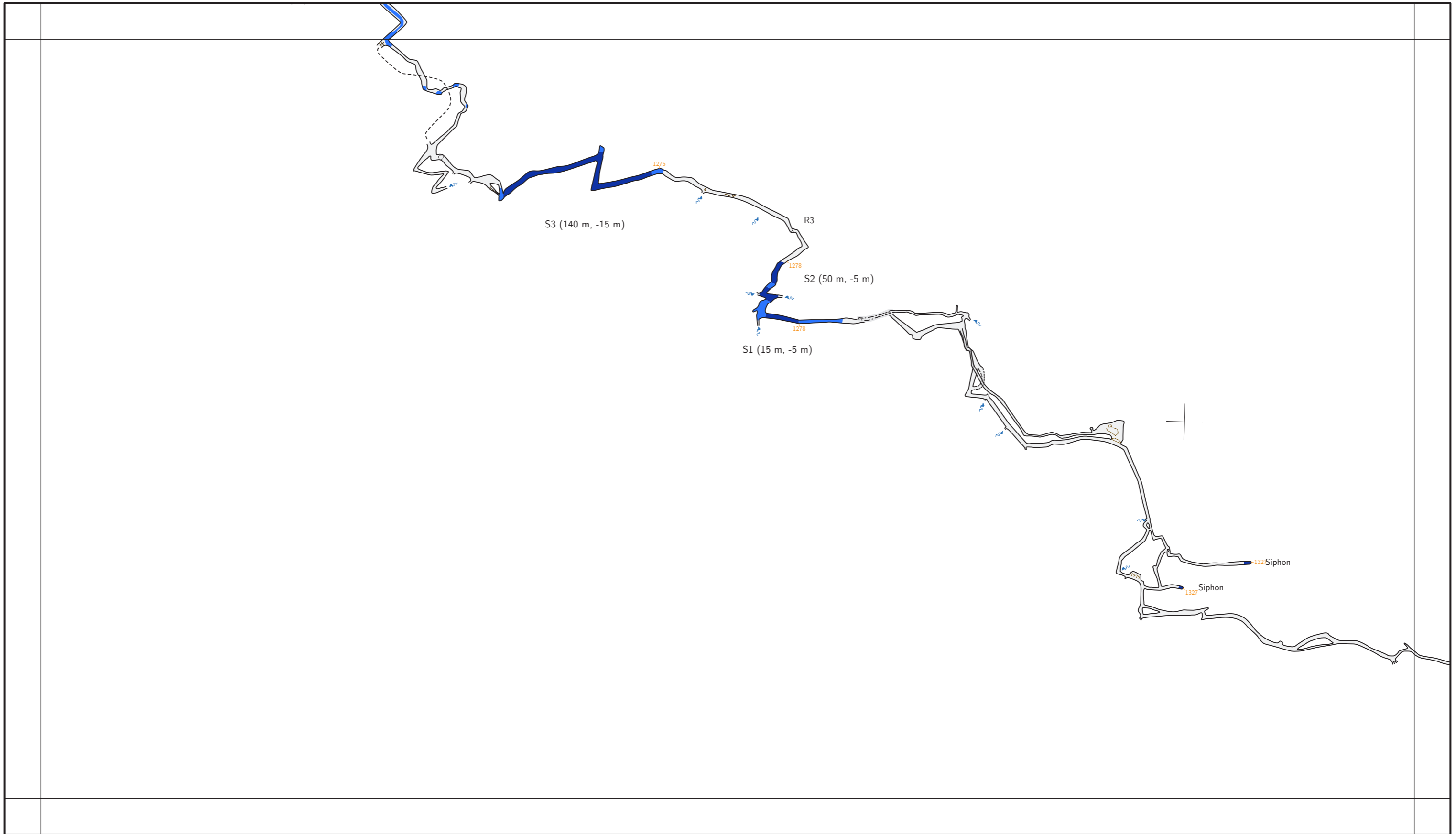




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

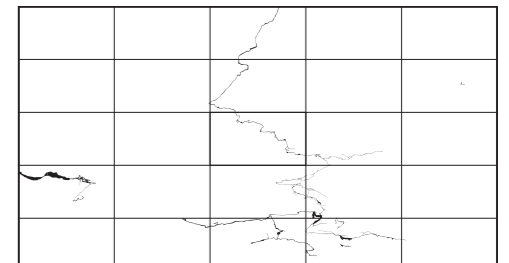
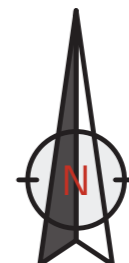
13
19 → 21
27

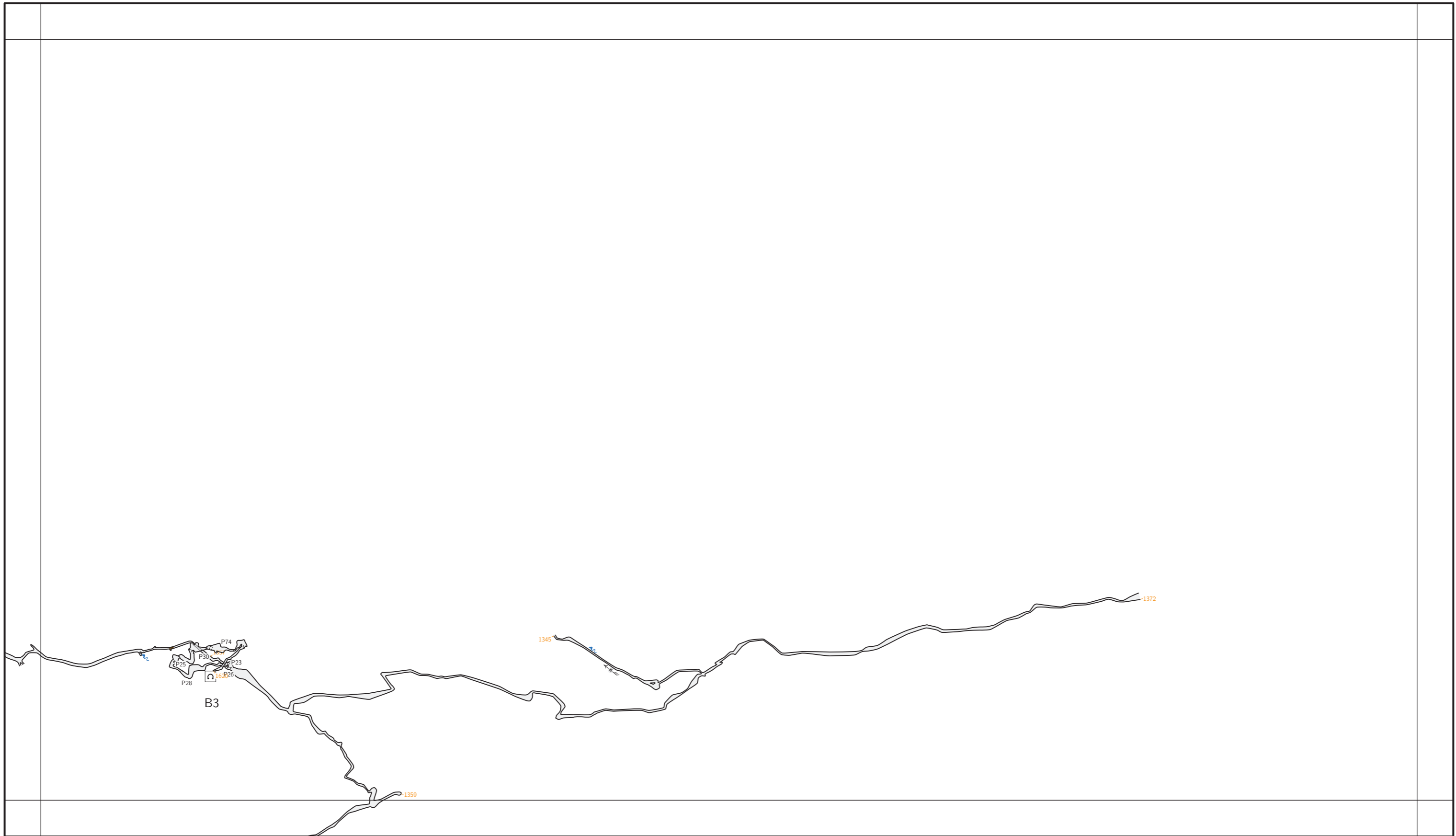




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

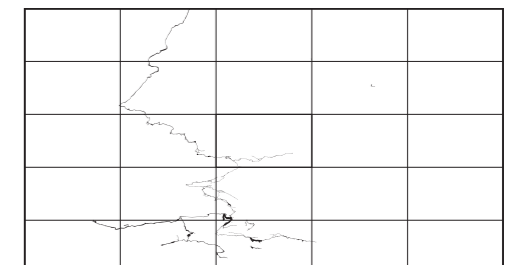
14
20 → 22
28

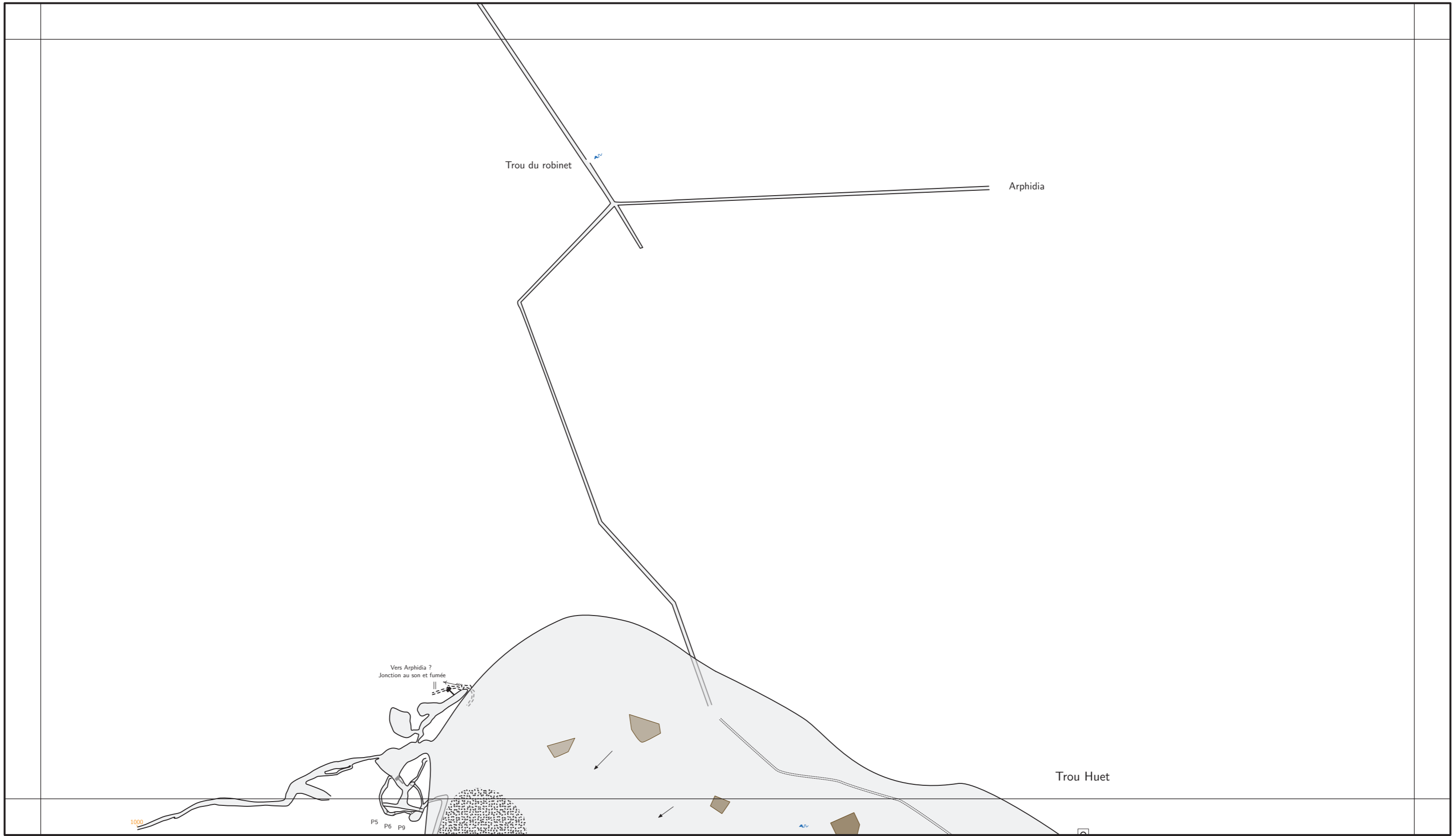




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

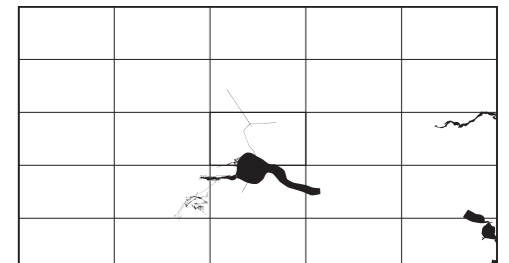
15
21
29





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

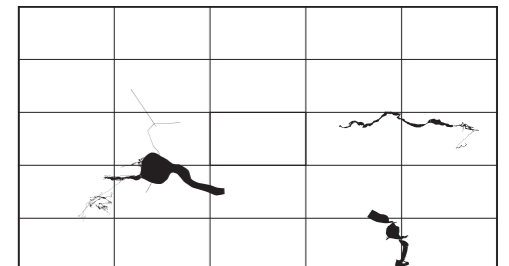
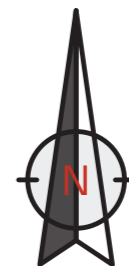
17
 ↕ 24
 32

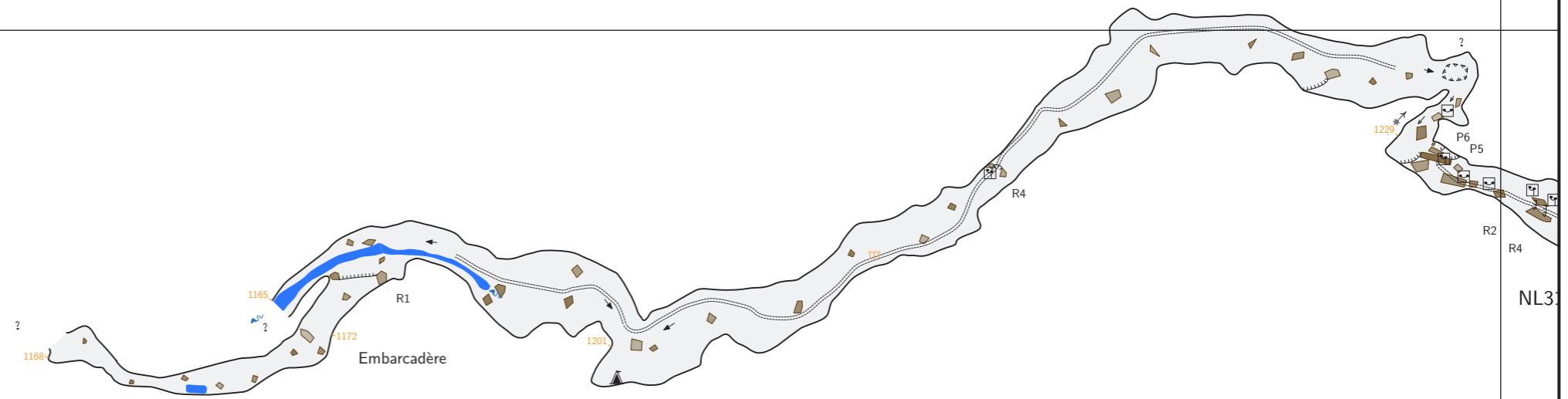




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

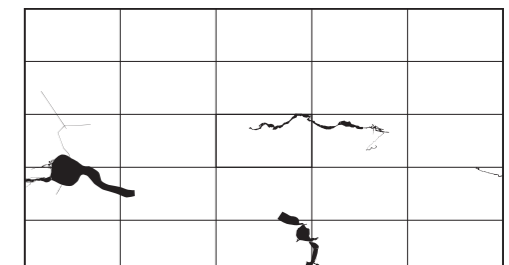
23 ↕ 25
33

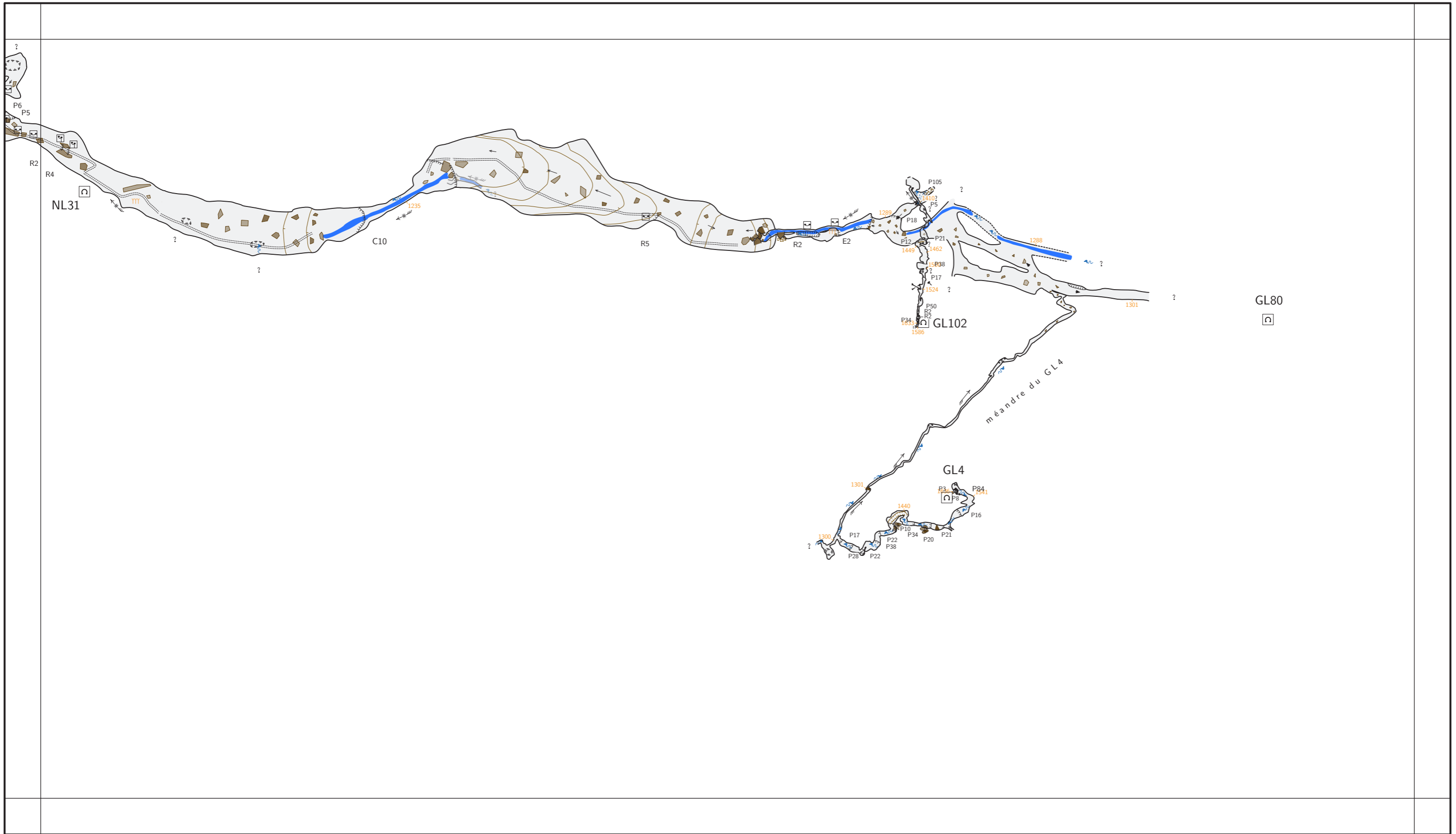




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

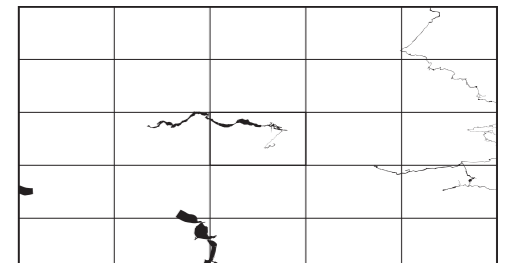
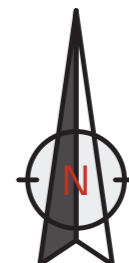
18
 24 ↕ 26
 34

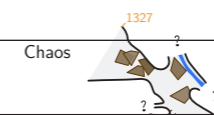
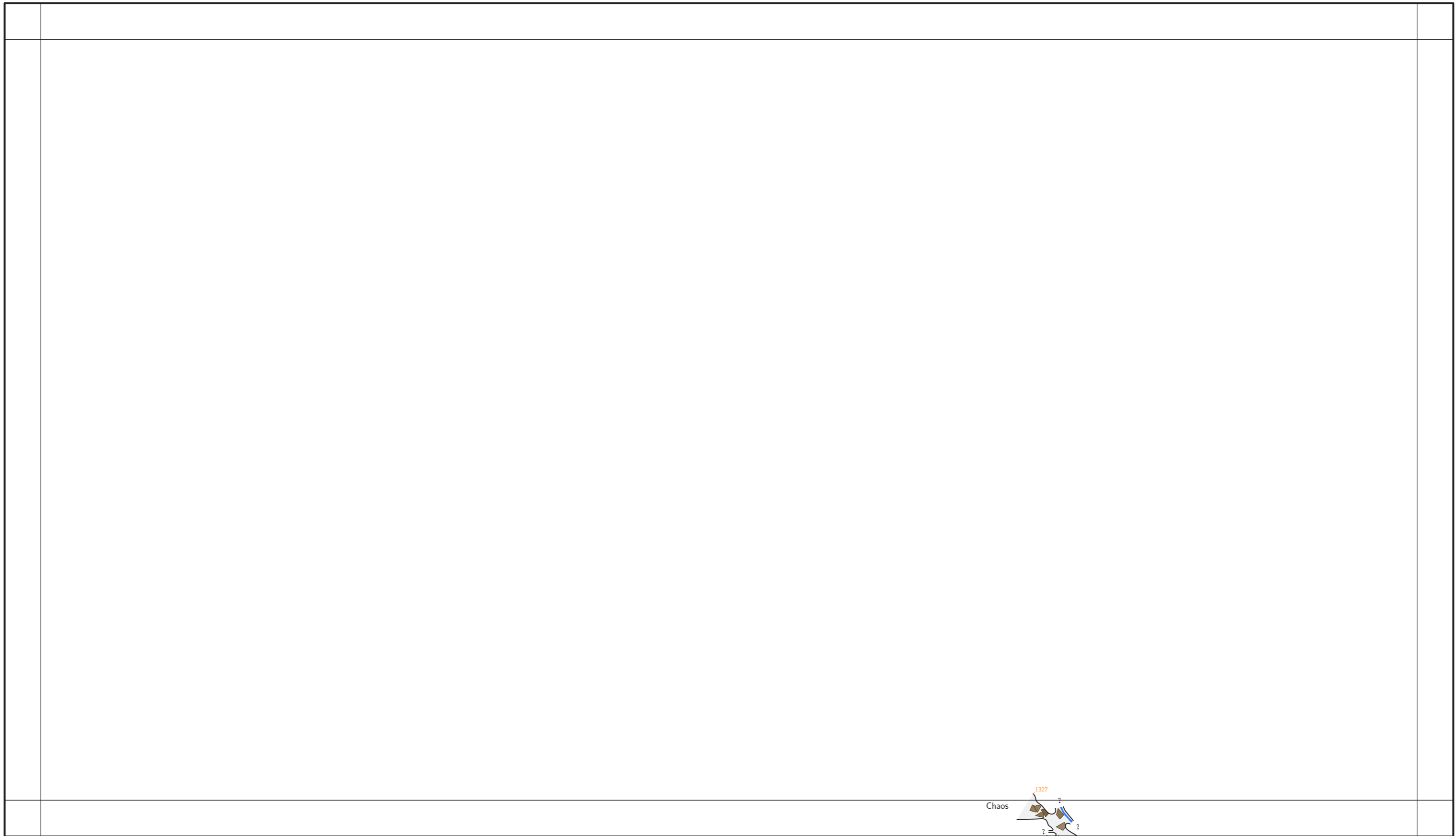




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

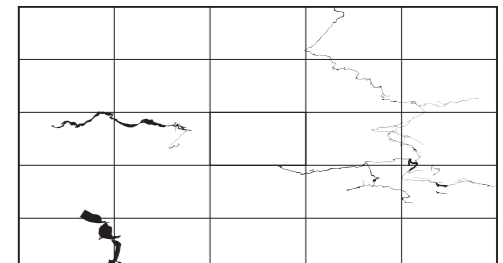
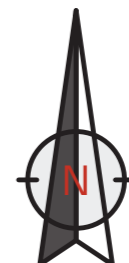
19
 25 ↕ 27
 35

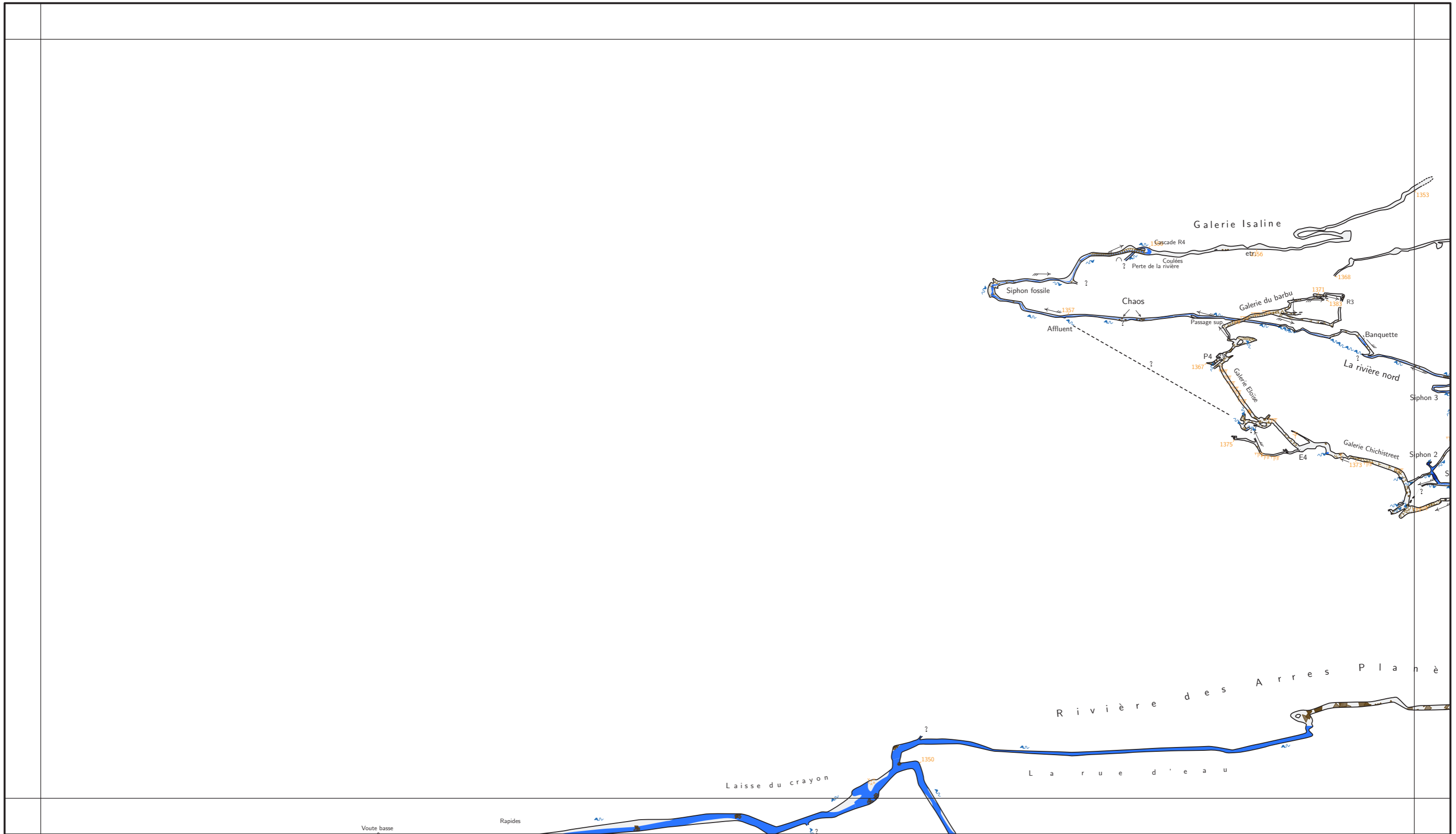




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

20
26 → 28
36

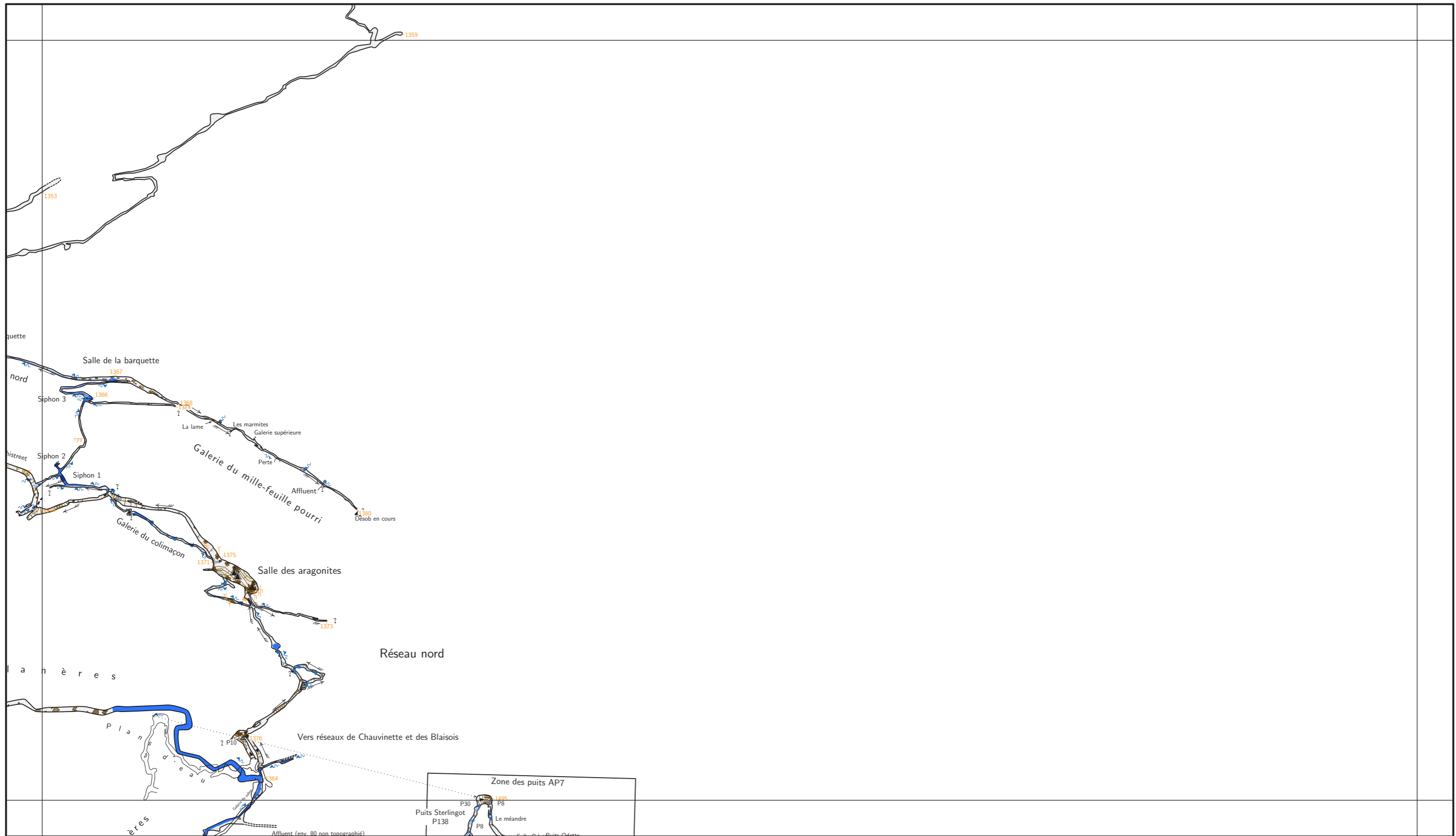




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

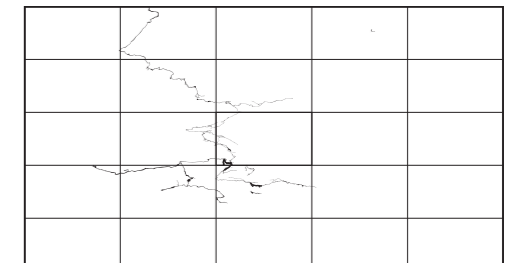
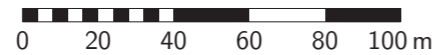
21
 27 ↔ 29
 37

