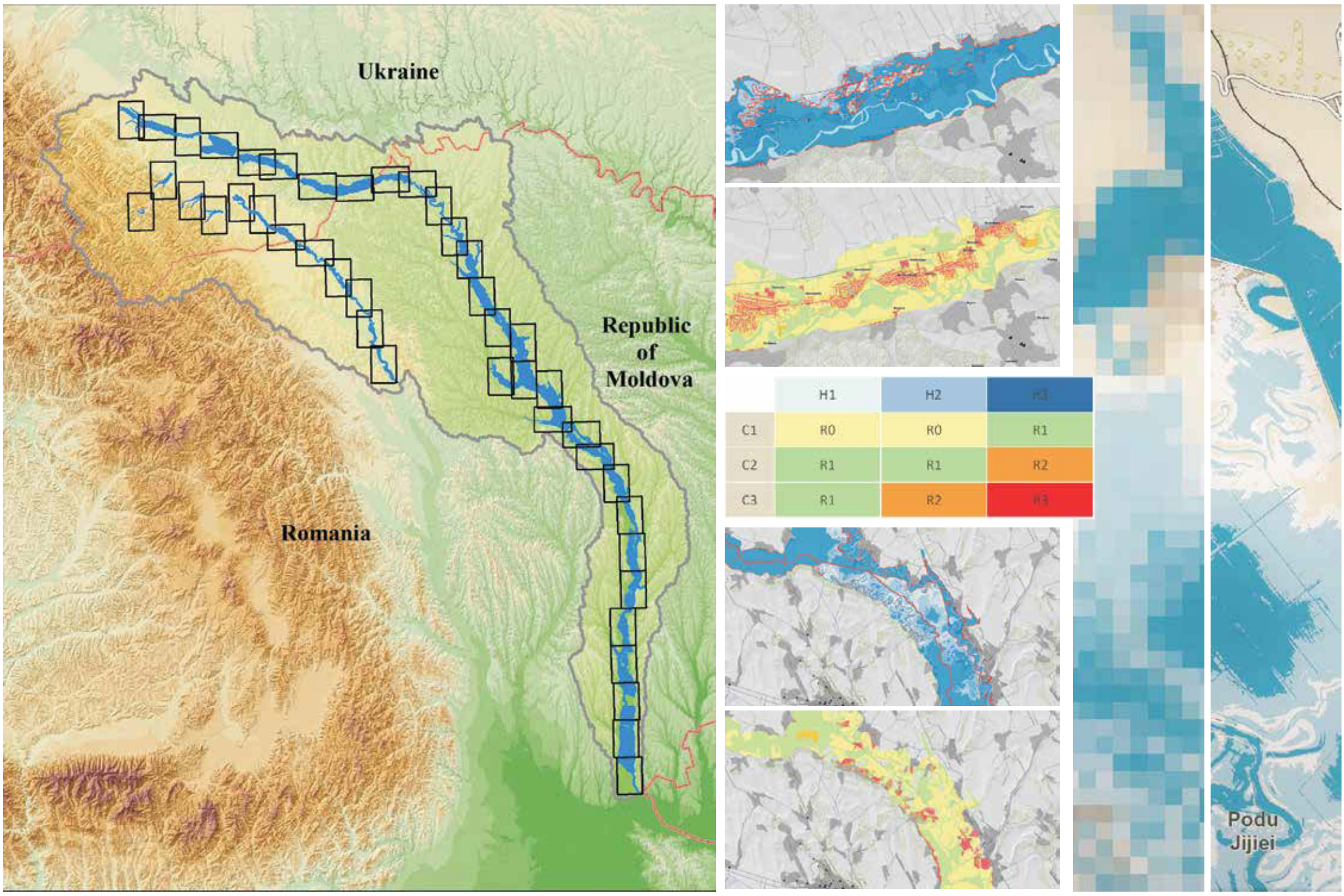
This project is funded by the
EUROPEAN UNION

MINISTRY OF ENVIRONMENT

Romania-Ukraine-Republic of Moldova
CROSS BORDER COOPERATION



EAST AVERT PROJECT (MIS ETC 966)

ATLAS
FLOOD HAZARD AND RISK MAPS

PROIECT EAST AVERT (MIS ETC 966)
ATLAS
HĂRȚI DE HAZARD ȘI RISC LA INUNDAȚII

Bucharest - 2017

This project is funded by the
EUROPEAN UNION

MINISTRY OF ENVIRONMENT

Romania-Ukraine-Republic of Moldova
CROSS BORDER COOPERATION

EAST AVERT PROJECT (MIS ETC 966)
ATLAS
FLOOD HAZARD AND RISK MAPS

PROIECT EAST AVERT (MIS ETC 966)
ATLAS
HĂRȚI DE HAZARD ȘI RISC LA INUNDAȚII

Ediția a 2-a revizuită și completată

Bucharest - 2017

INTRODUCTION

Floods can be considered natural or quasi-natural phenomena. Instead, their consequences are often amplified by humans by placing socio-economic objectives (human settlements, economic objectives and agricultural activities, roads, railways, bridges, etc.) in floodplains in close connection with water sources, soil quality and topography, but increasing the risk of exposure.

In many European countries, floods are one of the most important natural hazards, sometimes having, through the loss of human lives and the effects they produce on the health of the population, natural and environmental resources, severe economic and social consequences, which can lead us to consider them as natural disasters.

The Siret and Prut hydrographic basins, situated in the eastern part of Romania, south-west of Ukraine and the western part of Moldova, constitute a cross-border area characterized by severe and frequent floods, significant at European level, especially in the last 10 years. As outlined in Directive 2007/60 / EC on Flood Risk Assessment and Management (Floods Directive), effective prevention and mitigation of the effects of these extreme phenomena requires cooperation between the three countries. This is in line with the international flood risk management principles, which can only be achieved if parties located in a transnational river basin cooperate.

The assessment of the flood prone potential is based on two main elements: hazard and risk. They describe the magnitude of the phenomenon and the potential negative effects. Unlike hazard, which only indicate the possibility of occurring a dangerous hydrological phenomenon (floodplains expanding, water depth, etc.), the flood risk indicates the potential assets and human damages in floodplains as well as the extent to which they can be affected. The maps follow the risk assessment according to the Floods Directive specifications, which it details by including complementary information to those reported at European level through the database dedicated to this purpose.

The purpose of flood hazard and flood risk maps is to identify and geographically illustrate areas with varying risk levels due to flood hazard. The two types of maps are useful tools for national and local authorities to establish common measures to protect against flood risk the border areas in the upper basins of the Siret and Prut rivers and to reduce the ecological, economic and social vulnerability of the localities of this area. Flood risk mapping highlights areas where significant damage can be recorded for housing, socio-economic objectives, roads, agricultural land, etc. and can be used to develop regional and local flood risk management plans, other national strategies or local plans and cost-benefit analyzes for future hydrotechnical works, prioritization of measures, etc. The hazard maps can also be used for the assessments for hydrological warnings.

INTRODUCERE

Inundațiile pot fi considerate fenomene naturale sau cvasi-naturale. În schimb, consecințele produse de acestea sunt frecvent amplificate de către om prin amplasarea obiectivelor socio-economice (aşezări umane, obiective economice şi activități agricole, drumuri, căi ferate, poduri etc.) în luncile inundabile ale râurilor în strânsă legătură cu sursele de apă, calitatea solului și topografia plană a terenurilor, însă cu prețul creșterii expunerii la risc.

În numeroase țări europene, inundațiile reprezintă unul din cele mai importante hazarduri naturale, având uneori, prin pierderile de vieți omenești și efectele pe care le produc asupra sănătății populației, resurselor naturale și de mediu, consecințe economice și sociale severe, ce pot conduce la încadrarea acestora ca dezastre naturale.

Bazinele hidrografice Siret și Prut, situate în partea de est a României, sud-vestul Ucrainei și vestul republicii Moldova, constituie un areal transfrontalier caracterizat de producerea unorinundații severe și frecvente, semnificative la nivel european, în special în ultimii 10 ani. După cum se arată în Directiva 2007/60/CE privind evaluarea şi gestionarea riscurilor la inundaţii (Directiva Inundaţii), o prevenire eficientă şi o atenuare a efectelor acestor fenomene extreme necesită o cooperare între cele trei ţări. Acest lucru este în conformitate cu principiile internaţionale de gestionare a riscurilor la inundaţii, care pot fi realizate numai dacă părţile situate într-un bazin hidrografic transnaţional cooperează.

Evaluarea potenţialului de producere a inundațiilor se realizează pe baza a două elemente principale: hazard şi risc. Acestea descriu magnitudineafenomenului şi efectele negative potențiale. Spre deosebire de hazard, care indică doar posibilitatea apariţiei unui fenomen hidrologic periculos (extinderea zonelor inundabile, adâncimea apei etc.), riscul la inundaţii indică potenţialele bunuri şi daune umane în zonele inundabile, precum şi gradul în care acestea pot fi afectate. Hărțile succed evaluarea riscului conform specificațiilor Directivei Inundații, pe care o detaliază prin includerea unor informații complementare față de cele raportate la nivel european prin baza de date dedicată acestui scop.

Scopul hărţilor de hazard şi risc la inundaţii este identificarea şi ilustrarea zonelor cu niveluri diferite de risc induse de hazardul inundaţiilor. Cele două tipuri de hărţi sunt instrumente utile pentru autorităţile naţionale şi locale în vederea stabilirii de măsuri comune pentru protejarea împotriva riscului la inundaţii a zonelor de frontieră din bazinele superioare Siret şi Prut şi reducerea vulnerabilităţii ecologice, economice şi sociale a localităţilor din această regiune. Cartografierea riscului la inundaţii evidenţiază zonele în care pot fi înregistrate daune importante asupra locuinţelor, obiectivelor socio-economice, drumurilor, terenurilor agricole etc. şi poate fi utilizată pentru elaborarea planurilor regionale şi locale de management al riscului la inundaţii, a altor strategii naționale sau planuri locale şi a analizelor cost-beneficiu pentru viitoarele lucrări hidrotehnice, prioritizarea măsurilor etc. De asemenea, hărţile de hazard pot servi la efectuarea evaluărilor în cazul avertizărilor hidrologice.

There are many methodological approaches for flood risk with varying degrees of complexity. The methodology developed and used in the EAST AVERT project takes into consideration the types of available data, being based on the qualitative risk assessment method proposed in one of the FAME reports (The Flood risk and damage Assessment using Modelling and Earth observation techniques) related to the levels of hazard and exposure.

According to the European flood risk mapping document developed by the JRC under the 2005 Weather Driven Natural Hazards program, flood risk is defined as the product of three components:

- Hazard: the occurrence of a threatening natural event, including the its probability of exceedings;
- Exposure: the value of goods and the number of population that is present in the affected area;
- Vulnerability: lack or loss of resistance to destructive forces or damage.

Given the cross-border nature of the Siret and Prut rivers, the mathematical (hydrological and hydraulic) modeling, designed to delineate potentially floodprone areas, requested a close cooperation between Romania, Ukraine and the Republic of Moldova. In this respect, an important activity within the EAST AVERT project consisted of the harmonization of hydrological and geospatial information in the two hydrographic basins and especially along the two main water courses. Thus, the rivers were conceived as a system that does not respect any border. The common database, including hazard and flood risk maps, supports all project activities.

This collaboration should be maintained in the future, in order to establish measures to prevent and mitigate the effects of floods.

Există numeroase abordări metodologice privind riscul la inundații, cu diferite grade de complexitate. Metodologia dezvoltată și utilizată în cadrul proiectului EAST AVERT ia în considerare tipurile de date disponibile și are la bază modul de evaluare calitativă a riscului propus în unul dintre rapoartele FAME (The Flood risk and damage Assessment using Modelling and Earth observation techniques), ca funcţie de nivelul hazardului şi expunere.

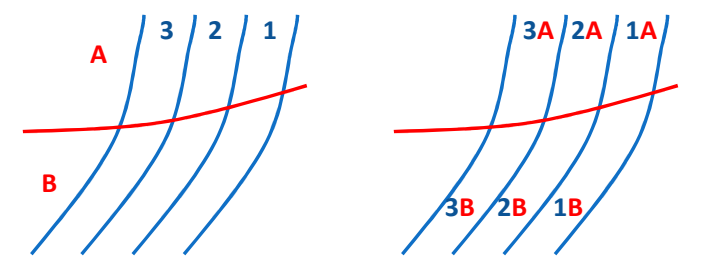
Conform documentului "European flood risk mapping", elaborat de JRC în cadrul programului Weather Driven Natural Hazards în anul 2005, riscul la inundaţii este definit ca fiind produsul a 3 componente:

- Hazardul: producerea unui eveniment natural având caracter de ameninţare, incluzând şi probabilitatea de apariţie a acestuia;
- Expunerea: valoarea bunurilor materiale și numărul populaţiei care este prezentă în arealul afectat;
- Vulnerabilitatea: lipsa sau pierderea rezistenţei la forţele destructive sau pagubele produse.

Având în vedere caracterul transfrontalier al râurilor Siret și Prut, modelarea matematică (hidrologică și hidraulică) realizată în scopul delimitării zonelor potențial inundabile, a ncesitat o strânsă cooperare între România, Ucraina și Republica Moldova. În acest sens, o activitate importantă din cadrul proiectului EAST AVERT a constat din armonizarea informațiilor hidrologice și geospațiale în cele două bazine hidrografice și mai ales în lungul celor două cursuri de apă. Astfel, râurile au fost concepute ca un sistem care nu respectă nici o frontieră. Baza de date comună, care include și hărțile de hazard și risc la inundații, constituie suport pentru toate activitățile proiectului.

Această colaborare trebuie menținută și în viitor, în vederea stabilirii măsurilor de prevenire și de reducere a efectelor inundațiilor.

RISK / RISC			Hazard magnitude (water depth) / Magnitudinea hazardului (adâncime apă)		
			H1	H2	H3
			Low / Mică (<0.5)	Medium / Medie (0.5-1.5)	High / Mare (>1.5)
Consequences / Consecinţe	C1	Mic	R0	R0	R1
	C2	Mediu	R1	R1	R2
	C3	Mare	R1	R2	R3



Schema de realizare a matricei riscului /Risk matrix scheme

Flood hazard maps illustrate their magnitude for the reduced scenario (with a probability of 0.1%, respectively 1/1000 return time) and the expansion of the floodprone areas specific for the medium scenario (probability of 1%, respectively 1/100 years return time). The magnitude is expressed by the water depth quantified in 3 classes (<0.5 m, 0.5-1 m> 1.5 m).

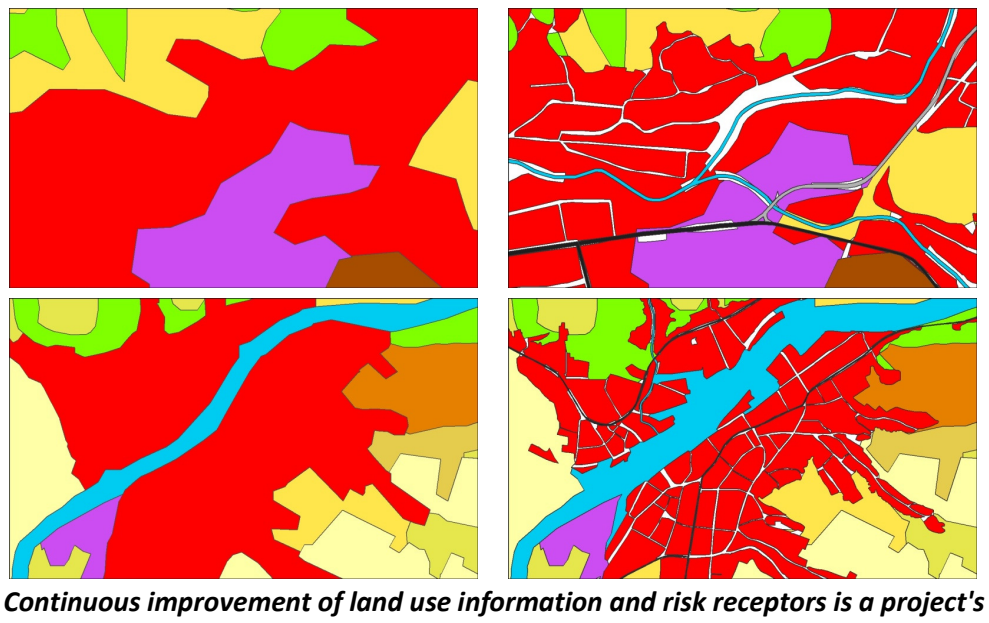
According to the requirements of the Floods Directive, there have been modeled three different scenarios: floods with a low probability of exceedings, or in extreme cases, for which a mean return period of once every 1000 years (HQ1000) was adopted; floods with medium probability (once every 100 years - HQ100) and floods with high probability (the maximum discharge is exceeding once every 10 years - HQ10).

Flood risk maps express qualitatively the potential flood damage and are based on a matrix. For each combination of the types of consequences and the depth classes, a certain degree of risk was assigned, resulting in a risk matrix.

Hărțile de hazard la inundații ilustrează magnitudinea acestora pentru scenariul redus (cu probabilitate de 0,1%, respective timp de revenire de 1/1000 ani), precum și extinderea zonelor inundabile specifice scenariului mediu (cu probabilitate de 1%, respective timp de revenire de 1/100 ani). Magnitudinea este exprimată prin adâncimea apei cuantificată în 3 clase (<0,5 m, 0,5-1 m >1,5 m).

Conform cerințelor Directivei Inundaţii, au fost modelate 3 scenarii diferite: inundaţii cu probabilitate mică de depășire sau în cazuri extreme, pentru care a fost adoptată perioada de depășire de o dată la 1000 de ani (notat cu HQ1000); inundaţii cu probabilitate medie (o dată la 100 de ani - HQ100) și inundaţii cu probabilitate mare (al căror debit maxim este depășit o dată la 10 ani - HQ10).

Hărțile de risc la inundații exprimă, calitativ, potențialele daune ale inundațiilor și sunt realizate pe baza unei matrici. Fiecărei combinații dintre tipurile de consecințe și clasele de adâncime i s-a atribuit un grad de risc, rezultând o matrice.



Continuous improvement of land use information and risk receptors is a project's sustainability activity /
Îmbunătățirea continuă a informațiilor legate de utilizarea terenului și elementele aflate la risc reprezintă o activitate de sustenabilitate a proiectului

This association was made through an expert-based analysis and decision, based on experience and expertise previously accumulated. For the decision to assign a certain risk degree, the hazard / consequencescombinations have been assessed by considering two different aspects: the value of goods and their resilience, defined as the ability to cope with floods, and the ability to recover from these phenomena (resistance and the behaviour of different goods in the case of a flood event of a certain severity).

Four flood risk degrees were established:

- 0 – insignificant residual risk;
- 1 – low risk ;
- 2 – medium risk;
- 3 – high risk.

