

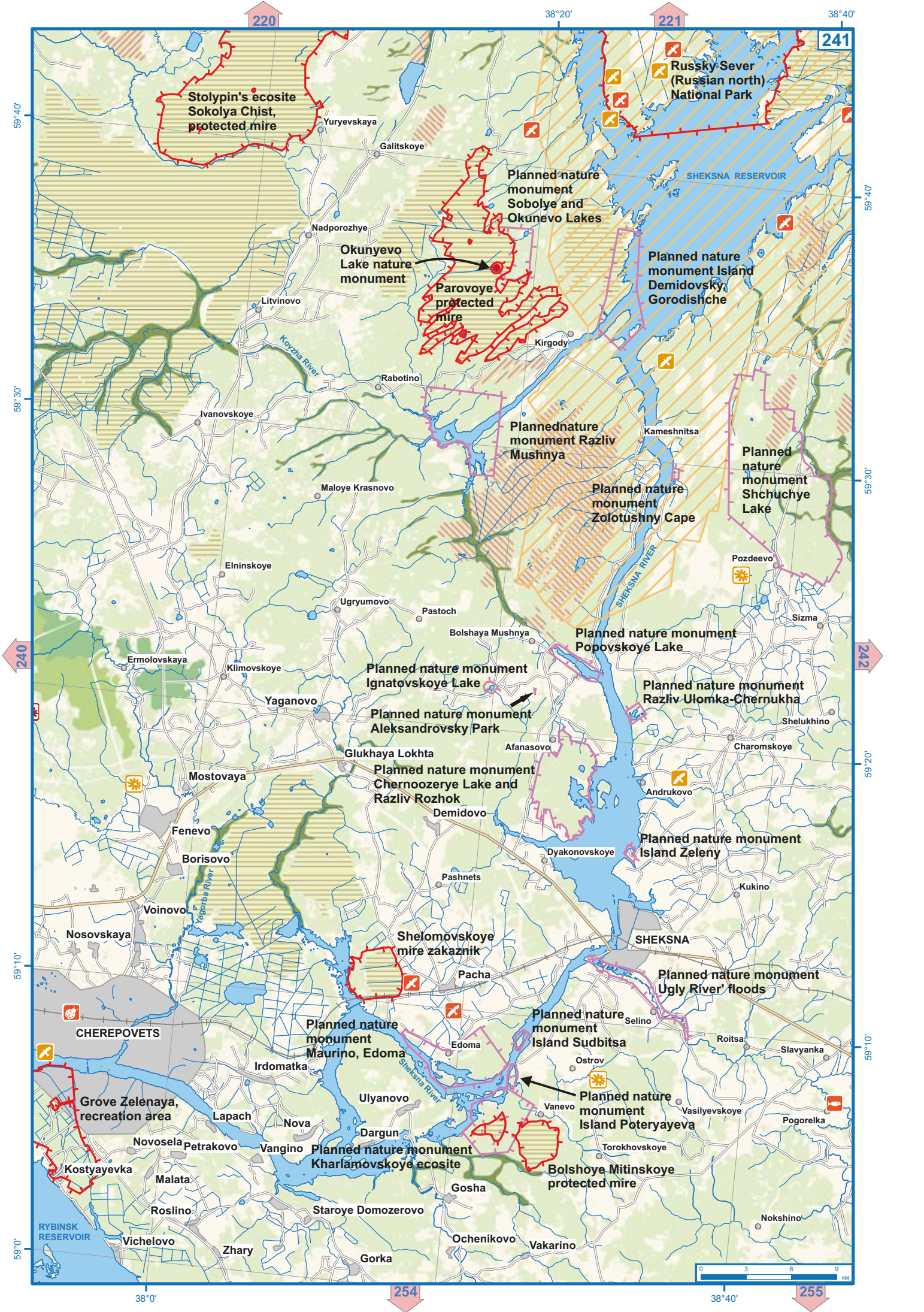
NOVGOROD REGION

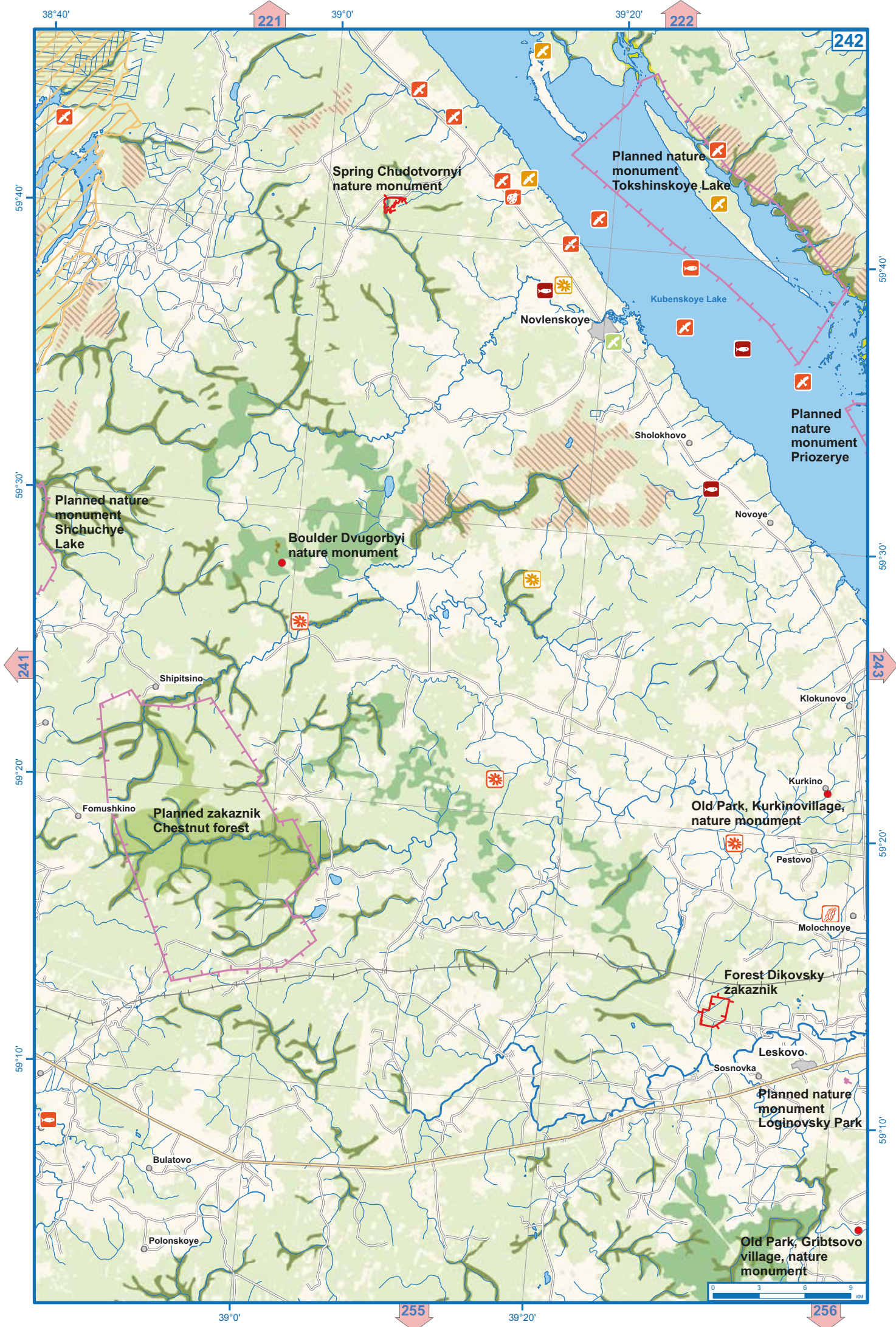














Planned nature monument Shulepovo

Planned nature monument Shylyakovo

Planned nature monument Borshchevo