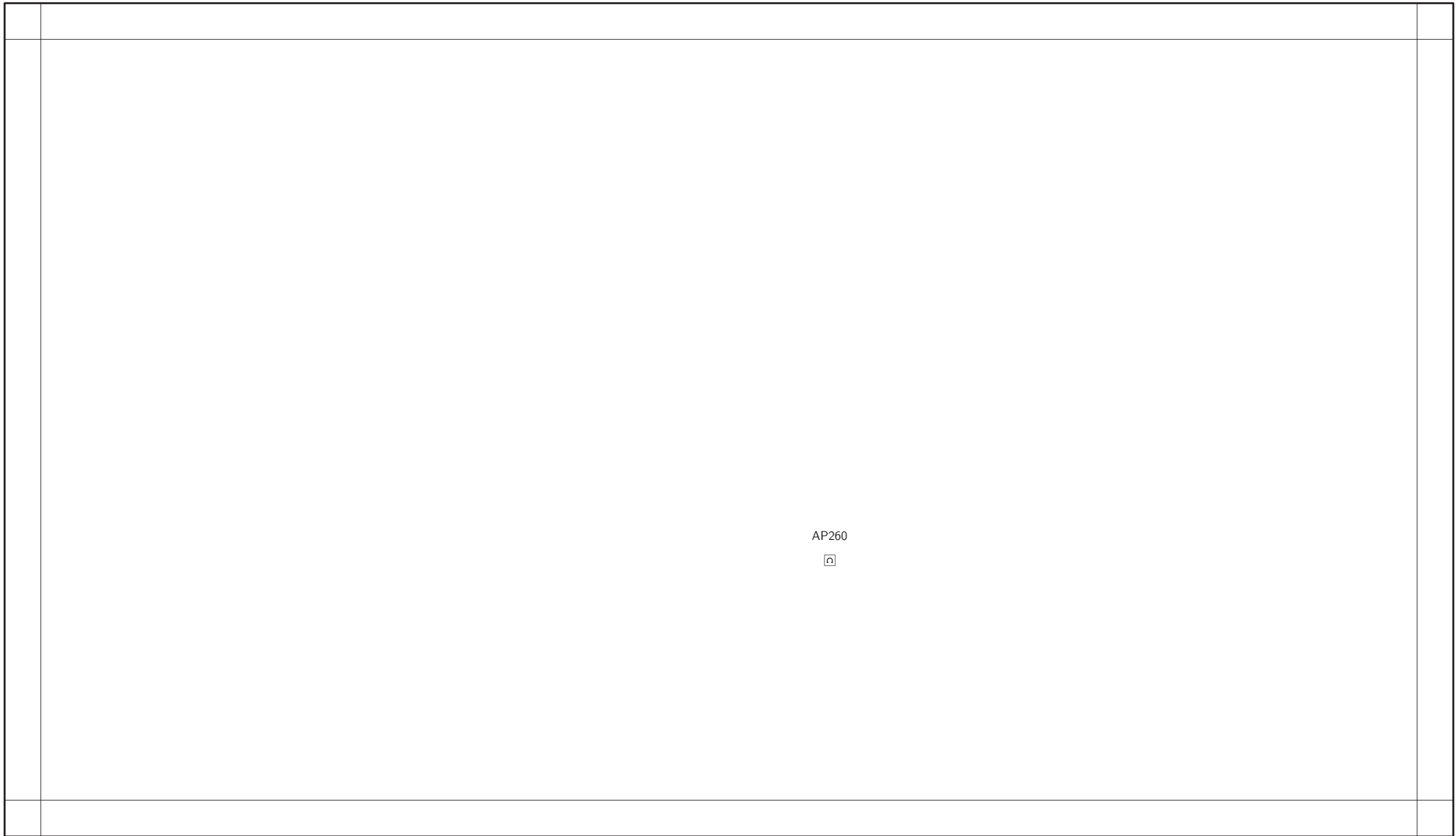




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

22
28 → 30
38



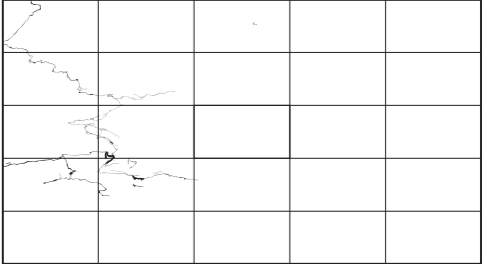


AP260



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

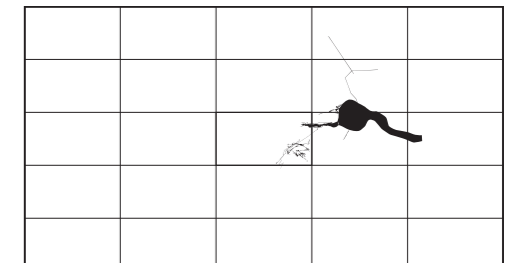
29 ↕
39

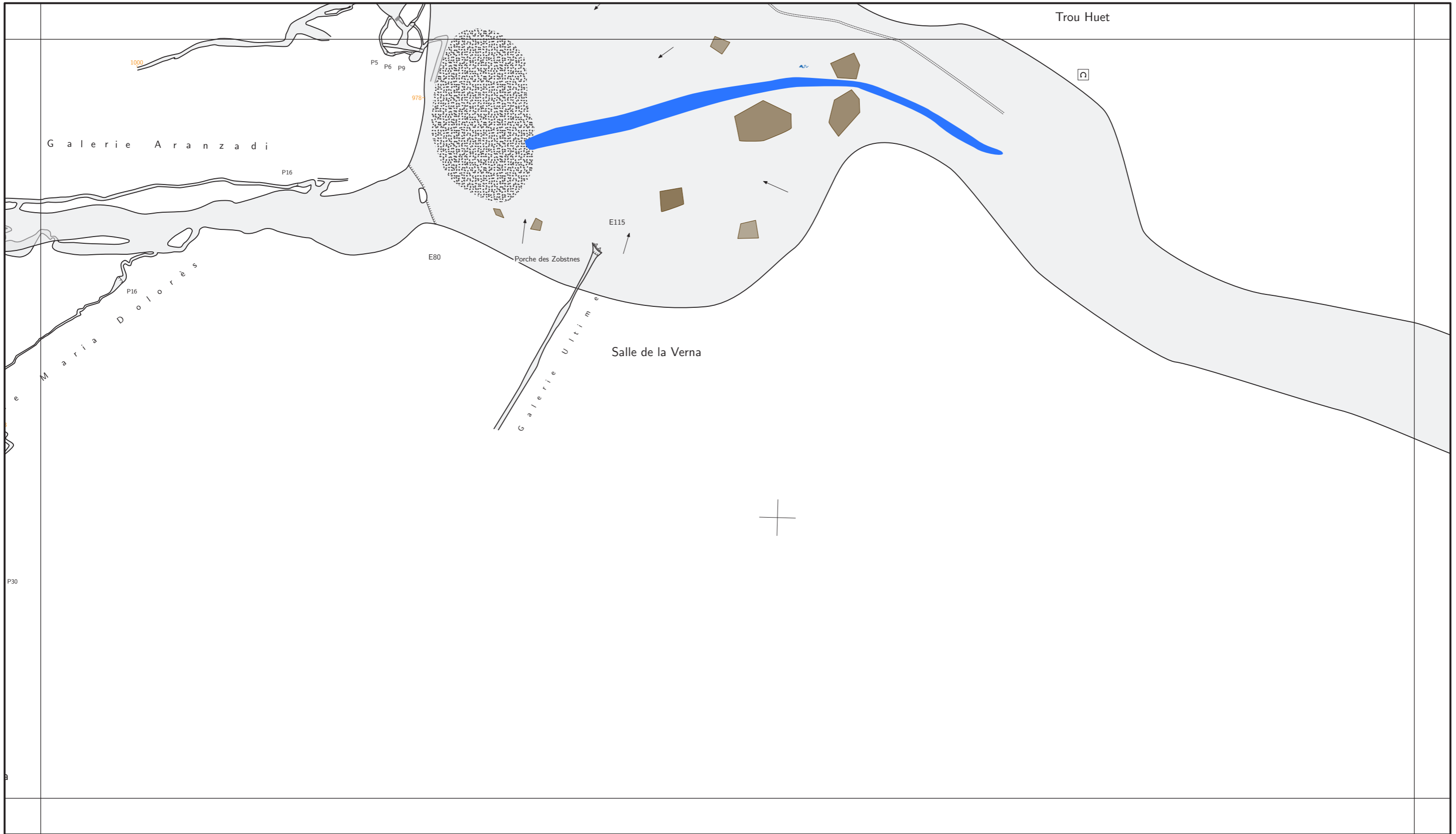




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

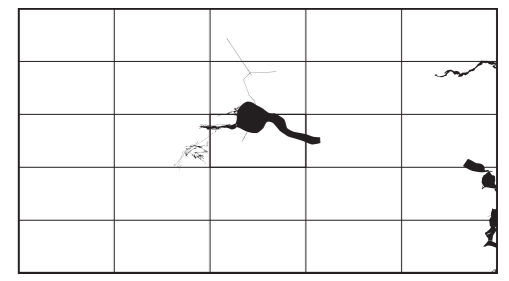
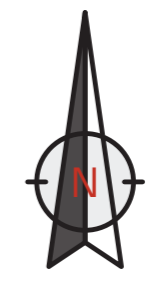
↕ 32
↔ 40





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

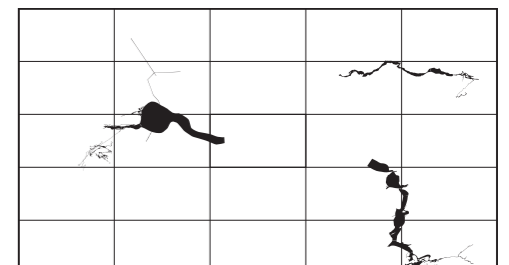
23
31 ↔ 33
41





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

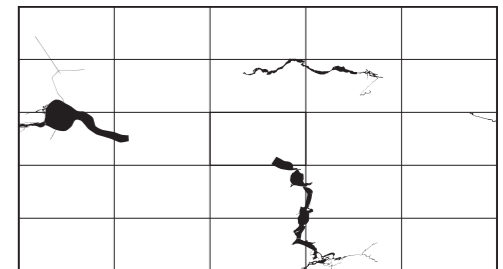
24
32 ↔ 34
42





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

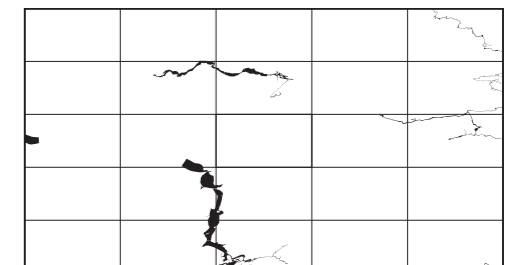
25
33 ↔ 35
43





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

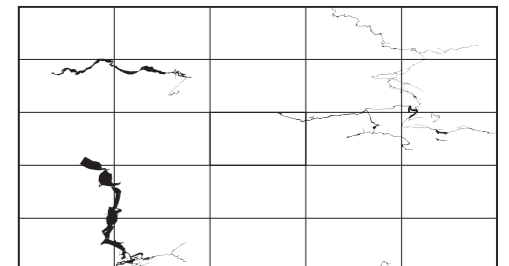
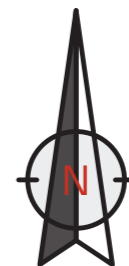
26
34 → 36
44





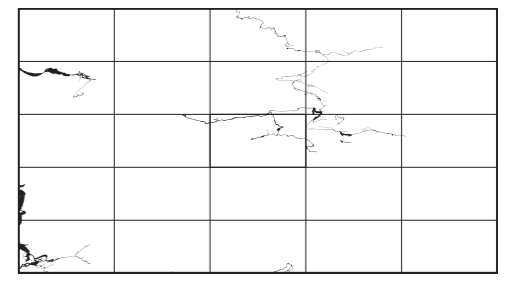
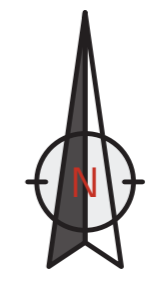
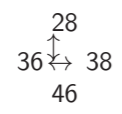
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

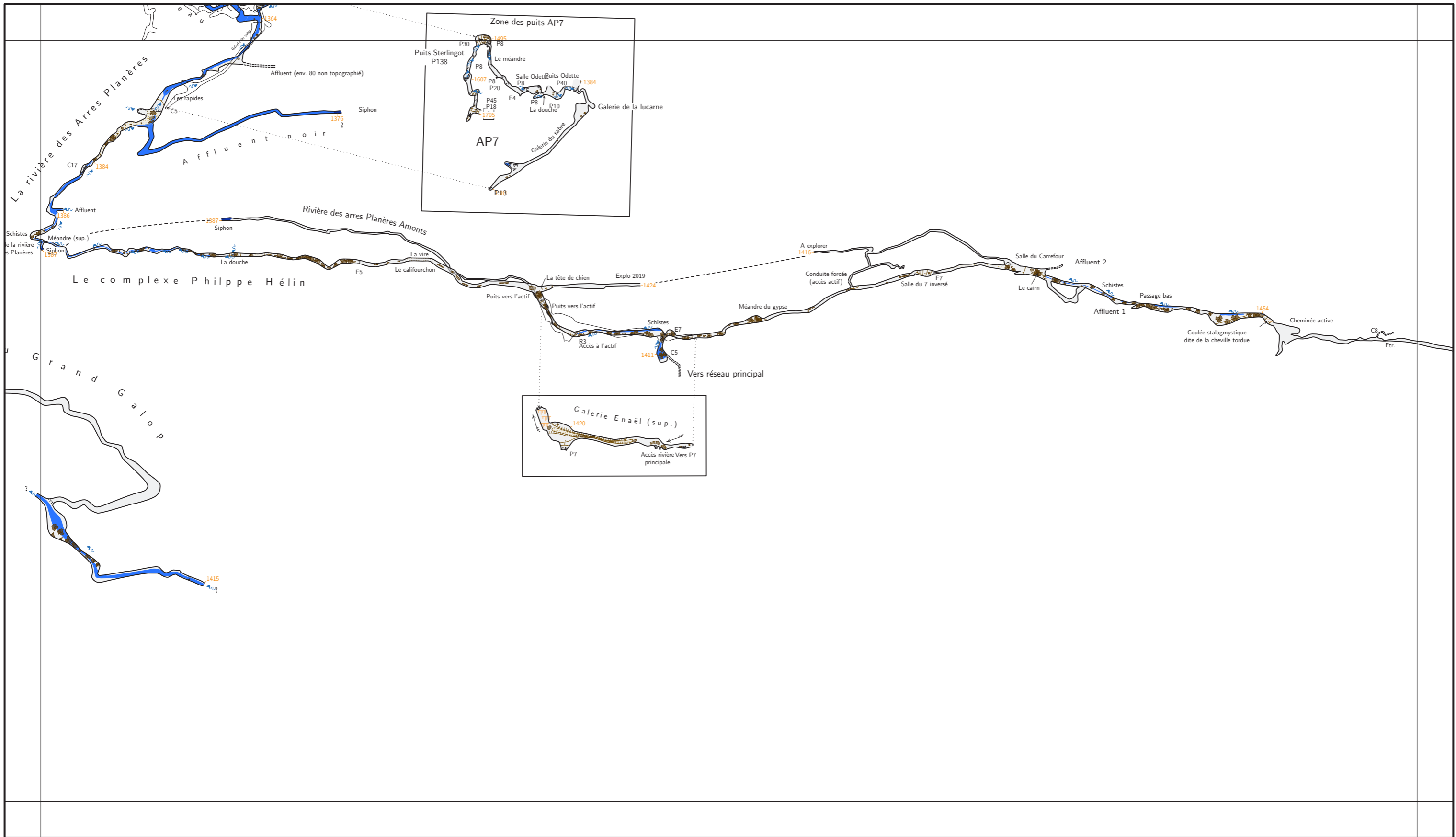
27
35 → 37
45





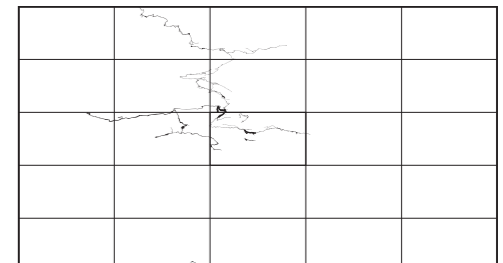
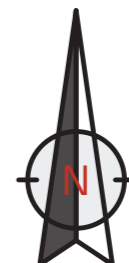
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

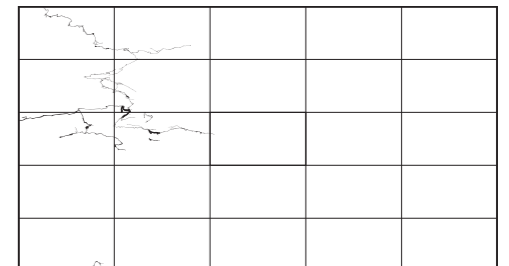
29
37 ↔ 39
47

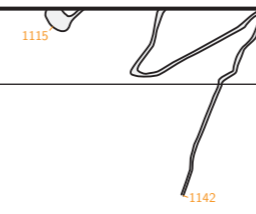




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

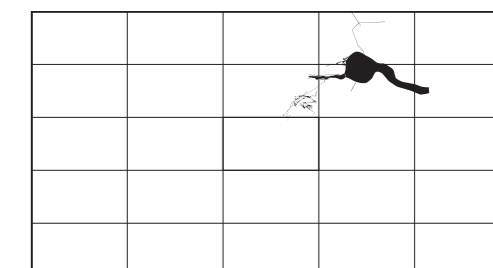
30
 38
 48

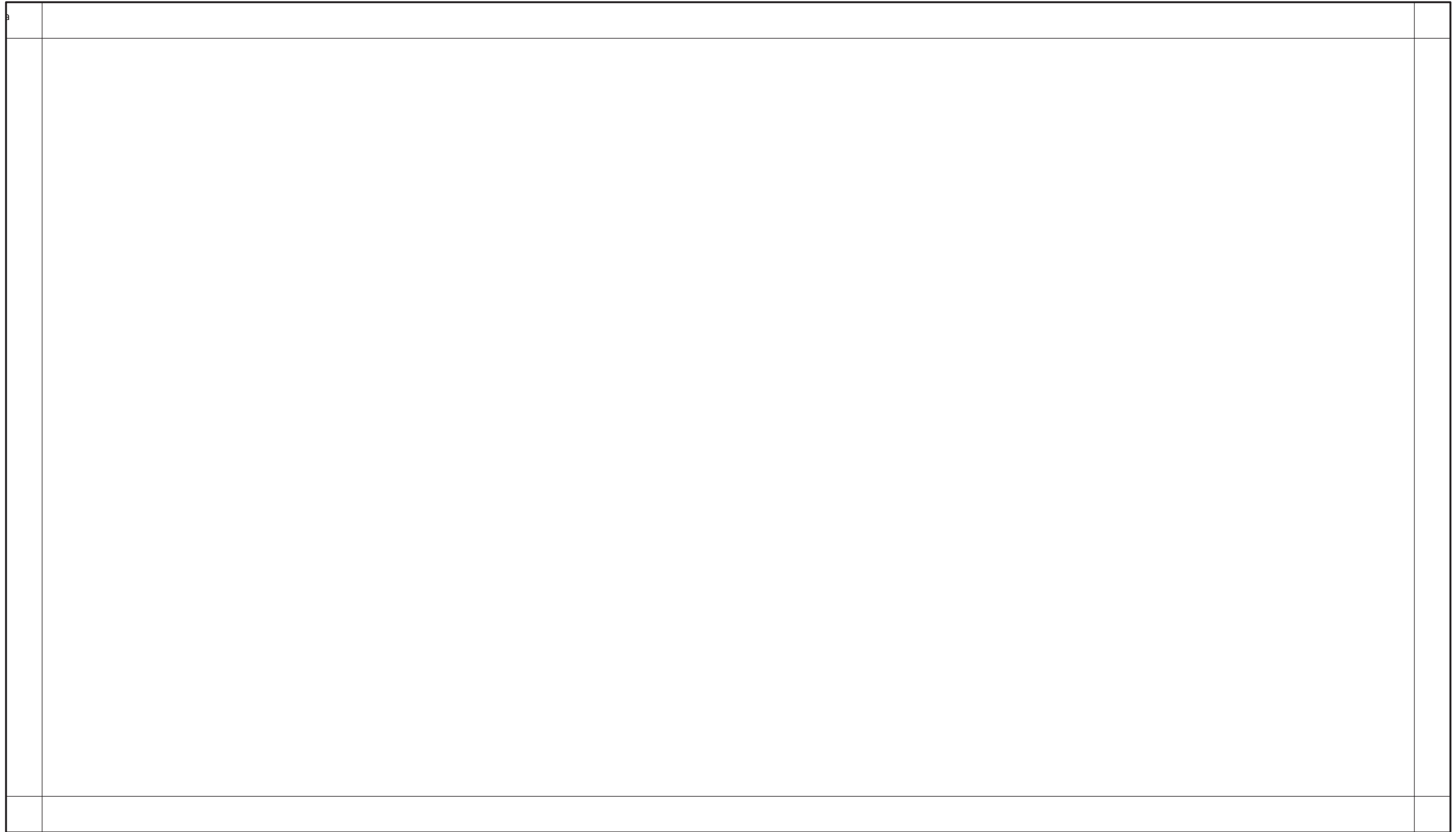




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

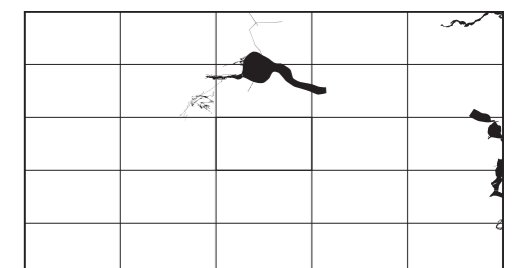
31
↕
41

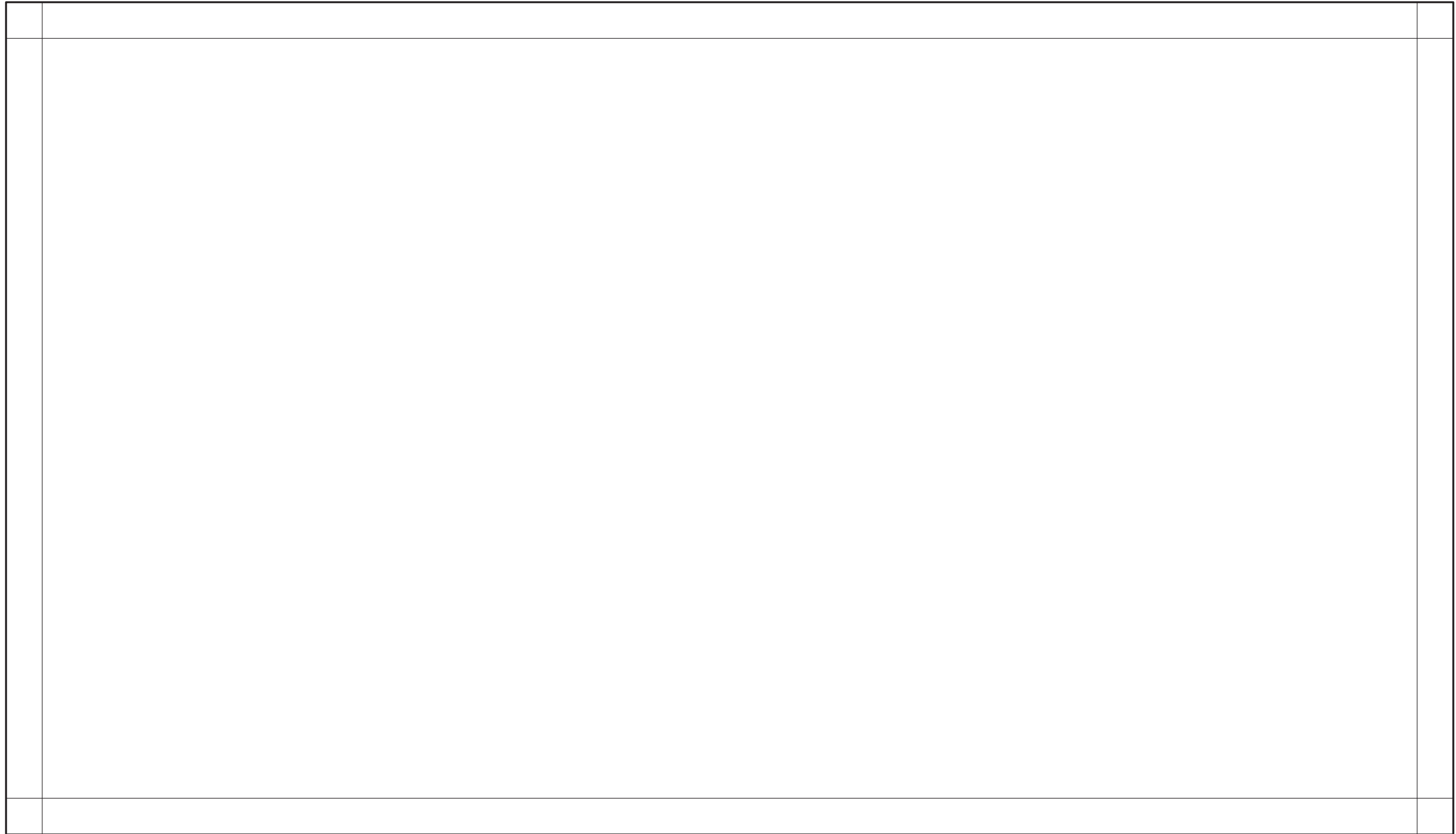




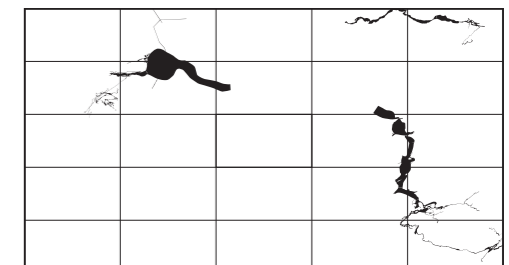
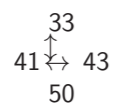
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

32
40 → 42
49



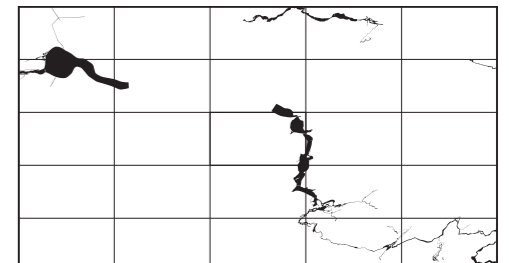
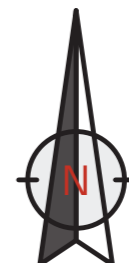
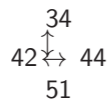