In addition, they provide information about items at risk. Relevant objects outside the areas with flood potential that may be indirectly affected (e.g. access to these areas) are also presented. The information on maps is based, in addition to its own database (developed in the framework of EAST AVERT project), on the NAVTEQ points of interest, the OpenStreetMap (OSM) database, the EU database of the IPPC website, etc.

In the study areas of the project, the floodprone areas for the HQ1000 scenario cover 1992.7 km^2, reducing to 1120.5 km^2 for the levels corresponding to the discharge with the probability of 1% (HQ100), and about 750.4 km^2 for the high frequency scenario 10% - HQ10).

The largest flood-prone area is located along the Prut River in Romania (38%), followed by the Republic of Moldova, on the left bank of the same river (30%).

Această asociere s-a realizat printr-o analiză de tip expert, pe baza experienței și expertizei anterioare. Pentru atribuirea unui grad de risc, combinațiile hazard / consecințe au fost evaluate prin luarea în considerare a două aspecte diferite: valoarea bunurilor și reziliența acestora, definită ca abilitatea de a face față inundațiilor și capacitatea de recuperare după aceste fenomene (rezistența și comportamentul diferitelor bunuri în cazul unei inundații de o anumită severitate).

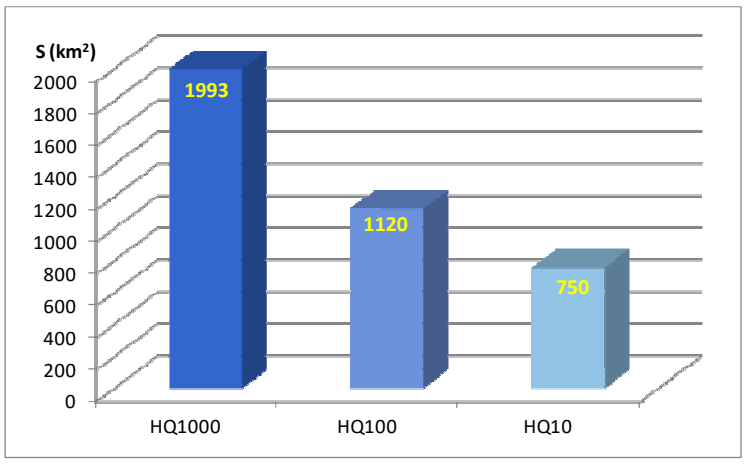
S-au stabilit 4 garde de risc la inundații:

- 0 – risc rezidual nesemnificativ;
- 1 – risc mic;
- 2 – risc mediu;
- 3 – risc mare.

În plus, acestea oferă informații despre elemente aflate în situații de risc. Sunt de asemenea prezentate obiectele relevante din afara zonelor potențial inundabile care ar putea fi afectate indirect (de ex., accesul la aceste zone). Informațiile au la bază, pe lângă baza de date proprie, creată în cadrul proiectului, punctele de interes NAVTEQ, cele din baza de date OpenStreetMap (OSM), baza de date UE de pe website IPPC, etc.

În arealele analizate în cadrul proiectului, zonele inundabile în cazul scenariului HQ1000 acoperă o suprafață de 1992.7 km^2, acestea reducându-se la 1120.5 km^2 pentru nivele corespunzătoare debitului cu probabilitatea de 1% (HQ100) și la circa 750.4 km^2 pentru scenariul cu frecvență mare (10% - HQ10).

Cea mai mare suprafață inundabilă este localizată în lungul râului Prut în România (38%), dar și în Republica Moldova, pe malul stâng al aceluiași râu (30%).



Potential flooded areas in different scenarios [km²] /
Zone potențial inundabile în diferite scenarii [km²]

Distribution of floodplains for scenario HQ 1000 /
Distribuția zonelor inundabile în cazul scenariului HQ1000

Arealul / Area	Zona inundabilă / Flooded area HQ1000 (S - km^2)
Ukraine / Prut and tributaries Ucraina / Prut și afluenți	463.8
Ukraine / Siret and tributaries Ucraina / Siret și afluenți	71.5
Romania / Prut România / Prut	763.1
Romania / Siret România / Siret	91.0
Republic of Moldova / Prut Rep. Moldova / Prut	603.3
Total	**1992.7**

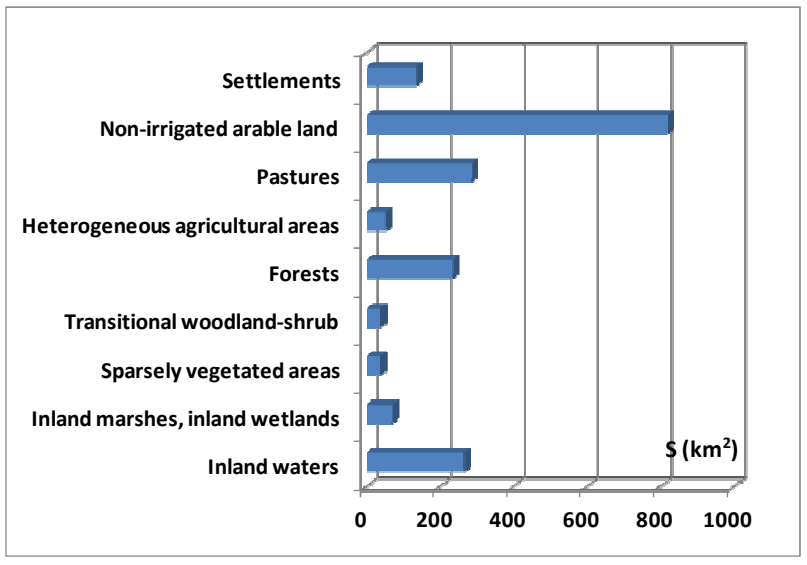
In the floodplains there is a large area of arable land, representing over 40% of the area identified as being at risk in the HQ1000 scenario. There are also large areas occupied by marshes and wetlands, which are typical to the lower Prut.

The most important element at risk is the built space, respectively the area of the localities, avoiding the direct or indirect consequences on the population being the most important objective of the flood risk management. Therefore, the area of nearly 7% (136.3 km^2) of the flooded area occupied by human settlements presents the greatest risk, in the event of such extreme phenomena. One of the main objectives of this Atlas, is to raise the awareness of the inhabitants of the Siret and Prut rivers on their exposure to floods, and the inherent risks of these floods.

În zona inundabilă se remarcă suprafețele mari ocupate de terenuri arabile, acestea reprezentând peste 40% din suprafața identificată cu risc în scenariul HQ1000. Se remarcă suprafețele destul de mari ocupate de mlaștini și zone umede, acestea fiind tipice mai ales Prutului inferior.

Cel mai important element expus riscului este spațiul construit, respectiv arealul localităților, evitarea consecințelor directe sau indirecte asupra populației fiind cel mai important obiectiv al managementului riscului la inundații. Prin urmare, suprafața de aproape 7% (136.3 km^2) din zona inundabilă, ocupată de așezări umane, prezintă cel mai mare risc în cazul producerii unor astfel de fenomene extreme. Unul dintre obiectivele principale al acestui Atlas constă în creșterea nivelului de conștientizare al locuitorilor riverani cursurilor de apă Siret și Prut cu privire la expunerea lor la inundații și riscurile inerente ale acestor inundații.

Land use	Utilizarea terenului	S (km^2)	% from total % din total
Settlements	Localitati	136.34	6.8
Industrial or commercial units	Unitati industriale sau comerciale	13.81	0.7
Road and rail networks and associated land	Retea de cai de comunicatie si terenuri asociate	16.43	0.8
Mine, dump or construction sites	Zone de extractie a minereurilor, gropi de gunoi sau zone in constructie	0.51	0.0
Green urban areas, sport and leisure facilities	Zone urbane verzi, zone de agrement	8.15	0.4
Non-irrigated arable land	Terenuri arabile neirigate	817.20	41.0
Fruit trees, vineyards	Vii sau livezi	16.69	0.8
Pastures	Pasuni secundare	284.59	14.3
Heterogeneous agricultural areas	Zone agricole eterogene	51.89	2.6
Forests	Paduri	234.17	11.8
Transitional woodland-shrub	Zone de tranzitie cu arbusti	38.50	1.9
Sparsely vegetated areas	Areale cu vegetatie rara	38.31	1.9
Inland marshes, inland wetlands	Mlastini, zone umede	70.22	3.5
Inland waters	Corpuri de apa	265.95	13.3
Total		1992.74	100.0

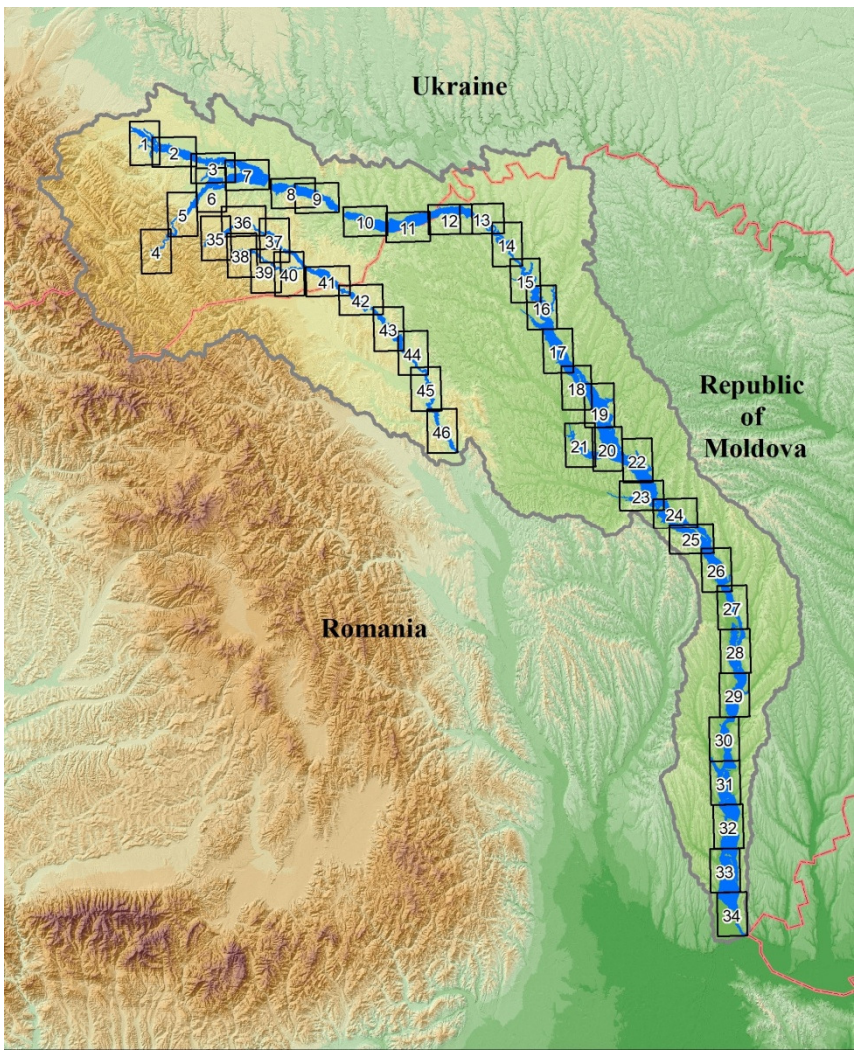


The main types of land use in the floodplain area HQ1000 / Principalele tipuri de utilizare a terenului din zona inundabilă HQ1000

Publicly disseminated flood risk maps, along with the hazard maps available in this Atlas, sum up essential flood information along the main watercourses. This can be an important tool for working out different national or local plans and strategies in areas such as land use planning, urban planning, flood risk management, informing the general public, etc. The data presented is of general interest, but for activities that promote investments, design, etc. local in-depth studies are required.

Hărțile de risc la inundații diseminate public, alături de hărțile de hazard disponibile în acest Atlas, însumează informații esențiale privind inundabilitatea în lungul principalelor cursuri de apă. Acesteia pot constitui un important instrument de lucru pentru realizarea diferitelor planuri și strategii naționale sau locale, în domenii precum planificarea utilizării terenurilor, urbanism, gestionarea riscului la inundații, informarea publicului larg etc. Datele prezentate sunt de interes general, însă pentru activități de promovare a investițiilor, proiectare, etc. sunt necesare studii aprofundate la nivel local.

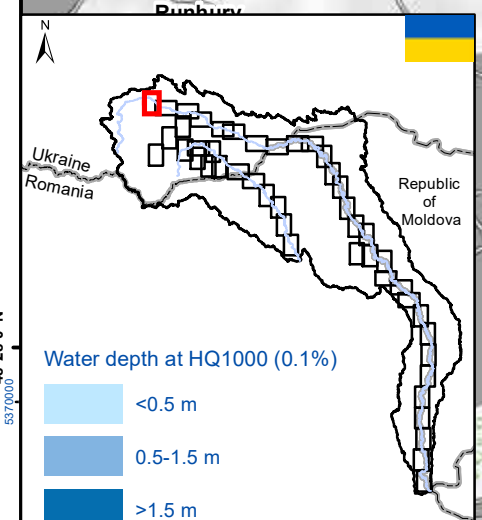
	Map Legend	Legenda
	Hazard Map	**Harta de hazard**
	Water depth at HQ_{1000}	Adancimea apei la HQ_{1000}
	> 1.5 m 0.5 - 1.5 m < 0.5 m	> 1.5 m 0.5 - 1.5 m < 0.5 m
	Flood extent for HQ_{100}	Limita de inundabilitate la HQ_{100}
	Risk Map	**Harta de risc**
	Classes of Potential Damage	Categorii de daune potentiale
	High Medium Low Insignificant	Mare Mediu Scazut Nesemnificativ
	Affected population*	**Gradul de afectare al populatiei***
	Insignificant Low Medium High	Nesemnificativ Mic Mediu Mare
	General Aspects	**Aspecte generale**
	Country border	Granita de stat
	River	Curs de apa
	Study area	Zona de studiu
	Point of interest	**Punct de interes**
	Church	Biserica
	Museum	Muzeu
	Monument	Monument
	School	Scoala
	Hospital	Spital, dispensar
	Industrial site	Sit industrial
	Socio-administrative objective	Obiectiv socio-administrativ
	Settlement	Asezare umana
	Main train station	Statie de cale ferata
	Roads	Drumuri
	Railroads	Cai ferate
	Waterbody	Corp de apa
	Woodland and park	Padure si parc



*These symbols will be used only in the potential flooded settlements list /
Aceste simboluri vor fi utilizate numai în lista localităților potențial inundabile*

24°54'0"E
345000
24°57'0"E
350000
25°0'0"E
355000
48°36'0"N
5385000
48°34'0"N
5380000
48°32'0"N
5375000
48°30'0"N
5370000
48°28'0"N

Rakivchyk
Lisna Slobidka
Mala Kamianka
Tovmachyk
Ivanivtsi
Sheparivtsi
Kolomyia
Kniazhdvir
Kyidantsi
Pechenizhyn
Sopiv
Markivka
Verkhnii Verbizh
Voskresyntsi
Nyzhnii Verbizh
Velykyi Kliuchiv
Malyi Kliuchiv
Myshyn
Spas



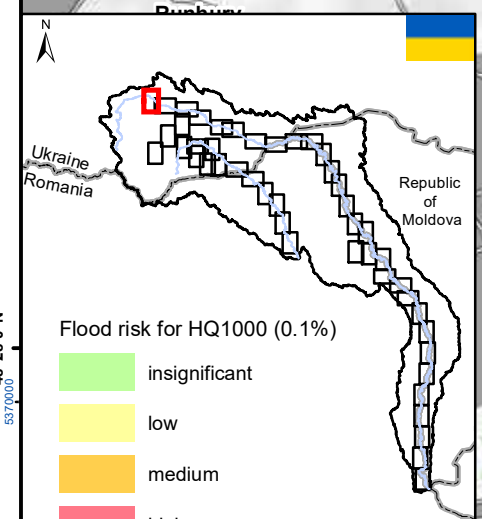
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.1 of 46 (1:50,000)

24°54'0"E
345000
24°57'0"E
350000
25°0'0"E
355000
48°36'0"N
5385000
48°34'0"N
5380000
48°32'0"N
5375000
48°30'0"N
48°28'0"N
5370000

Rakivchyk
Lisna Slobidka
Mala Kamianka
Tovmachyk
Ivanivtsi
Kolomyia
Sheparivtsi
Kniazhdvir
Kyidantsi
Pechenizhyn
Sopiv
Nyzhnii Verbizh
Markivka
Verkhnii Verbizh
Pistynka
Voskresyntsi
Velykyi Kliuchiv
Malyi Kliuchiv
Myshyn
Spas



Flood risk for HQ1000 (0.1%)

- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.1 of 46 (1:50,000)

25°0'0"E
355000
25°3'0"E
25°6'0"E
360000
25°9'0"E
365000
25°12'0"E
370000
25°15'0"E
48°32'0"N
48°30'0"N
48°28'0"N
5376000
5374000
5372000

Kolomyia
Piadyky
Tseniava
Pidhaichyky
Zahaipil
Kobylets
Nazirna
Krynychky
Borshchivska Turka
Sopiv
Korolivka
Kornych
Pereryv
Mateivtsi
Zamulyntsi
Semakivtsi
Verkhnii Verbizh
Nyzhnii Verbizh
Voskresyntsi
Hrushiv
Zaluchchia
Borshchiv
Pylypy
Debeslavtsi
Hanniv
Troitsia
Spas
Lypnyky
Kropyvyshche
Tsutsulyn
Trach
Pistenka

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.2 of 46 (1:50,000)

25°0'0"E 355000 25°3'0"E 25°6'0"E 360000 25°9'0"E 365000 25°12'0"E 370000 25°15'0"E

48°32'0"N 5376000 48°30'0"N 48°28'0"N 5370000

Kolomyia
Piadyky
Tseniava
Pidhaichyky
Zahaipil
Kobylets
Nazirna
Sopiv
Nyzhnii Verbizh
Korolivka
Kornych
Krynychky
Voskresyntsi
Borshchivska Turka
Pereryv
Mateivtsi
Zamulyntsi
Semakivtsi
Hrushiv
Zaluchchia
Borshchiv
Pylypy
Debeslavtsi
Khlibychyn
Troitsia
Hanniv
Spas
Lypnyky
Kropyvyshche
Tsutsulyn
Trach
Pistynka
Prut

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.2 of 46 (1:50,000)

25°18'0"E 375000 25°21'0"E 380000 25°24'0"E 385000 25°27'0"E 390000 25°30'0"E

48°30'0"N 5375000

48°28'0"N 5370000

48°26'0"N 5365000

Rozhnevi Polia
Shevchenkove
Krasnostavtsi
Zibranivka
Rusiv
Borshchivska Turka
Beleluia
Kelykhiv
Chornyava
Zabolotiv
Vovchkivtsi
Tulukiv
Liubkivtsi
Orelets
Khlibychyn
Oleshkiv
Tulova
Ustia
Budyliv
Prut
Illintsi
Vydyniv
Rudnyky
Bystrytsya
Trostianets
Kniazhe