Planned nature monument Nesterovskoye

Planned nature monument Melenka

Planned nature monument Pine forest

Planned nature monument Svetlikovo

Planned nature monument Arkhangelsky

Planned nature monument Priozerye

Planned nature monument Shachino

Planned protected mire Novoye

Planned protected mire Sukhona

Ridge Olarevskaya nature monument

Planned protected mire Sokolskoye

Planned nature monument Rus

Rabangsko-Dorovskoye protected mire

Old Park, Kraskovo village, nature monument

Old Park, Ermolovo village, nature monument

Mikhaltsevsкая Grove, nature monument

Elm forest Veksa, nature monument

Elm forest Temny Mys, nature monument

Oak groves (Dubnya) nature monument

Planned nature monument Sukhona lowland

Planned nature monument Loginovsky Park

Spruce forest Kiriki-Ulity Village, nature monument

Old Park, Kotelnikovo village, nature monument

Old Park, Gribtsovo village, nature monument

Planned nature monument Shulepovo

Sukhoye protected mire

Planned extension of Olebino protected mire

Olebino protected mire

Planned nature monument Tokhmarevo

Planned nature monument Sosnovaya Alley

Planned nature monument Pine forest Krominsky

Planned nature monument Noskovo

Planned nature monument Sodima River shore Lisy Gory

Alekseevskoye protected mire

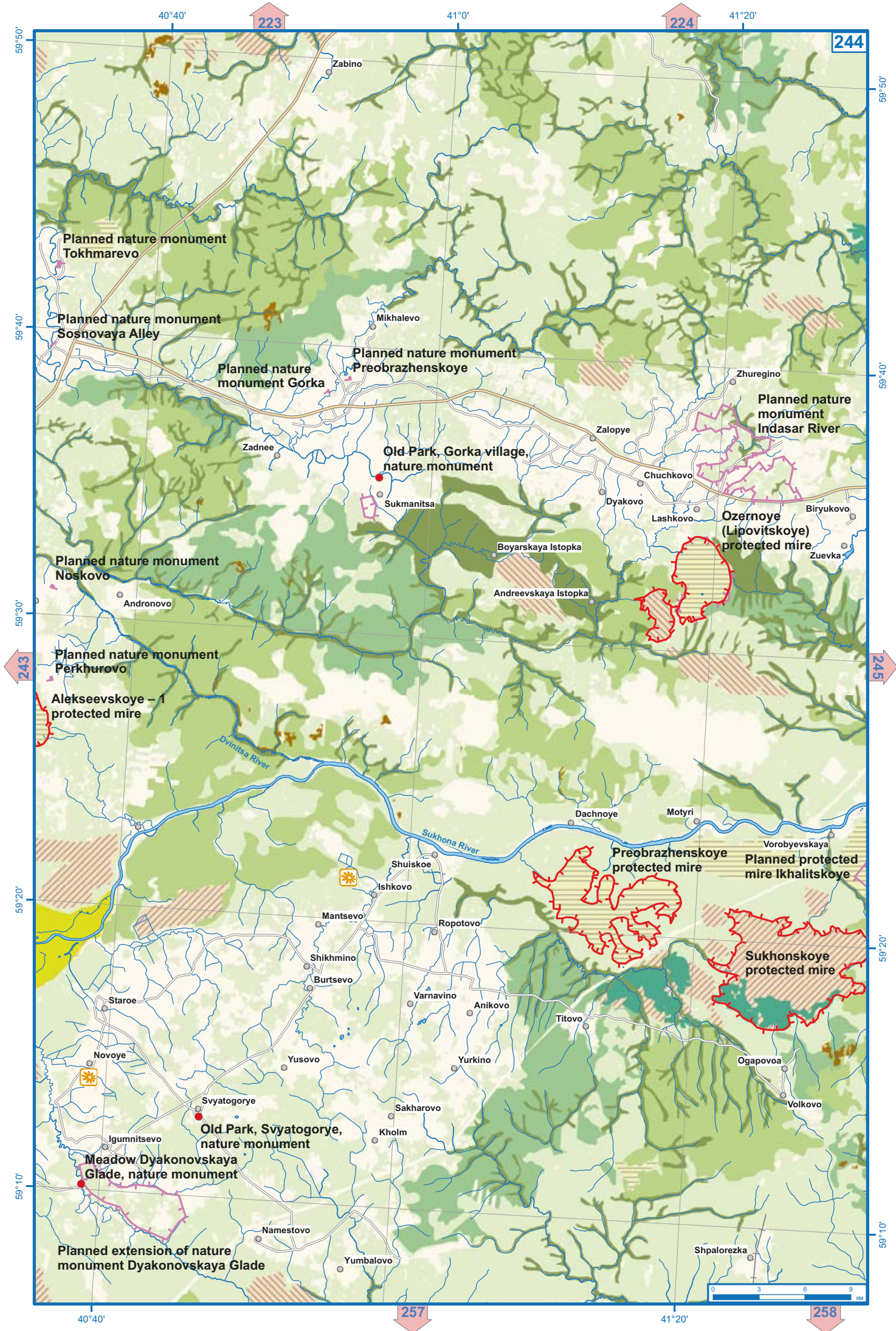
Planned nature monument Linden Park

Old Park, Kuznetsovo village, nature monument

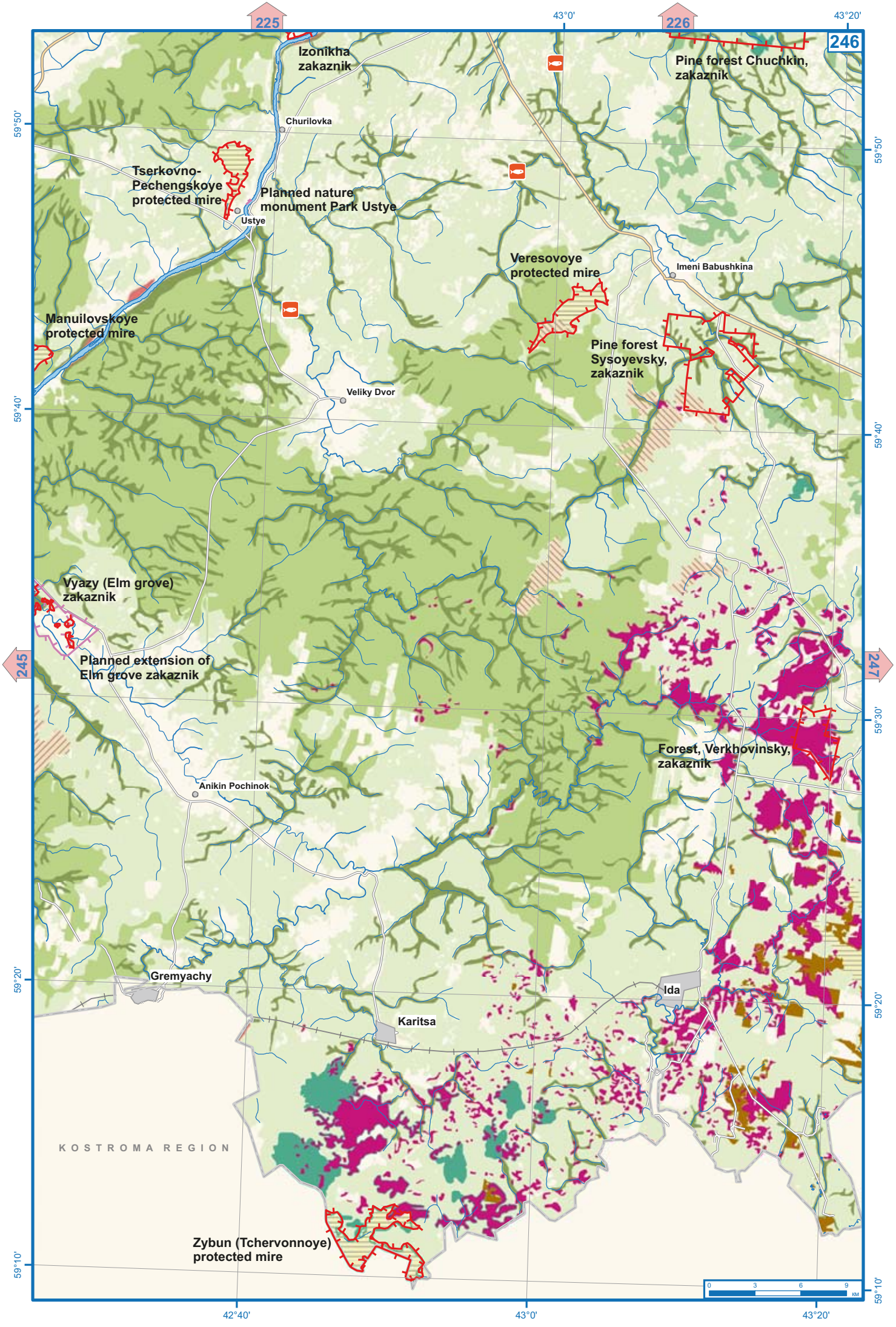