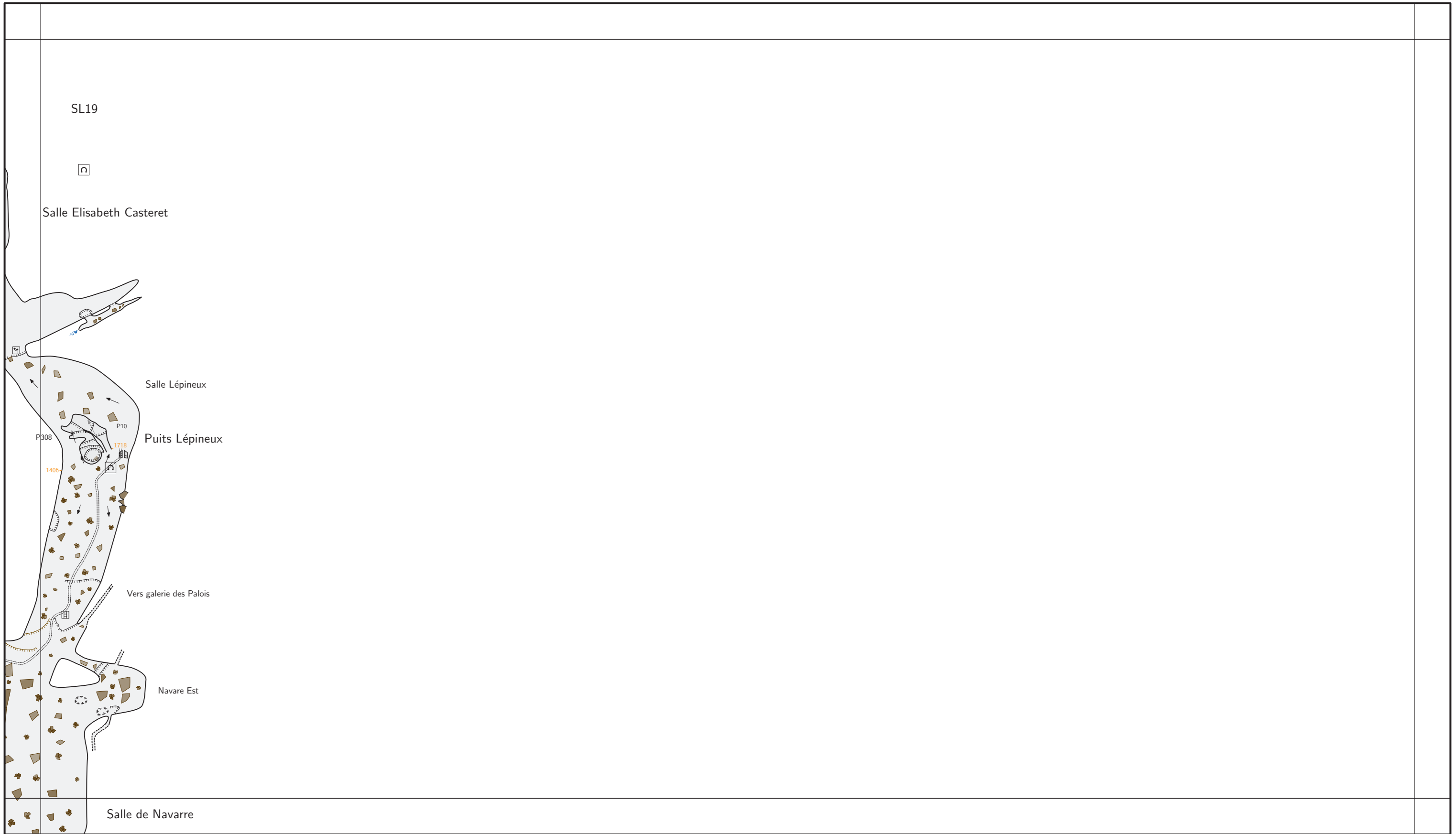
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra



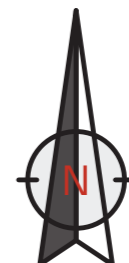
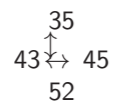


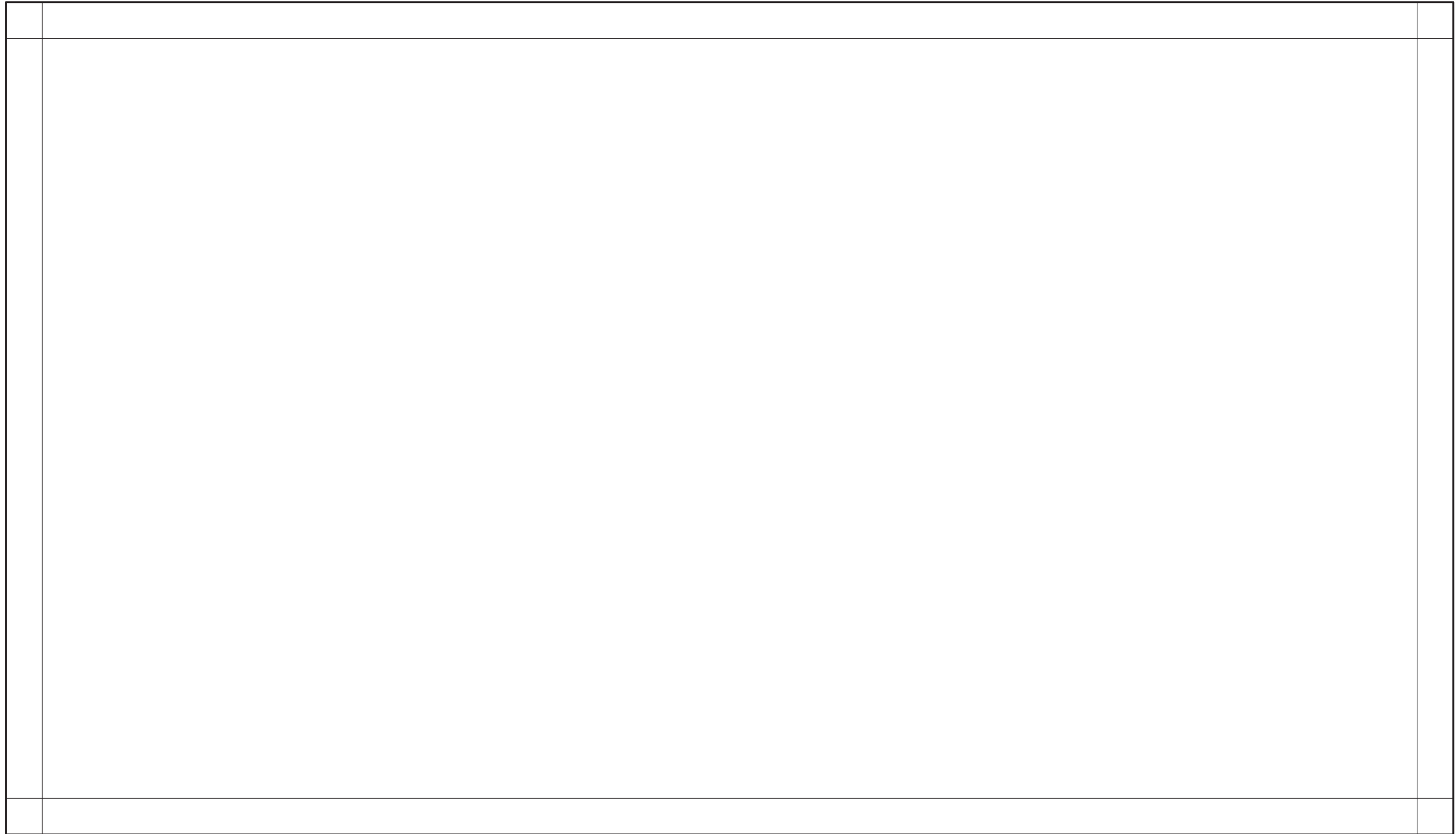
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





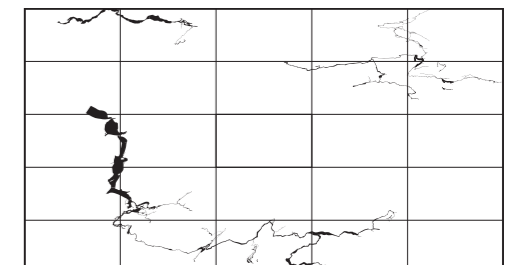
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

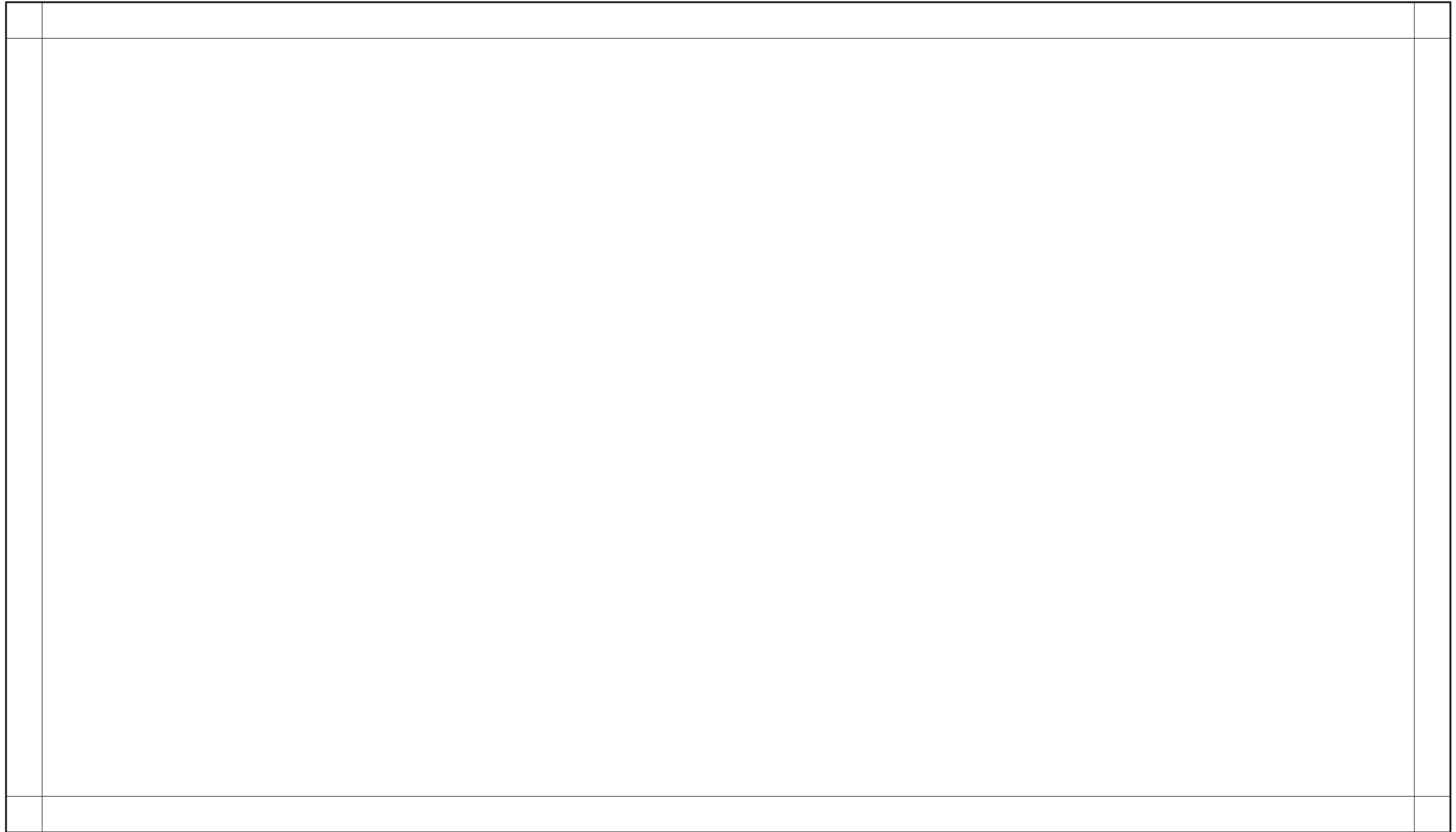




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

36
44 → 46
53





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

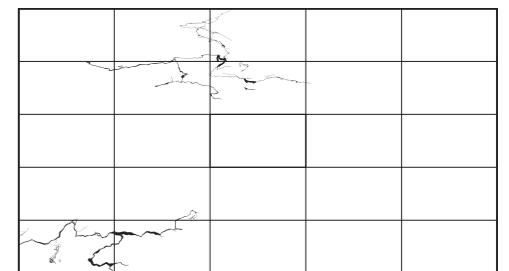
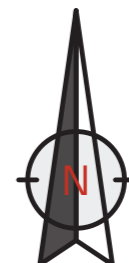
37
45 ↔ 47
54





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

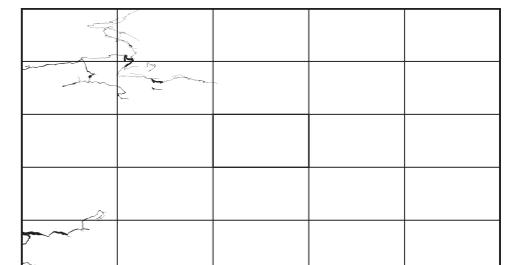
38
46 ↔ 48
55

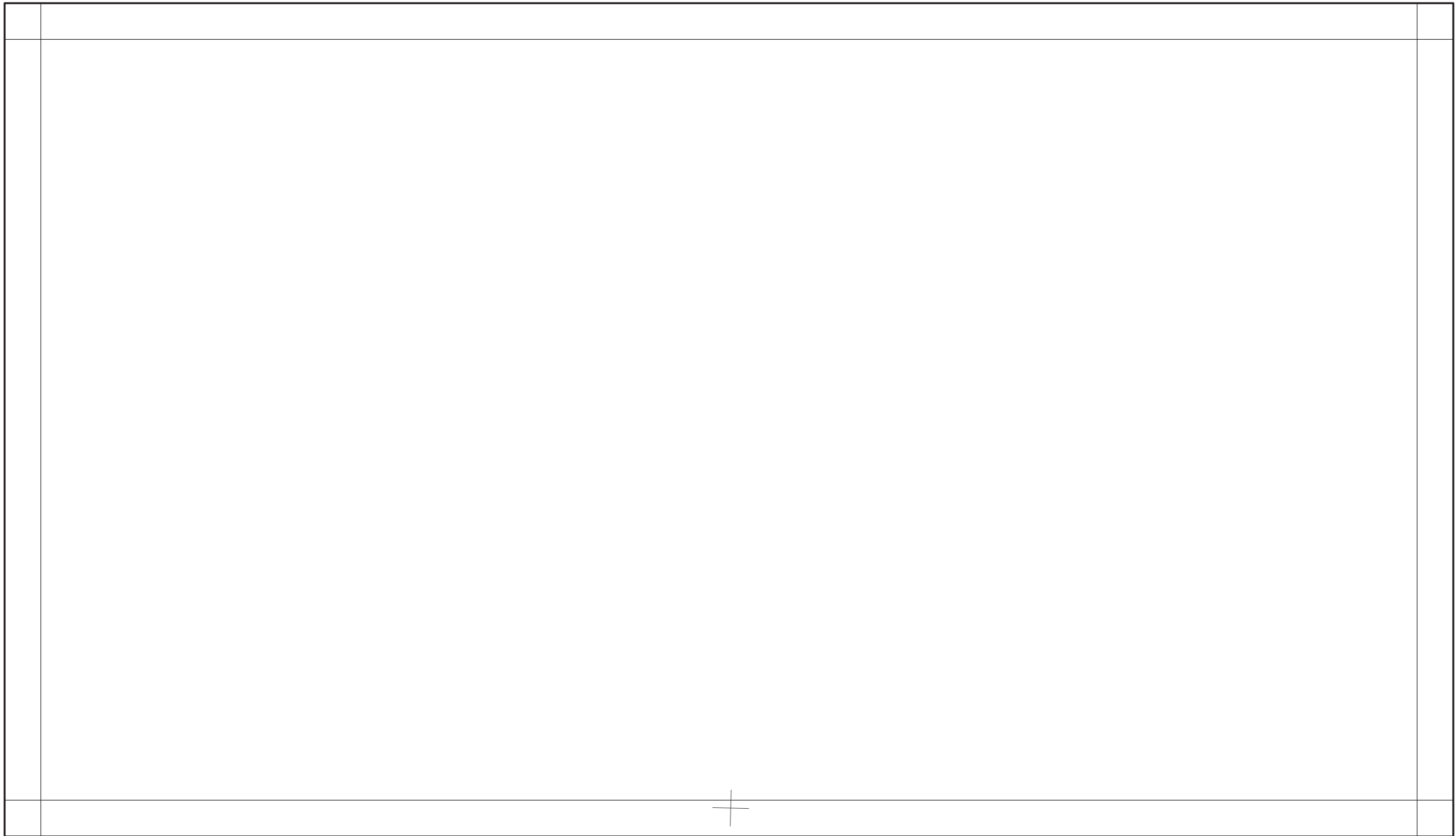




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

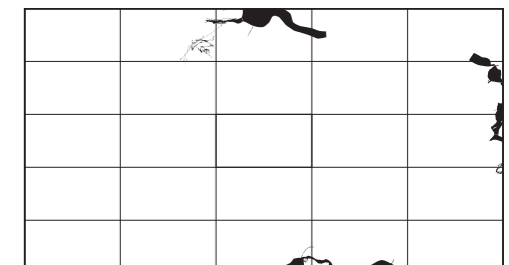
39
47↔
56

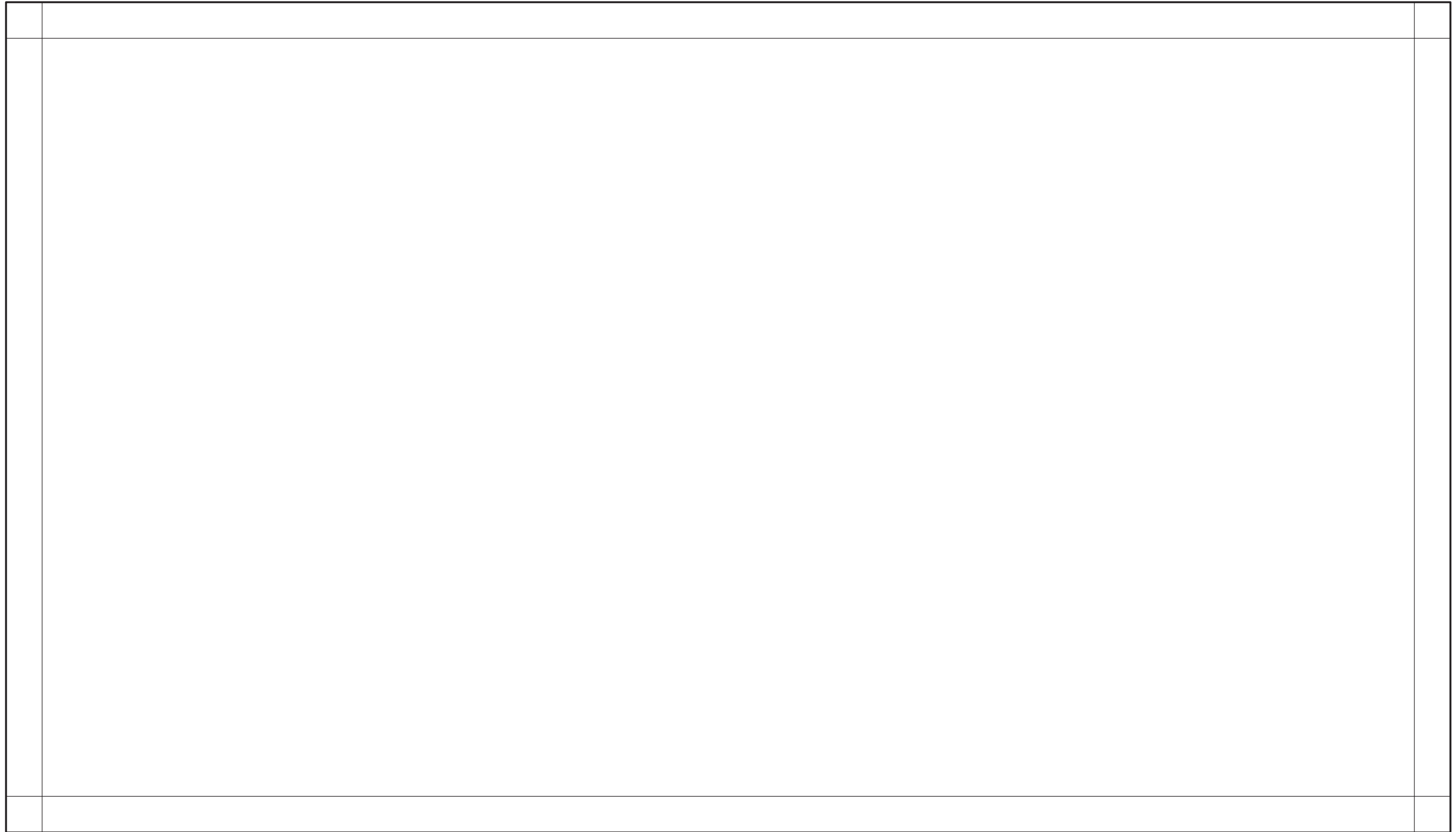




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

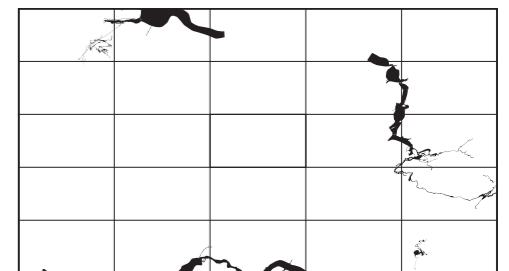
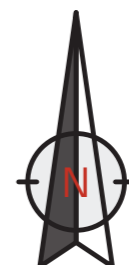
41
↕ 50
57

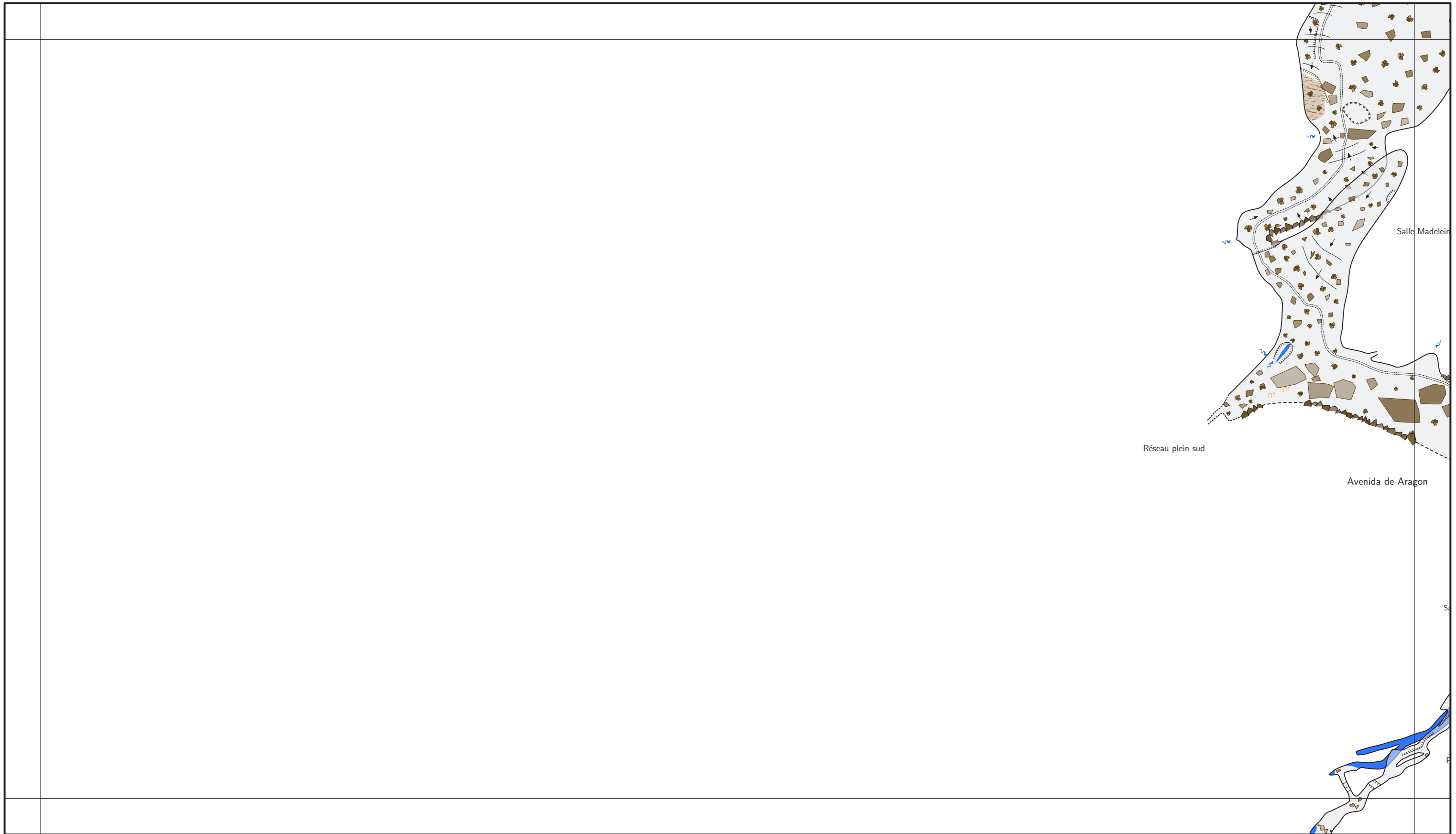




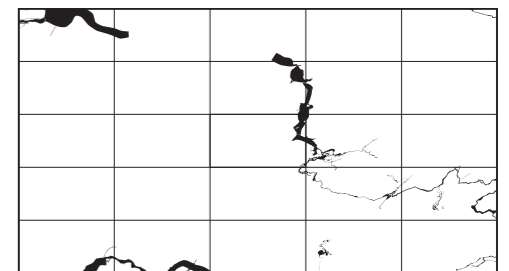
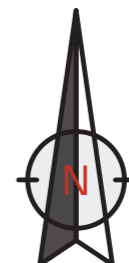
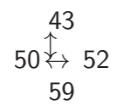
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

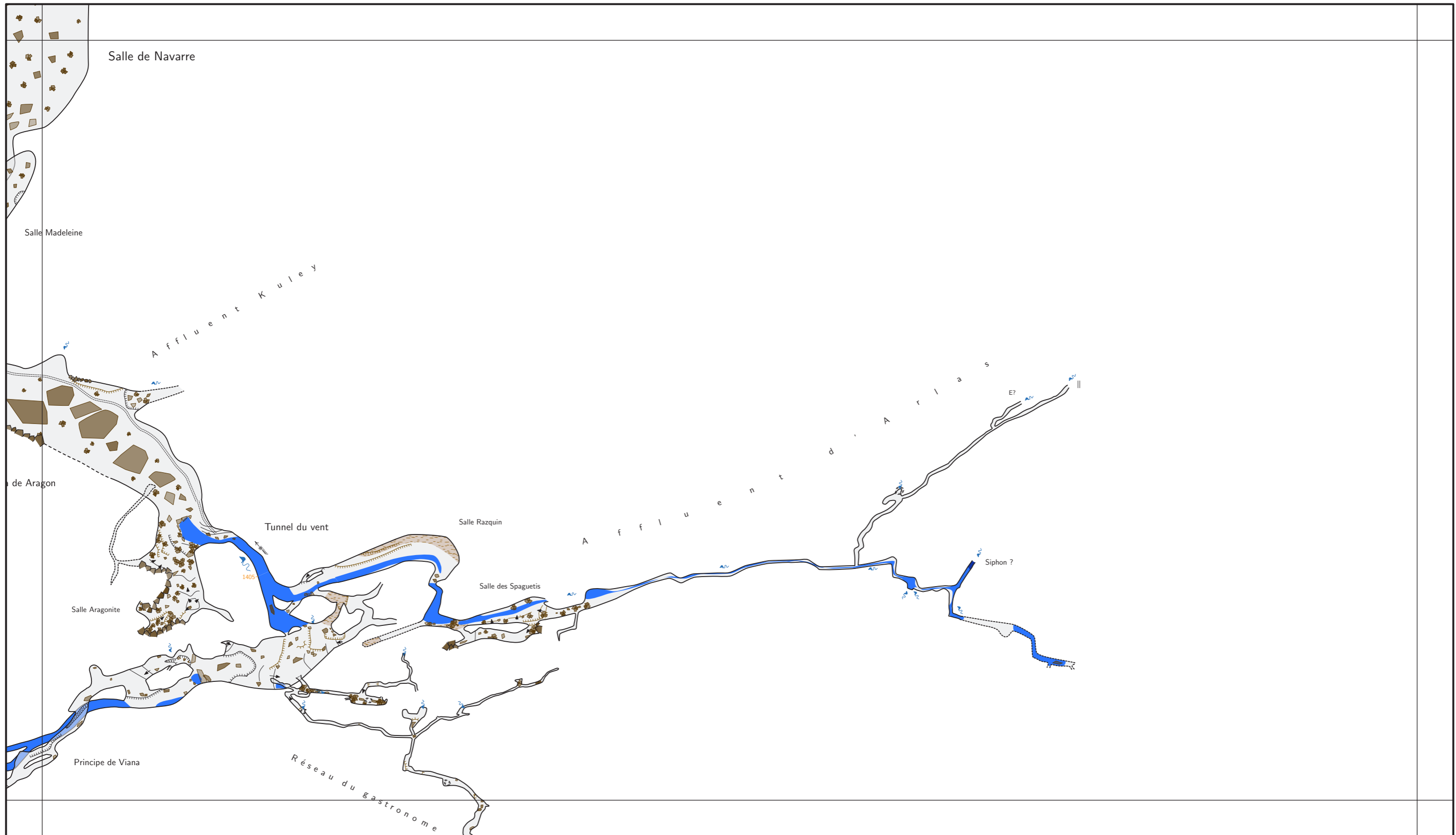
42
49 ↔ 51
58





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra






Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

44
51 ↔ 53
60

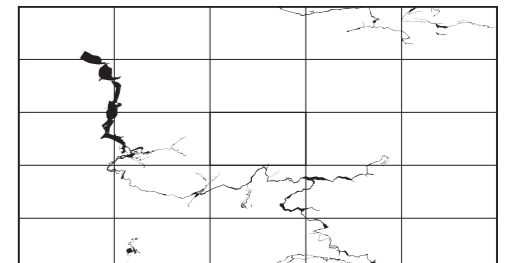
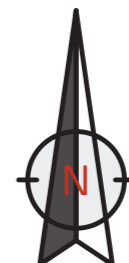