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.3 of 46 (1:50,000)

25°18'0"E 375000 | 25°21'0"E 380000 | 25°24'0"E 385000 | 25°27'0"E | 25°30'0"E 390000

48°30'0"N 5375000 | 48°28'0"N 5370000 | 48°26'0"N 5365000

Rozhnevi Polia
Shevchenkove
Krasnostavtsi
Zibranivka
Rusiv
Chornyava
Borshchivska Turka
Beleluia
Kelykhiv
Zabolotiv
Vovchkivtsi
Tulukiv
Liubkivtsi
Khlibychyn
Orelets
Oleshkiv
Tulova
Ustia
Budyliv
Illintsi
Prut
Vydyniv
Rudnyky
Ukraine
Romania
Republic of Moldova
Trostianets
Kniazhe

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.3 of 46 (1:50,000)

24°57'0"E
350000
25°0'0"E
25°3'0"E
355000
25°6'0"E
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
48°4'0"N
48°2'0"N
5340000
5335000
5330000
5325000

Velykyi Rozhyn
Cheretiv
Bukovets
Roztoky
Verkhnii Yaseniv
Chremosh
Biloberizka
Okolena
Rivnia
Petrashi
Khorotseve
Usteriky
Marynychi
Barvinkiv
Krasnoillia
Chorny Cheremosh
Shpetky
Stebni
Ust-Putyla
Putyla
Kokhan
Dovhopole
Cheremosh
Hreblyna
Biskiv
Byskiv
Dovhopillia
Plyta
Malyi Dykhtynets
Dykhtynets
Ploshchi
Kyselytsi
Zamohyla

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.4 of 46 (1:50,000)

24°57'0"E 350000 25°0'0"E 25°3'0"E 355000 25°6'0"E

48°12'0"N 5340000

48°10'0"N 5335000

48°8'0"N 5330000

48°6'0"N 5325000

48°4'0"N

48°2'0"N

Bukovets
Cheretiv
Velykyi Rozhyn
Roztoky
Verkhnii Yaseniv
Biloberizka
Okolena
Rivnia
Petrashi
Khorotseve
Cheremosh
Usteriky
Marynychi
Barvinkiv
Chorny Cheremosh
Krasnoillia
Shpetky
Stebni
Ust-Putyla
Putyla
Kokhan
Dovhopole
Hreblyna
Biskiv
Byskiv
Dovhopillia
Plyta
Malyi Dykhtynets
Dykhtynets
Ploshchi
Kyselytsi
Zamohyla

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.4 of 46 (1:50,000)

25°6'0"E
360000
25°9'0"E
365000
25°12'0"E
370000
25°15'0"E
48°20'0"N
5355000
48°18'0"N
5350000
48°16'0"N
5345000
48°14'0"N
5340000
48°12'0"N
5335000
Kobaky
Rozhniv
Verbovets
Kosiv
Staryi Kosiv
Smodna
Cherhanivka
Slobidka
Ispas
Stari Kuty
Kuty
Chornohuzy
Malyi Rozhyn
Tiudiv
Vyzhnytsia
Bahna
Mizhbrody
Chereshenka
Vyzhenka
Velykyi Rozhyn
Pidzakharychi
Roztoky
Cheremosh
Khorovy
Yamy
N
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.5 of 46 (1:50,000)

25°6'0"E 360000 25°9'0"E 365000 25°12'0"E 25°15'0"E 370000

48°20'0"N 5355000

48°18'0"N 5350000

48°16'0"N 5345000

48°14'0"N 5340000

48°12'0"N

Kobaky
Rozhniv
Verbovets
Kosiv
Smodna
Staryi Kosiv
Cherhanivka
Slobidka
Ispas
Stari Kuty
Cheremosh
Kuty
Chornohuzy
Malyi Rozhyn
Tiudiv
Vyzhnytsia
Bahna
Mizhbrody
Chereshenka
Vyzhenka
Velykyi Rozhyn
Pidzakharychi
Roztoky
Khorovy
Yamy

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.5 of 46 (1:50,000)

25°15'0"E
25°18'0"E
25°21'0"E
25°24'0"E
370000
375000
380000
48°26'0"N
48°24'0"N
48°22'0"N
48°20'0"N
48°18'0"N
48°16'0"N
5365000
5360000
5355000
5350000

Illintsi
Rudnyky
Trostianets
Dzhuriv
Drahasymiv
Kniazhe
Tuchapy
Popelnyky
Rybnytsia
Novoselytsia
Cheremosh
Sloboda-Banyliv
Banyliv
Rozhniv
Rybne
Zamostia
Kobaky
Cherhanivka
Miliieve
Korytne
Ispas
Kybaky
Berezhonka
Berezhnytsia
Maidan
Serednii Maidan

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.6 of 46 (1:50,000)

25°15'0"E
25°18'0"E
25°21'0"E
25°24'0"E
370000
375000
380000
48°26'0"N
48°24'0"N
48°22'0"N
48°20'0"N
48°18'0"N
48°16'0"N
5365000
5360000
5355000
5350000

Illintsi
Rudnyky
Trostianets
Dzhuriv
Drahasymiv
Kniazhe
Tuchapy
Popelnyky
Novoselytsia
Cheremosh
Sloboda-Banyliv
Banyliv
Rybnytsya
Rozhniv
Rybne
Zamostia
Kobaky
Cherhanivka
Miliieve
Korytne
Ispas
Kybaky
Berezhonka
Berezhnytsia
Maidan
Serednii Maidan

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.6 of 46 (1:50,000)

25°27'0"E
385000
25°30'0"E
390000
25°33'0"E
395000
25°36'0"E
400000
25°39'0"E
48°26'0"N
5395000
48°24'0"N
5390000
48°22'0"N
5385000

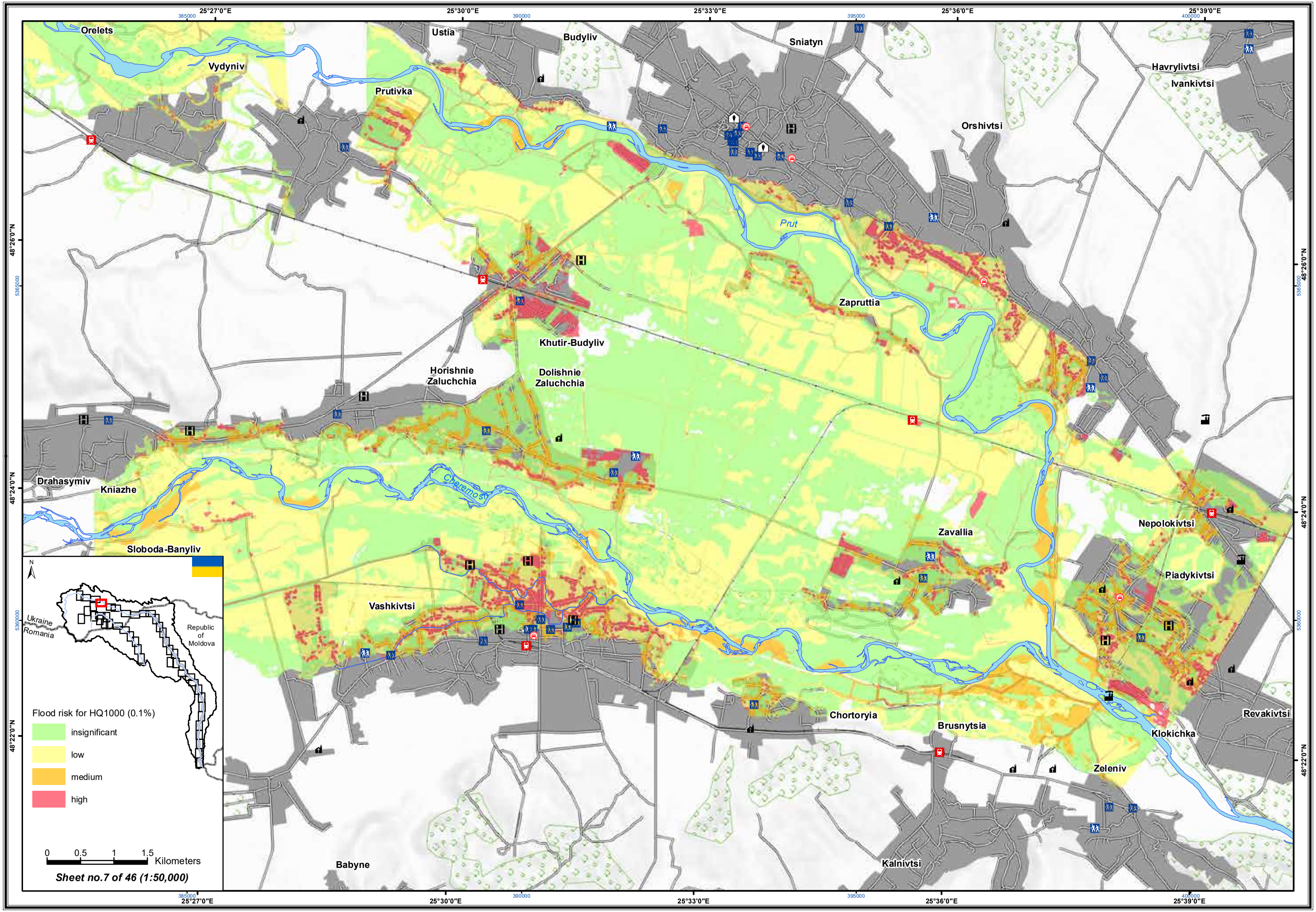
Orelets
Vydyniv
Ustia
Budyliv
Sniatyn
Havrylivtsi
Ivankivtsi
Prutivka
Orshivtsi
Prut
Zapruttia
Khutir-Budyliv
Horishnie Zaluchchia
Dolishnie Zaluchchia
Drahasymiv
Kniazhe
Cheremosh
Zavallia
Nepolokivtsi
Piadykivtsi
Sloboda-Banyliv
Vashkivtsi
Chortoryia
Brusnytsia
Revakivtsi
Zeleniv
Klokichka
Babyne
Kalnivtsi

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.7 of 46 (1:50,000)


25°27'0"E
25°30'0"E
25°33'0"E
25°36'0"E
25°39'0"E
385000
390000
395000
400000
48°26'0"N
48°24'0"N
48°22'0"N
536000
538000
540000
Orelets
Vydyniv
Ustia
Budyliv
Sniatyn
Havrylivtsi
Ivankivtsi
Prutivka
Orshivtsi
Prut
Zapruttia
Khutir-Budyliv
Horishnie Zaluchchia
Dolishnie Zaluchchia
Drahasymiv
Kniazhe
Cheremosh
Sloboda-Banyliv
Zavallia
Nepolokivtsi
Piadykivtsi
Vashkivtsi
Chortoryia
Brusnytsia
Revakivtsi
Klokichka
Zeleniv
Kalnivtsi
Babyne
N
Ukraine
Romania
Republic of Moldova
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0
0.5
1
1.5
Kilometers
Sheet no.7 of 46 (1:50,000)

25°42'0"E
405000
25°45'0"E
410000
25°48'0"E
415000
25°51'0"E
420000
25°54'0"E
48°22'0"N
5360000
48°20'0"N
5355000
48°18'0"N
5350000

Vytylivka
Shubranets
Zadubrivka
Shypyntsi
Revakivtsi
Luzhany
Dubivtsi
Berehomet
Mamaivtsi
Chernivtsi
Burdei
Novyi Kyseliv
Revne
Dibrova
Hlynytsia
Korostuvata
Drachyntsi
Bila
Striletskyi Kut
Novi Drachyntsi
Spaska
Bobivtsi
Dubove

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.8 of 46 (1:50,000)

25°42'0"E 405000 25°45'0"E 410000 25°48'0"E 25°51'0"E 415000 25°54'0"E 420000

48°22'0"N 5360000

48°20'0"N 5356000

48°18'0"N 5352000

Vytylivka
Shubranets
Zadubrivka
Shypyntsi
Revakivtsi
Luzhany
Dubivtsi
Mamaivtsi
Chernivtsi
Berehomet
Prut
Burdei
Novyi Kyseliv
Hlynytsia
Korostuvata
Revne
Dibrova
Striletskyi Kut
Drachyntsi
Bila
Novi Drachyntsi
Spaska
Bobivtsi
Dubove

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.8 of 46 (1:50,000)

25°51'0"E 415000 | 25°54'0"E 420000 | 25°57'0"E 425000 | 26°0'0"E | 26°3'0"E 430000

48°22'0"N | 5355000

Zadubrivka

Mamaivtsi

Ridkivtsi

Novyi Kyseliv

Chernivtsi

Revne

Prut

Bila

Striletskyi Kut

Buda

Mahala

Prut

Zavoloka

alcha

Hodyliv

Ostrytsia

48°20'0"N | 5350000

48°18'0"N | 5350000

48°16'0"N

N

Ukraine

Romania

Republic of Moldova

Water depth at HQ1000 (0.1%)

- <0.5 m
- 0.5-1.5 m
- >1.5 m
- Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.9 of 46 (1:50,000)

25°51'0"E 415000 | 25°54'0"E 420000 | 25°57'0"E 425000 | 26°0'0"E | 26°3'0"E 430000

25°51'0"E
415000
25°54'0"E
420000
25°57'0"E
425000
26°0'0"E
26°3'0"E
430000
48°22'0"N
48°20'0"N
48°18'0"N
48°16'0"N
5350000

Zadubrivka
Mamaivtsi
Ridkivtsi
Novyi Kyseliv
Revne
Chernivtsi
Striletskyi Kut
Bila
Buda
Mahala
Prut
Ostrytsia
Zavoloka
Hodyliv
alcha

Seret
Prut

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.9 of 46 (1:50,000)

26°6'0"E
435000
26°9'0"E
440000
26°12'0"E
26°15'0"E
445000
26°18'0"E
450000
48°16'0"N
48°14'0"N
48°12'0"N
48°10'0"N
5345000
5340000

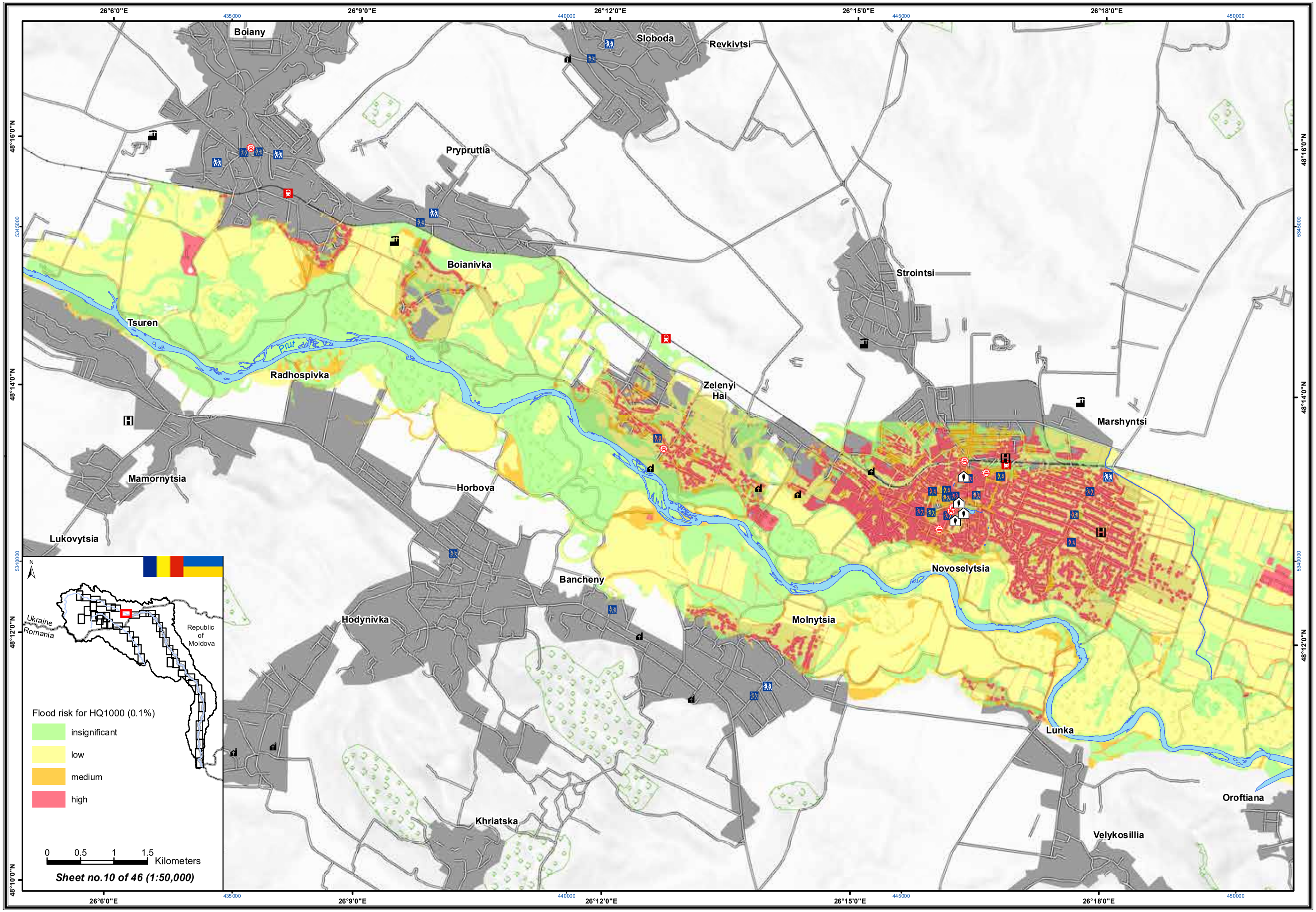
Boiany
Sloboda
Revkivtsi
Prypruttia
Boianivka
Strointsi
Tsuren
Prut
Radhospivka
Zelenyi Hai
Novoselytsia
Marshyntsi
Mamornytsia
Horbova
Lukovytsia
Bancheny
Hodynivka
Molnytsia
Lunka
Oroftiana
Khriatska
Velykosillia

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.10 of 46 (1:50,000)


26°6'0"E
435000
26°9'0"E
440000
26°12'0"E
26°15'0"E
445000
26°18'0"E
450000
48°16'0"N
48°14'0"N
48°12'0"N
48°10'0"N
5345000
Boiany
Sloboda
Revkivtsi
Prypruttia
Boianivka
Strointsi
Tsuren
Prut
Radhospivka
Zelenyi Hai
Marshyntsi
Mamornytsia
Horbova
Lukovytsia
Bancheny
Novoselytsia
Hodynivka
Molnytsia
Lunka
Oroftiana
Khriatska
Velykosillia
N
Ukraine
Romania
Republic of Moldova
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0 0.5 1 1.5
Kilometers
Sheet no.10 of 46 (1:50,000)