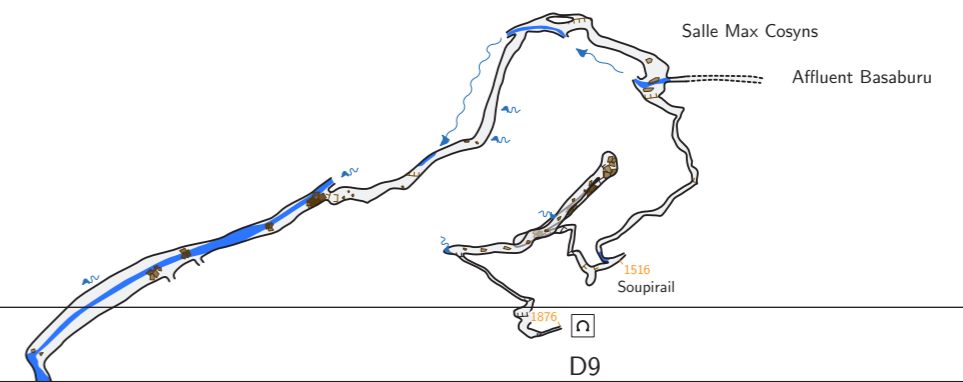
G r a n d C a n y o n



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

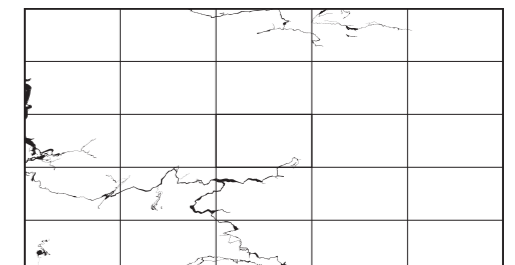
45
52 → 54
61

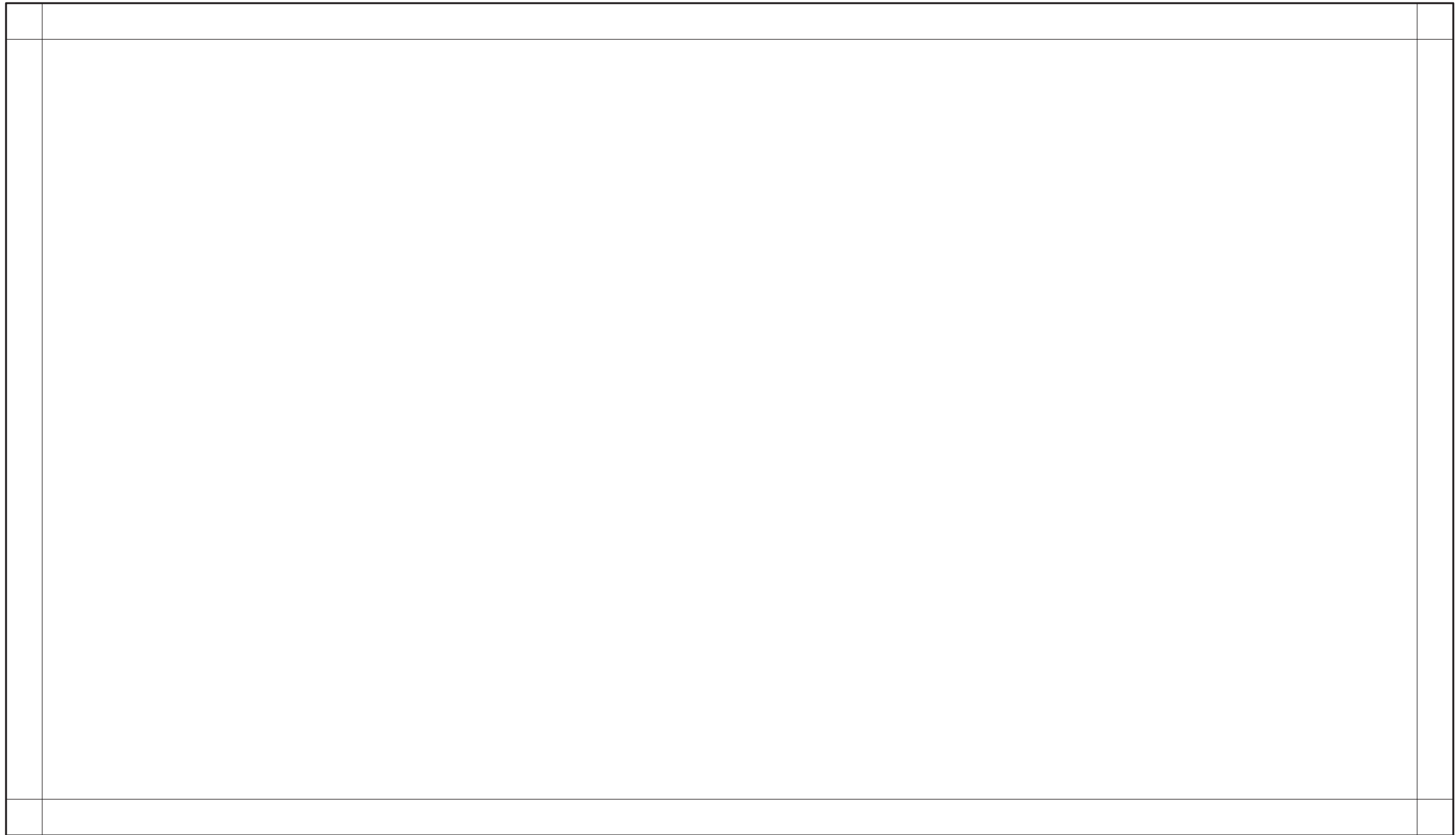




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

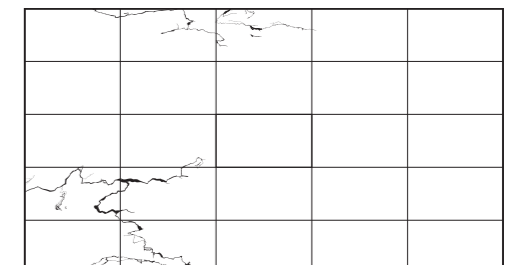
46
 53 → 55
 62





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

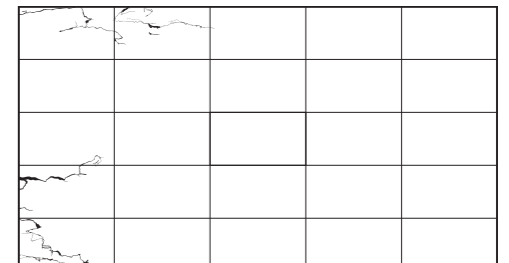
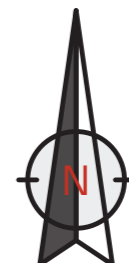
47
54 ↔ 56
63

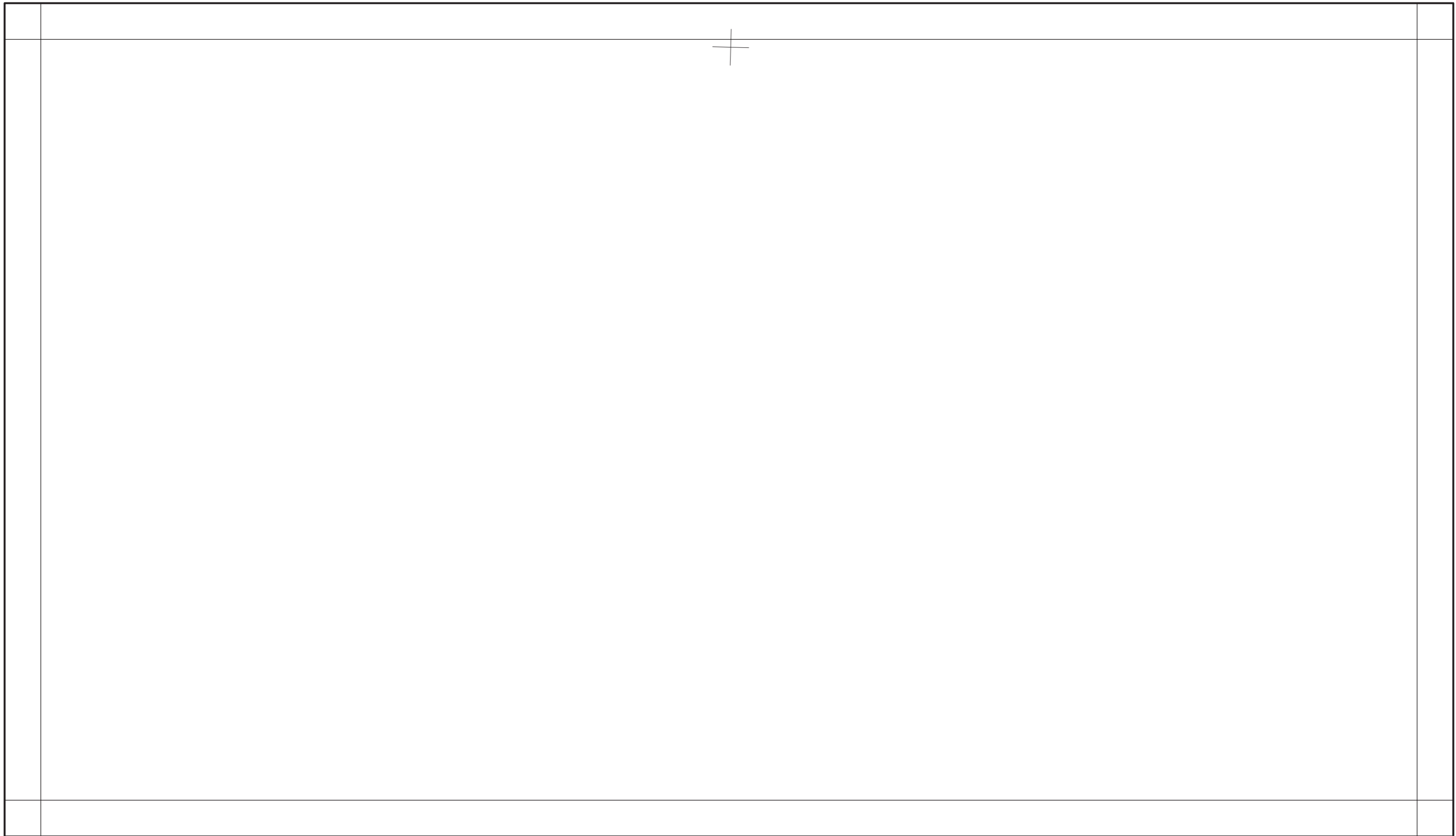




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

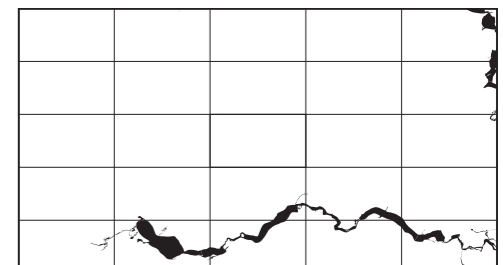
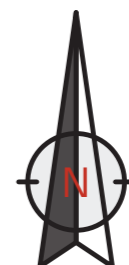
48
55
64





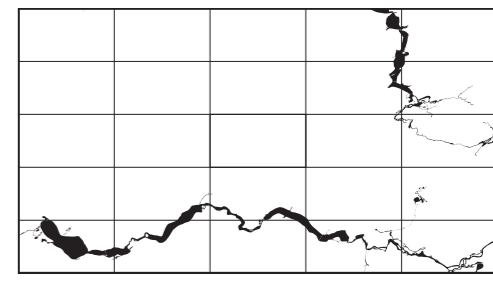
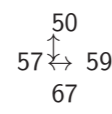
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

49
↕ 58
↔ 66



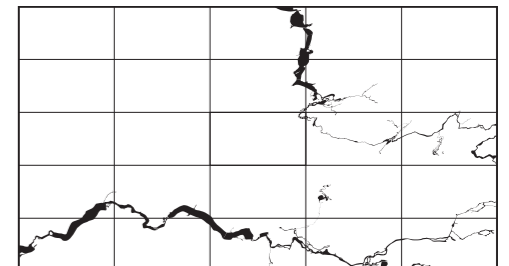
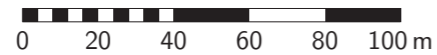
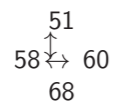


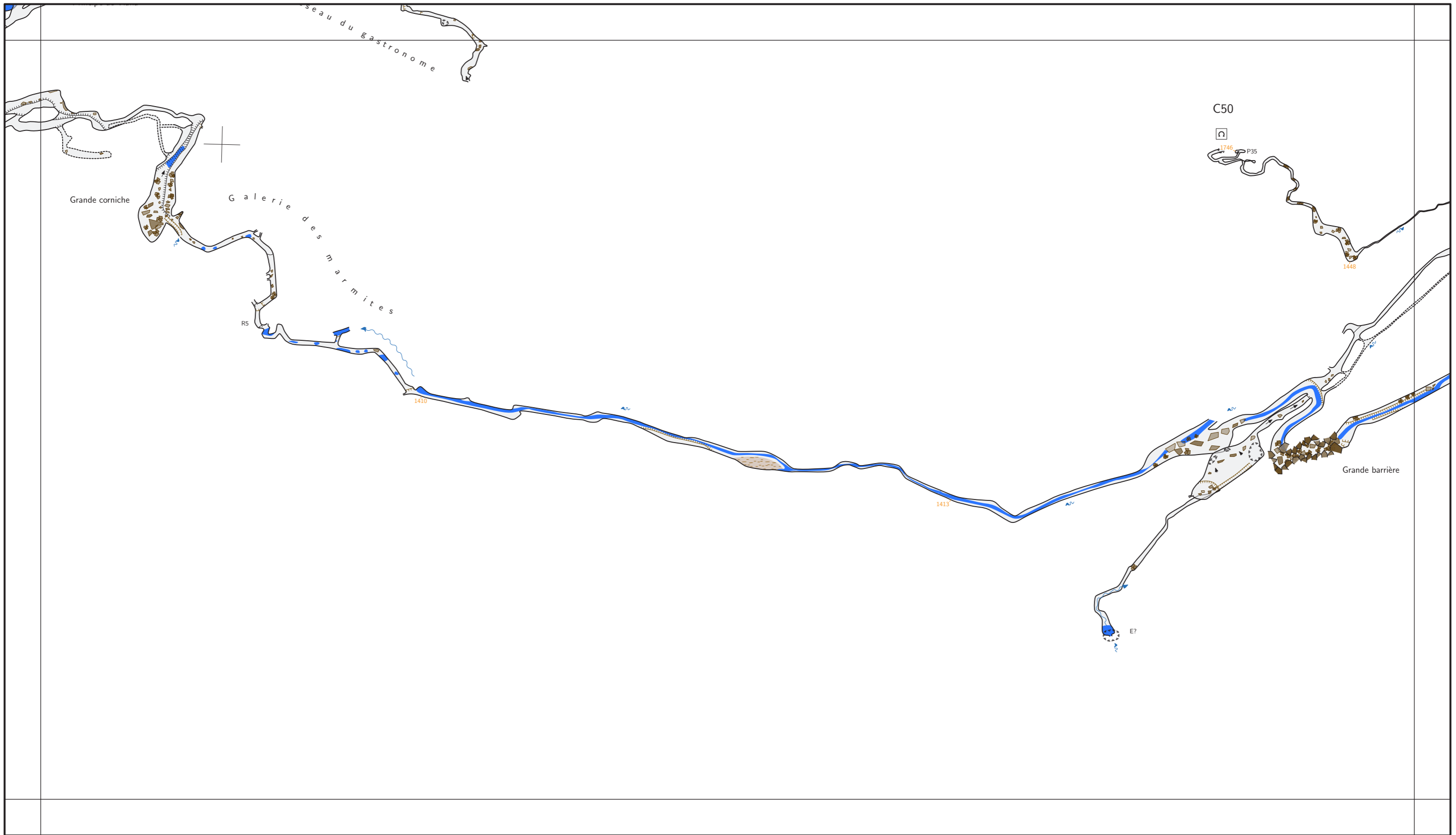
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





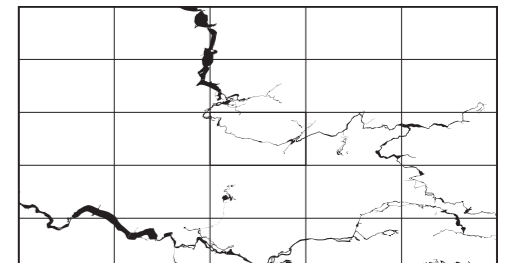
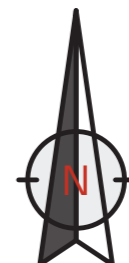
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

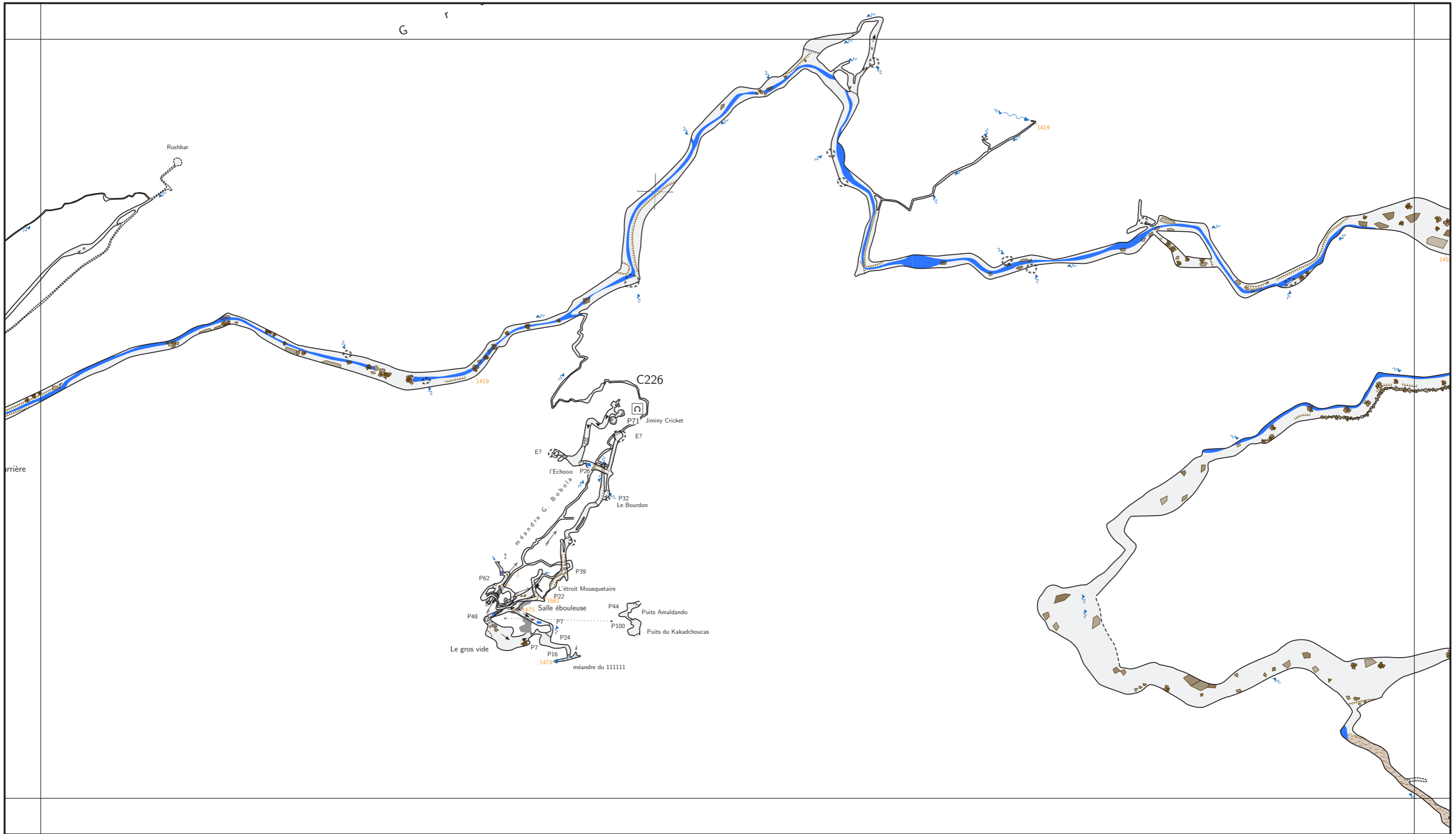




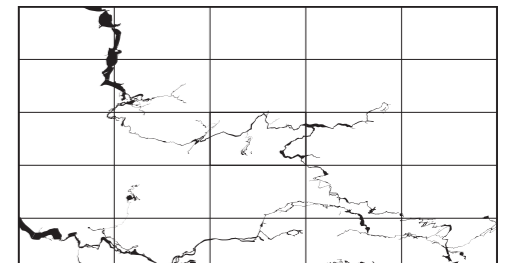
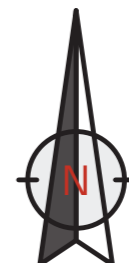
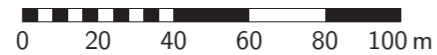
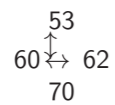
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

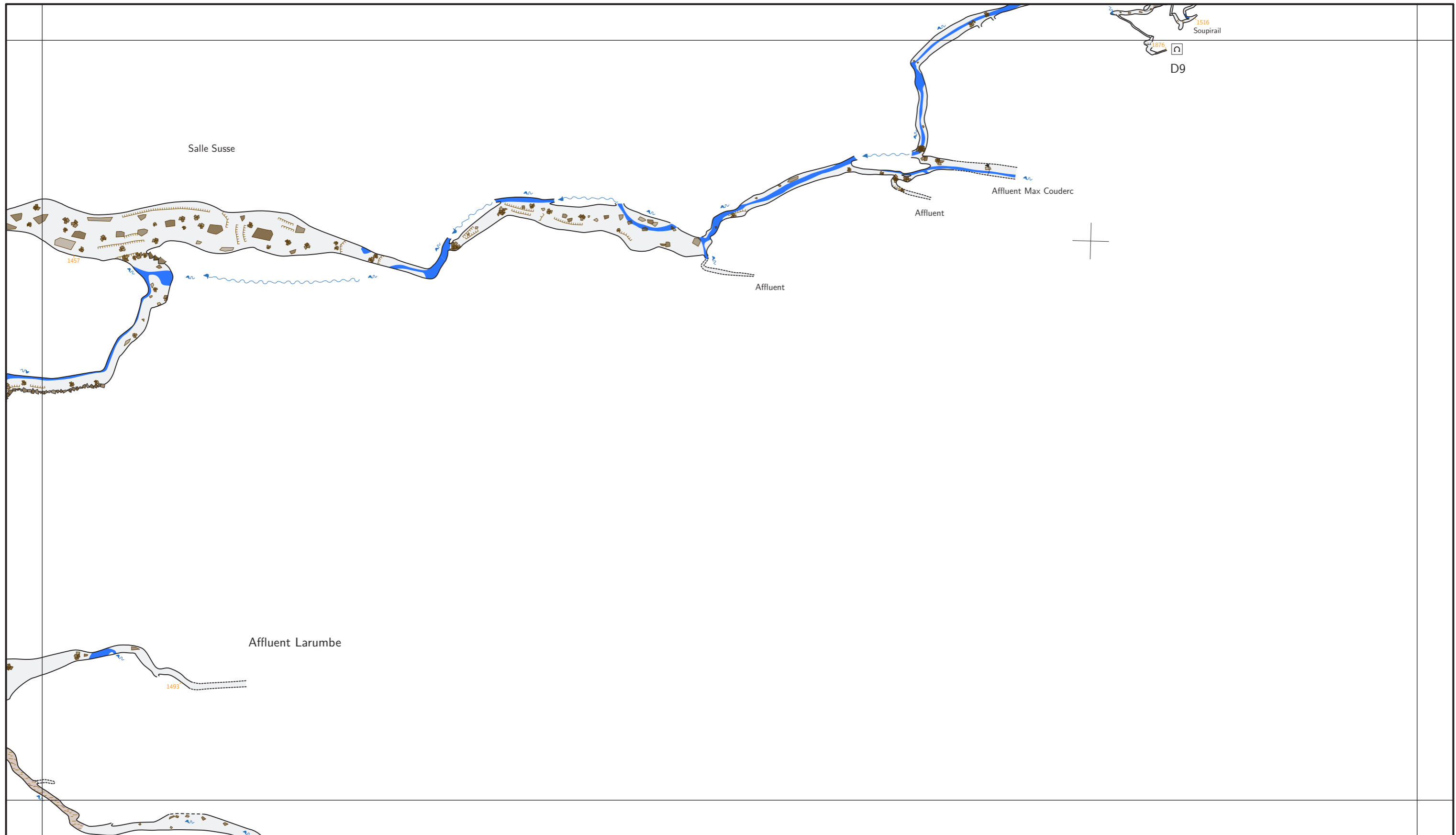
52
59 ← 61
69





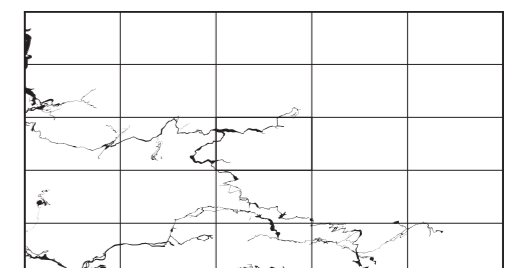
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

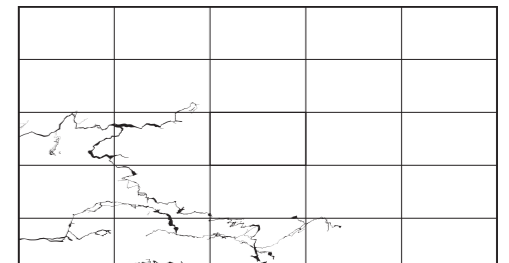
54
61 ↔ 63
71





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

55
62 ↔ 64
72





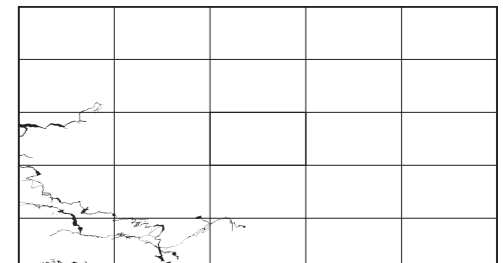
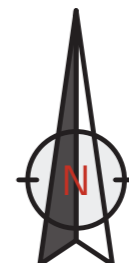
□

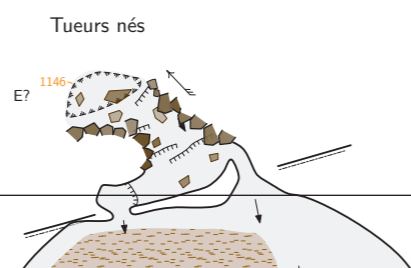
SC3



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

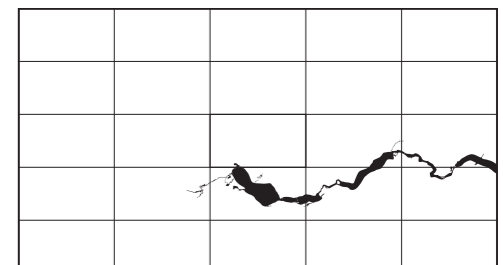
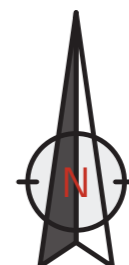
56
63
73

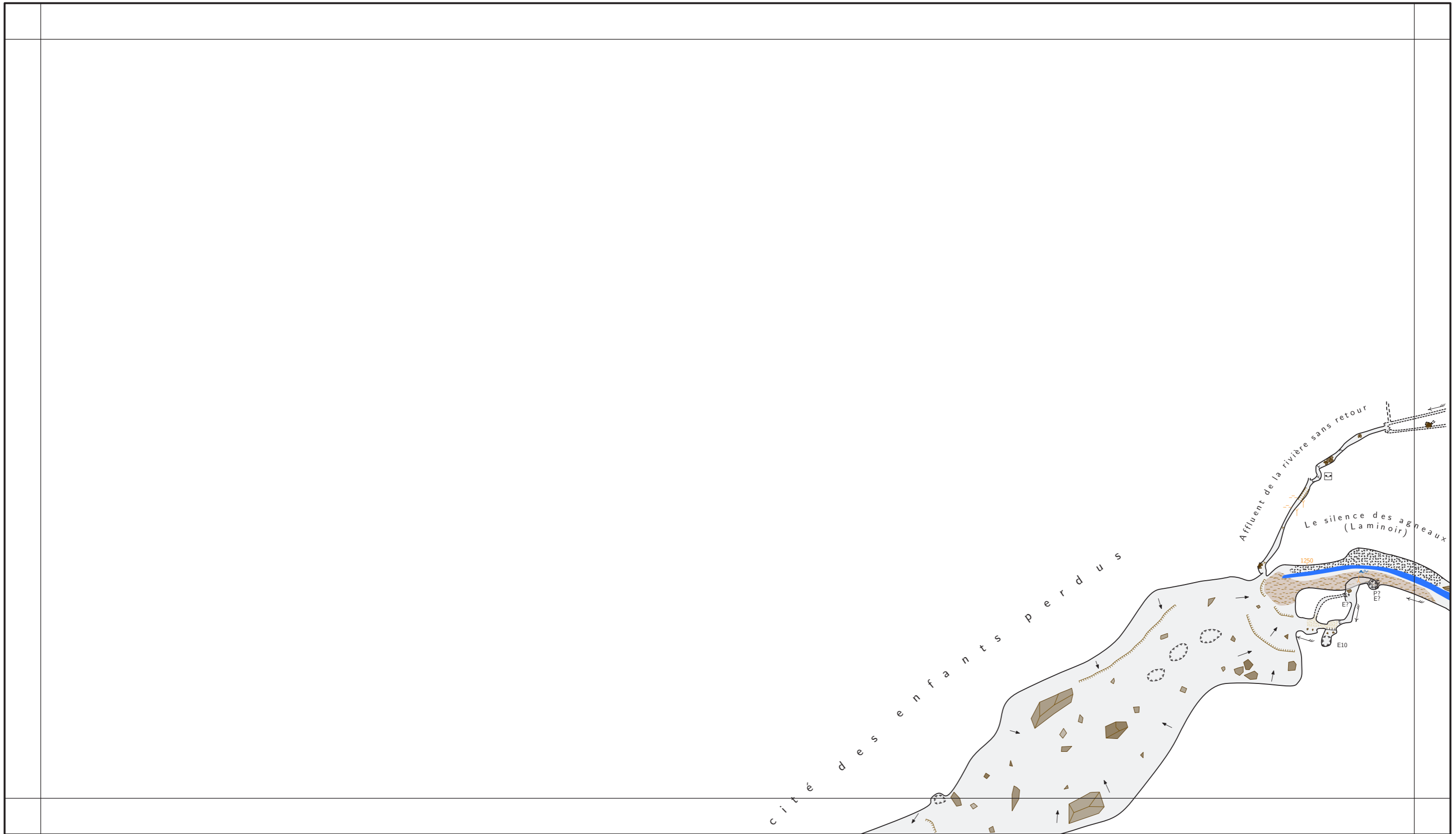




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

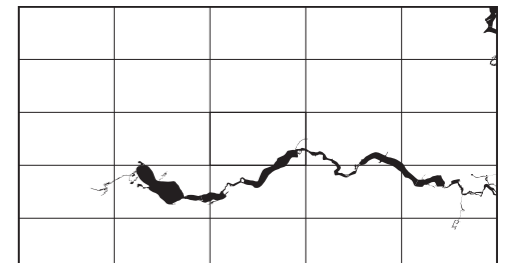
↕ 66
↔ 75

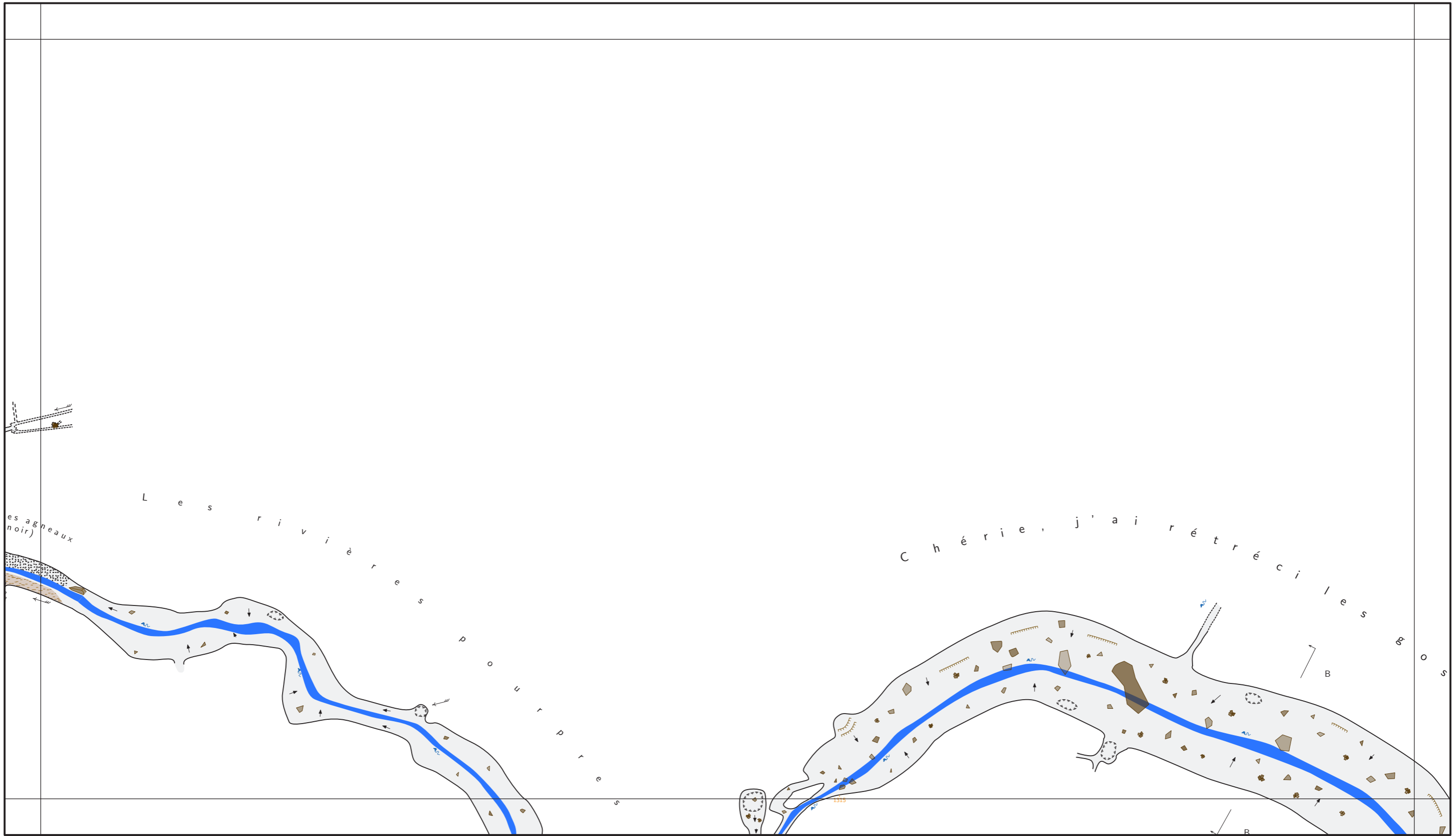




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

57
65 → 67
76

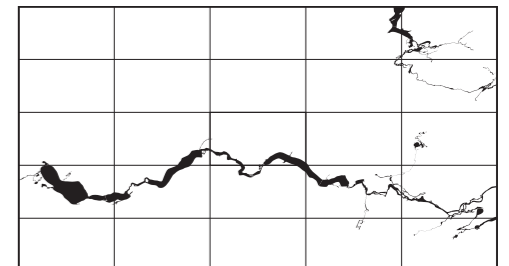




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

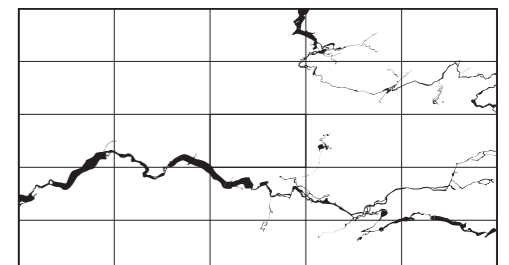
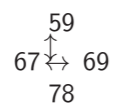
58
66 → 68
77

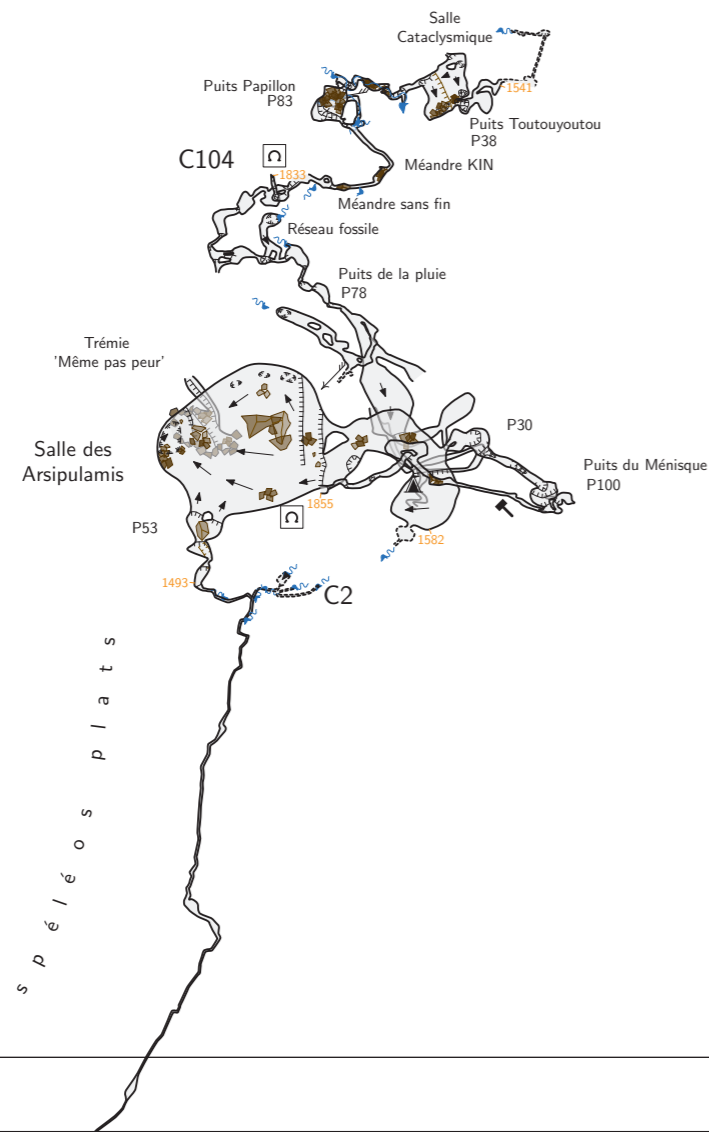
0 20 40 60 80 100m



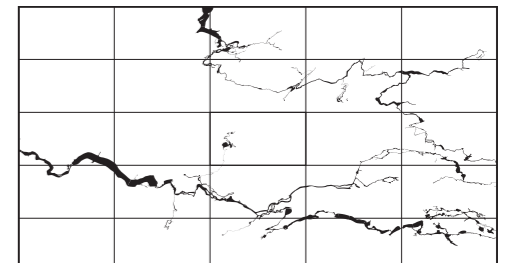
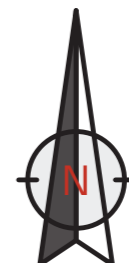
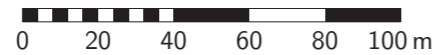
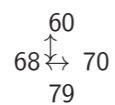


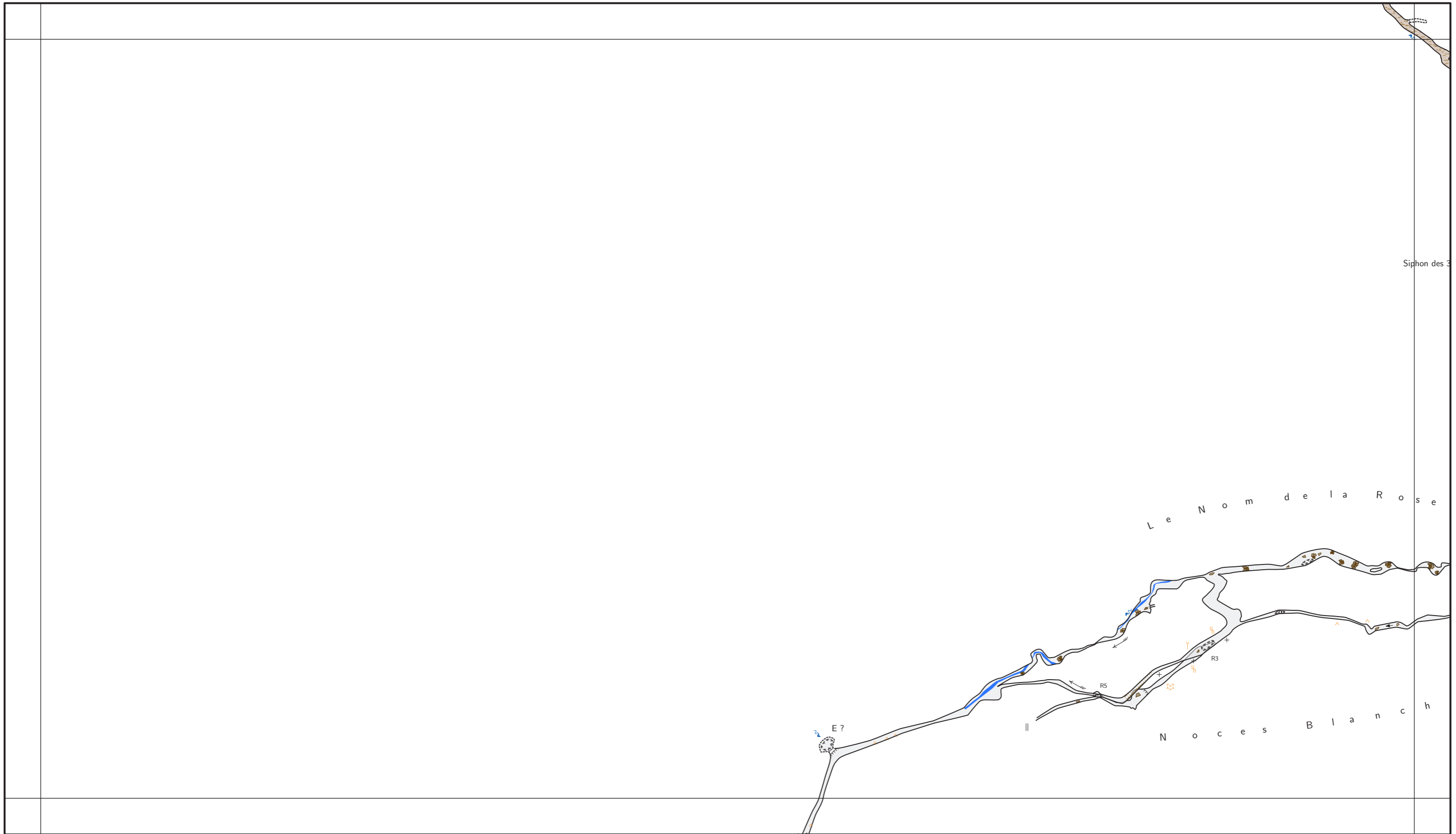
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra



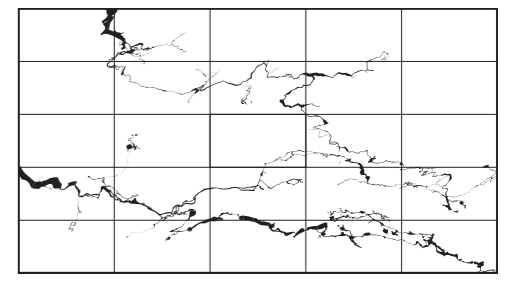
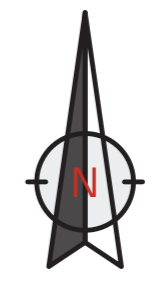
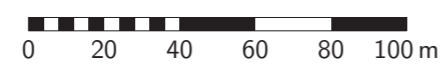
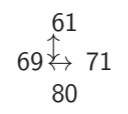


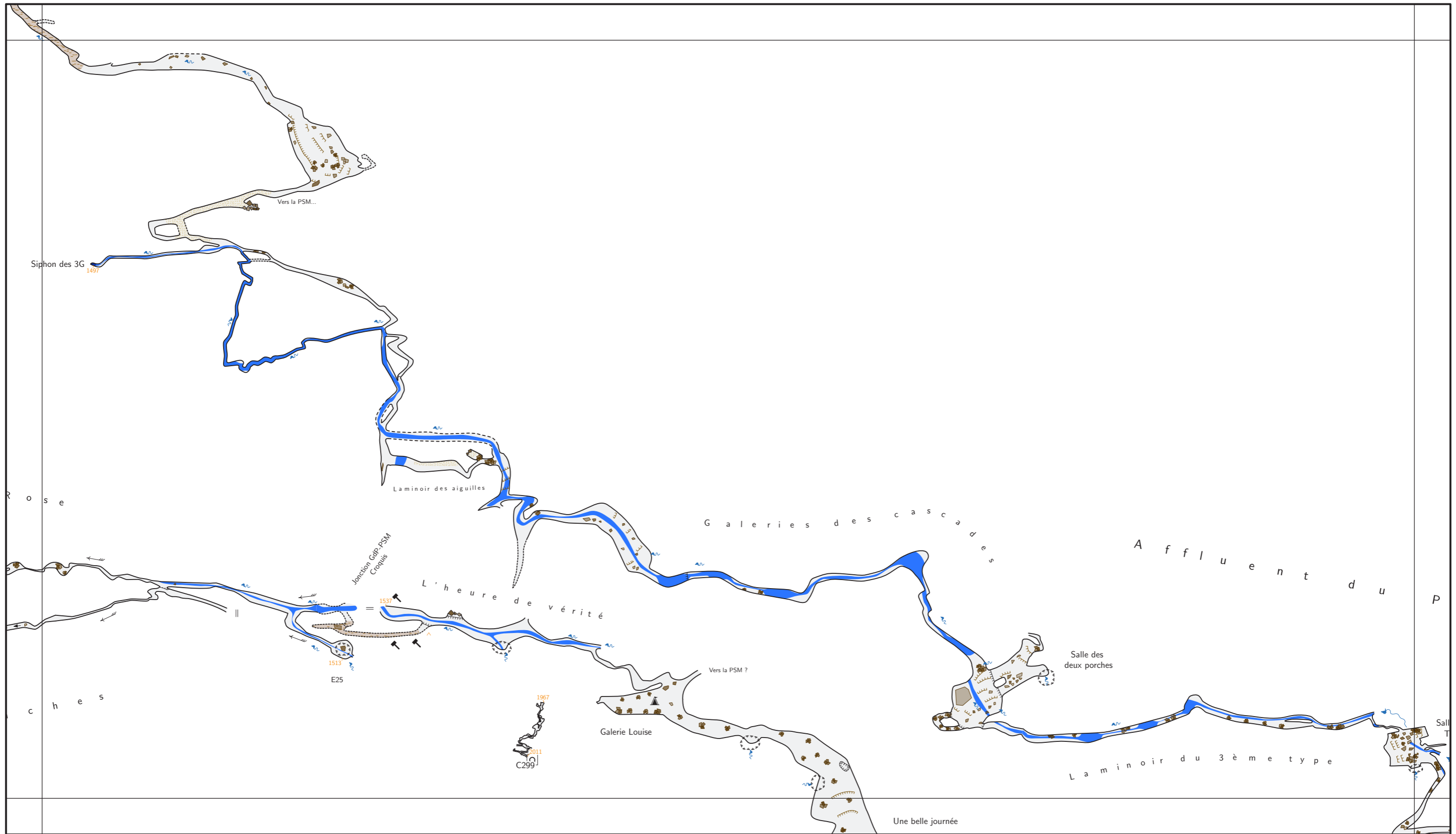
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





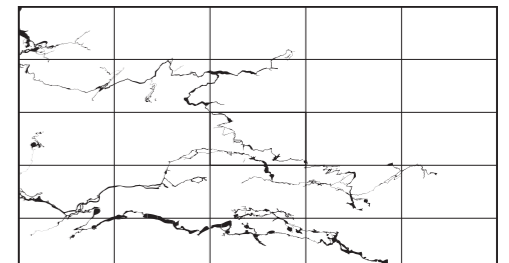
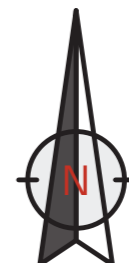
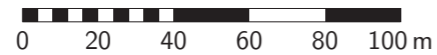
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

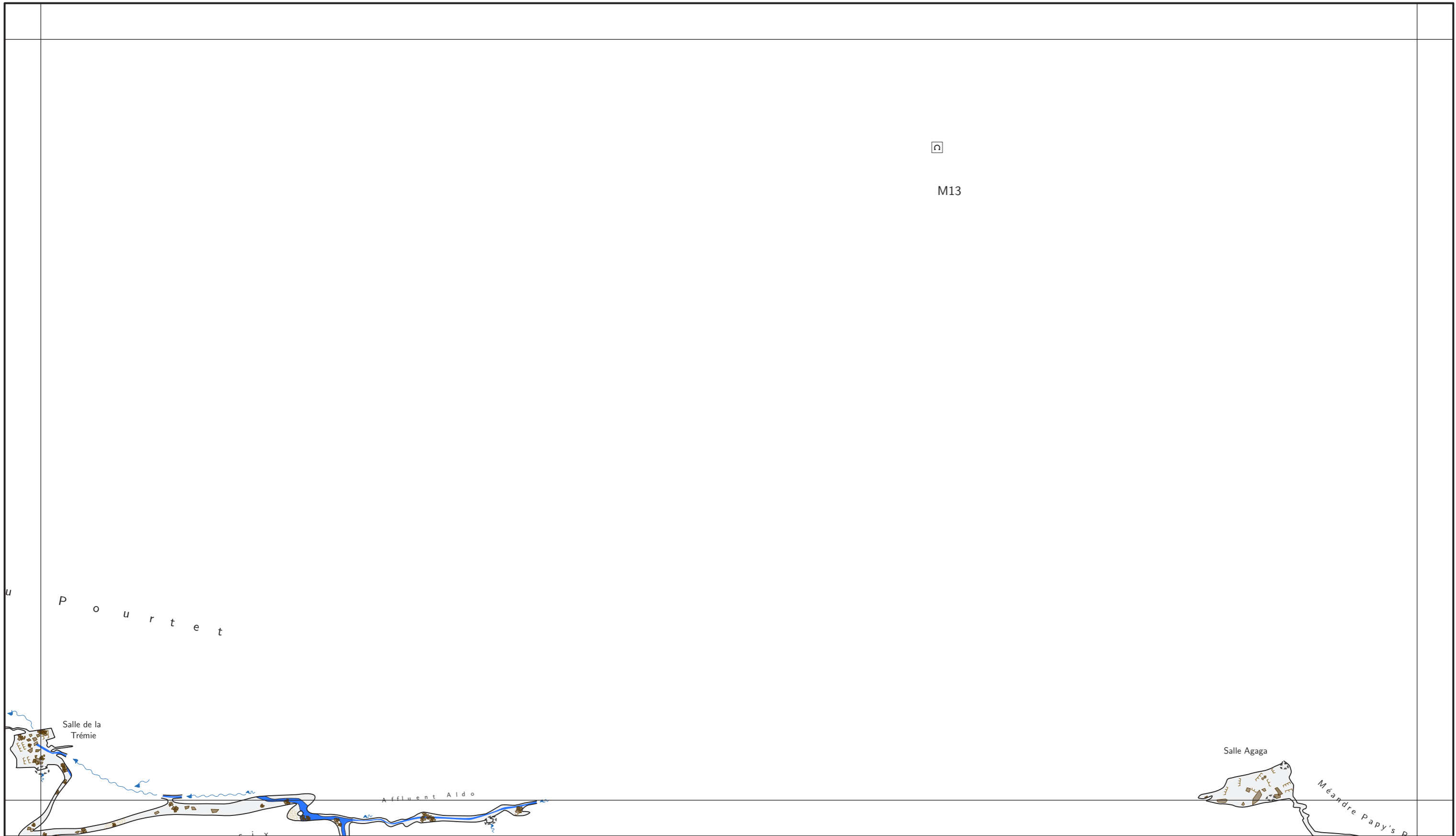




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

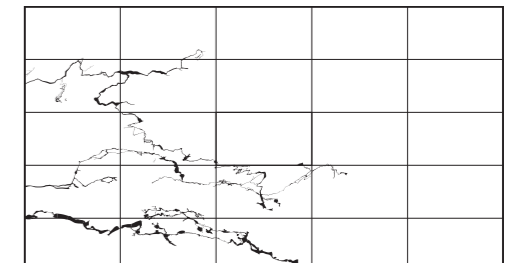
62
70 ↔ 72
81





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

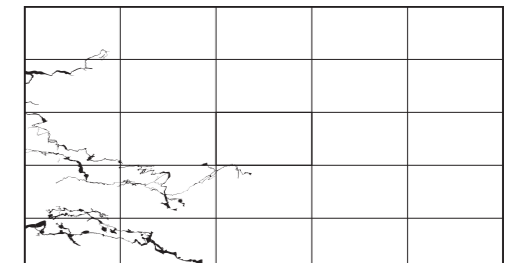
63
71 ↔ 73
82

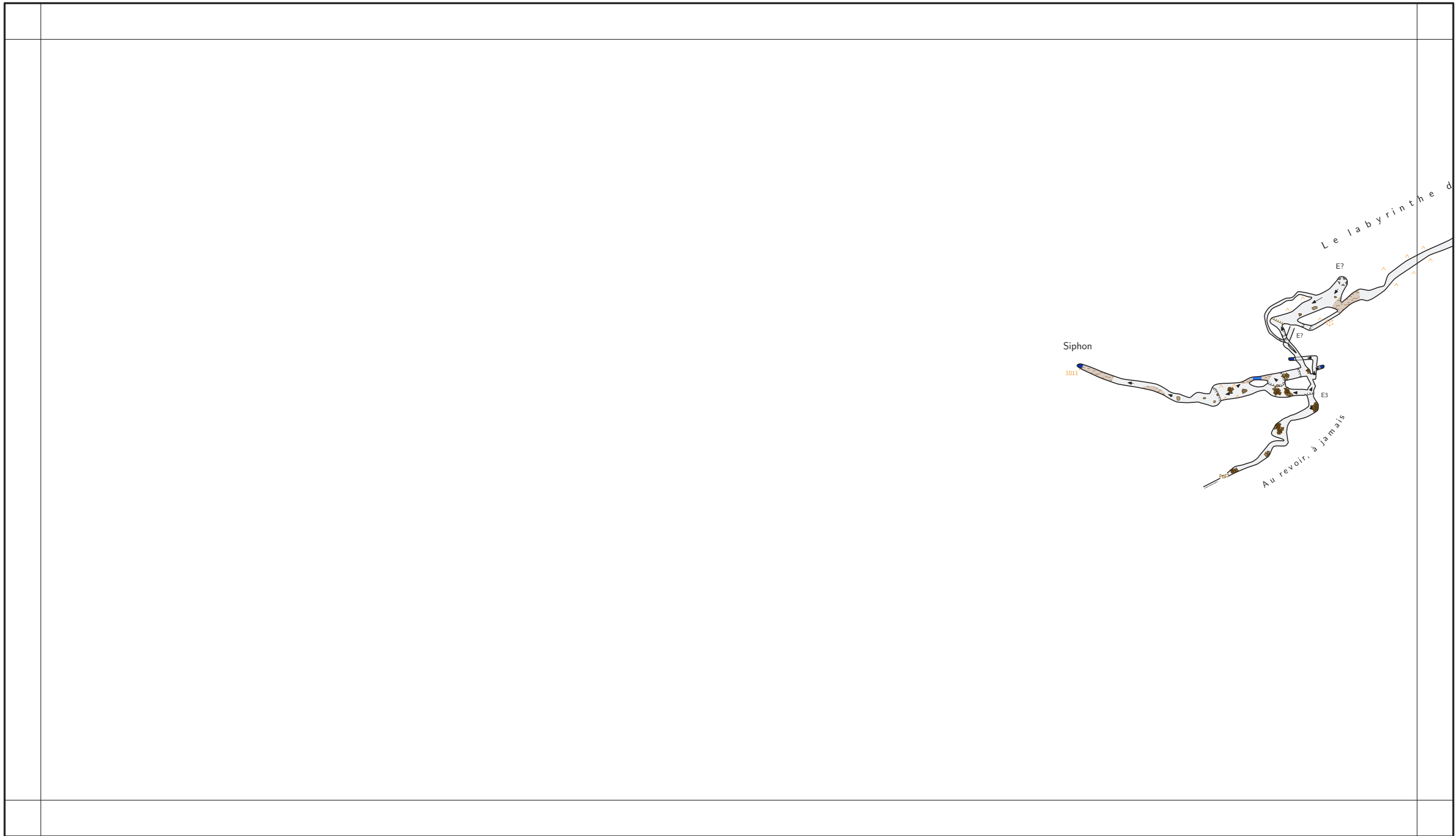




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

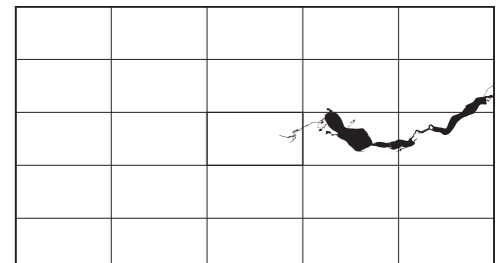
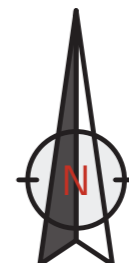
64
72 ↔
83





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

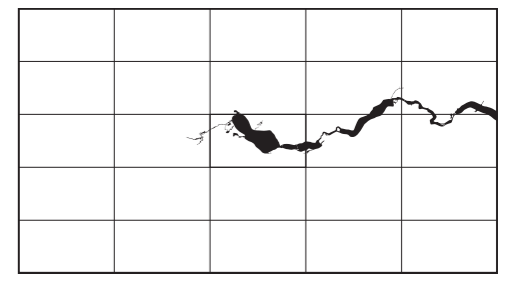
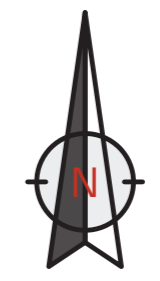
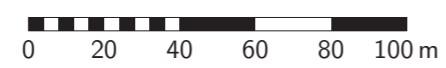
↕ 75

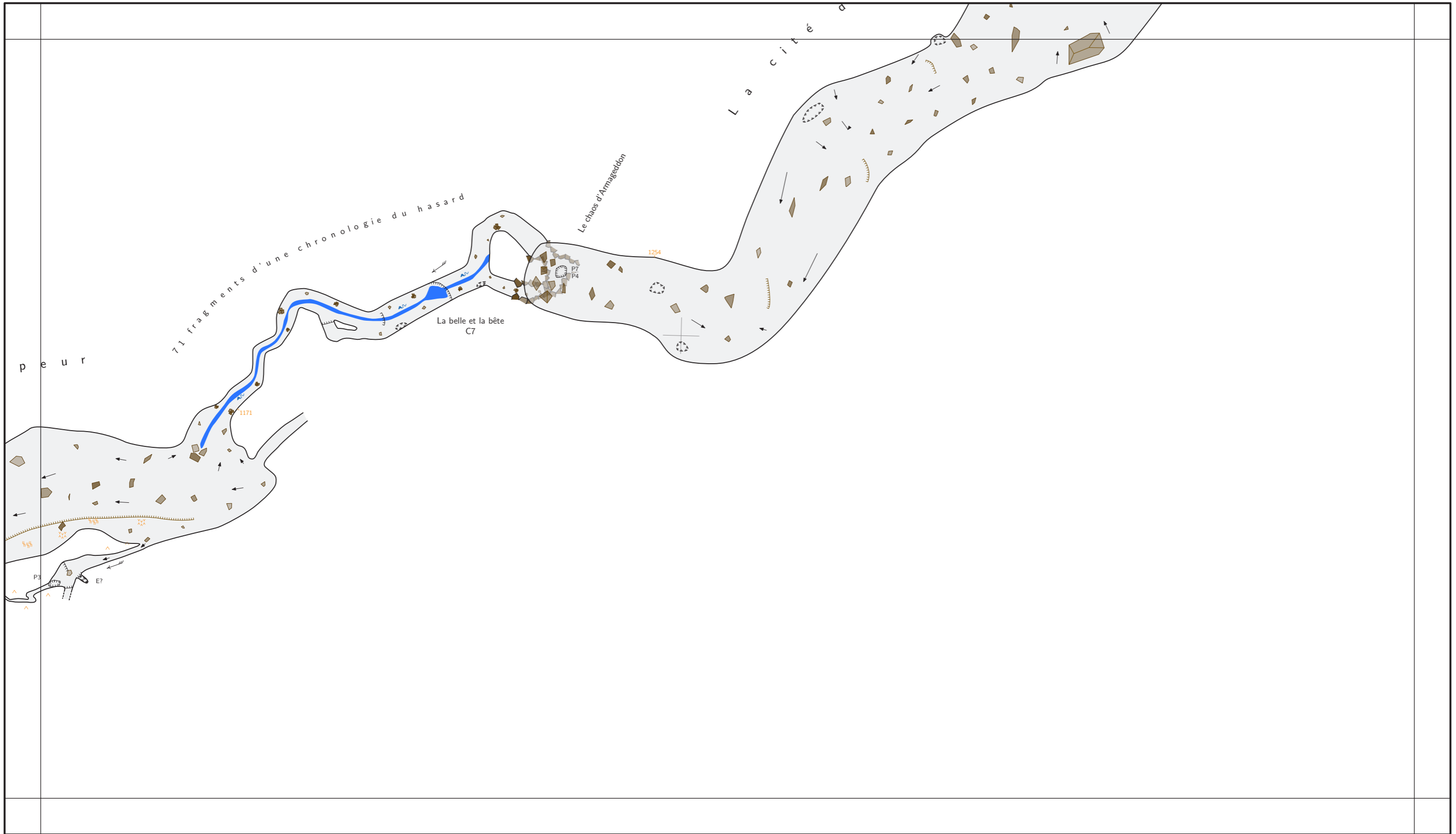




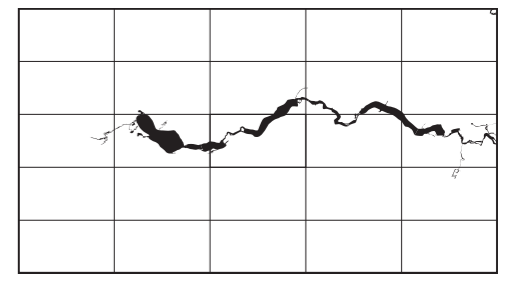
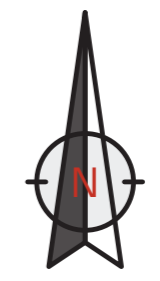
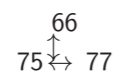
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