450000 26°21'0"E 455000 26°24'0"E 460000 26°27'0"E 465000 26°30'0"E 26°33'0"E

5345000 48°14'0"N 5340000 48°12'0"N 5335000 48°10'0"N

Koshuliany
Mamalyha
Dranytsia
Dumeny
Kostychany
Novoivankivtsi
Vanchykivtsi
Nehryntsi
Darabani
Tarasivtsi
Vanchynets
Baranca
Bajura
Oroftiana
Alba
Suharău
Hudești
Vat
Başeu
Başeu
Prut

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.11 of 46 (1:50,000)

26°21'0"E
26°24'0"E
26°27'0"E
26°30'0"E
26°33'0"E
450000
455000
460000
465000
5345000
5340000
5335000
48°14'0"N
48°12'0"N
48°10'0"N
Koshuliany
Mamalyha
Dranytsia
Dumeny
Kostychany
Novoivankivtsi
Vanchykivtsi
Nehryntsi
Tarasivtsi
Vanchynets
Darabani
Baranca
Bajura
Prut
Oroftiana
Alba
Suharău
Hudeşti
Vat
Baseu
Başeu
N
Ukraine
Romania
Republic of Moldova
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0
0.5
1
1.5
Kilometers
Sheet no.11 of 46 (1:50,000)

26°36'0"E 470000 | 26°39'0"E 475000 | 26°42'0"E 480000 | 26°45'0"E 485000 | 26°48'0"E

48°16'0"N | 48°14'0"N | 48°12'0"N

5345000 | 5340000 | 5335000

Criva
Drepcăuți
Lipcani
Mamalyha
Koshuliany
Prut
Slobozia
Cuzlău
Horodiștea
Rediu
Pălținiș
Rădăuți-Prut
Cuza Vodă
Eșanca
Viișoara

N

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)

- <0.5 m
- 0.5-1.5 m
- >1.5 m
- Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.12 of 46 (1:50,000)

26°36'0"E 470000 | 26°39'0"E 475000 | 26°42'0"E 480000 | 26°45'0"E | 26°48'0"E 485000

48°16'0"N | 48°14'0"N | 48°12'0"N

5345000 | 5340000 | 5335000

Criva
Drepcăuți
Lipcani
Mamalyha
Koshuliany
Prut
Slobozia
Cuzlău
Horodiștea
Rediu
Pălținiș
Rădăuți-Prut
Cuza Vodă
Eșanca
Viișoara

N

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)

- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.12 of 46 (1:50,000)

26°45'0"E
485000
26°48'0"E
490000
26°51'0"E
495000
26°54'0"E
26°57'0"E
48°16'0"N
48°14'0"N
48°12'0"N
5345000
5340000
5335000

Beleavinti
Lipcani
Drepcăuți
Slobozia-Sirauti
Balasinesti
Sirăuți
Prut
Rediu
Horodiștea
Rădăuți-Prut
Pererita
Miorcani
Vilia
Tețcani
Cotu
Miculinți

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.13 of 46 (1:50,000)

26°45'0"E
485000
26°48'0"E
490000
26°51'0"E
495000
26°54'0"E
26°57'0"E
48°16'0"N
48°14'0"N
48°12'0"N
5345000
5340000
5335000

Beleavinti
Lipcani
Drepcăuți
Slobozia-Sirauti
Balasinesti
Sirăuți
Prut
Rediu
Horodiștea
Rădăuți-Prut
Pererita
Miorcani
Cotu
Miculinți
Tețcani

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.13 of 46 (1:50,000)

26°57'0"E
27°0'0"E
27°3'0"E
495000
500000
505000
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
48°4'0"N
5335000
5330000
5325000

Pererita
Vilia
Corjeuti
Tețcani
Cotu
Miculinți
Prut
Fetesti
Bezeda
Crasnaleuca
Bogdanesti
Lopatnic
Grimești
Horia
Mitoc
Viișoara
Badragii Noi
Zoiţani
Dimitrie
Cantemir
Liveni
Loturi
Panaitoaia
Badragii
Vechi

N
Ukraine
Romania
Republic
of
Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.14 of 46 (1:50,000)

26°57'0"E
27°0'0"E
27°3'0"E
495000
500000
505000
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
48°4'0"N
5334000
5330000
5326000

Pererita
Vilia
Corjeuti
Tețcani
Cotu
Miculinți
Prut
Fetesti
Bezeda
Crasnaleuca
Bogdanesti
Lopatnic
Grimești
Horia
Mitoc
Viișoara
Badragii Noi
Liveni
Dimitrie
Cantemir
Loturi
Panaitoaia
Badragii
Vechi

N
Ukraine
Romania
Republic
of
Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.14 of 46 (1:50,000)

27°3'0"E
505000
27°6'0"E
510000
27°9'0"E
48°4'0"N
48°2'0"N
48°0'0"N
47°58'0"N
47°56'0"N
5320000
5315000
5310000

Badragii Noi
Liveni
Prut
Hancauti
Loturi
Badragii
Vechi
Şerpeniţa
Iorga
Manoleasa-Prut
Corpaci
Flondora
Manoleasa
Sadoveni
Cuconestii
Noi
Bold
Cuconeștii
Vechi
Zahoreni
Stanca Costesti
Reservoir
Borolea
Ripiceni
Ripicenii
Vechi
Caraiman
Sarata
Cinghiniia
Movila
Ruptă

N
Ukraine
Romania
Republic
of
Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.15 of 46 (1:50,000)

27°3'0"E
505000
27°6'0"E
510000
27°9'0"E
48°4'0"N
48°2'0"N
48°0'0"N
47°58'0"N
47°56'0"N
5322000
5315000
5310000

Badragii Noi
Liveni
Loturi
Badragii Vechi
Hancauti
Şerpeniţa
Iorga
Manoleasa-Prut
Dragiste
Corpaci
Flondora
Manoleasa
Sadoveni
Cuconestii Noi
Bold
Cuconeștii Vechi
Stanca Costesti Reservoir
Zahoreni
Borolea
Ripiceni
Ripicenii Vechi
Caraiman
Sarata
Cinghiniia
Movila Ruptă

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.15 of 46 (1:50,000)

27°9'0"E
27°12'0"E
27°15'0"E
510000
515000
520000
47°58'0"N
47°56'0"N
47°54'0"N
47°52'0"N
47°50'0"N
47°48'0"N
5310000
5305000
5300000
5295000

Cuconeștii Vechi
Horodiște
Ripiceni
Ripicenii Vechi
Varatic
Cinghiniia
Dumeni
Movila Ruptă
Duruitoarea Nouă
Lehneşti
Duruitoarea
Proscureni
Negreşti
Popoaia
Stanca Costesti Reservoir
Costesti
Păun
Năstase
Pascauti
Ukraine
Romania
Republic of Moldova
Stânca
Reteni
Reteni-Vasileuți
Ştefăneşti
Braniste
Ştefăneşti-Sat
Braniște

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.16 of 46 (1:50,000)

27°9'0"E
27°12'0"E
27°15'0"E
510000
515000
520000
47°58'0"N
47°56'0"N
47°54'0"N
47°52'0"N
47°50'0"N
47°48'0"N
5310000
5305000
5300000
5295000

Cuconeștii Vechi
Horodiște
Ripiceni
Ripicenii Vechi
Varatic
Cinghiniia
Dumeni
Movila Ruptă
Duruitoarea Nouă
Lehneşti
Duruitoarea
Proscureni
Negreşti
Popoaia
Stanca Costesti Reservoir
Costesti
Păun
Năstase
Pascauti
Prut
Stânca
Reteni
Reteni-Vasileuți
Ştefăneşti
Braniste
Ştefăneşti-Sat
Braniște

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.16 of 46 (1:50,000)

27°12'0"E
515000
27°15'0"E
520000
27°18'0"E
525000
27°21'0"E
47°48'0"N
47°46'0"N
47°44'0"N
47°42'0"N
47°40'0"N
47°38'0"N
5290000
5285000
5280000

Ştefăneşti
Braniste
Branişte
Avrămeni
Butesti
Molesti
Bădiuţi
Cobani
Bobuleşti
Românești-Vale
Românești
Lipovat
Sărata
Dămideni
Balatina
Ilişeni
Tomestii Noi
Râghileşti-Deal
Cuhnești
Bogdăneşti
Bisericani
Berza
Prut

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.17 of 46 (1:50,000)

27°12'0"E
515000
27°15'0"E
520000
27°18'0"E
525000
27°21'0"E
47°48'0"N
47°46'0"N
47°44'0"N
47°42'0"N
47°40'0"N
47°38'0"N
5290000
5285000
5280000

Ştefăneşti
Bădiuţi
Bobuleşti
Românești
Sărata
Ilişeni
Râșghileşti-Deal
Dămideni
Bogdăneşti
Berza
Braniste
Branişte
Avrămeni
Baseu
Butesti
Molesti
Cobani
Lipovat
Balatina
Tomestii Noi
Cuhnești
Bisericani
Prut
Românești-Vale

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.17 of 46 (1:50,000)

27°18'0"E
525000
27°21'0"E
27°24'0"E
530000
27°27'0"E
535000
47°38'0"N
47°36'0"N
47°34'0"N
47°32'0"N
47°30'0"N
5275000
5270000
5265000
5260000

Cuhnești
Movileni
Bisericani
Berza
Moara Domneasca
Viișoara
Prut
Santa Mare
Chetriș
Durnești
Bădărăi
Călmățui
Călinesti
Tabăra
Buruieneşti
Andrieşeni
Bivolari
Traian
Solonet

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.18 of 46 (1:50,000)

27°18'0"E
525000
27°21'0"E
27°24'0"E
530000
27°27'0"E
535000
47°38'0"N
5275000
47°36'0"N
5270000
47°34'0"N
5265000
47°32'0"N
5260000
47°30'0"N

Cuhnești
Movileni
Bisericani
Berza
Moara Domneasca
Viișoara
Prut
Santa Mare
Chetriș
Caldarusa
Durnești
Bădărăi
Călinesti
Tabăra
Buruieneşti
Andrieşeni
Bivolari
Traian
Solonet

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.18 of 46 (1:50,000)

27°27'0"E
535000
27°30'0"E
540000
27°33'0"E
47°34'0"N
47°32'0"N
47°30'0"N
47°28'0"N
47°26'0"N
5270000
5265000
5260000
5255000

Chetriș
Navîrnet
Tabăra
Călinesti
Caldanusa
Hîncesti
Bivolari
Cuzmenii Vechi
Drujineni
Pruteni
Soloneț
Traian
Valea Rusului
Zaboloteni
Trifești
Prut
Lucaceni
Hermeziu
Horesti
Vladomira
Unteni

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.19 of 46 (1:50,000)

27°27'0"E
535000
27°30'0"E
540000
27°33'0"E
47°34'0"N
47°32'0"N
47°30'0"N
47°28'0"N
47°26'0"N
5270000
5265000
5260000
5255000

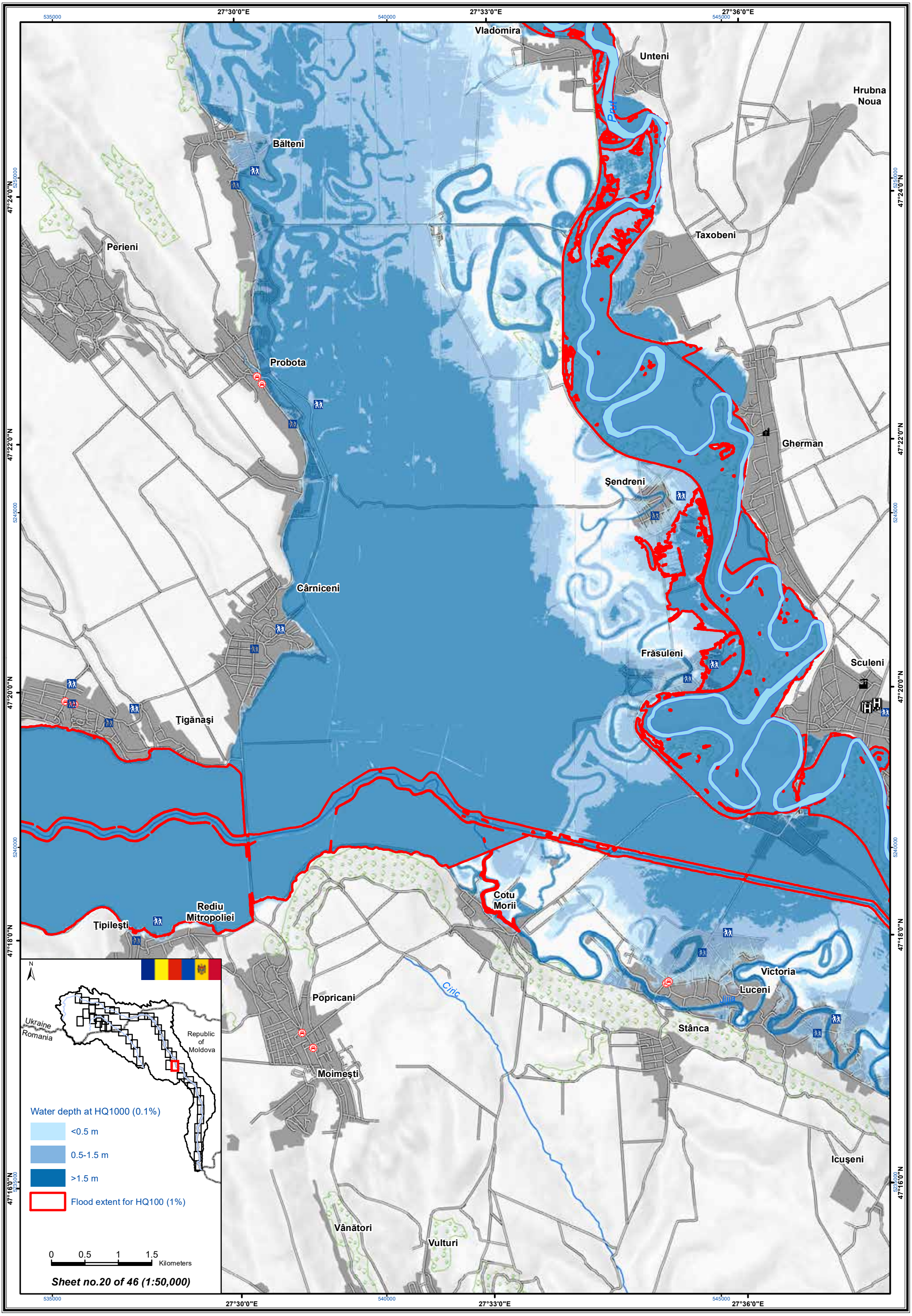
Chetriș
Navîrnet
Tabăra
Prut
Călinesti
Caldarusa
Hîncesti
Bivolari
Cuzmenii Vechi
Drujineni
Pruteni
Traian
Soloneț
Valea Rusului
Zaboloteni
Trifeşti
Lucaceni
Hermeziu
Horesti
Vladomira
Unteni

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.19 of 46 (1:50,000)


27°30'0"E
27°33'0"E
27°36'0"E
535000
540000
545000
47°24'0"N
47°22'0"N
47°20'0"N
47°18'0"N
47°16'0"N
5250000
5245000
5240000
5235000
Vladomira
Unteni
Hrubna Noua
Bălteni
Perieni
Taxobeni
Probota
Gherman
Şendreni
Cârniceni
Frăsuleni
Sculeni
Ţigănaşi
Cotu Morii
Rediu Mitropoliei
Ţipileşti
Popricani
Ciric
Victoria
Luceni
Jijia
Stânca
Moimeşti
Icuşeni
Vânători
Vulturi
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.20 of 46 (1:50,000)

535000 27°30'0"E 540000 27°33'0"E 545000 27°36'0"E

47°24'0"N 5250000

47°22'0"N 5245000

47°20'0"N 5240000

47°18'0"N 5236000

Vladomira
Unteni
Hrubna Noua
Bălteni
Prut
Perieni
Taxobeni
Probota
Gherman
Şendreni
Cârniceni
Frăsuleni
Sculeni
Ţigănaşi
Rediu Mitropoliei
Cotu Morii
Ţipileşti
Victoria
Luceni
Ciric
Jijia
Popricani
Stânca
Moimeşti
Icuşeni
Vânători
Vulturi

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.20 of 46 (1:50,000)

27°21'0"E
27°24'0"E
27°27'0"E
525000
530000
535000
47°26'0"N
47°24'0"N
47°22'0"N
47°20'0"N
47°18'0"N
5250000
5245000
5240000

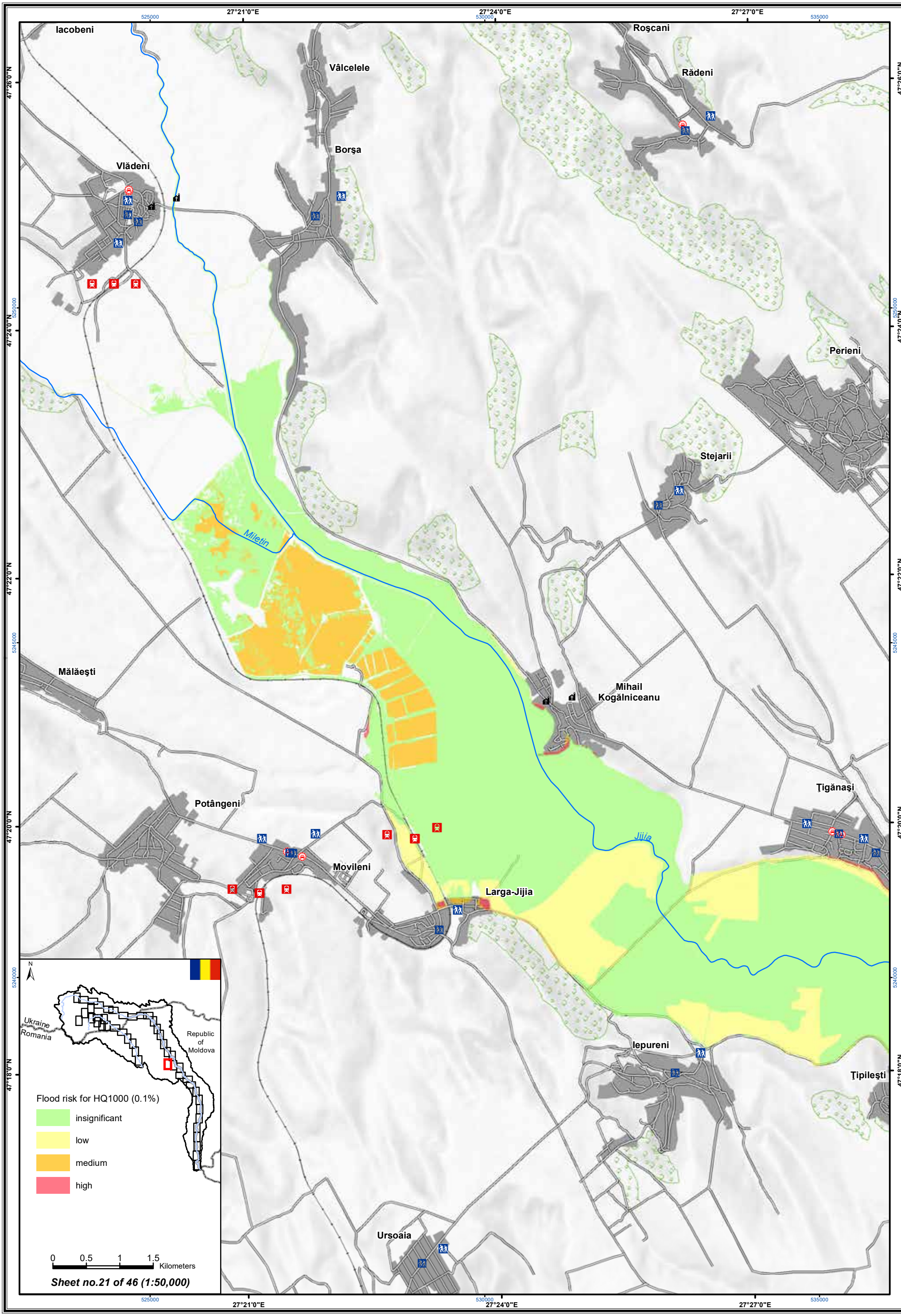
Iacobeni
Vâlcelele
Borşa
Vlădeni
Roşcani
Rădeni
Perieni
Stejarii
Miletin
Mălăeşti
Mihail Kogălniceanu
Ţigănaşi
Potângeni
Movileni
Larga-Jijia
Iepureni
Ţipileşti
Ursoaia