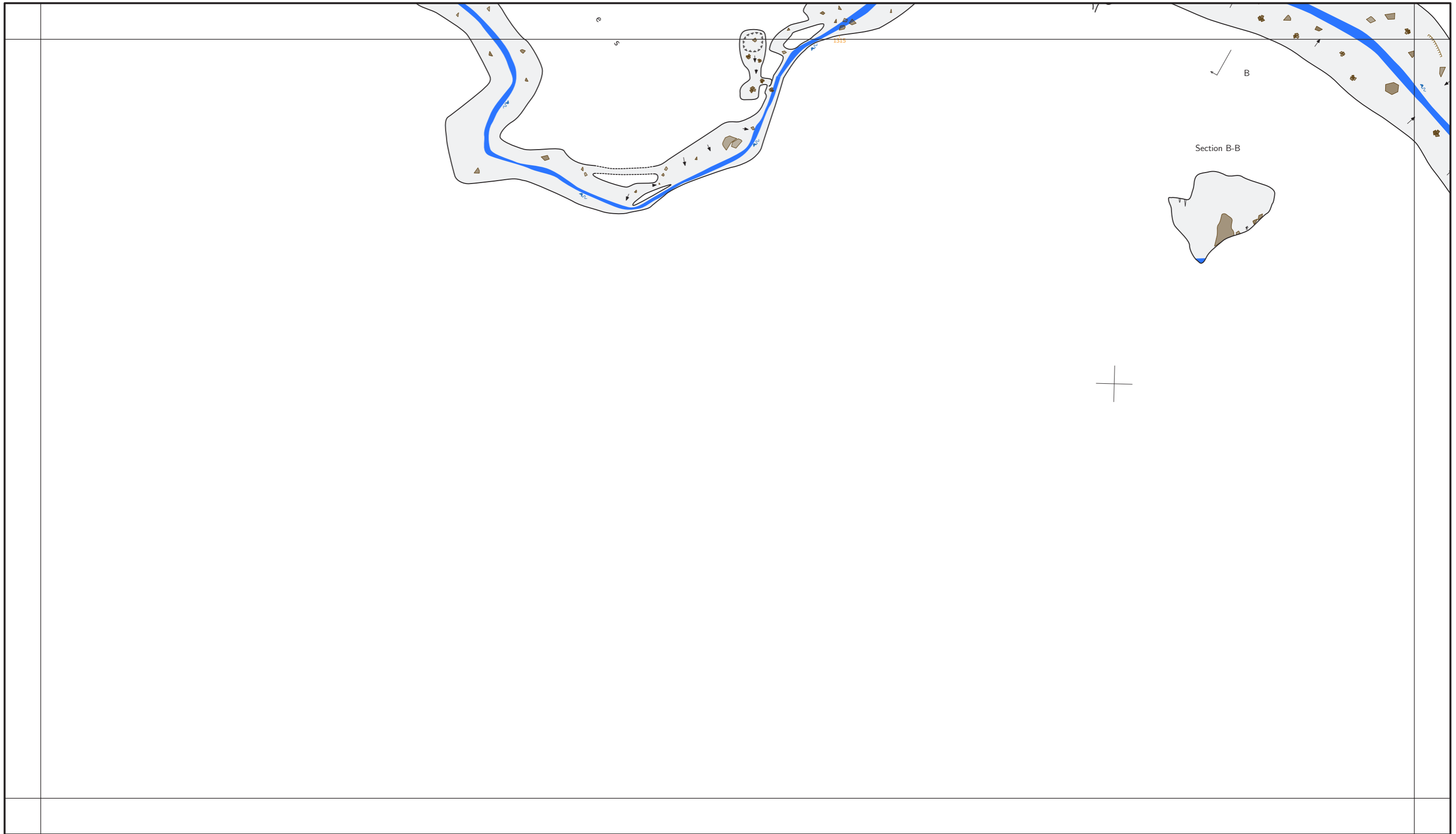
65
74 ↔ 76





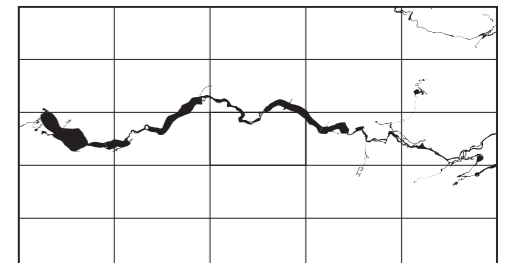
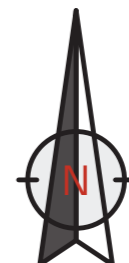
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

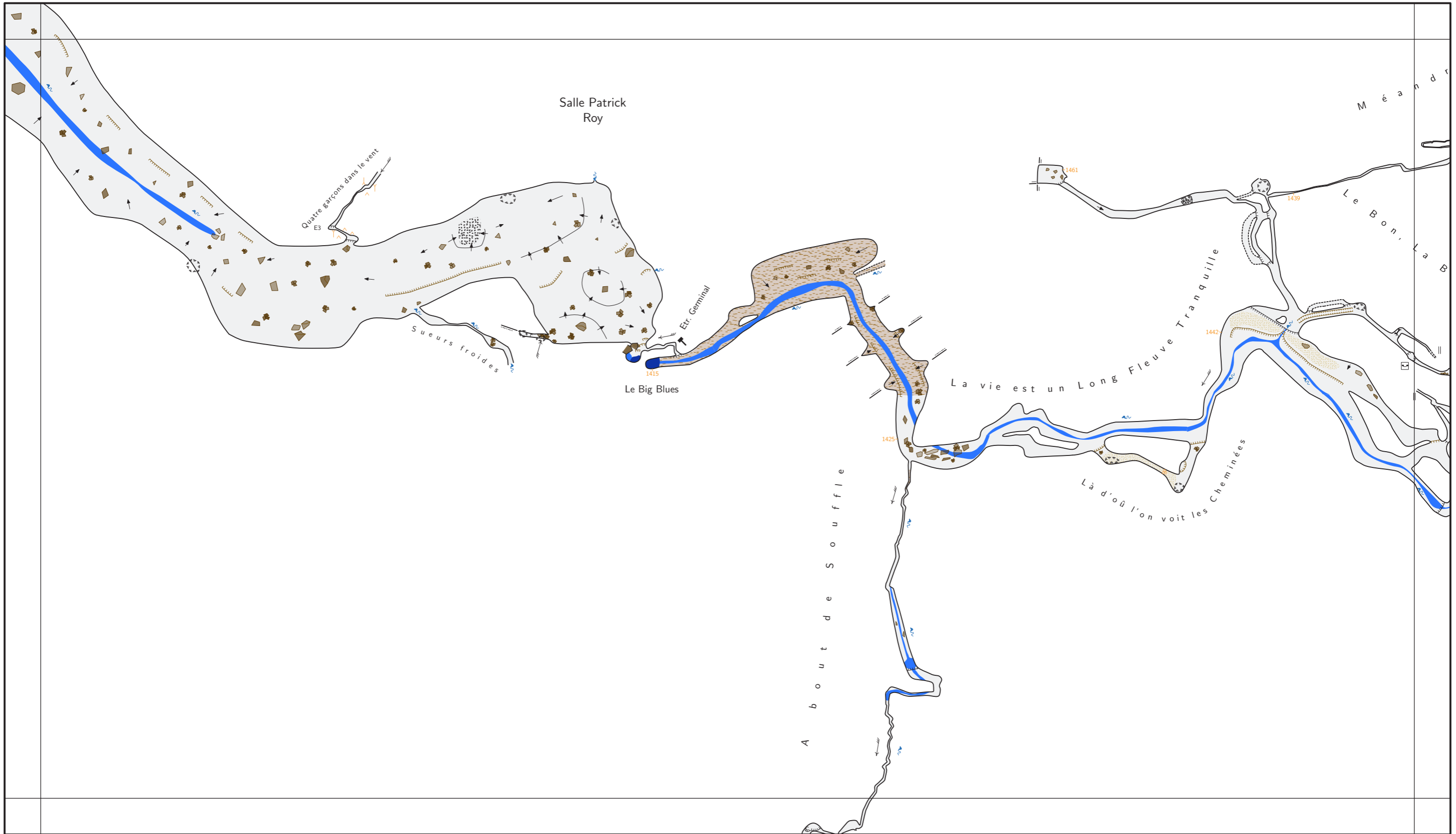




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

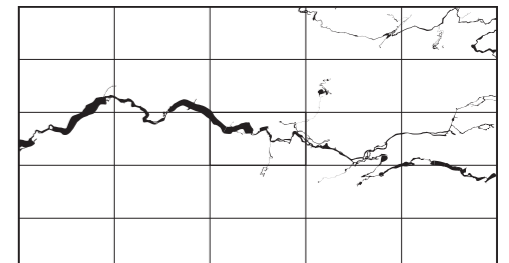
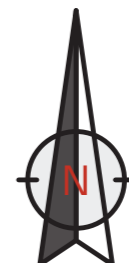
67
76 ↔ 78

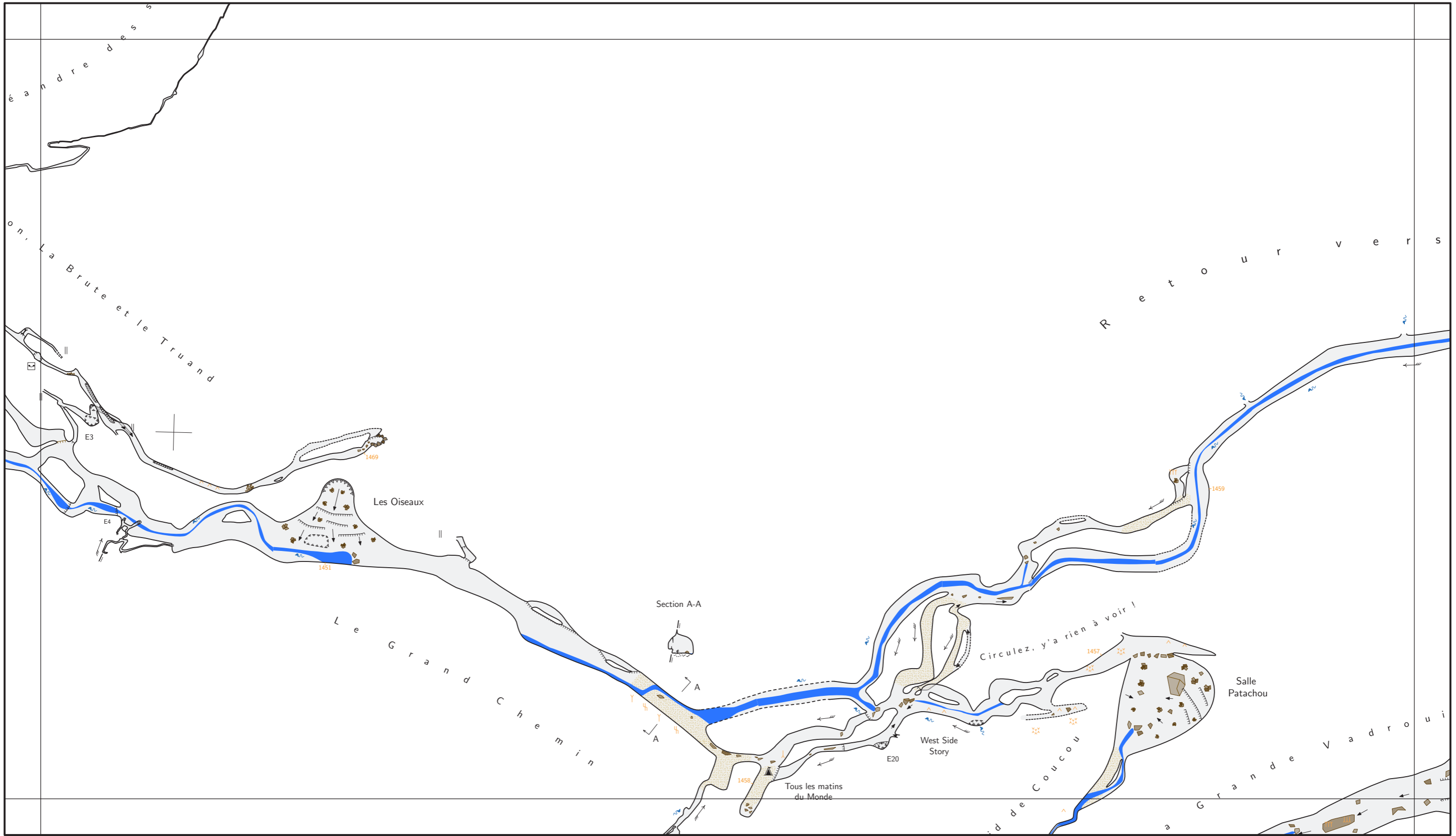




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

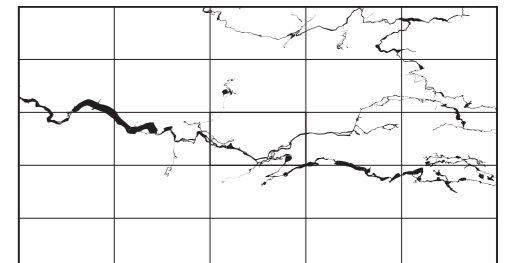
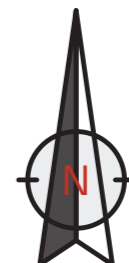
68
77 → 79
84

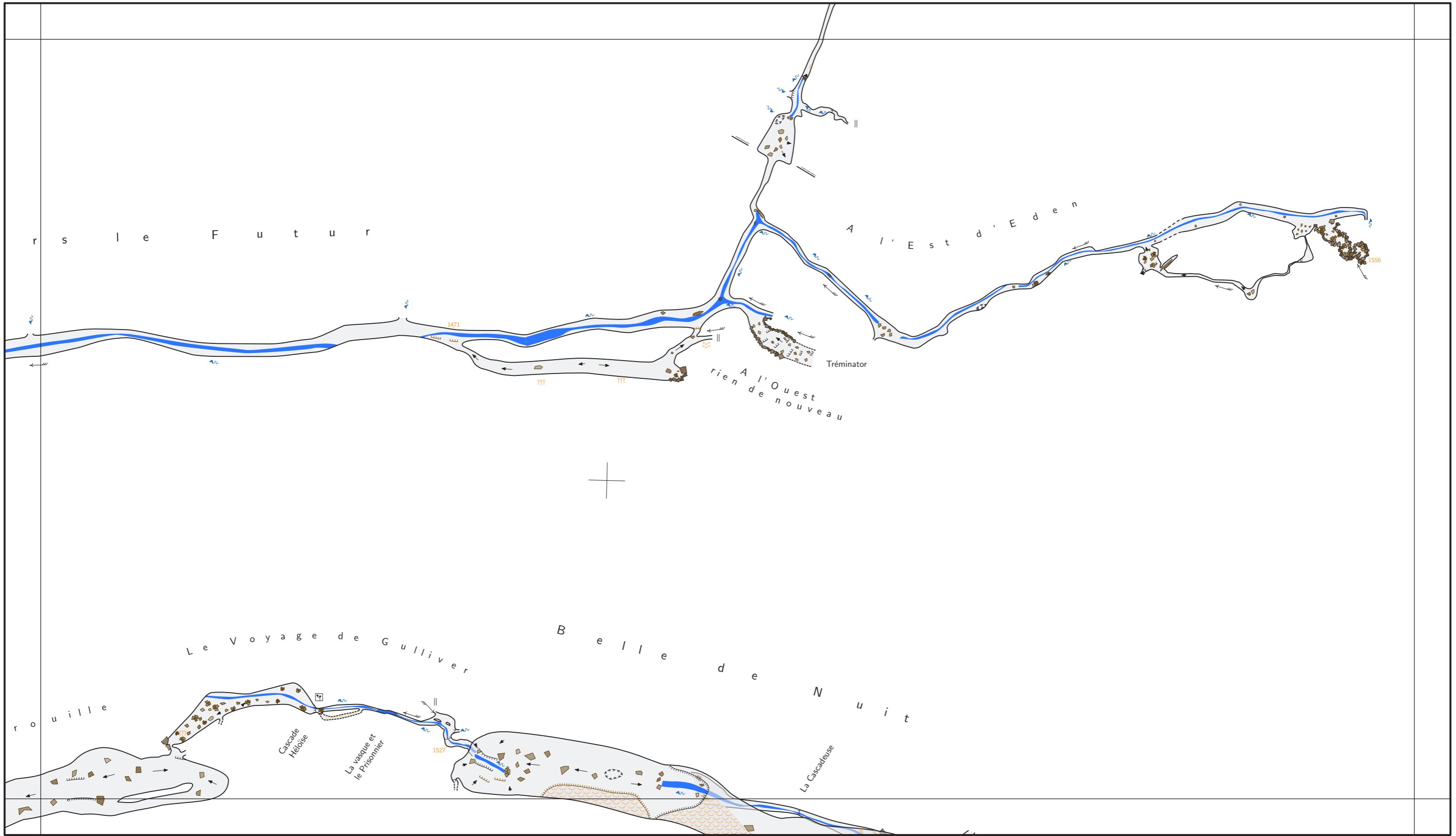




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

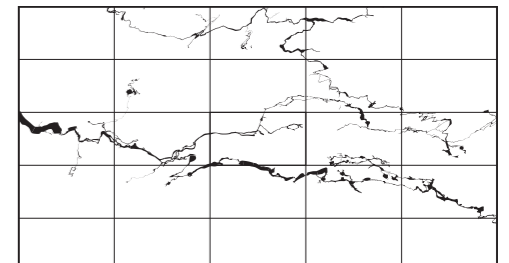
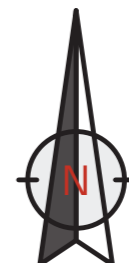
69
78 → 80
85

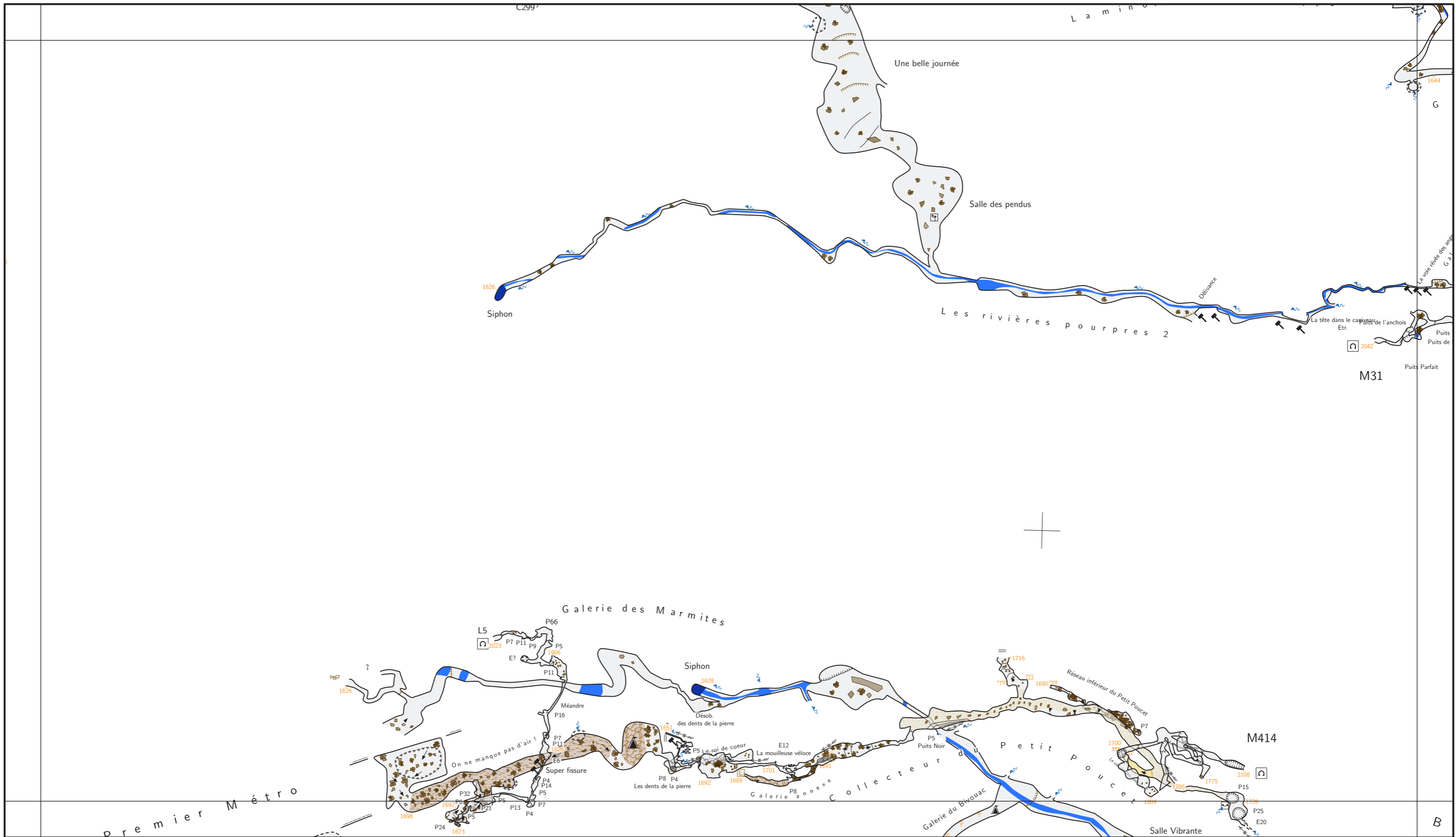




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

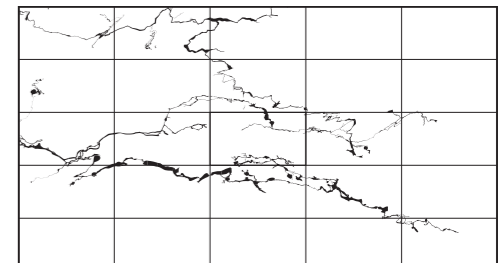
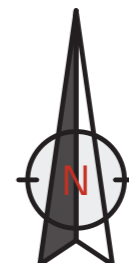
70
79 → 81
86

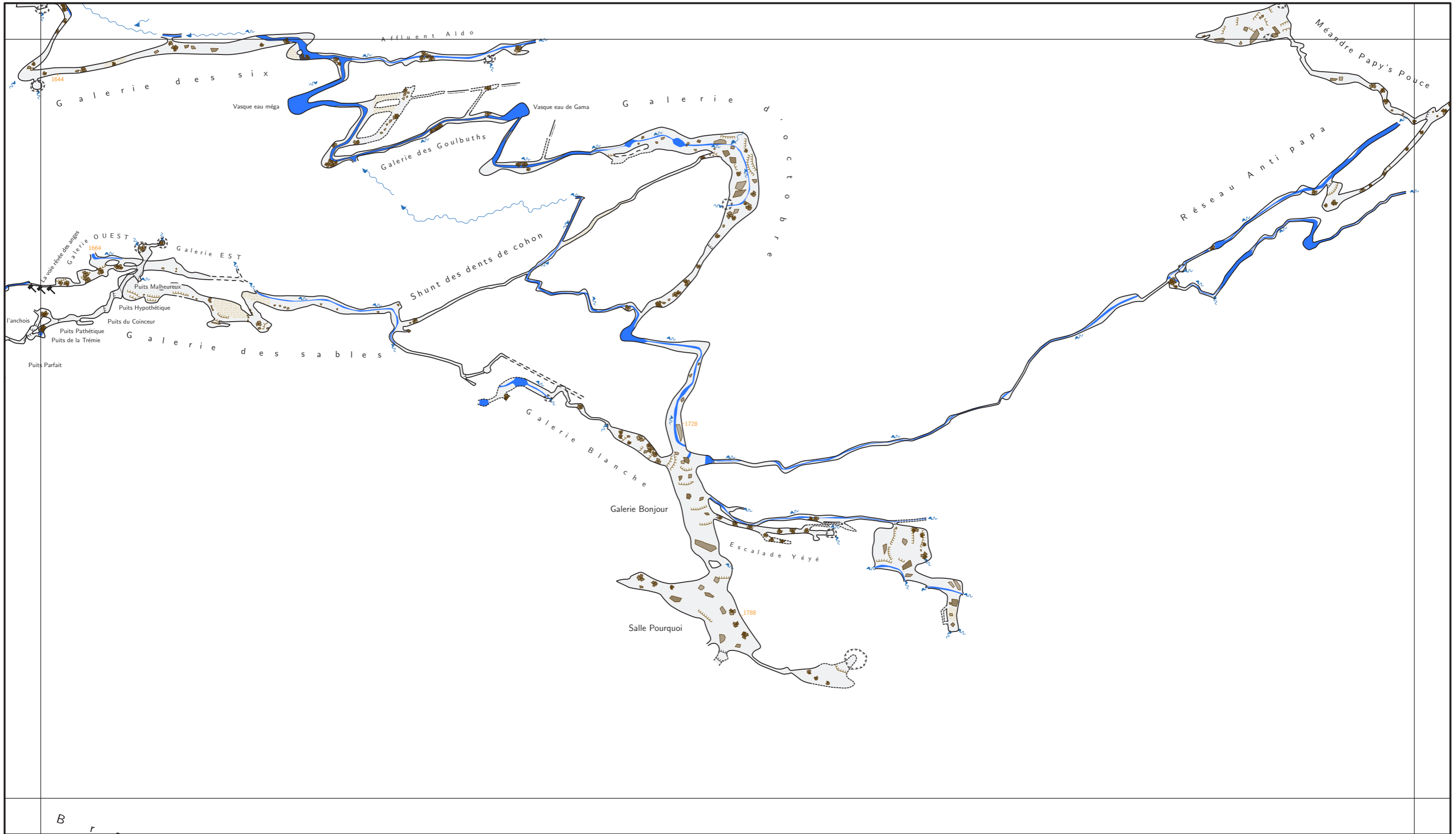




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

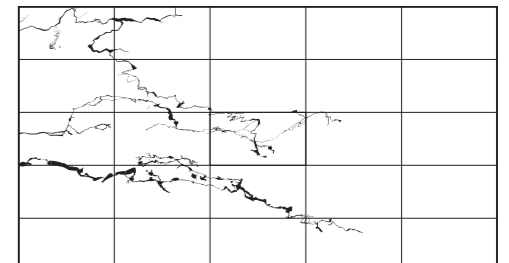
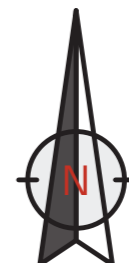
71
80 → 82
87

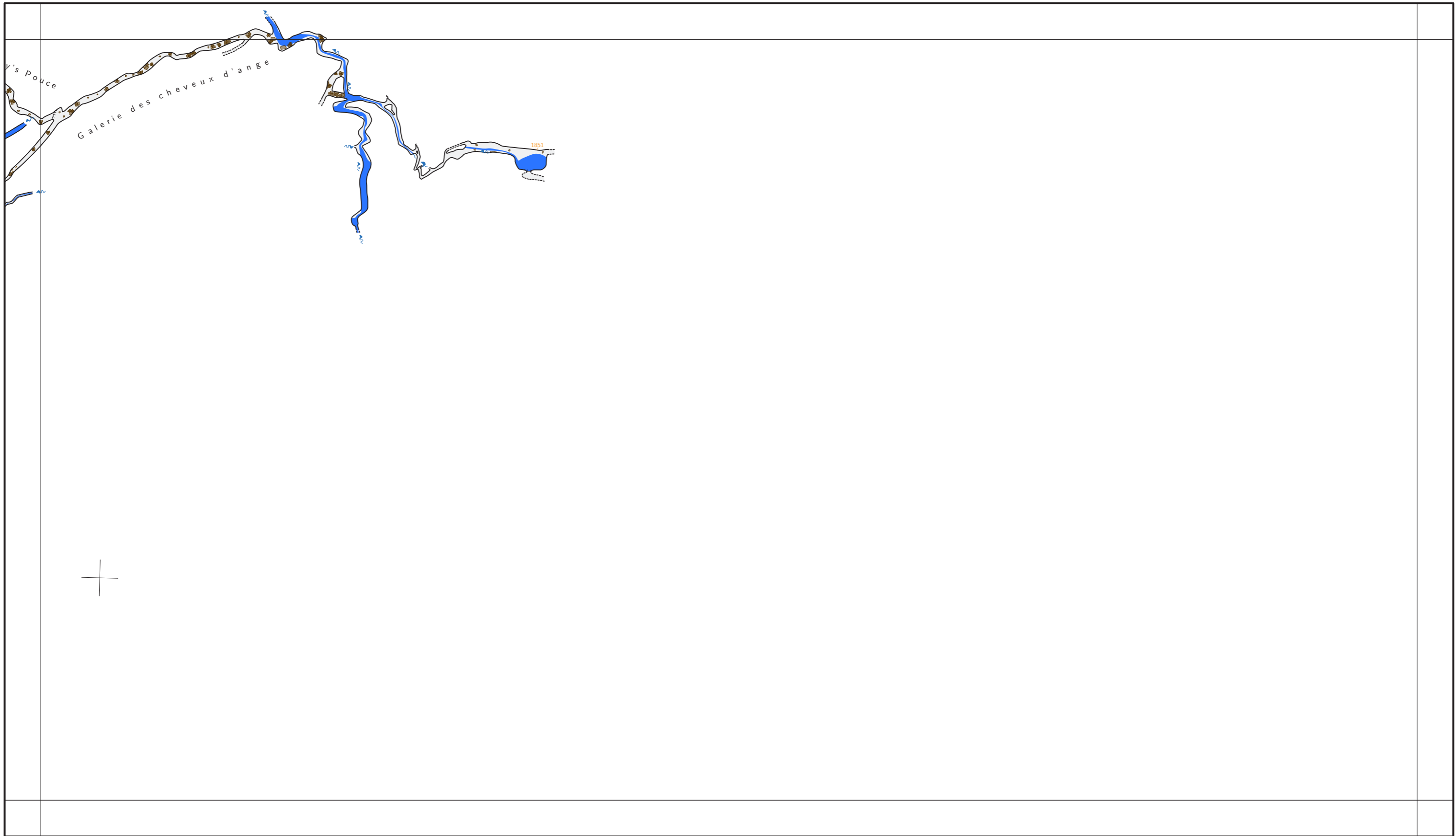




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

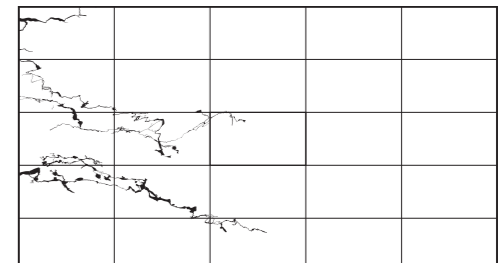
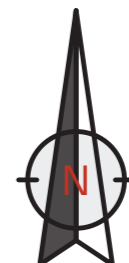
72
81 ↔ 83
88

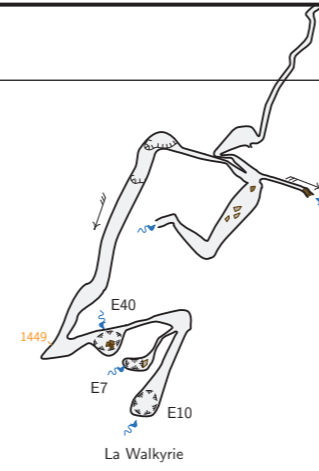




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

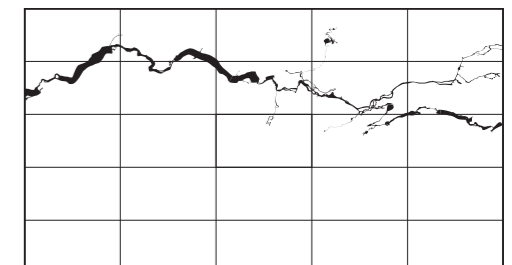
73
 82
 89

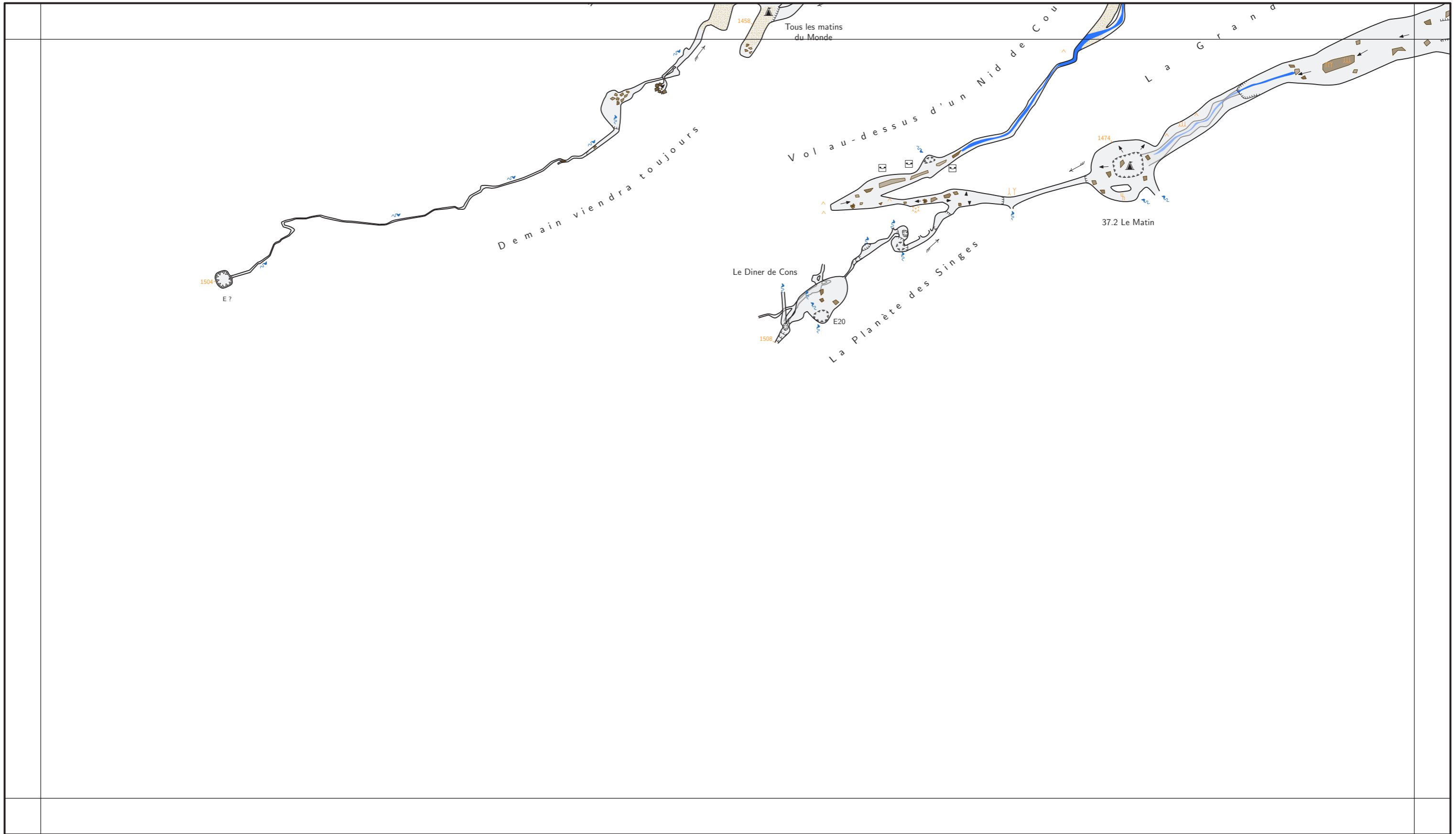




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

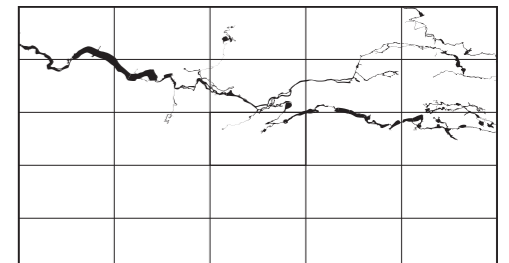
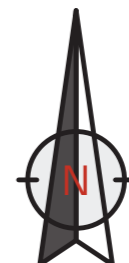
78
↕
85

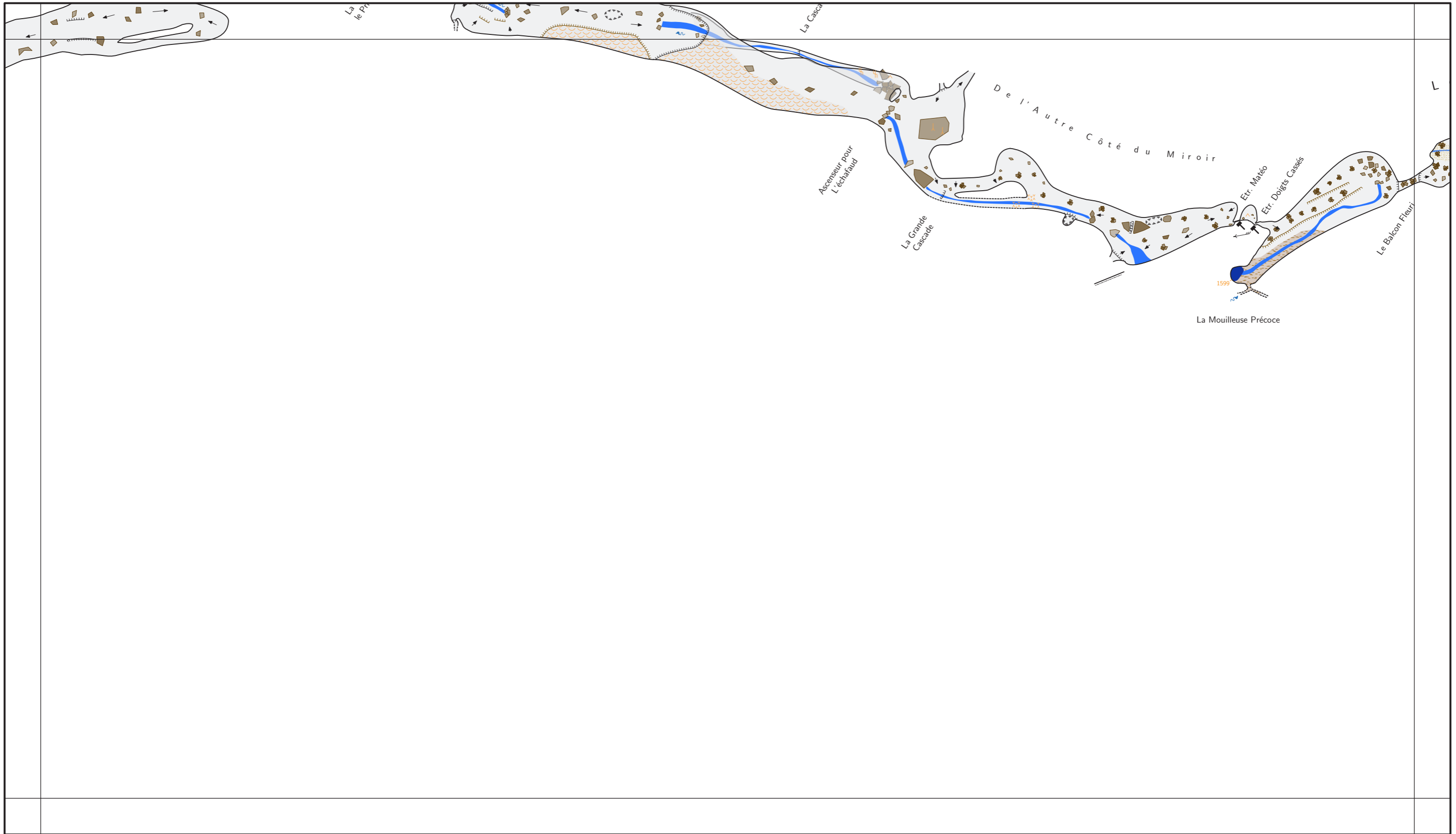




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

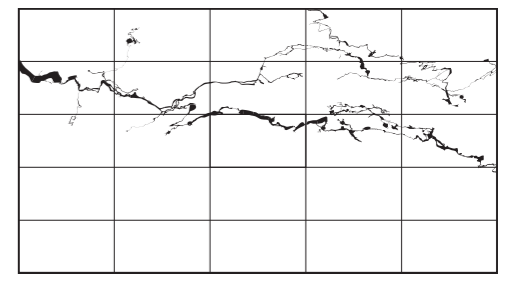
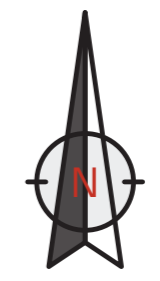
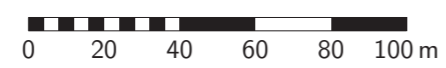
79
84 ↔ 86

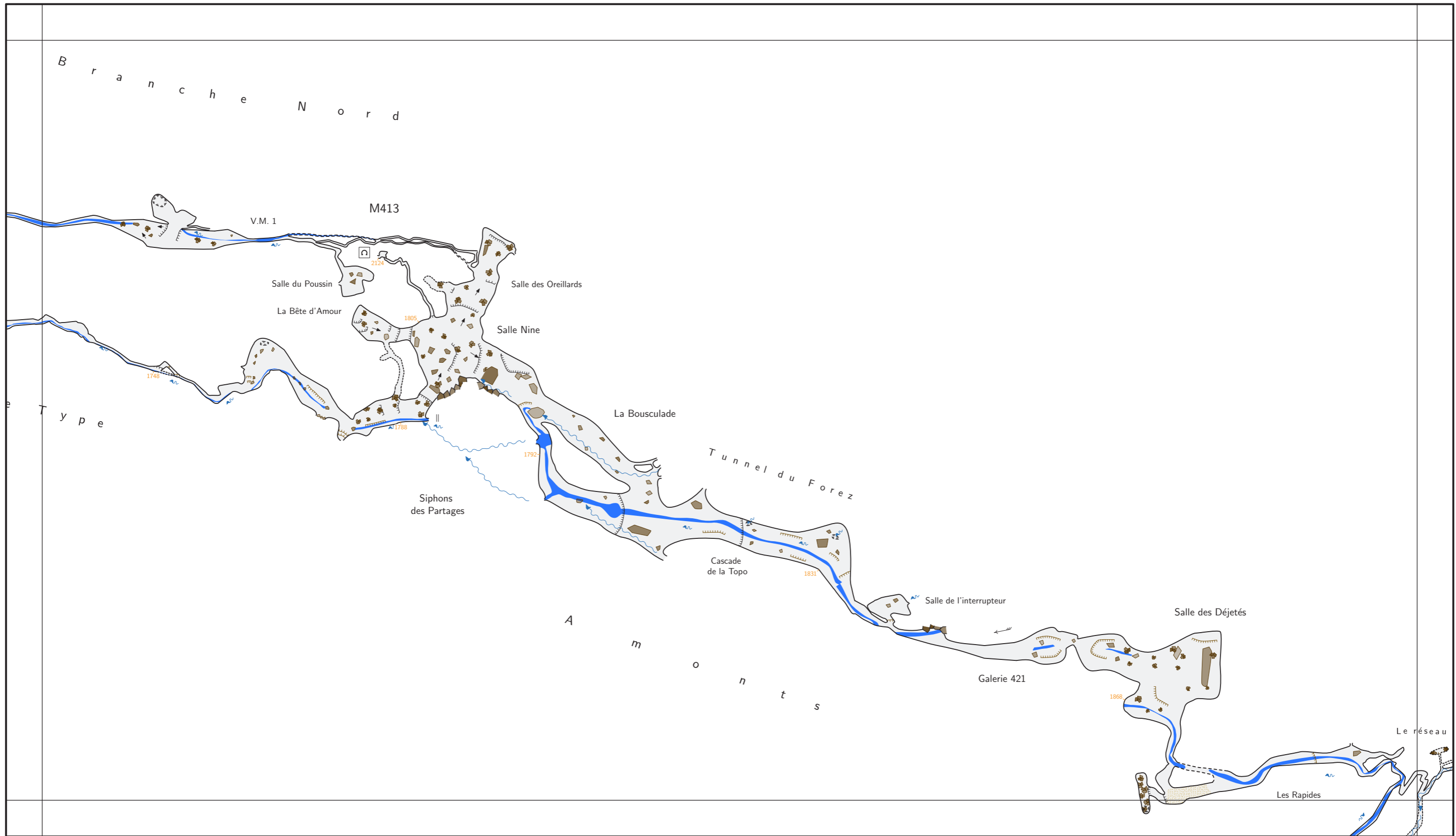




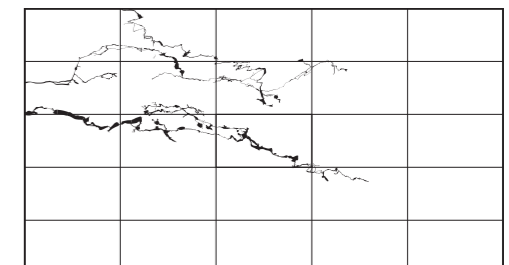
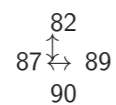
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

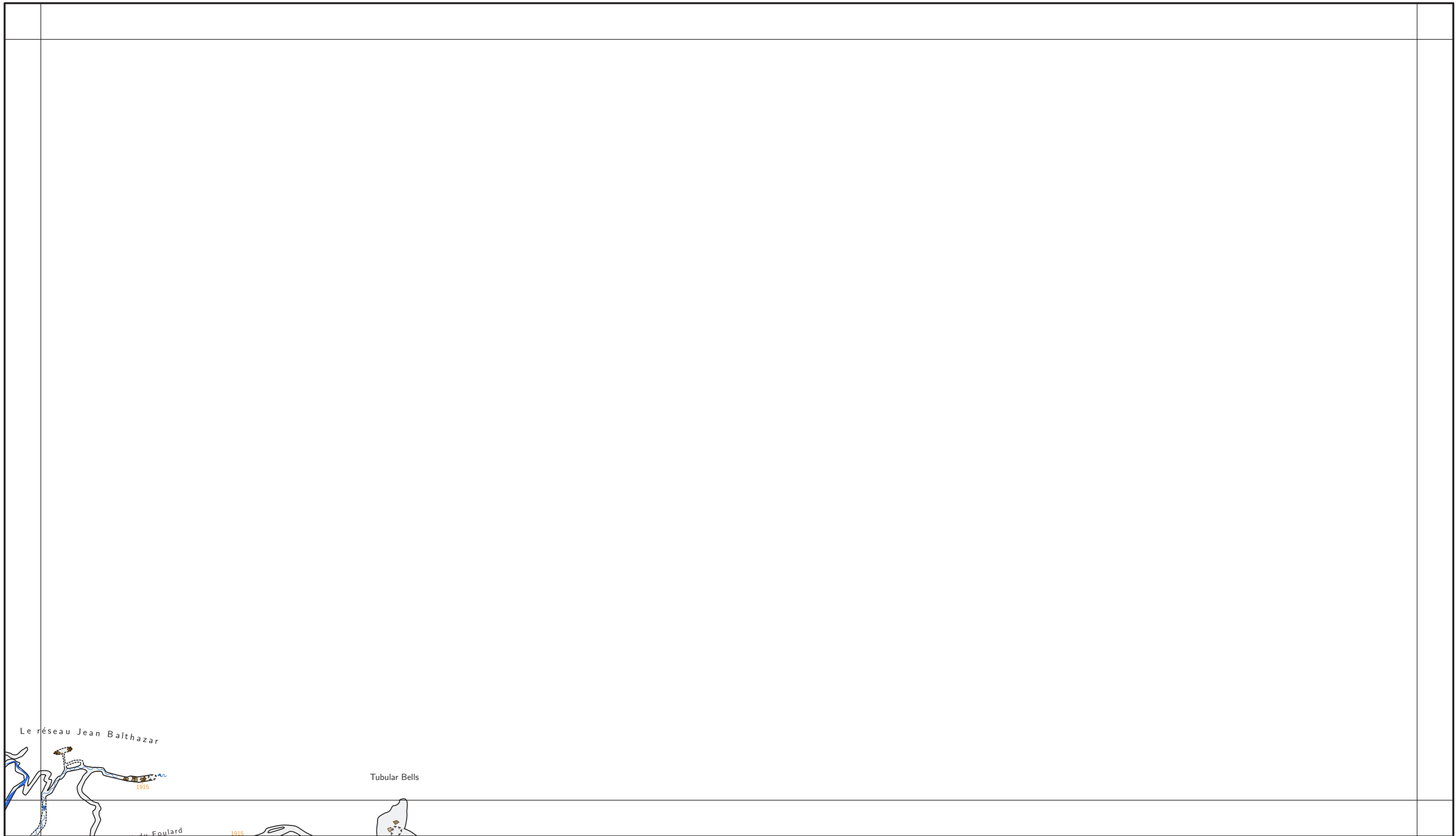
80
85 ↔ 87





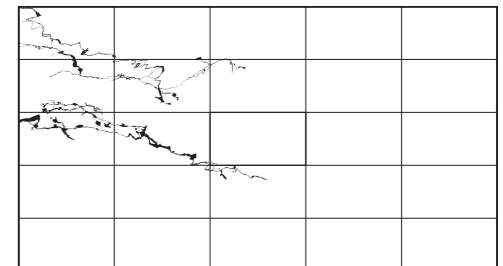
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

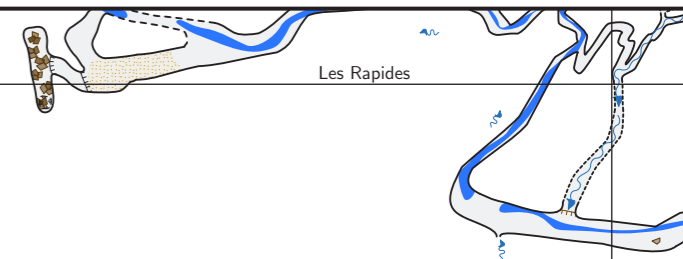




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

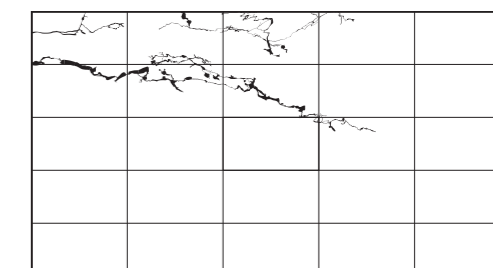
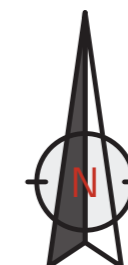
83
88
91

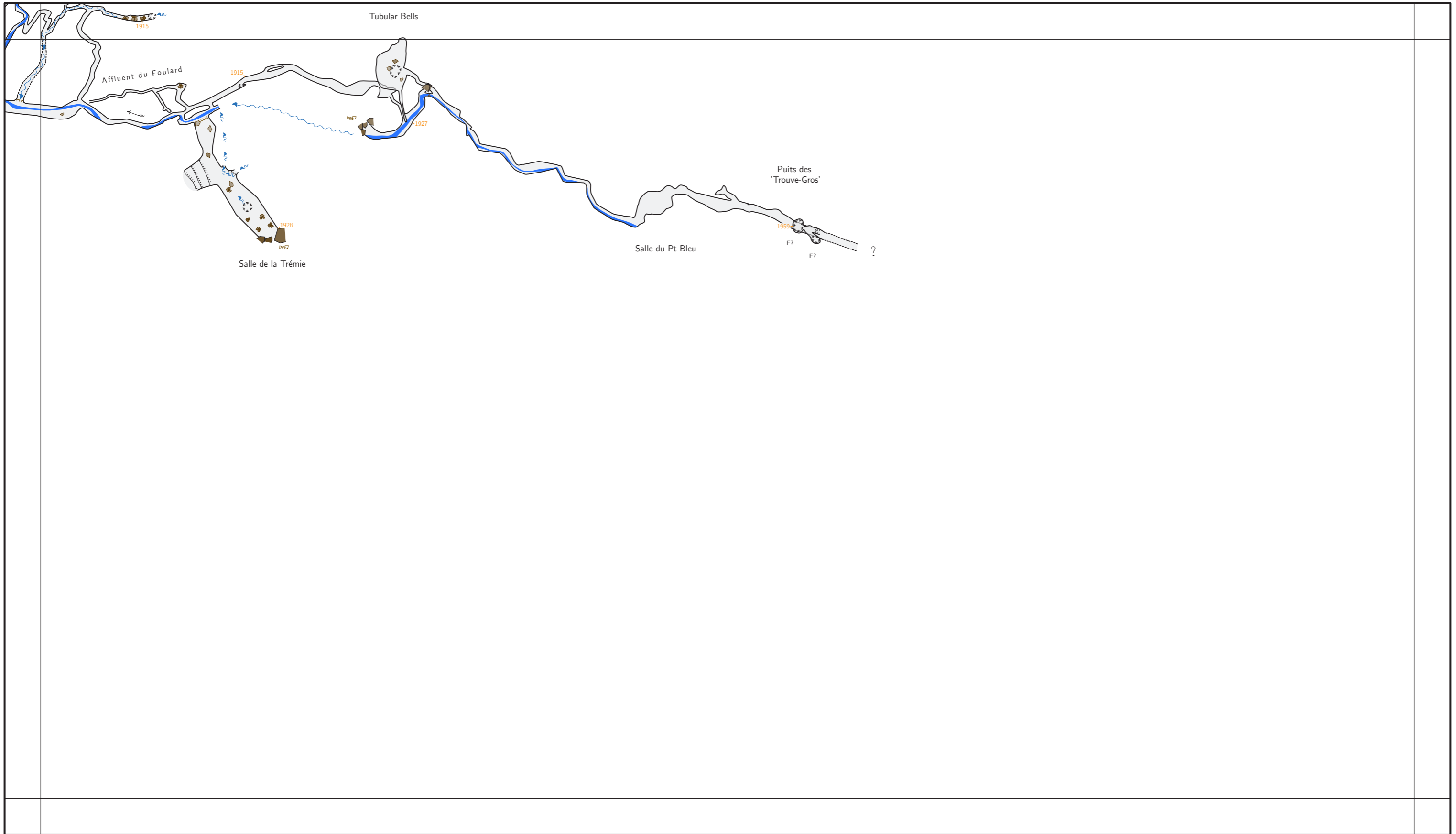




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

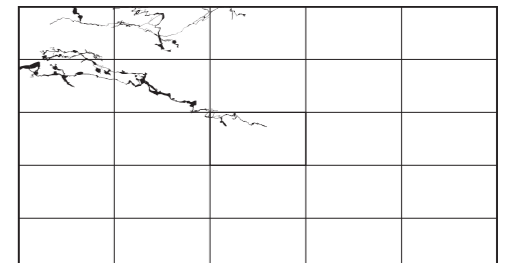
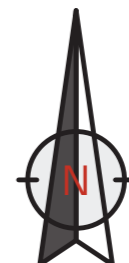
88
↕
91

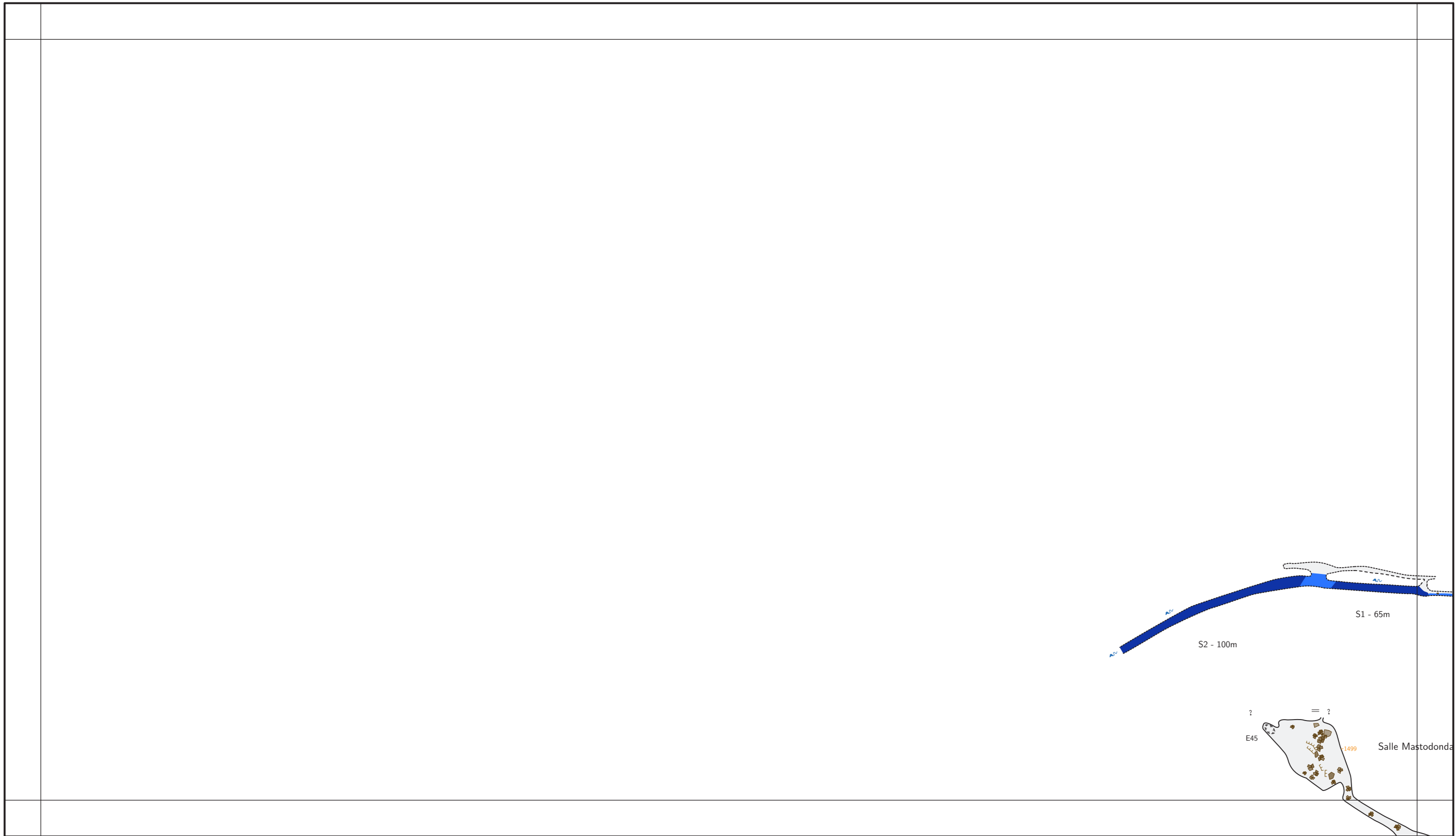




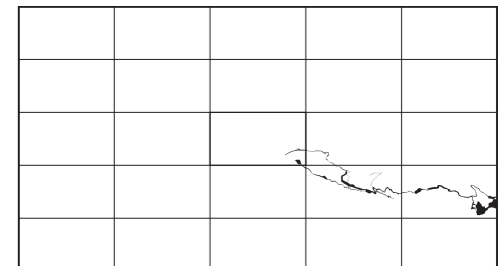
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

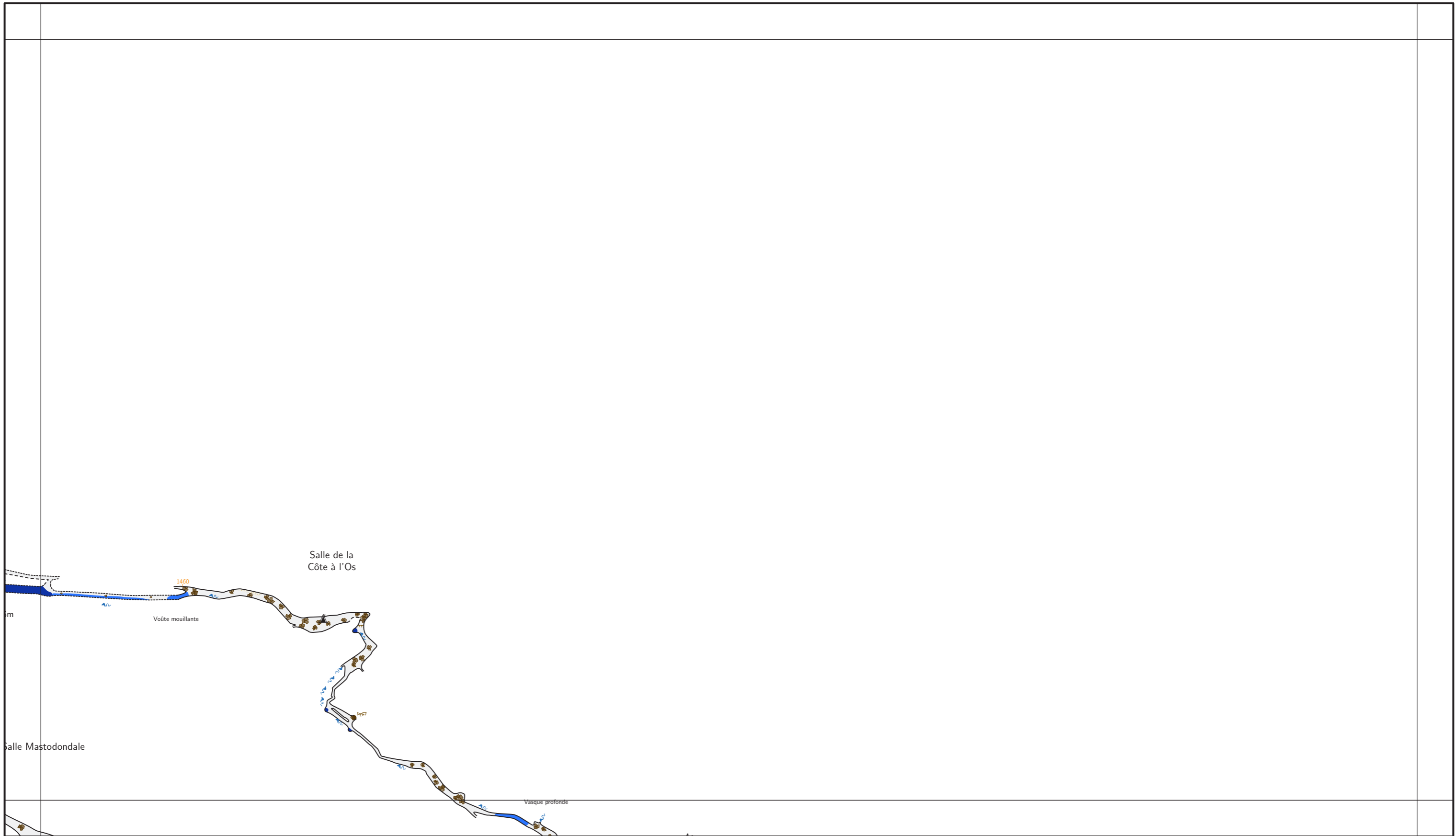
89
90 ↔





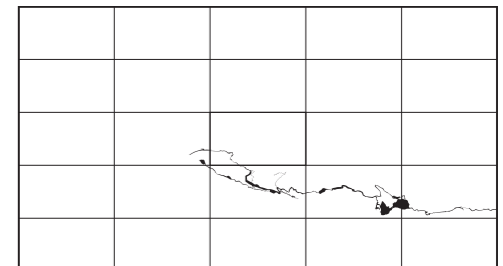
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