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.21 of 46 (1:50,000)


27°21'0"E
27°24'0"E
27°27'0"E
525000
530000
535000
47°26'0"N
47°24'0"N
47°22'0"N
47°20'0"N
47°18'0"N
5250000
5245000
5240000
Iacobeni
Vâlcelele
Borşa
Vlădeni
Roşcani
Rădeni
Perieni
Stejarii
Miletin
Mălăeşti
Potângeni
Movileni
Larga-Jijia
Mihail
Kogălniceanu
Ţigănaşi
Jijia
Iepureni
Ţipileşti
Ursoaia
Ukraine
Romania
Republic
of
Moldova
N
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0
0.5
1
1.5
Kilometers
Sheet no.21 of 46 (1:50,000)

27°39'0"E 550000 27°42'0"E 555000 27°45'0"E 560000

47°22'0"N 5245000

47°20'0"N 5240000

47°18'0"N 5235000

47°16'0"N 5230000

47°14'0"N

Buciumeni
Chirileni
Floreni
Sculeni
Blindești
Petresti
Medeleni
Petrești
Luceni
Icușeni
Cotu lui Ivan
Grădinari
Semeni
Cilibiu
Prut
Zagarancea
Golăieşti
Podu Jijiei
Jijia
Ungheni
Coada Stâncii
Bosia
Rusenii Noi

N

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)

- <0.5 m
- 0.5-1.5 m
- >1.5 m

Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.22 of 46 (1:50,000)

27°39'0"E 550000 27°42'0"E 555000 27°45'0"E 560000

47°22'0"N 5245000

47°20'0"N 5240000

47°18'0"N 5235000

47°16'0"N 5230000

47°14'0"N 5230000

Buciumeni
Chirileni
Floreni
Sculeni
Blindeşti
Petresti
Medeleni
Petreşti
Luceni
Icuşeni
Cotu lui Ivan
Grădinari
Semeni
Cilibiu
Prut
Zagarancea
Golăieşti
Podu Jijiei
Jijia
Ungheni
Coada Stâncii
Bosia
Rusenii Noi

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.22 of 46 (1:50,000)

27°36'0"E
27°39'0"E
27°42'0"E
27°45'0"E
27°48'0"E
550000
555000
560000
47°12'0"N
47°10'0"N
47°8'0"N
47°6'0"N
522000

Aroneanu
Dorobanț
Rusenii Noi
Valea Lungă
Rusenii Vechi
Orzeni
Coada Stâncii
Mânzățești
Bosia
Ungheni
Cristești
Holboca
Dancu
Vlădiceni
Goruni
Păun
Tomești
Chipereşti
Chicerea
Ţuţora
Oprişeni
Buzduganii de Jos
Moreni
Osoi

Ciuc
Gabiul
Jijia
Prut

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.23 of 46 (1:50,000)

27°36'0"E 27°39'0"E 27°42'0"E 27°45'0"E 27°48'0"E
550000 555000 560000
47°12'0"N 47°10'0"N 47°8'0"N 47°6'0"N
522000

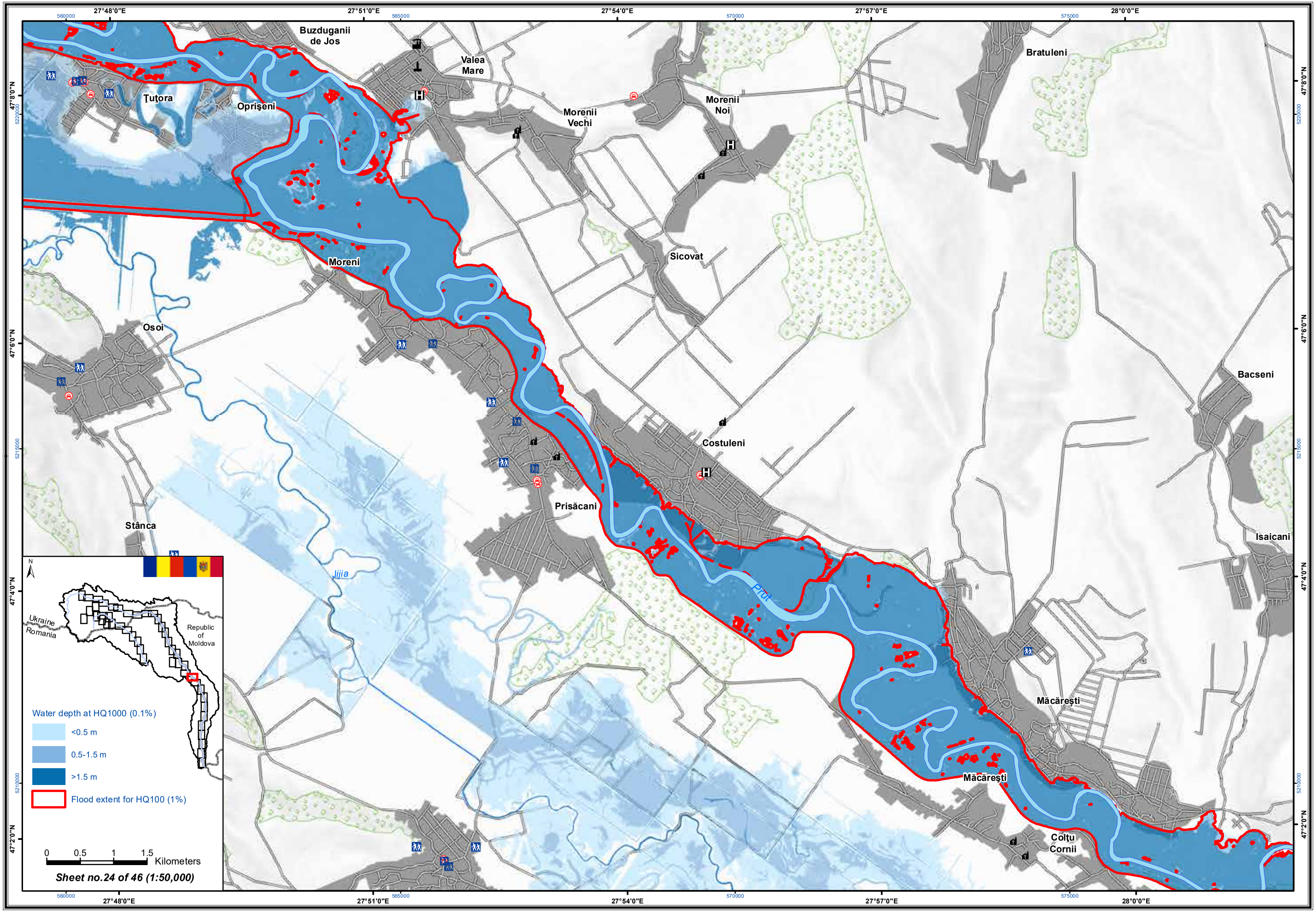
Aroneanu
Dorobanț
Rusenii Noi
Coada Stâncii
Bosia
Ungheni
Mânzăteşti
Delia
Valea Lungă
Rusenii Vechi
Orzeni
Cristeşti
Ghidighici
Holboca
Dancu
Bahlui
Jijia
Prut
Buzduganii de Jos
Ţuţora
Oprişeni
Vlădiceni
Tomeşti
Chipereşti
Chicerea
Goruni
Moreni
Osoi
Păun

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.23 of 46 (1:50,000)


27°48'0"E
27°51'0"E
27°54'0"E
27°57'0"E
28°0'0"E
560000
565000
570000
575000
47°8'0"N
47°6'0"N
47°4'0"N
47°2'0"N
5220000
5215000
5210000
Buzduganii de Jos
Valea Mare
Ţuţora
Oprişeni
Morenii Vechi
Morenii Noi
Bratuleni
Moreni
Sicovat
Osoi
Bacseni
Costuleni
Prisăcani
Isaicani
Stânca
Jijia
Prut
Măcăreşti
Măcăreşti
Colţu Cornii
N
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.24 of 46 (1:50,000)

27°48'0"E
27°51'0"E
27°54'0"E
27°57'0"E
28°0'0"E
560000
565000
570000
575000
47°8'0"N
47°6'0"N
47°4'0"N
47°2'0"N
5220000
5215000
5210000

Buzduganii de Jos
Ţuţora
Valea Mare
Oprişeni
Morenii Vechi
Morenii Noi
Bratuleni
Sicovat
Moreni
Jijia
Osoi
Costuleni
Prisăcani
Bacseni
Stânca
Isaicani
Prut
Măcăreşti
Măcăreşti
Colţu Cornii

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.24 of 46 (1:50,000)

27°54'0"E
570000
27°57'0"E
575000
28°0'0"E
580000
28°3'0"E
28°6'0"E
47°2'0"N
47°0'0"N
46°58'0"N
46°56'0"N
521000
520500
520000

Măcărești
Măcărești
Costuleni
Jijia
Barboieni
Sălăgeni
Colţu
Cornii
Grozești
Cozia
Roşu
Grozești
Zberoaia
Răducăneni
Bohotin
Isaiia
Moşna
Scoposeni
Gura
Bohotin
Prut

N
Ukraine
Romania
Republic
of
Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.25 of 46 (1:50,000)

27°54'0"E
27°57'0"E
28°0'0"E
28°3'0"E
28°6'0"E
570000
575000
580000
521000
520000
47°2'0"N
47°0'0"N
46°58'0"N
46°56'0"N

Măcărești
Măcărești
Costuleni
Jijia
Colțu Cornii
Barboieni
Sălăgeni
Grozești
Grozești
Cozia
Roșu
Zberoaia
Răducăneni
Bohotin
Isaiia
Moșna
Scoposeni
Gura Bohotin
Prut
Nemțeni

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.25 of 46 (1:50,000)

28°3'0"E
580000
28°6'0"E
585000
28°9'0"E
590000
28°12'0"E
46°56'0"N
46°54'0"N
46°52'0"N
46°50'0"N
46°48'0"N
5195000
5190000
5185000

Scoposeni
Zberoaia
Balauresti
Calimanesti
Cateleni
Nemțeni
Gura
Bohotin
Jijia
Gorban
Obileni
Costesti
Ivanovca
Cotul
Morii
Podu
Hagiului
Sărăteni
Podolenii
de Jos
Ghermăneşti
Leuşeni
Leuseni
Băile
Drânceni
Prut
Albiţa
Calmatui
Dancu
Râşeşti

N
Ukraine
Romania
Republic
of
Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

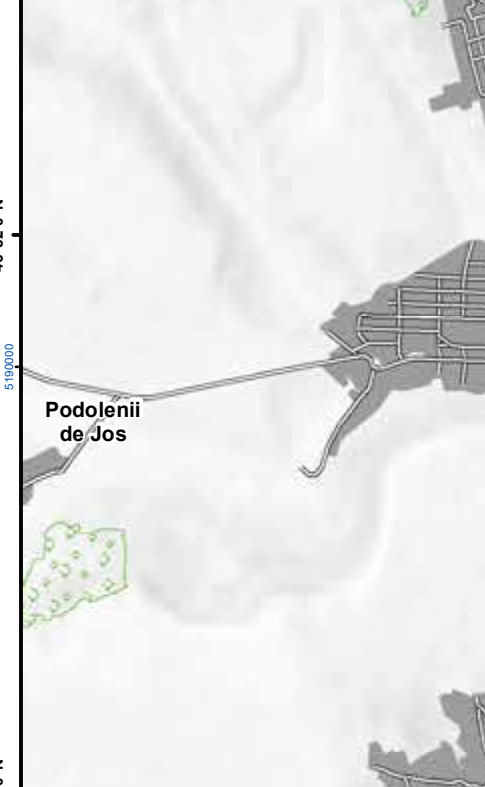
Sheet no.26 of 46 (1:50,000)

28°3'0"E 580000 | 28°6'0"E 585000 | 28°9'0"E 590000 | 28°12'0"E

46°56'0"N | 46°54'0"N | 46°52'0"N | 46°50'0"N | 46°48'0"N

5195000 | 5190000 | 5185000

Scoposeni
Balauresti
Calimanesti
Zberoaia
Cateleni
Nemțeni
Gura Bohotin
Jijia
Gorban
Cotul Morii
Obileni
Costesti
Ivanovca
Podu Hagiului
Sărăteni
Podolenii de Jos
Ghermăneşti
Leușeni
Leuseni
Băile Drânceni
Drânceni
Prut
Albița
Calmatui
Dancu
Râşeşti



Sheet no.26 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°48'0"N
46°46'0"N
46°44'0"N
46°42'0"N
46°40'0"N
46°38'0"N
5180000
5175000
5170000
5165000

Drânceni
Albiţa
Prut
Leuseni
Talaiesti
Calmatui
Râşeşti
Dancu
Şopârleni
Cioara
Marchet
Chersăcosu
Pogăneşti
Pogăneşti
Gura Văii
Stănileşti
Sărata-Răzeşi
Săratu

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.27 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°48'0"N
46°46'0"N
46°44'0"N
46°42'0"N
46°40'0"N
46°38'0"N
5180000
5175000
5170000
5165000

Leuseni
Talaiesti
Drânceni
Albiţa
Prut
Calmatui
Râşeşti
Dancu
Şopârleni
Cioara
Chersăcosu
Marchet
Pogăneşti
Pogănești
Gura Văii
Stănileşti
Sărata-Răzeși
Săratu

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.27 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°38'0"N
46°36'0"N
46°34'0"N
46°32'0"N
46°30'0"N
46°28'0"N
5165000
5160000
5155000
5150000

Stănileşti
Budu Cantemir
Lunca Banului
Oţetoaia
Săratu
Sărata-Răzeşi
Răducani
Tochile-Răducani
Focşa
Broscoşeşti
Prut
Condrea
Lunca Veche
Sîrma
Todireni
Bumbăta
Leova

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.28 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°38'0"N
46°36'0"N
46°34'0"N
46°32'0"N
46°30'0"N
46°28'0"N
5165000
5160000
5155000
5150000

Stănileşti
Budu Cantemir
Lunca Banului
Oţetoaia
Săratu
Sărata-Răzeşi
Răducani
Tochile-Răducani
Focşa
Broscoşeşti
Prut
Condrea
Lunca Veche
Sîrma
Todireni
Bumbăta
Leova

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.28 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°28'0"N
46°26'0"N
46°24'0"N
46°22'0"N
46°20'0"N
46°18'0"N
5145000
5140000
5135000
5130000

Leova
Vetrișoaia
Hănăsenii Noi
Rânceni
Berezeni
Satu Nou
Bozia
Prut
Vîlcele
Toceni
Antonești
Leca
Fălciu

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.29 of 46 (1:50,000)

28°9'0"E
590000
28°12'0"E
595000
28°15'0"E
46°28'0"N
46°26'0"N
46°24'0"N
46°22'0"N
46°20'0"N
46°18'0"N
5145000
5140000
5135000
5130000

Leova
Vetrișoaia
Hănăsenii Noi
Rânceni
Berezeni
Satu Nou
Bozia
Prut
Vîlcele
Toceni
Antonești
Leca
Fălciu

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.29 of 46 (1:50,000)

28°3'0"E
28°6'0"E
585000
28°9'0"E
590000
28°12'0"E
46°18'0"N
46°16'0"N
46°14'0"N
46°12'0"N
46°10'0"N
46°8'0"N
5125000
5120000
5115000
5110000

Fălciu
Leca
Odaia
Bogdana
Cantemir
Prut
Bogdănești
Iepureni
Stoianovca
Țiganca
Rânzești
Plopi
Țiganca
Noua
Ghioltosu
Cârja
Goteşti

N
Ukraine
Romania
Republic
of
Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.30 of 46 (1:50,000)

28°3'0"E
28°6'0"E
585000
28°9'0"E
590000
28°12'0"E
46°18'0"N
46°16'0"N
46°14'0"N
46°12'0"N
46°10'0"N
46°8'0"N
5125000
5120000
5115000
5110000

Fălciu
Leca
Odaia
Bogdana
Cantemir
Prut
Bogdăneşti
Stoianovca
Iepureni
Ţiganca
Râneşti
Ţiganca
Noua
Plopi
Ghioltosu
Cârja
Goteşti

N
Ukraine
Romania
Republic
of
Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5
Kilometers

Sheet no.30 of 46 (1:50,000)

28°3'0"E
28°6'0"E
28°9'0"E
28°12'0"E
585000
590000
46°8'49"N
46°6'49"N
46°4'0"N
46°2'0"N
46°0'0"N
45°58'0"N
5105000
5100000
5095000

Cârja
Goteşti
Constantinesti
Chircani
Vădeni
Cucoara
Cavadineşti
Paicu
Baurci-Moldoveni
Zîrnesti
Rogojeni
Andrusul de Jos
Rosu

Elan
Prut
Horincea

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.31 of 46 (1:50,000)

28°3'0"E
28°6'0"E
28°9'0"E
28°12'0"E
585000
590000
5105000
5100000
5095000
46°8'40"N
46°9'40"N
46°4'0"N
46°2'0"N
45°58'0"N
Cârja
Gotești
Constantinesti
Elan
Chircani
Vădeni
Prut
Cucoara
Cavadineşti
Paicu
Baurci-Moldoveni
Zîrnesti
Rogojeni
Horincea
Andrusul de Jos
Rosu
Ukraine
Romania
Republic of Moldova
N
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0 0.5 1 1.5 Kilometers
Sheet no.31 of 46 (1:50,000)

28°6'0"E
585000
28°9'0"E
590000
28°12'0"E
45°58'0"N
45°56'0"N
45°54'0"N
45°52'0"N
45°50'0"N
45°48'0"N
5090000
5085000
5080000
5075000
Rosu
Cahul
Oancea
Slobozia Oancea
Crihana Veche
Vlădeşti
Pașcani
Brăneşti
Manta
Prut
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.32 of 46 (1:50,000)
28°3'0"E

28°6'0"E
585000
28°9'0"E
590000
28°12'0"E
45°58'0"N
5090000
45°56'0"N
5085000
45°54'0"N
5080000
45°52'0"N
5075000
45°50'0"N
45°48'0"N

Rosu
Oancea
Cahul
Slobozia
Oancea
Crihana
Veche
Vlădeşti
Pașcani
Brănești
Manta
Prut

N
Ukraine
Romania
Republic
of
Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5
Kilometers

Sheet no.32 of 46 (1:50,000)

28°3'0"E
585000
28°6'0"E
590000
28°9'0"E
28°12'0"E

28°3'0"E
28°6'0"E
28°9'0"E
580000
585000
590000
45°48'0"N
45°46'0"N
45°44'0"N
45°42'0"N
45°40'0"N
45°38'0"N
5070000
5065000
5060000
5055000

Brăneşti
Măstăcani
Chiraftei
Manta
Vadul Lui Isac
Chineja
Prut
Folteşti
Colibaşi
Stoicani
Tămăoani
Brînza
Frumuşiţa
Văleni
ljdileni

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.33 of 46 (1:50,000)

28°3'0"E
28°6'0"E
28°9'0"E
580000
585000
590000
45°48'0"N
45°46'0"N
45°44'0"N
45°42'0"N
45°40'0"N
45°38'0"N
5970000
5965000
5960000
5955000

Brăneşti
Manta
Măstăcani
Chiraftei
Chineja
Vadul
Lui Isac
Prut
Folteşti
Colibaşi
Stoicani
Tămăoani
Brînza
Frumuşiţa
Văleni
jdileni

Ukraine
Romania
Republic
of
Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.33 of 46 (1:50,000)

28°3'0"E
585000
28°6'0"E
590000
28°9'0"E
595000
28°12'0"E
45°38'0"N
45°36'0"N
45°34'0"N
45°32'0"N
45°30'0"N
45°28'0"N
5050000
5045000
5040000

Ijdileni
Şiviţa
Tătarca
Tulucești
Chineia
Văleni
Slobozia Mare
Cîslița-Prut
Giurgiulești
Prut

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.34 of 46 (1:50,000)

28°6'0"E
28°9'0"E
28°12'0"E
585000
590000
595000
45°38'0"N
45°36'0"N
45°34'0"N
45°32'0"N
45°30'0"N
45°28'0"N
5050000
5045000
5040000

Ijdileni
Şiviţa
Tătarca
Tulucești
Chineia
Văleni
Slobozia Mare
Cîslița-Prut
Giurgiulești
Prut

Ukraine
Romania
Republic of Moldova
N

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.34 of 46 (1:50,000)

25°18'0"E
375000
25°21'0"E
380000
25°24'0"E
25°27'0"E
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
5345000
5340000
5335000
5330000

Maidan
Lypovany
Chereshenka
Lekechi
Lukavtsi
Myhovo
Vovchynets
Zarichchia
Velyke
Banyliv-Pidhirnyi
Stre

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.35 of 46 (1:50,000)

25°18'0"E
375000
25°21'0"E
380000
25°24'0"E
25°27'0"E
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
5345000
5340000
5335000
5330000

Maidan
Lypovany
Chereshenka
Lekechi
Lukavtsi
Myhovo
Vovchynets
Siret
Zarichchia
Velyke
Banyliv-Pidhirnyi

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.35 of 46 (1:50,000)

25°24'0"E
25°27'0"E
25°30'0"E
25°33'0"E
25°36'0"E
25°39'0"E
385000
390000
395000
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
5340000
5335000

Lypovany
Kosovanka
Nova Zhadova
Lukavtsi
Stara Zhadova
Sloboda-Komarivtsi
Komarivtsi
Panka
Myhovo
Vovchynets
Zrub-Komarivtsi
Davydivka
Velyke
Mihydra
Siret

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.36 of 46 (1:50,000)

25°24'0"E
25°27'0"E
25°30'0"E
25°33'0"E
25°36'0"E
385000
390000
395000
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
5340000
5335000

Lypovany
Kosovanka
Nova Zhadova
Lukavtsi
Stara Zhadova
Sloboda-Komarivtsi
Komarivtsi
Panka
Zrub-Komarivtsi
Myhovo
Vovchynets
Velyke
Davydivka
Mihydra
Smotrych

Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.36 of 46 (1:50,000)

25°39'0"E
400000
25°42'0"E
405000
25°45'0"E
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
5340000
5335000
5330000

Sloboda-Komarivtsi
Zabolottia
Stari Broskivtsi
Novi Broskivtsi
Komarivtsi
Panka
Hlybochok
Storozhynets
Siret
Ropcha
Cheresh
Budenets
Verkhni Petrivtsi
Valy Siret

N
Ukraine
Romania
Republic of Moldova

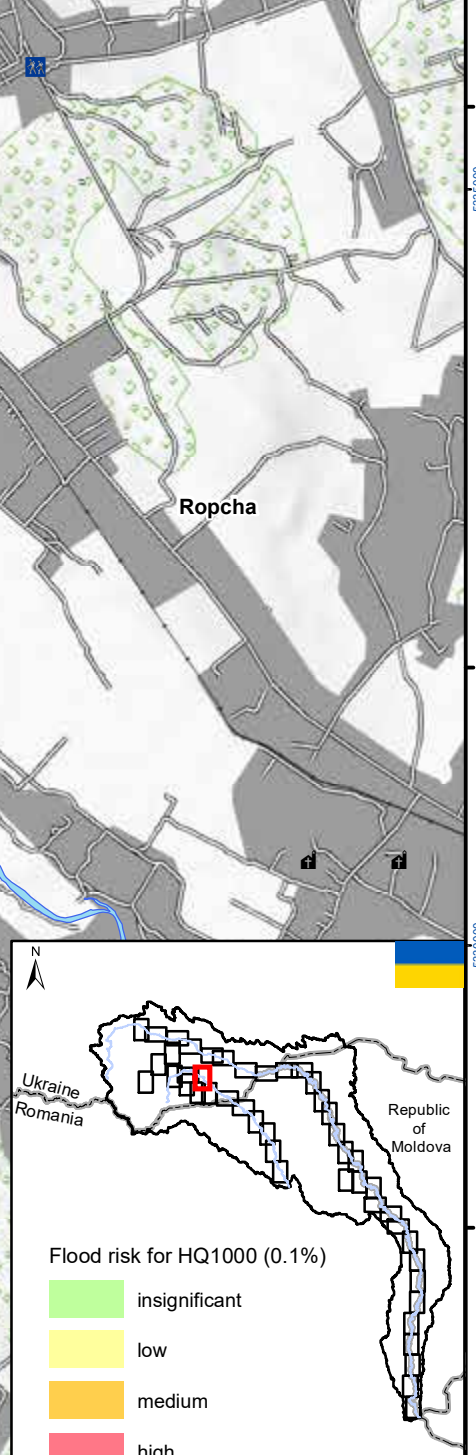
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.37 of 46 (1:50,000)

25°39'0"E
400000
25°42'0"E
405000
25°45'0"E
48°14'0"N
48°12'0"N
48°10'0"N
48°8'0"N
48°6'0"N
5340000
5335000
5330000

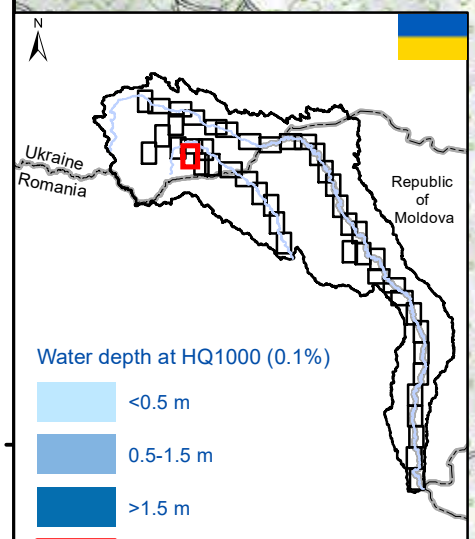
Sloboda-Komarivtsi
Zabolottia
Stari Broskivtsi
Novi Broskivtsi
Komarivtsi
Panka
Hlybochok
Storozhynets
Ropcha
Cheresh
Budenets
Verkhni Petrivtsi
Maly Siret



Sheet no.37 of 46 (1:50,000)

25°27'0"E
385000
25°30'0"E
390000
25°33'0"E
395000
48°10'0"N
48°8'0"N
48°6'0"N
48°4'0"N
48°2'0"N
5335000
5330000
5325000
5320000

Komarivtsi
Stara Zhadova
Vovchynets
Zrub-Komarivtsi
Mihydra
Myhovo
Velyke
Davydivka
Banyliv-Pidhirnyi
Cheresh
Mala Siret
Nova Krasnoshora
Chudei
Stara Krasnoshora
Krasnoilsk



Water depth at HQ1000 (0.1%)

- <0.5 m
- 0.5-1.5 m
- >1.5 m
- Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.38 of 46 (1:50,000)

25°27'0"E
385000
25°30'0"E
390000
25°33'0"E
395000
48°10'0"N
48°8'0"N
48°6'0"N
48°4'0"N
48°2'0"N
5335000
5330000
5325000
5320000

Komarivtsi
Stara Zhadova
Vovchynets
Zrub-Komarivtsi
Mihydra
Myhovo
Velyke
Davydivka
Banyliv-Pidhirnyi
Cheresh
Mali Sliet
Nova Krasnoshora
Chudei
Stara Krasnoshora
Krasnoilsk

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.38 of 46 (1:50,000)

25°36'0"E
25°39'0"E
25°42'0"E
395000
400000
405000
5330000
5325000
5320000
5315000
48°6'0"N
48°4'0"N
48°2'0"N
48°0'0"N
47°58'0"N
Davydivka
Ropcha
Cheresh
Budenets
Verkhni Petrivtsi
Nova Krasnoshora
Chudei
Yizhivtsi
Mali Siret
Nyzhni Petrivtsi
Stara Krasnoshora
Krasnoilsk
Arshytsia
H
H
N
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.39 of 46 (1:50,000)

25°36'0"E
395000
25°39'0"E
400000
25°42'0"E
405000
48°6'0"N
48°4'0"N
48°2'0"N
48°0'0"N
47°58'0"N
5330000
5325000
5320000
5315000

Davydivka
Ropcha
Cheresh
Budenets
Verkhni Petrivtsi
Nova Krasnoshora
Chudei
Yizhivtsi
Maly Siret
Nyzhni Petrivtsi
Stara Krasnoshora
Krasnoilsk
Arshytsia

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.39 of 46 (1:50,000)

25°42'0"E
405000
25°45'0"E
410000
25°48'0"E
25°51'0"E
415000
5330000
48°6'0"N
5325000
48°4'0"N
48°2'0"N
5320000
48°0'0"N
5315000
47°58'0"N

Ropcha
Yordaneshty
Siret
Karapchiv
Prosika
Verkhni Petrivtsi
Sucheveny
Kupka
Maly Siret
Yizhivtsi
Nyzhni Petrivtsi
Korchivtsi
Arshytsia

N
Ukraine
Romania
Republic of Moldova

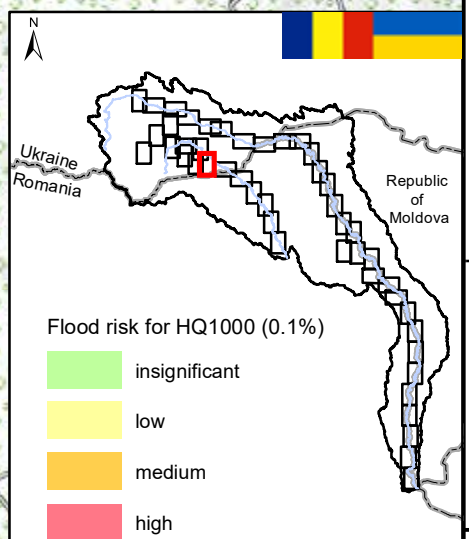
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5
Kilometers

Sheet no.40 of 46 (1:50,000)

25°42'0"E
405000
25°45'0"E
410000
25°48'0"E
25°51'0"E
415000
5330000
48°6'0"N
5325000
48°4'0"N
48°2'0"N
5320000
48°0'0"N
5315000
47°58'0"N

Ropcha
Yordaneshty
Siret
Karapchiv
Prosika
Verkhni
Petrivtsi
Sucheveny
Kupka
Nyzhni
Petrivtsi
Yizhivtsi
Maly
Siret
Korchivtsi
Arshytsia



Flood risk for HQ1000 (0.1%)

- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.40 of 46 (1:50,000)

25°54'0"E
25°57'0"E
26°0'0"E
26°3'0"E
26°6'0"E
420000
425000
430000
48°2'0"N
48°0'0"N
47°58'0"N
5320000
5315000

Prosika
Maly Siret
Kamianka
Slobidka
Stanivtsi
Poliana
Bukivka
Terebleche
Oprysheny
Sterche
Cherepkivtsi
Staryi Vovchynets
Verkhni Synivtsi
Nyzhni Synivtsi
Horbivtsi
Novyi Vovchynets
Bahrynivka
Văşcăuţi
Climăuţi
Baineț
Muşeniţa
Bănceşti
Siret
Mănăstioara
Vicşani
Pădureni
Siret
Rogojesti Reservoir

N
Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.41 of 46 (1:50,000)

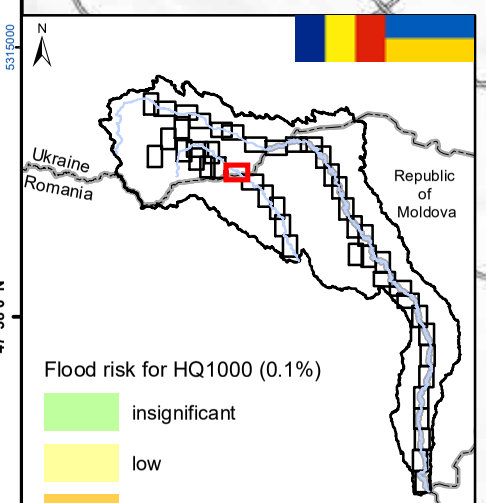
25°54'0"E 420000 25°57'0"E 425000 26°0'0"E 26°3'0"E 430000 26°6'0"E

48°2'0"N 5320000

48°0'0"N 5315000

47°58'0"N

Kamianka
Slobidka
Cherepkivtsi
Oprysheny
Sterche
Terebleche
Stanivtsi
Bukivka
Poliana
Verkhni Synivtsi
Nyzhni Synivtsi
Horbivtsi
Novyi Vovchynets
Staryi Vovchynets
Bahrynivka
Climăuţi
Baineț
Muşeniţa
Văşcăuţi
Bănceşti
Siret
Siret
Rogojesti Reservoir
Mănăstioara
Vicşani
Pădureni

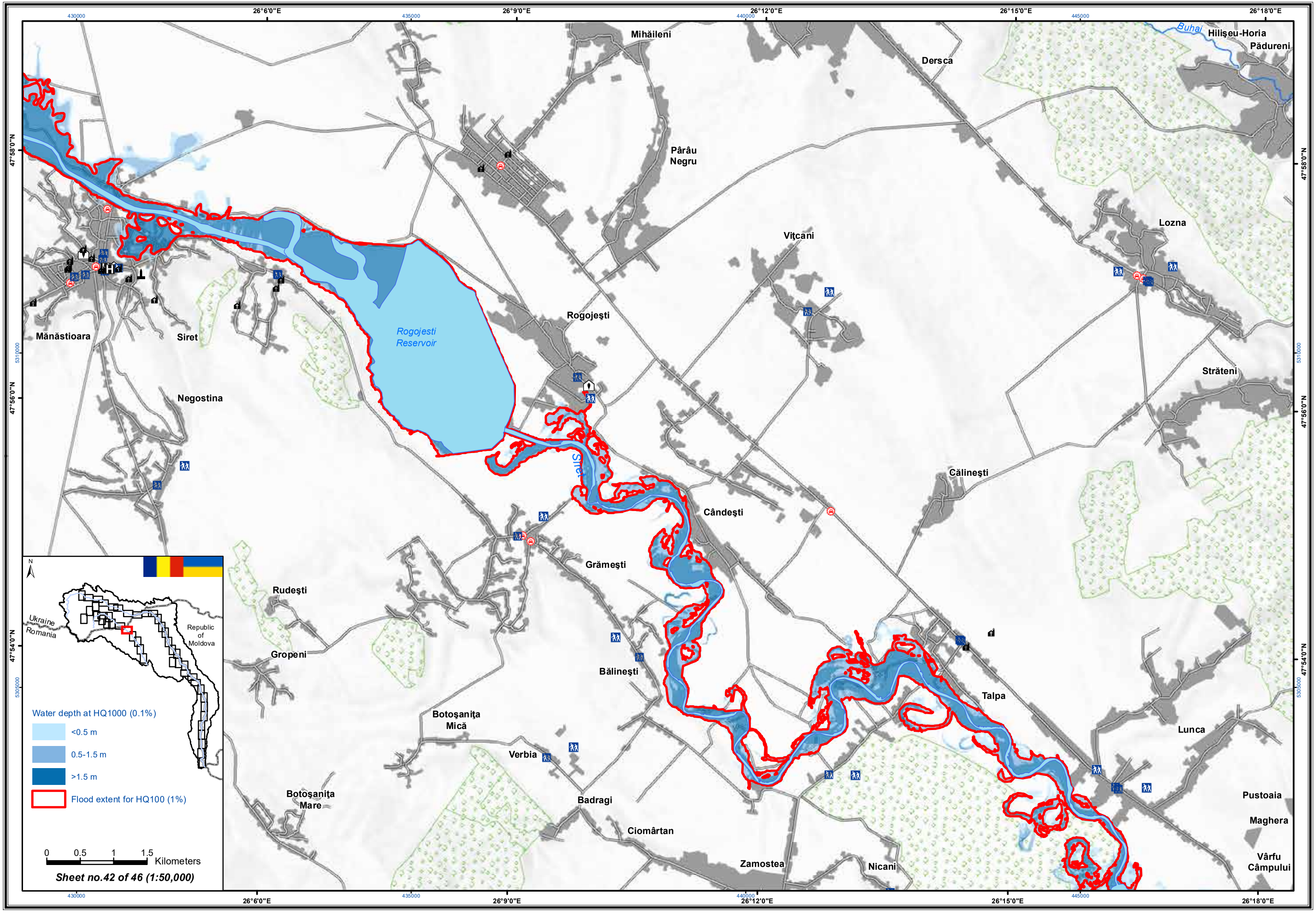


Flood risk for HQ1000 (0.1%)

- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.41 of 46 (1:50,000)


430000
26°6'0"E
435000
26°9'0"E
440000
26°12'0"E
26°15'0"E
445000
26°18'0"E
47°58'0"N
47°56'0"N
47°54'0"N
5310000
5305000
Mihăileni
Dersca
Buhai
Hilișeu-Horia
Pădureni
Pârâu Negru
Viţcani
Lozna
Rogojești
Rogojesti Reservoir
Mănăstioara
Siret
Negostina
Străteni
Călinești
Cândești
Grămești
Rudești
Gropeni
Bălinești
Botoşaniţa Mică
Verbia
Botoşaniţa Mare
Badragi
Ciomârtan
Zamostea
Nicani
Talpa
Lunca
Pustoaia
Maghera
Vârfu Câmpului
N
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0
0.5
1
1.5
Kilometers
Sheet no.42 of 46 (1:50,000)

430000 26°6'0"E 435000 26°9'0"E 440000 26°12'0"E 26°15'0"E 445000 26°18'0"E

47°58'0"N

47°56'0"N

47°54'0"N

5310000

5305000

Mihăileni

Dersca

Hilișeu-Horia

Pădureni

Bahlui

Pârâu Negru

Vițcani

Lozna

Mănăstioara

Siret

Rogojești

Rogojesti Reservoir

Negostina

Străteni

Călinești

Siret

Cândești

Grămești

Rudești

Bălinești

Gropeni

Talpa

Botoșanița Mică

Lunca

Verbia

Botoșanița Mare

Badragi

Pustoaia

Maghera

Ciomârtan

Vârfu Câmpului

Zamostea

Nicani

N

Ukraine

Romania

Republic of Moldova

Flood risk for HQ1000 (0.1%)

insignificant

low

medium

high

0 0.5 1 1.5 Kilometers

Sheet no.42 of 46 (1:50,000)

430000 26°6'0"E 435000 26°9'0"E 440000 26°12'0"E 26°15'0"E 445000 26°18'0"E

26°15'0"E
445000
26°18'0"E
450000
26°21'0"E
26°24'0"E
455000
47°54'0"N
47°52'0"N
47°50'0"N
47°48'0"N
47°46'0"N
47°44'0"N
530500
530000
529500
529000
Talpa
Lunca
Pustoaia
Maghera
Vârfu Câmpului
Gorovei
Dobrinăuţi-Hapăi
Sauceniţa
Văculeşti
Buda
Zvoriştea
Dealu
Stânca
Şerbăneşti
Ionăşeni
Stâncuţa
Poiana
Slobozia
Bohoghina
Bucecea Reservoir
Bereşti
Călugăreni
Arţari
Hânţeşti
Adâncata
N
Ukraine
Romania
Republic of Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0 0.5 1 1.5
Kilometers
Sheet no.43 of 46 (1:50,000)

26°15'0"E
445000
26°18'0"E
450000
26°21'0"E
26°24'0"E
455000
47°54'0"N
47°52'0"N
47°50'0"N
47°48'0"N
47°46'0"N
47°44'0"N
530500
530000
529500
529000

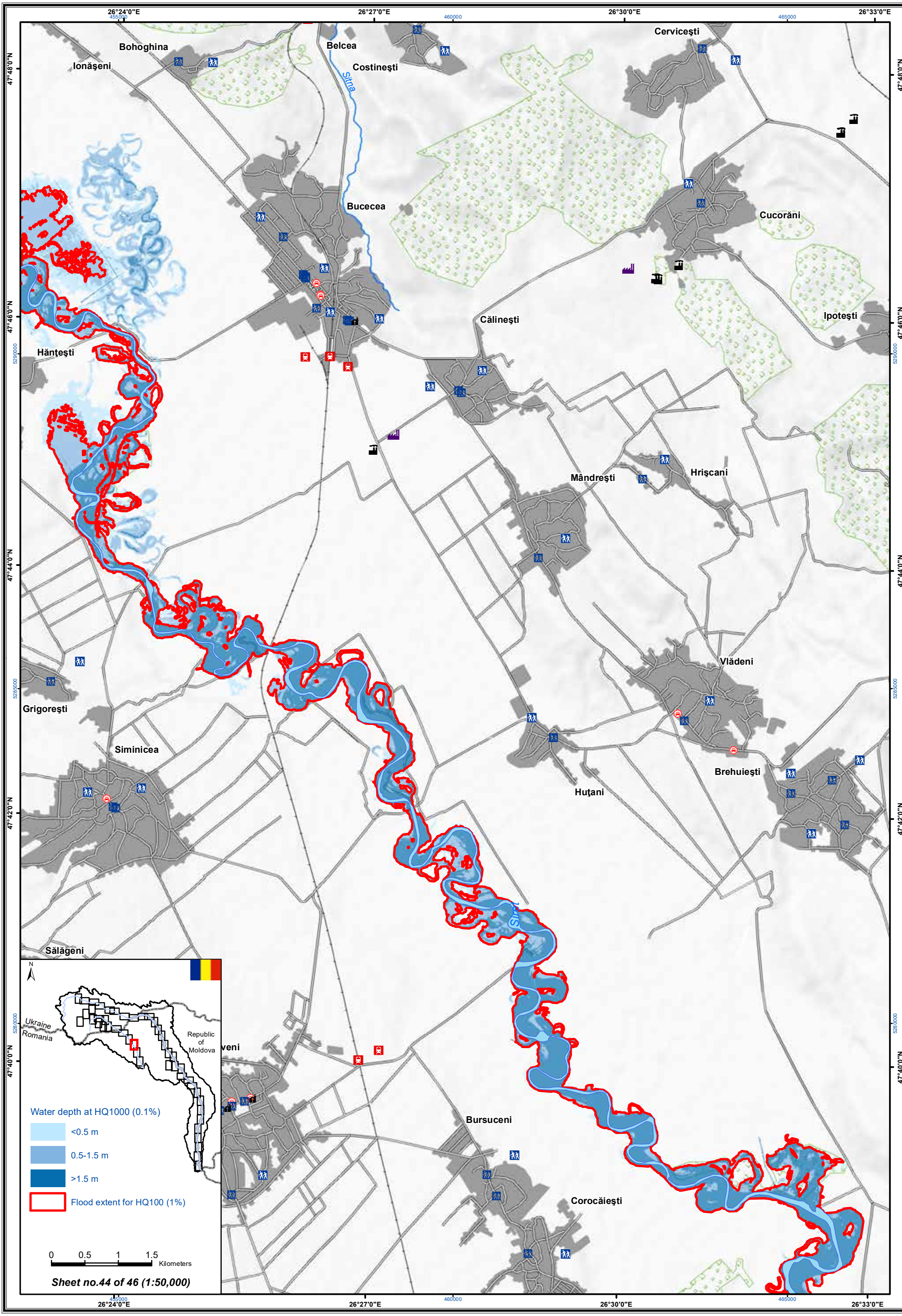
Talpa
Lunca
Pustoaia
Maghera
Vârfu Câmpului
Gorovei
Dobrinăuţi-Hapăi
Sauceniţa
Văculeşti
Buda
Zvoriştea
Dealu
Stânca
Şerbăneşti
Ionăşeni
Stâncuţa
Poiana
Slobozia
Bohoghina
Bucecea Reservoir
Bereşti
Călugăreni
Hănţeşti
Arţari
Adâncata

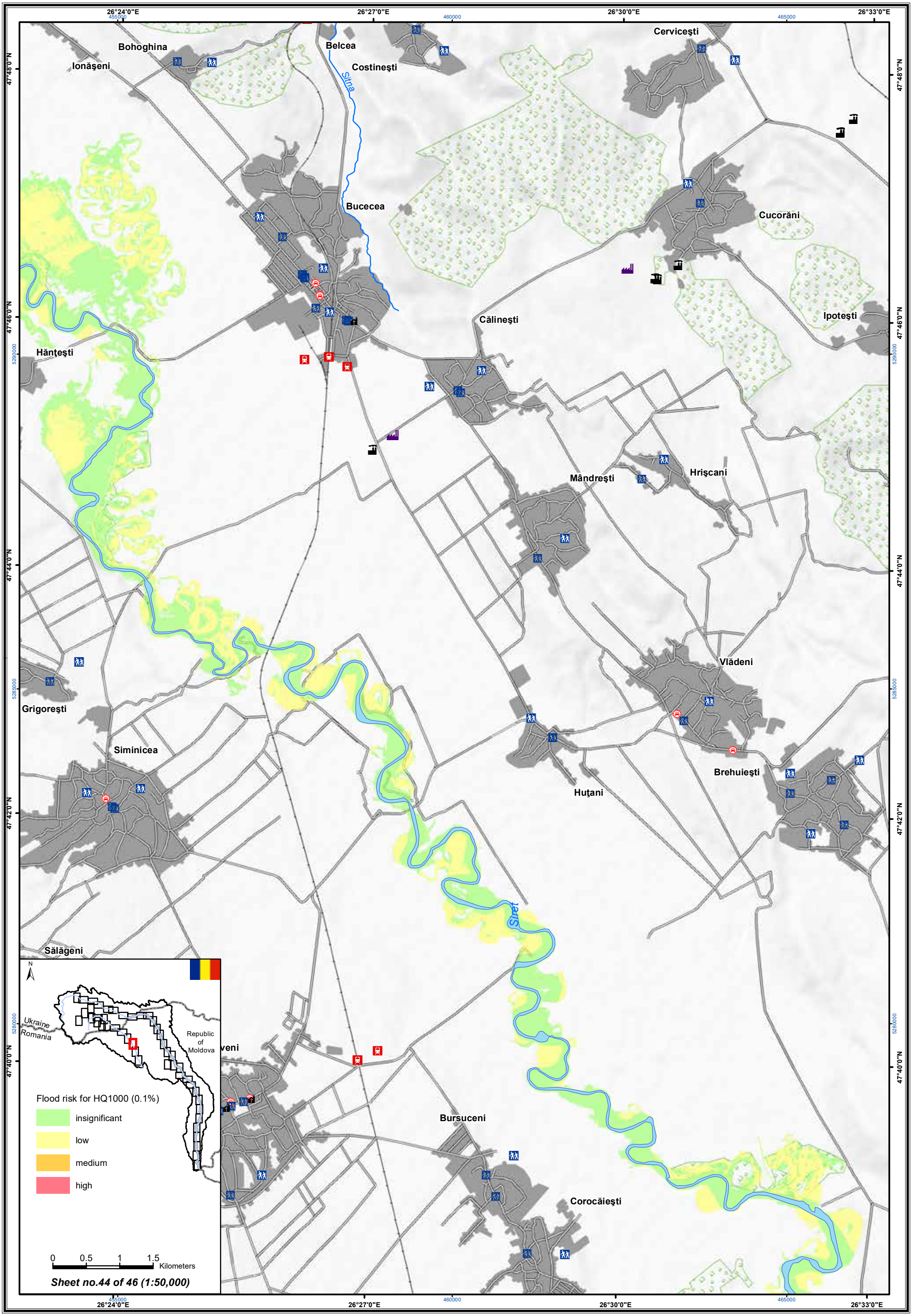
N
Ukraine
Romania
Republic of Moldova

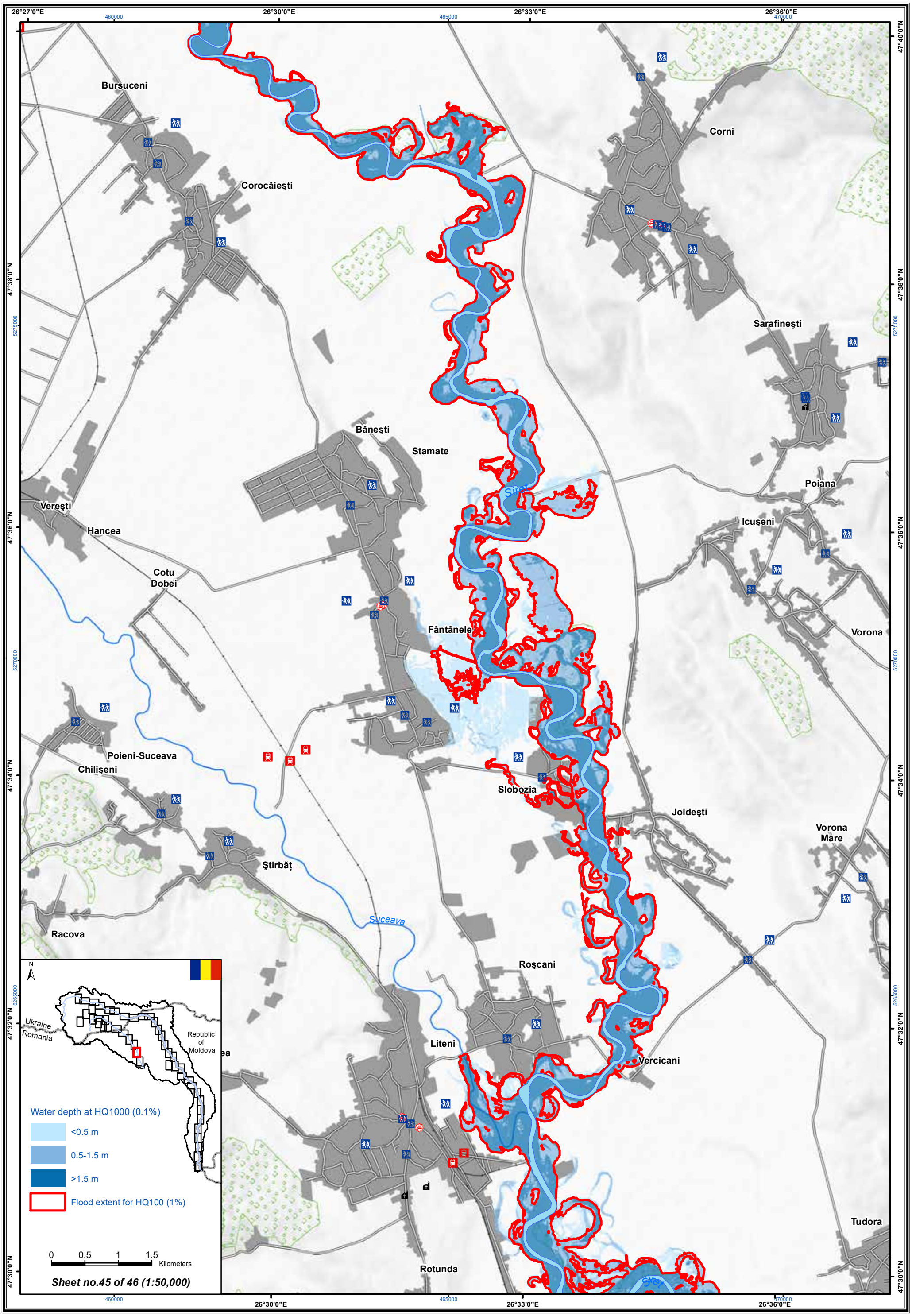
Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.43 of 46 (1:50,000)


26°24'0"E
26°27'0"E
26°30'0"E
26°33'0"E
455000
460000
465000
47°48'0"N
47°46'0"N
47°44'0"N
47°42'0"N
47°40'0"N
5290000
5285000
5280000
Bohoghina
Ionăşeni
Belcea
Costineşti
Sitna
Cervicești
Bucecea
Cucorăni
Călineşti
Ipoteşti
Hănţeşti
Mândreşti
Hrişcani
Vlădeni
Brehuieşti
Huţani
Grigoreşti
Siminicea
Sălăgeni
Bursuceni
Corocăieşti
Ukraine
Romania
Republic of Moldova
N
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0
0.5
1
1.5
Kilometers
Sheet no.44 of 46 (1:50,000)


26°24'0"E
26°27'0"E
26°30'0"E
26°33'0"E
455000
460000
465000
47°48'0"N
47°46'0"N
47°44'0"N
47°42'0"N
47°40'0"N
5290000
5285000
5280000
Bohoghina
Ionăşeni
Belcea
Costineşti
Sitna
Cervicești
Bucecea
Cucorăni
Călineşti
Ipoteşti
Hănţeşti
Mândreşti
Hrişcani
Vlădeni
Grigoreşti
Siminicea
Brehuieşti
Huţani
Siret
Sălăgeni
Bursuceni
Corocăieşti
Ukraine
Romania
Republic of Moldova
Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high
0 0.5 1 1.5
Kilometers
Sheet no.44 of 46 (1:50,000)


26°27'0"E
26°30'0"E
26°33'0"E
26°36'0"E
460000
465000
470000
47°40'0"N
47°38'0"N
47°36'0"N
47°34'0"N
47°32'0"N
47°30'0"N
5275000
5270000
5265000
Bursuceni
Corocăieşti
Corni
Sarafineşti
Bănești
Stamate
Poiana
Vereşti
Hancea
Icuşeni
Cotu
Dobei
Fântânele
Vorona
Poieni-Suceava
Chilişeni
Slobozia
Joldeşti
Vorona
Mare
Ştirbăț
Racova
Roşcani
Liteni
Vercicani
Tudora
Rotunda
Ukraine
Romania
Republic
of
Moldova
Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)
0
0.5
1
1.5
Kilometers
Sheet no.45 of 46 (1:50,000)

26°27'0"E 460000 26°30'0"E 465000 26°33'0"E 26°36'0"E 470000

47°40'0"N 47°38'0"N 47°36'0"N 47°34'0"N 47°32'0"N 47°30'0"N

5275000 5270000 5265000

Bursuceni
Corocăieşti
Corni
Sarafineşti
Bănești
Stamate
Siret
Poiana
Vereşti
Hancea
Icuşeni
Cotu Dobei
Fântânele
Vorona
Poieni-Suceava
Chilişeni
Slobozia
Joldeşti
Vorona Mare
Ştirbăț
Suceava
Racova
Roşcani
Liteni
Vercicani
Tudora
Rotunda

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
- insignificant
- low
- medium
- high

0 0.5 1 1.5 Kilometers

Sheet no.45 of 46 (1:50,000)

26°33'0"E
26°36'0"E
26°39'0"E
26°42'0"E
465000
470000
475000
47°30'0"N
47°28'0"N
47°26'0"N
47°24'0"N
47°22'0"N
5260000
5255000
5250000
5245000

Liteni
Rotunda
Corni
Poiana
Siret
Tudora
Siliștea Nouă
Dolhești Mici
Dolhasca
Valea Poienei
Gulia
Budeni
Satu Nou
Buda
Sirețel
Poienari
Probota
Lespezi
Dumbrava
Heci
Pietrosu
Tătăruși
Vâlcica