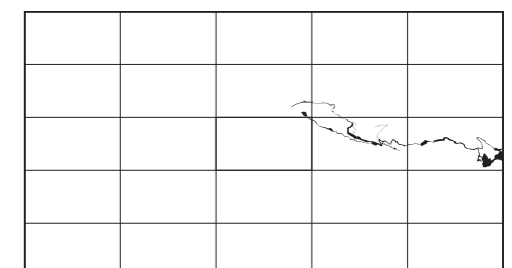
92 ↕
95

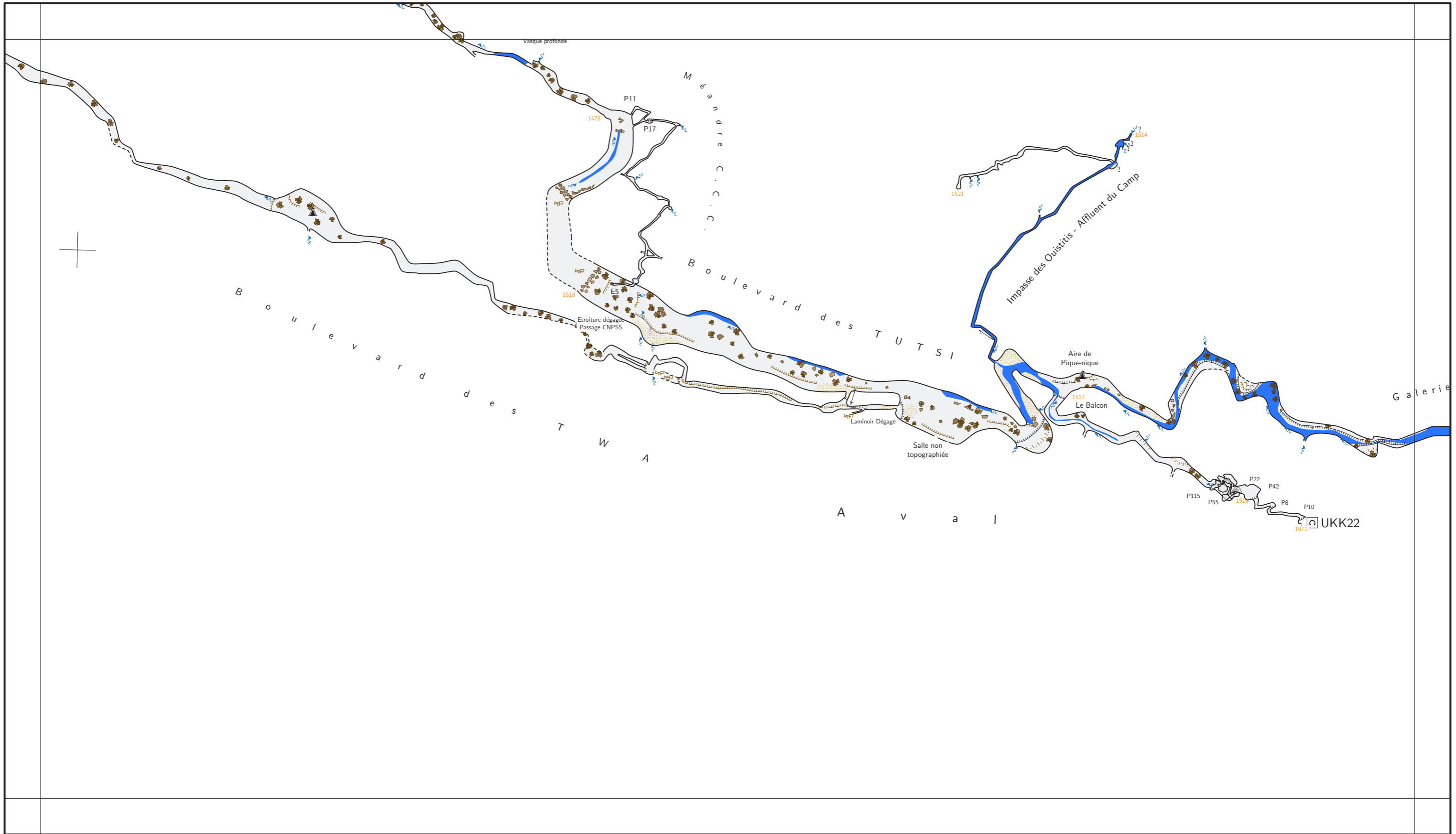




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

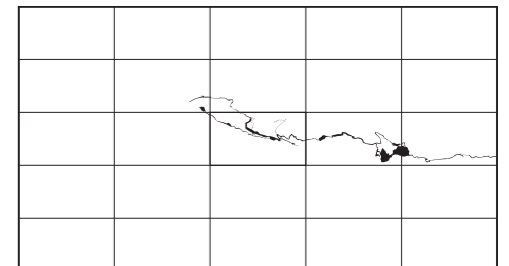
92
↕
95

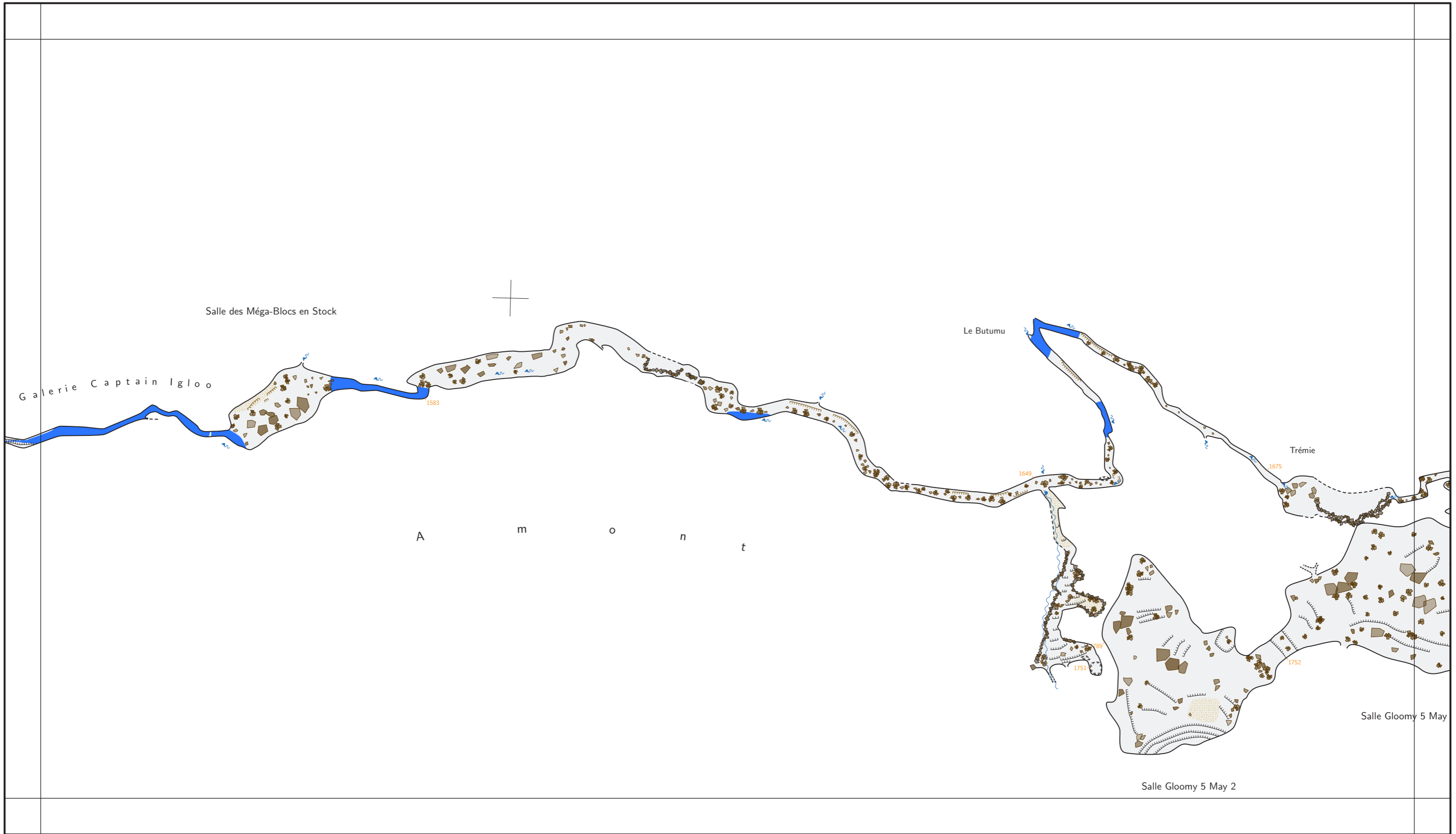




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

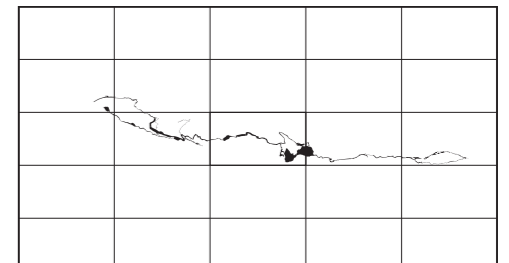
93
94 ↔ 96

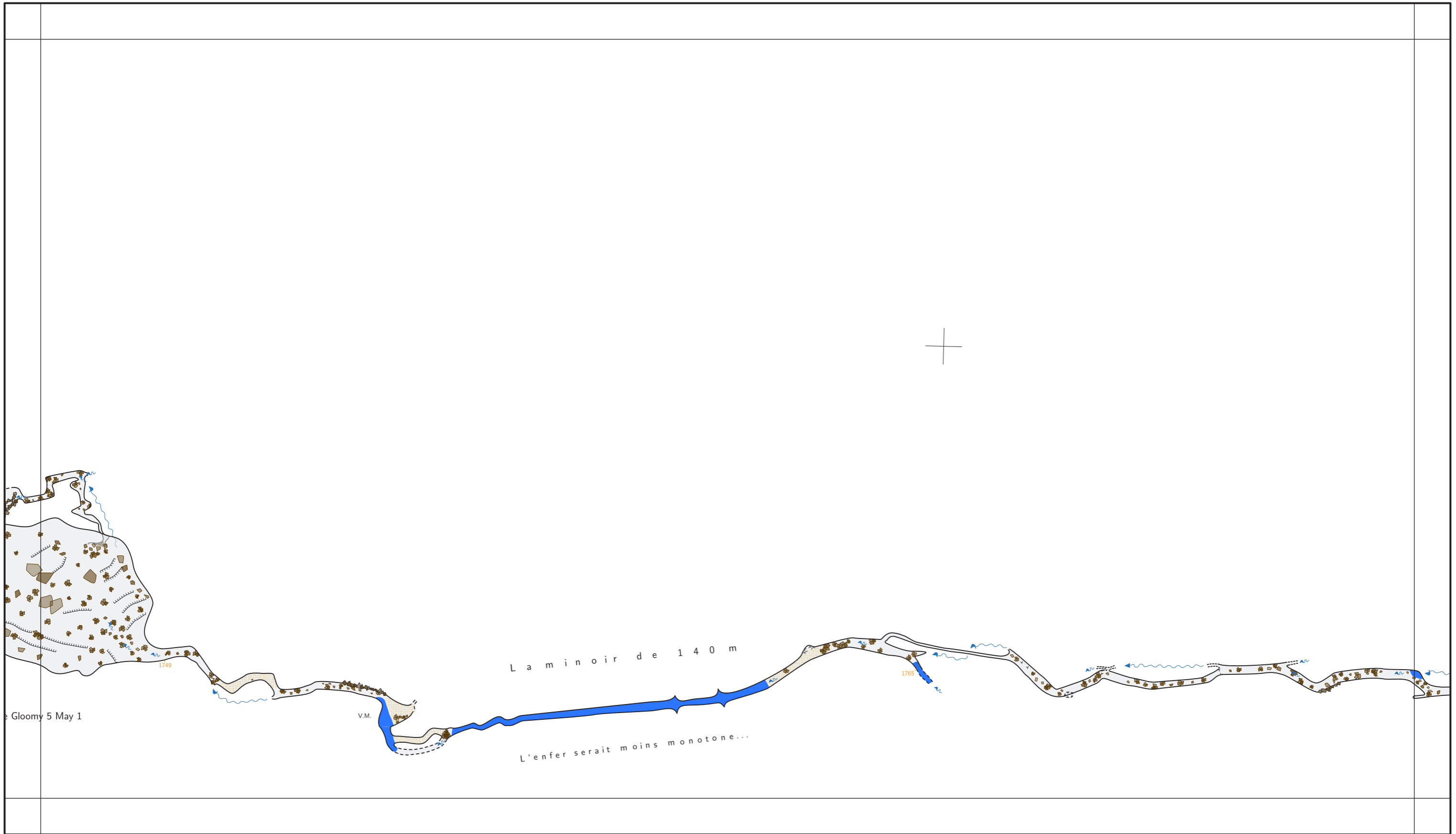




Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

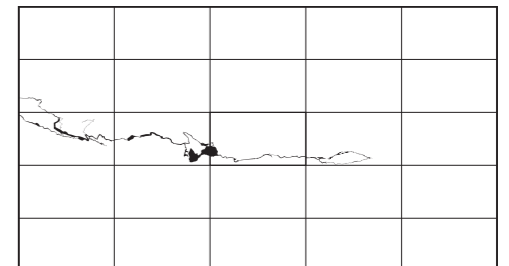
95 ↕ 97
99





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

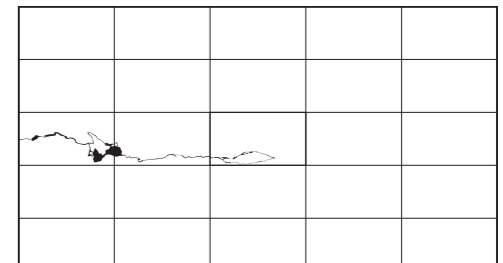
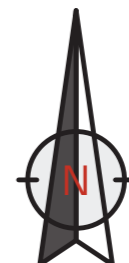
96 ↕ 98
100





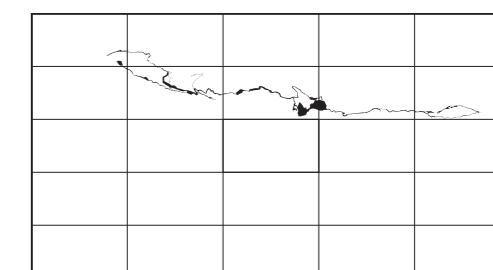
Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

97↕
101



Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

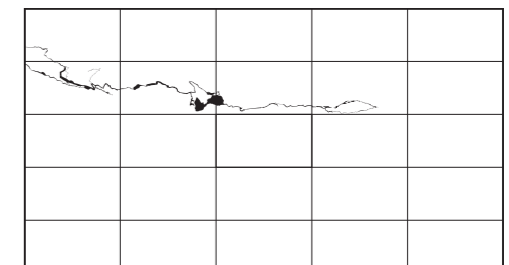
96
↕ 100





Synthèse générale des réseaux de la Pierre Saint-Martin - Larra

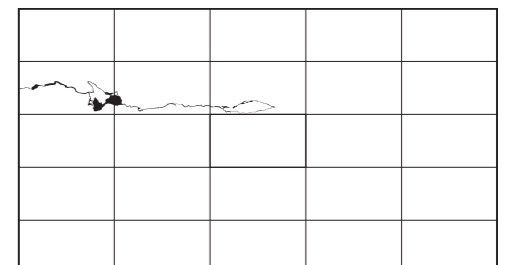
97
99 ↔ 101













































Synthèse générale des réseaux de la Pierre Saint-Martin - Larra





















98
100























Légende

-  entrée
-  raccord de carte
-  paroi rocheuse
-  paroi inférieure
-  paroi supérieure
-  paroi non topographiée
-  paroi présumée
-  puits d'entrée
-  blocs, effondrement
-  cailloutis, éboulis
-  sable
-  paroi de mondmilch
-  altitude (m)
-  section
-  courant d'air
-  courant d'air en été
-  désobstruction
-  suite possible
-  arrêt sur étroiture
-  arrêt sur laminoir

-  arrêt sur coulée de calcite
-  arrêt sur trémie
-  bouchon d'argile
-  escarpement
-  méandre
-  puits
-  escarpement en voûte
-  cheminée
-  pente
-  hauteur d'une cheminée
-  profondeur d'un puits
-  courbe de niveau
-  talus
-  bordure d'un bloc
-  arête d'un bloc
-  blocs
-  galets
-  bordure
-  eau
-  siphon

-  sable
-  argile
-  galets
-  coulée de calcite
-  fentes de dessiccation
-  stalactite
-  blocs
-  écoulement permanent
-  écoulement intermittent
-  perte
-  coulée de calcite
-  stalactite
-  stalactites
-  stalagmite
-  stalagmites
-  colonne
-  colonnes
-  fistuleuse
-  choux-fleur
-  perle des cavernes

-  excentrique
-  excentriques
-  aragonite
-  paroi calcitée
-  gypse
-  gour
-  matériel paléontologique
-  corde
-  échelle fixe
-  chiroptère
-  ossement
-  porte
-  maçonnerie/murs
-  stalactites-stalagmites
-  vire
-  bivouac
-  faille
-  puits-cheminée
-  cheminement
-  spéléo (marchant)

Coordonnées (WGS 84 / UTM zone 30N) :

Title Length Depth Explored X Y Altitude

A`4 684734.130000 4757221.650000 2145.000000
A`106 680093.270000 4757196.620000 1648.000000
A`110 681688.230000 4757882.630000 1820.000000
AN1 684201.150000 4756930.650000 2169.000000
AN8 681094.250000 4757729.620000 1804.000000
AN9 681176.240000 4757674.620000 1813.000000
AN26 680809.250000 4757403.620000 1719.000000
AN37 680428.260000 4757377.620000 1746.000000
AN45 679958.280000 4757435.610000 1656.000000
AN58 684530.140000 4756917.650000 2200.000000
AN61 684299.140000 4756726.650000 2216.500000
AN62 684354.140000 4756648.650000 2192.000000
AN66 683876.150000 4756779.650000 2111.000000
AN73 683759.160000 4757279.640000 2072.000000
AN103 684351.150000 4757492.650000 2138.000000
AN107 684229.150000 4757508.650000 2125.000000
AN109 684207.150000 4757545.650000 2114.000000
AN211 683840.160000 4757318.640000 2060.000000
AN211 683840.160000 4757318.640000 2060.000000
AN`324 679896.470000 4757021.210000 1622.000000
AN`325 679727.280000 4756968.610000 1603.000000
AN326 679912.000000 4757339.000000 1622.000000
AN453 683422.480000 4757652.340000 1972.000000
AN`455 683452.180000 4757668.640000 1968.000000
AN456 683249.180000 4757533.640000 1962.000000
AN`465 684098.150000 4757408.650000 2125.000000
AN480 683231.180000 4757706.640000 1945.000000
AN506 684039.150000 4757050.650000 2163.300000
AN507 684028.150000 4756927.650000 2145.600000
AN514 684786.130000 4756655.650000 2324.000000
AN514 684786.130000 4756655.650000 2324.000000
AN532 684560.140000 4757190.650000 2124.000000
AN534 684681.140000 4757205.650000 2135.000000
AN536 684505.140000 4757205.650000 2108.000000
AN542 684755.130000 4757297.650000 2150.000000
AN546 684873.120000 4756739.650000 2267.000000
AN557 684106.150000 4757361.650000 2112.000000
AN561 684308.140000 4756757.650000 2226.000000
AN567 684424.150000 4757451.650000 2145.000000
AN576 684089.150000 4756977.650000 2149.000000
AN588 683870.160000 4757524.640000 2083.000000
AN591 684035.150000 4756981.650000 2147.000000
AN`594 683050.190000 4757528.640000 1956.000000
AN595 685188.120000 4756769.660000 2248.500000
AN596 683785.160000 4757303.640000 2057.000000
AN616 683177.180000 4757560.640000 1944.000000
AN619 683329.170000 4757022.640000 2033.000000
AN622 683315.180000 4757182.640000 2034.000000
AN624 683122.180000 4757548.640000 1949.000000
AN627 684478.140000 4757283.650000 2144.000000
AN631 684769.130000 4756785.650000 2245.000000
AN634 685389.110000 4756416.660000 2334.000000

AN635 685502.100000 4756412.660000 2315.000000
AN639 685420.100000 4756323.660000 2263.000000
AN646 684489.140000 4757439.650000 2162.000000
AN669 684336.140000 4756730.650000 2223.700000
AN671 683091.180000 4757520.640000 1958.000000
AN672 683337.180000 4757624.640000 1963.000000
AN676A 684445.140000 4757088.650000 2164.000000
AN52 684425.140000 4757036.650000 2170.000000
AN683 684385.140000 4757066.650000 2150.000000
AN692 683198.180000 4757521.640000 1963.000000
AN699 683598.170000 4757518.640000 2006.000000
AN'702 683495.170000 4757518.640000 1983.000000
AN'704 683494.170000 4757513.640000 1983.000000
AN'702 683495.170000 4757518.640000 1983.000000
AN708 683794.160000 4756791.650000 2134.000000
AN711 684221.150000 4757316.650000 2112.000000
AP'45 685856.990000 4760856.760000 1702.000000
AP'333 685233.160000 4760327.650000 1750.000000
AP'337 685182.160000 4760219.650000 1750.000000
ROBINET 679877.300000 4760614.620000 1054.000000
ARPHIDIA 680102.300000 4760605.620000 1054.000000
BB09 67 59 684862.000000 4761666.000000 1501.000000
Gouffre du BB26 227 70 685382.000000 4761472.000000 1520.000000
Gouffre du BB27 58 27 685414.000000 4761491.000000 1490.000000
BB'50 685308.170000 4761486.660000 1537.000000
BG'63 683703.210000 4762126.640000 1386.000000
BL'118 680193.300000 4761927.620000 1023.000000
BT'6 682898.230000 4761080.640000 1618.000000
C'103 682015.220000 4758398.630000 1853.000000
C108 Sima H 510 194 682397.000000 4758216.000000 1897.000000
C'110 681798.230000 4758473.630000 1783.000000
C'213 683008.200000 4758605.640000 1890.000000
C214 Sima de la niebla 1064 420 683433.590000 4758576.490000 1934.000000
C230 Sima ricky et ses ours 180 130 683015.200000 4758699.640000 1885.000000
C243 Sima de los cairns 674 187 683351.310000 4758547.150000 1939.000000
C299 Gouffre belle gueule 129 46 683708.000000 4758286.000000 2011.000000
CUCC'4 685519.600000 4760789.950000 1728.000000
CUCC'5 685364.840000 4760828.090000 1711.000000
PYRENE 685326.490000 4752187.300000 2300.000000
CHIPI 679622.300000 4759606.610000 1495.000000
AN519 684195.150000 4757290.650000 2096.000000
AN51 684220.150000 4757155.650000 2137.700000
AN51 684220.150000 4757155.650000 2137.700000
AN6 684135.150000 4757111.650000 2151.400000
AN548 684114.150000 4757307.650000 2095.800000
AN51 684220.150000 4757155.650000 2137.700000
FR3 683922.160000 4757347.640000 2052.800000
AN57 684004.160000 4757315.650000 2072.400000
AN509 684269.140000 4756878.650000 2178.200000
AN57 684004.160000 4757315.650000 2072.400000
AN548 684114.150000 4757307.650000 2095.800000
AN43 680891.250000 4757364.620000 1726.000000
AN60 683859.160000 4757205.640000 2126.000000
AN563 684211.150000 4757107.650000 2148.000000

AN597 684056.150000 4756936.650000 2153.300000
AN564 684279.150000 4757072.650000 2155.000000
AN6 684135.150000 4757111.650000 2151.400000
AN709 684021.160000 4757283.650000 2102.000000
AN454 684732.130000 4757147.650000 2138.000000
AN709 684021.160000 4757283.650000 2102.000000
AN3 683498.170000 4757314.640000 2045.000000
ERUSO 677045.350000 4759309.610000 1435.000000
ODITA 675399.780000 4761518.190000 825.000000
BU56 682974.160000 4755150.650000 1978.000000
A60 682693.160000 4754337.650000 1967.000000
Gouffre des arres planres AP7 532 324 684207.000000 4760382.000000 1705.000000
Gouffre AP260 0 685335.000000 4760539.000000 1720.000000
Gouffre des Bourrugues B3, entre 01 : puits d'entre 341 263 684226.000000 4760869.000000 1620.000000
Gouffre du Cam de Caque GL04 0 682365.000000 4760497.000000 1636.000000
Gouffre GL80 0 682536.000000 4760597.000000 1655.000000
Gouffre du Lonn Peyret GL102 - Entre 342 225 682343.000000 4760590.000000 1633.000000
Gouffre des Squelettes NL31 0 681881.000000 4760652.000000 1620.000000
OURS 678582.310000 4757222.620000 1500.000000
LAK01 Grotte de l'Ours 677453.000000 4757295.000000 1489.000000
SC3 Gouffre du Beffroi 685184.140000 4759067.650000 2037.000000
M13 Gouffre Moreau 684645.150000 4758649.650000 1982.000000
SL19 Gouffre Pascale 681901.240000 4759770.630000 1767.000000
Trou Huet 680163.490000 4760208.320000 1295.000000
M413 Gouffre des partages 596 351 684400.150000 4757741.650000 2124.000000
M31 Gouffre du Pourtet 538 312 684181.160000 4758109.650000 2058.000000
D9 Gouffre de la tte sauvage 235 174 684039.170000 4759106.650000 1878.000000
Puits Lpineux 681921.240000 4759665.630000 1717.000000
C50 Gouffre des Pr-Hus 682561.210000 4759010.630000 1757.000000
C104, C2 Gouffre des quinquas 2156 366 682061.220000 4758369.630000 1858.000000
C226 Sima grande 1092 397 682983.450000 4758876.180000 1866.000000
Xendako ziloa 66 30 679557.300000 4759862.610000 1515.000000
Tunnel de la Verna 679685.310000 4760907.610000 1049.240000
DS'49 685754.150000 4761303.660000 1550.000000
E3'TSR3 683957.170000 4758860.640000 1930.000000
E22'00 685325.310000 4754122.080000 2261.000000
E2000 685374.500000 4754167.330000 2263.000000
ERE'80 682370.150000 4752614.660000 1856.000000
F'2 684148.160000 4758527.650000 1982.000000
F'404 684217.160000 4758418.650000 1990.000000
GORRIA 679469.300000 4758684.610000 1604.000000
LACS 675148.410000 4761692.610000 535.000000
ALAHAIS 686548.160000 4763533.670000 932.000000
CASCA 675293.410000 4761738.610000 540.000000
STALAC 675287.410000 4761711.610000 530.000000
IS'6B 685576.810000 4760819.690000 1729.000000
IS9'00 685372.150000 4760277.660000 1786.000000
K7 Hourat det soure 279 190 683274.190000 4758480.640000 1941.000000
L5 683699.000000 4757932.000000 2023.000000
LAK'15 678111.320000 4757302.620000 1535.000000
BOUQUE 679428.280000 4756752.620000 1577.000000
ILLAMI 675640.410000 4763131.610000 438.000000
M'108 684768.150000 4758414.650000 2030.000000
M'326 684890.140000 4758116.650000 2110.000000

M'400 684928.130000 4757555.650000 2203.000000
M'405 684269.150000 4757764.650000 2125.000000
M'414 684115.000000 4757872.000000 2114.000000
Rsurgen des Oueils d'Issaux 218 73 687977.000000 4763944.000000 690.000000
SC 60 1795 323 685582.000000 4758577.000000 2162.000000
SC 223 348 178 685615.000000 4758635.000000 2154.000000
Sima`1748 681111.630000 4756106.410000 1748.000000
MARTIN 675567.400000 4761510.610000 820.000000
MOUTON 675269.410000 4761680.610000 535.000000
RENARD 678297.350000 4762276.610000 587.000000
UK'4 680674.250000 4756421.620000 1799.000000
UK'557 685287.100000 4755486.670000 2145.000000
UK'559 685324.100000 4755793.660000 2038.000000
BEAUF 681270.230000 4756253.630000 1740.000000
UK'D6 685226.100000 4755808.660000 2020.000000
UKK22 - Sima del Tobozo 682681.000000 4755870.000000 1975.000000
MARMI 685506.090000 4755505.670000 2005.000000
UT'140 679137.320000 4761267.610000 1128.000000
Z'17 680668.260000 4757992.620000 1753.000000
Z'100 680138.280000 4758117.620000 1680.000000
Z'106 679670.290000 4758386.610000 1625.000000
Z'107 679336.300000 4758062.610000 1660.000000
Z'108 680297.270000 4758326.620000 1684.000000
Z'111 679620.290000 4758073.610000 1685.000000
Z'112 680022.280000 4758357.620000 1639.000000
Z'123 679805.280000 4757907.610000 1697.000000
Z'124 679877.280000 4757583.610000 1720.000000
Z'127 679749.290000 4758182.610000 1658.000000
Z'143 679751.290000 4758078.610000 1674.000000
Z'150 680582.260000 4757988.620000 1745.000000
Z208 678964.300000 4757213.610000 1497.000000
Z'444 680324.270000 4758307.620000 1686.000000
Gouffre Z510 593 237 679298.000000 4758093.000000 1644.000000