Ukraine
Romania
Republic of Moldova

Water depth at HQ1000 (0.1%)
<0.5 m
0.5-1.5 m
>1.5 m
Flood extent for HQ100 (1%)

0 0.5 1 1.5 Kilometers

Sheet no.46 of 46 (1:50,000)

26°33'0"E
26°36'0"E
26°39'0"E
26°42'0"E
465000
470000
475000
47°30'0"N
47°28'0"N
47°26'0"N
47°24'0"N
47°22'0"N
5260000
5255000
5250000
5245000

Liteni
Rotunda
Corni
Poiana
Siret
Tudora
Siliștea Nouă
Dolheștii Mici
Somuzul Mare
Dolhasca
Satu Nou
Budeni
Buda
Valea Poienei
Gulia
Poienari
Probota
Siretel
Lespezi
Heci
Dumbrava
Tătăruşi
Pietrosu
Vâlcica

N
Ukraine
Romania
Republic of Moldova

Flood risk for HQ1000 (0.1%)
insignificant
low
medium
high

0 0.5 1 1.5 Kilometers

Sheet no.46 of 46 (1:50,000)

THE LIST OF POTENTIAL FLOODED SETTLEMENTS AND THE DEGREE OF RISK FOR POPULATION

LISTA LOCALITĂŢILOR POTENŢIAL INUNDABILE ŞI GRADUL DE RISC PENTRU POPULAŢIE

Ukraine (UA)

SETTLEMENT	RIVER	TYPE	RISK
Banyliv	Prut R.B. - Cheremosh	village	
Berehomet	Prut R.B.	village	
Boianivka	Prut R.B.	village	
Borshchiv	Prut R.B.	village	
Buda	Prut R.B.	village	
Cherepkivtsi	Siret R.B.	village	
Chernivtsi	Prut R.B.	city	
Dolishnie Zaluchchia	Prut R.B.	village	
Dranytsia	Prut R.B.	village	
Dubivtsi	Prut R.B.	village	
Dumeny	Prut R.B.	village	
Khutir-Budyliv	Prut R.B.	village	
Kornych	Prut R.B.	village	
Koshuliany	Prut R.B.	village	
Kostychany	Prut R.B.	village	
Kuty	Prut R.B. - Cheremosh	town	
Luzhany	Prut R.B.	town	
Mamaivtsi	Prut R.B.	village	
Mamalyha	Prut R.B.	village	
Marshyntsi	Prut R.B.	village	
Nehryntsi	Prut R.B.	village	
Nepolokivtsi	Prut R.B.	town	
Novoivankivtsi	Prut R.B.	village	
Novoselytsia	Prut R.B.	town	
Novyi Kyseliv	Prut R.B.	village	
Nyzhnii Verbizh	Prut R.B.	village	
Pereryv	Prut R.B.	village	
Piadykivtsi	Prut R.B.	village	
Popelnyky	Prut R.B. - Cheremosh	village	
Prut	Prut R.B.	village	
Semakivtsi	Prut R.B.	village	
Sheparivtsi	Prut R.B.	village	
Shypyntsi	Prut R.B.	village	
Storozhynets	Siret R.B.	town	
Striletskyi Kut	Prut R.B.	village	
Tarasivtsi	Prut R.B.	village	
Vanchykivtsi	Prut R.B.	village	
Vanchynets	Prut R.B.	village	
Vashkivtsi	Prut R.B.	town	
Voskresyntsi	Prut R.B.	village	
Vyzhnytsia	Prut R.B. - Cheremosh	town	
Zaluchchia	Prut R.B.	village	
Zamulyntsi	Prut R.B.	village	
Zavallia	Prut R.B.	village	
Zelenyi Hai	Prut R.B.	village	
			High
Barvinkiv	Prut R.B. - Cheremosh	village	
Bila	Prut R.B.	village	
Chornohuzy	Prut R.B. - Cheremosh	village	
Chortoryia	Prut R.B.	village	
Dzhuriv	Rybnycya	village	
Hanniv	Prut R.B.	village	
Horishnie Zaluchchia	Prut R.B.	village	
Kamianka	Siret R.B.	village	
Khlibychyn	Prut R.B.	village	
Kniazhdvir	Prut R.B.	village	
Kniazhe	Prut R.B.	village	
Kolomyia	Prut R.B.	town	
Korolivka	Prut R.B.	village	
Lukavtsi	Siret R.B.	village	
Molnytsia	Prut R.B.	village	
Novyi Vovchynets	Siret R.B.	village	
Orshivtsi	Prut R.B.	village	
Panka	Siret R.B.	village	
Prutivka	Prut R.B.	village	
Revne	Prut R.B.	village	
Roztoky	Prut R.B. - Cheremosh	village	
Roztoky	Prut R.B. - Cheremosh	village	
Slobidka	Prut R.B. - Cheremosh	village	
Sloboda-Banyliv	Prut R.B.	village	
Sniatyn	Prut R.B.	town	
Tovmachyk	Prut R.B.	village	
Tulukiv	Prut R.B.	village	
Zapruttia	Prut R.B.	village	**Medium**

SETTLEMENT	RIVER	TYPE	RISK
Banyliv-Pidhirnyi	Siret R.B. - Maly Siret	village	
Budyliv	Prut R.B.	village	
Cheresh	Siret R.B. - Maly Siret	village	
Davydivka	Siret R.B. - Maly Siret	village	
Hlynytsia	Prut R.B.	village	
Illintsi	Prut R.B.	village	
Ispas	Prut R.B. - Cheremosh	village	
Khorotseve	Prut R.B. - Cheremosh	village	
Komarivtsi	Siret R.B.	village	
Kyidantsi	Prut R.B.	village	
Liubkivtsi	Prut R.B.	village	
Lunka	Prut R.B.	village	
Mahala	Prut R.B.	village	
Marynychi	Prut R.B. - Cheremosh	village	
Miliieve	Prut R.B. - Cheremosh	village	
Myhovo	Siret R.B.	village	
Oleshkiv	Prut R.B.	village	
Petrychanka	Siret R.B.	village	
Prypruttia	Prut R.B.	village	
Revakivtsi	Prut R.B.	village	
Shpetky	Prut R.B. - Cheremosh	village	
Sopiv	Prut R.B.	village	
Stara Zhadova	Siret R.B.	village	
Sucheveny	Siret R.B. - Maly Siret	village	
Tiudiv	Prut R.B. - Cheremosh	village	
Verkhnii Verbizh	Prut R.B.	village	
Vovchkivtsi	Prut R.B.	village	
Vydyniv	Prut R.B.	village	
Zabolotiv	Prut R.B.	town	**Low**
Bancheny	Prut R.B.	village	
Biloberizka	Prut R.B. - Cheremosh	village	
Boiany	Prut R.B.	village	
Budenets	Siret R.B. - Maly Siret	village	
Burdei	Prut R.B.	village	
Chudei	Siret R.B. - Maly Siret	village	
Debeslavtsi	Prut R.B.	village	
Horbova	Prut R.B.	village	
Hrushiv	Prut R.B.	village	
Kobaky	Prut R.B. - Cheremosh	village	
Korytne	Prut R.B. - Cheremosh	village	
Kupka	Siret R.B. - Maly Siret	village	
Lekechi	Siret R.B.	village	
Mizhbrody	Prut R.B. - Cheremosh	village	
Myshyn	Prut R.B.	village	
Nyzhni Petrivtsi	Siret R.B. - Maly Siret	village	
Orelets	Prut R.B.	village	
Ostrytsia	Prut R.B.	village	
Ostrytsia	Prut R.B.	village	
Pechenizhyn	Prut R.B.	town	
Petrashi	Prut R.B. - Cheremosh	village	
Pidzakharychi	Prut R.B. - Cheremosh	village	
Rakivchyk	Prut R.B.	village	
Rudnyky	Rybnycya	village	
Rybne	Prut R.B. - Cheremosh	village	
Staryi Vovchynets	Siret R.B.	village	
Troitsia	Prut R.B.	village	
Tsuren	Prut R.B.	village	
Tulova	Prut R.B.	village	
Usteriky	Prut R.B. - Cheremosh	village	
Ust-Putyla	Prut R.B. - Cheremosh	village	
Velykyi Rozhyn	Prut R.B. - Cheremosh	village	
Verkhni Petrivtsi	Siret R.B. - Maly Siret	village	
Vovchynets	Siret R.B.	village	
Vyzhenka	Prut R.B. - Cheremosh	village	
Yizhivtsi	Siret R.B. - Maly Siret	village	
Zamostia	Prut R.B. - Cheremosh	village	
Zarichchia	Siret R.B.	village	
Zeleniv	Prut R.B.	village	**Insignificant**

Romania (RO)

SETTLEMENT	RIVER	TYPE	RISK
Bosia	Prut	village	High
Cilibiu	Prut	village	
Frăsuleni	Prut	village	
Golăiești	Prut	village	
Grădinari	Prut	village	
Icușeni	Prut	village	
Luceni	Prut	village	
Mânzătești	Prut	village	
Oprișeni	Prut	village	
Podu Jijiei	Prut	village	
Rădăuți-Prut	Prut	village	
Ripiceni	Prut	village	
Scoposeni	Prut	village	
Sculeni	Prut	village	
Țuțora	Prut	village	
Ungheni	Prut	village	
Victoria	Prut	village	
Bălteni	Prut	village	Medium
Baranca	Prut	village	
Coada Stâncii	Prut	village	
Cotu lui Ivan	Prut	village	
Petrești	Prut	village	
Probota	Prut	village	
Românești	Prut	village	
Sadoveni	Prut	village	
Șendreni	Prut	village	
Siret	Siret	town	
Trifești	Prut	village	
Zvoriștea	Siret	village	
Bădiuți	Prut	village	Low
Bobulești	Prut	village	
Bogdănești	Prut	village	
Cârniceni	Prut	village	
Cotu Morii	Prut	village	
Cristești	Prut	village	
Dancu	Prut	village	
Focșa	Prut	village	
Gorban	Prut	village	
Hermeziu	Prut	village	
Horia	Prut	village	
Larga-Jijia	Prut	village	
Medeleni	Prut	village	
Rediu	Prut	village	
Slobozia	Siret	village	
Stânca	Prut	village	
Ștefănești	Prut	town	
Tomești	Prut	village	
Albița	Prut	village	Insignificant
Bădărăi	Prut	village	
Bălinești	Siret	village	
Berza	Prut	village	
Bivolari	Prut	village	
Borșa	Prut	village	
Brănești	Prut	village	
Broscoșești	Prut	village	
Budeni	Siret	village	
Bumbăta	Prut	village	
Cândești	Siret	village	

SETTLEMENT	RIVER	TYPE	RISK
Chiperești	Prut	village	Insignificant
Condrea	Prut	village	
Costuleni	Prut	village	
Cotu Miculinți	Prut	village	
Crasnaleuca	Prut	village	
Cuzlău	Prut	village	
Darabani	Prut	town	
Dolhasca	Siret	town	
Drânceni	Prut	village	
Fălciu	Prut	village	
Fântânele	Siret	village	
Foltești	Prut	village	
Frumușița	Prut	village	
Grozești	Prut	village	
Gulia	Siret	village	
Gura Bohotin	Prut	village	
Hănțești	Siret	village	
Heci	Siret	village	
Horodiștea	Prut	village	
Iași	Prut	city	
Joldești	Siret	village	
Lespezi	Siret	village	
Liteni	Siret	town	
Liveni	Prut	village	
Loturi	Prut	village	
Lunca	Siret	village	
Lunca	Siret	village	
Lunca Veche	Prut	village	
Manoleasa	Prut	village	
Manoleasa-Prut	Prut	village	
Mihail Kogălniceanu	Prut	village	
Mitoc	Prut	village	
Oancea	Prut	village	
Oroftiana	Prut	village	
Oțetoaia	Prut	village	
Păun	Prut	village	
Prisăcani	Prut	village	
Rânzești	Prut	village	
Rediu Mitropoliei	Prut	village	
Rogojeni	Prut	village	
Rogojești	Siret	village	
Roșcani	Siret	village	
Satu Nou	Prut	village	
Șerbănești	Siret	village	
Slobozia Oancea	Prut	village	
Soloneț	Prut	village	
Tabăra	Prut	village	
Talpa	Siret	village	
Țigănași	Prut	village	
Țipilești	Prut	village	
Vădeni	Prut	village	
Vârfu Câmpului	Siret	village	
Vășcăuți	Siret	village	
Vetrișoaia	Prut	village	
Vlădești	Prut	village	
Vladomira	Prut	village	
Zaboloteni	Prut	village	
Zamostea	Siret	village	

Republic of Moldova (MD)

SETTLEMENT	RIVER	TYPE	RISK
Cotul Morii	Prut	village	High
Criva	Prut	village	
Cuconeștii Vechi	Prut	village	
Drepcăuți	Prut	village	
Semeni	Prut	village	
Zagarancea	Prut	village	
Bisericani	Prut	village	Medium
Blindești	Prut	village	
Braniște	Prut	village	
Costuleni	Prut	village	
Măcărești	Prut	village	
Nemțeni	Prut	village	
Obileni	Prut	village	
Pogănești	Prut	village	
Pruteni	Prut	village	
Sărăteni	Prut	village	
Țiganca	Prut	village	
Ungheni	Prut	town	
Văleni	Prut	village	
Avrămeni	Prut	village	Low
Badragii Noi	Prut	village	
Badragii Vechi	Prut	village	
Balatina	Prut	village	
Călinești	Prut	village	
Chetriș	Prut	village	
Cioara	Prut	village	
Dumeni	Prut	village	
Duruitoarea Nouă	Prut	village	
Gotești	Prut	village	
Grimești	Prut	village	
Grozești	Prut	village	
Lipcani	Prut	town	
Medeleni	Prut	village	
Movileni	Prut	village	
Reteni	Prut	village	
Reteni-Vasileuți	Prut	village	
Sărata-Răzeși	Prut	village	
Sculeni	Prut	village	
Sirăuți	Prut	village	
Vadul lui Isac	Prut	village	
Valea Mare	Prut	village	

SETTLEMENT	RIVER	TYPE	RISK
Antonești	Prut	village	Insignificant
Barboieni	Prut	village	
Brînza	Prut	village	
Buzduganii de Jos	Prut	village	
Cahul	Prut	town	
Cîslița-Prut	Prut	village	
Colibași	Prut	village	
Corpaci	Prut	village	
Crihana Veche	Prut	village	
Cuhnești	Prut	village	
Cuzmenii Vechi	Prut	village	
Dancu	Prut	village	
Drujineni	Prut	village	
Duruitoarea	Prut	village	
Gherman	Prut	village	
Ghioltosu	Prut	village	
Giurgiulești	Prut	village	
Hănăsenii Noi	Prut	village	
Hîncesti	Prut	village	
Horodiște	Prut	village	
Leca	Prut	village	
Leova	Prut	town	
Leușeni	Prut	village	
Manta	Prut	village	
Moara Domnească	Prut	village	
Pașcani	Prut	village	
Pererita	Prut	village	
Slobozia Mare	Prut	village	
Taxobeni	Prut	village	
Tețcani	Prut	village	
Toceni	Prut	village	
Tochile-Răducani	Prut	village	
Unteni	Prut	village	
Varatic	Prut	village	
Viișoara	Prut	village	
Zberoaia	Prut	village	

Village - sat;

Town – oraș;

City - reședință de județ, reședință de raion etc.

The European Union is made up of 28 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms.

The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders.

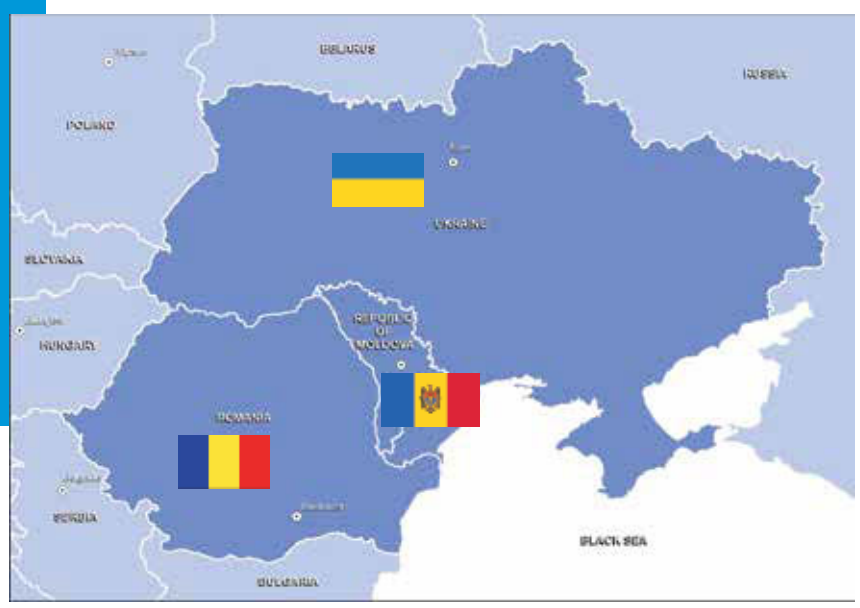
The Joint Operational Programme Romania-Ukraine-Republic of Moldova 2007-2013 is financed by the European Union through the European Neighborhood and Partnership Instrument and co-financed by the participating countries in the programme.

Lead Partner:	**Ministry of Environment** Romania
Partner 2:	**Prut-Barlad Water Basin Administration** Romania
Partner 3:	**Siret Water Basin Administration** Romania
Partner 4:	**National Institute of Hydrology and Water Management** Romania
Partner 5:	**"Apele Moldovei" Agency** Republic of Moldova
Partner 6:	**Dnister-Prut Basin Department of water resources** Ukraine
Partner 7:	**Chernivtsi Regional Centre on Hydrometeorology** Ukraine
Partner 8:	**State Scientific and Technical Centre for inter-sectorial&regional problems of the Environemental Safety and Resources Conservation "EcoResources"** Ukraine

Project implemented by Ministry of Environment - Romania

Contact: Marisanda PÎRÎIANU, Project Coordinator,
tel.:+40.756.089.972,
e-mail: marisanda.piriianu@mmediu.ro

Silvia NEAMȚU, Project Coordinator Assistant,
tel: +40.754.231.242,
e-mail: silvia.neamtu@mmediu.ro



This publication has been produced with the assistance of the European Union. The contents of this publication are the sole responsibility of Ministry of Environment of Romania and can in no way be taken to reflect the views of the European Union or of the Romania-Ukraine-Republic of Moldova Joint Operational Programme 2007-2013 management structures.

Ref: The trilateral project "The prevention and protection against floods in the upper Siret and Prut River Basins, through the implementation of a modern monitoring system with automatic stations - EAST AVERT", cod 966, funded by the Joint Operational Programme Romania - Ukraine - Republic of Moldova, European Neighbourhood and Partnership Instrument (ENPI)