Planned nature monument Perkhurovo

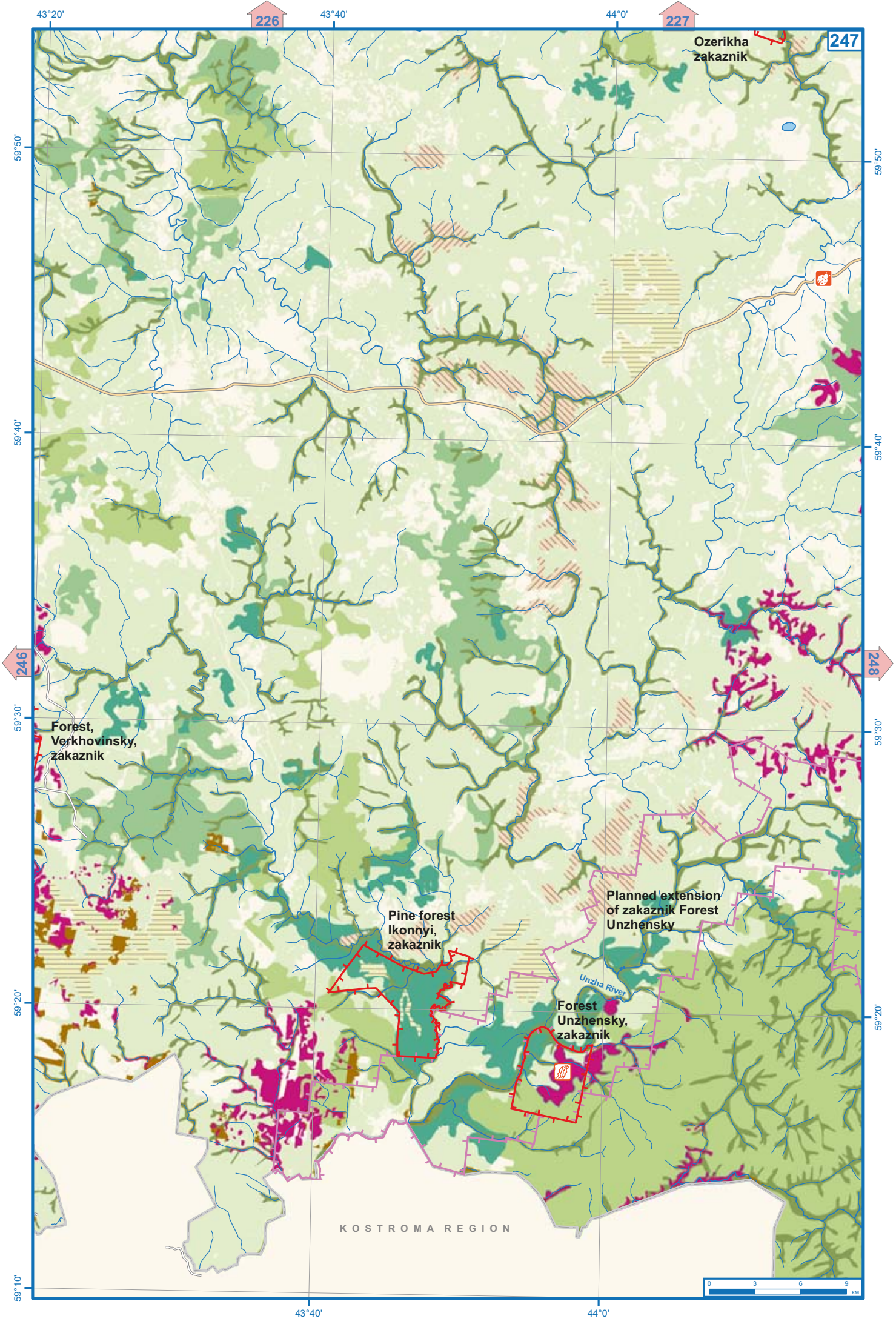
Zubtsovo

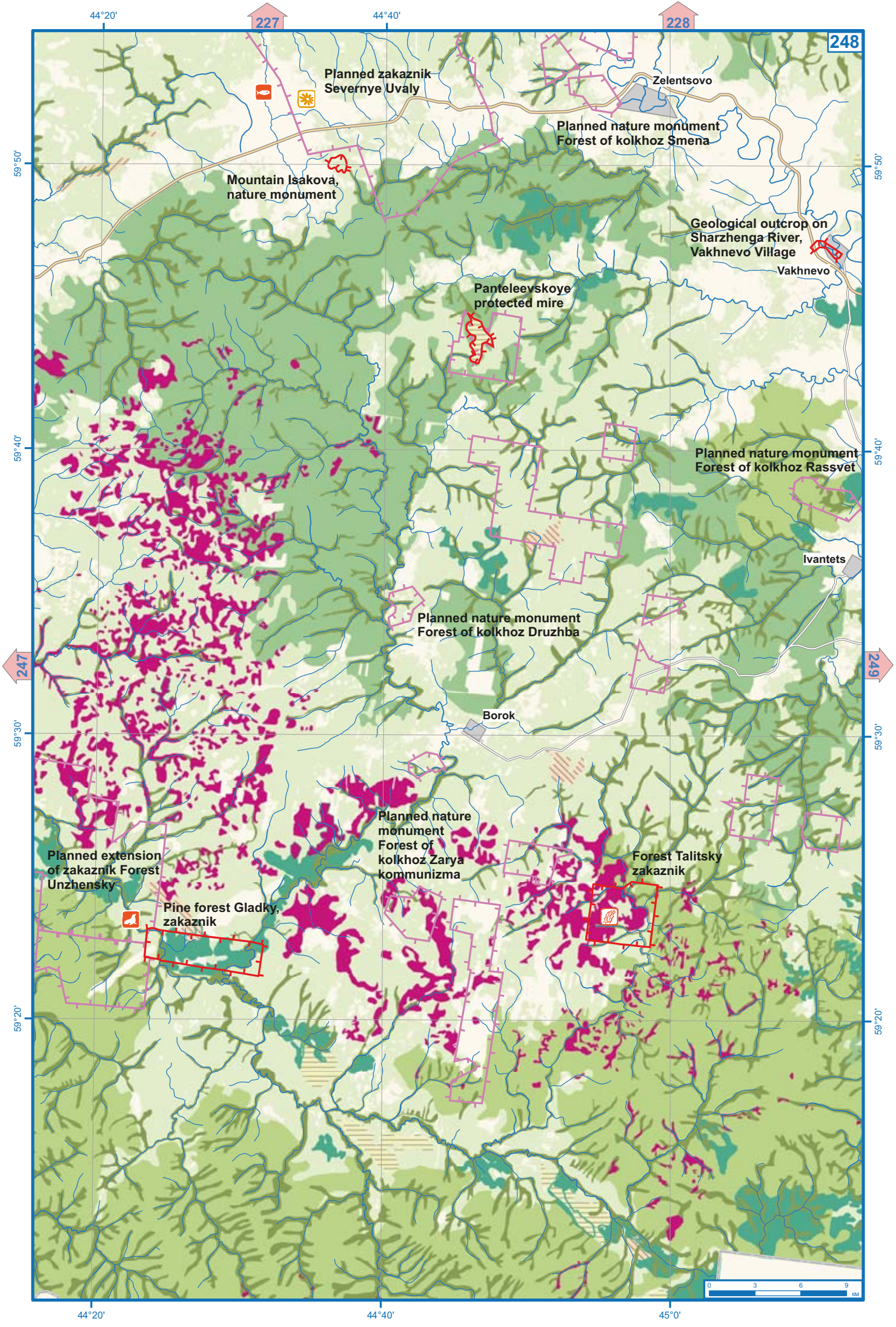


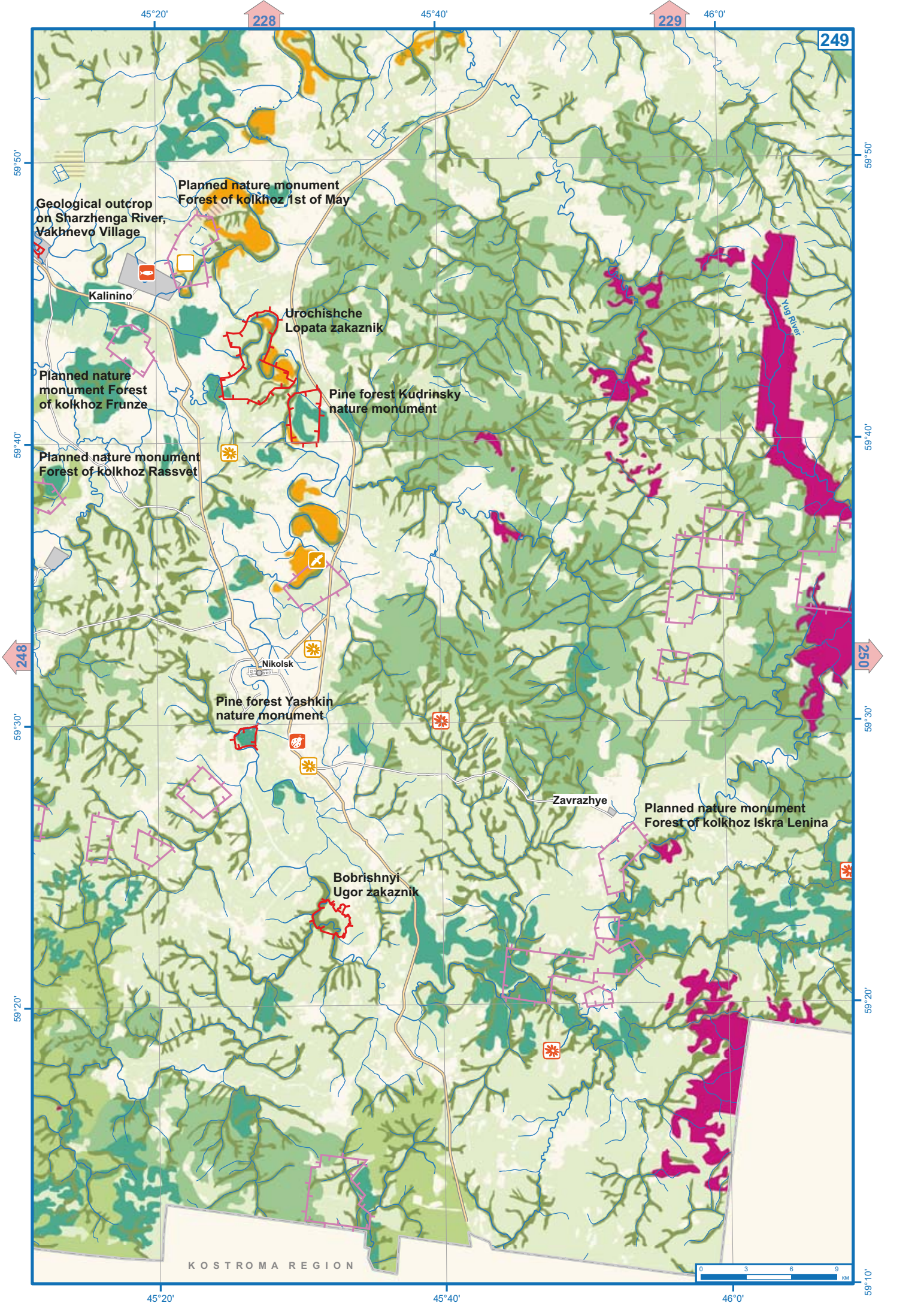


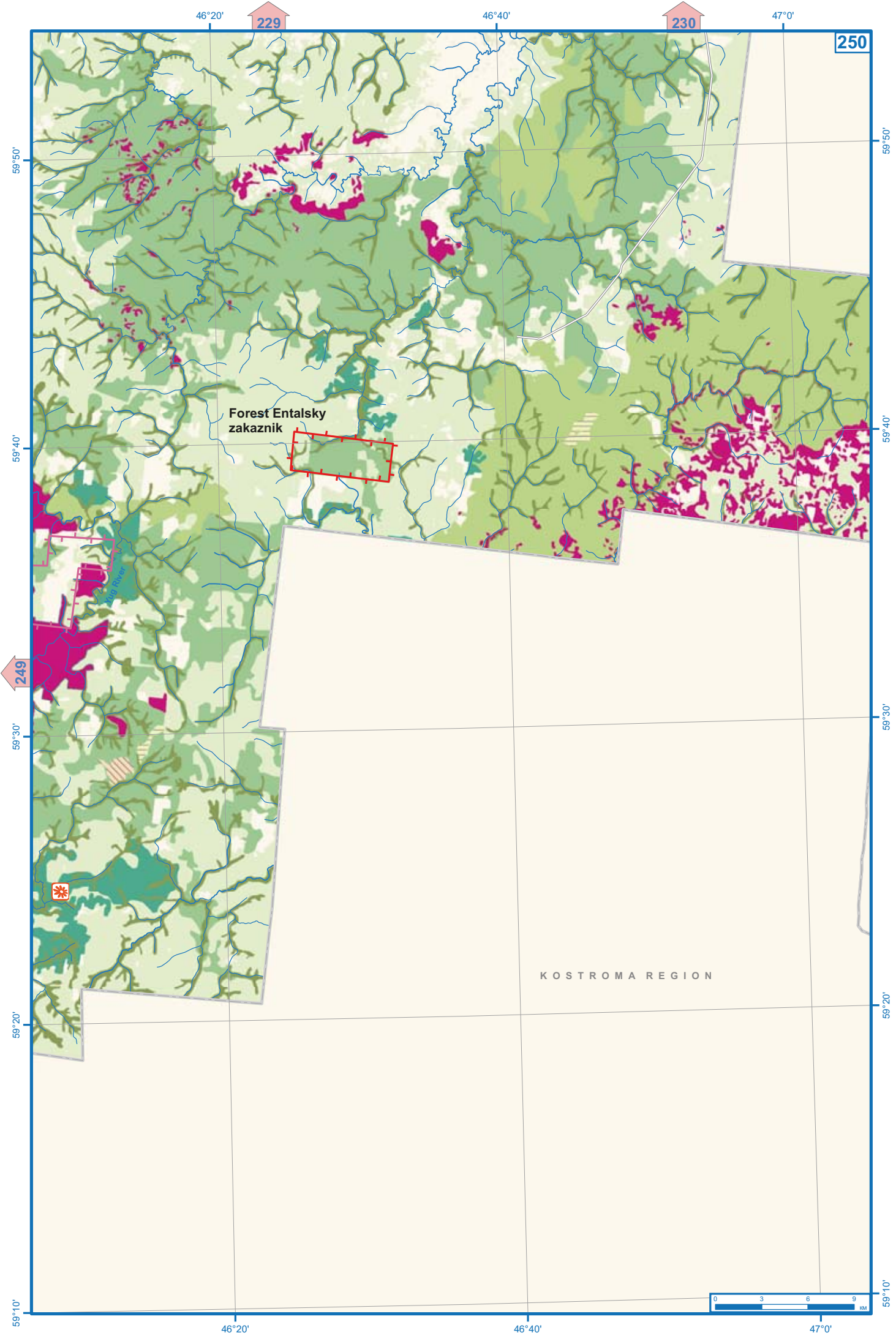










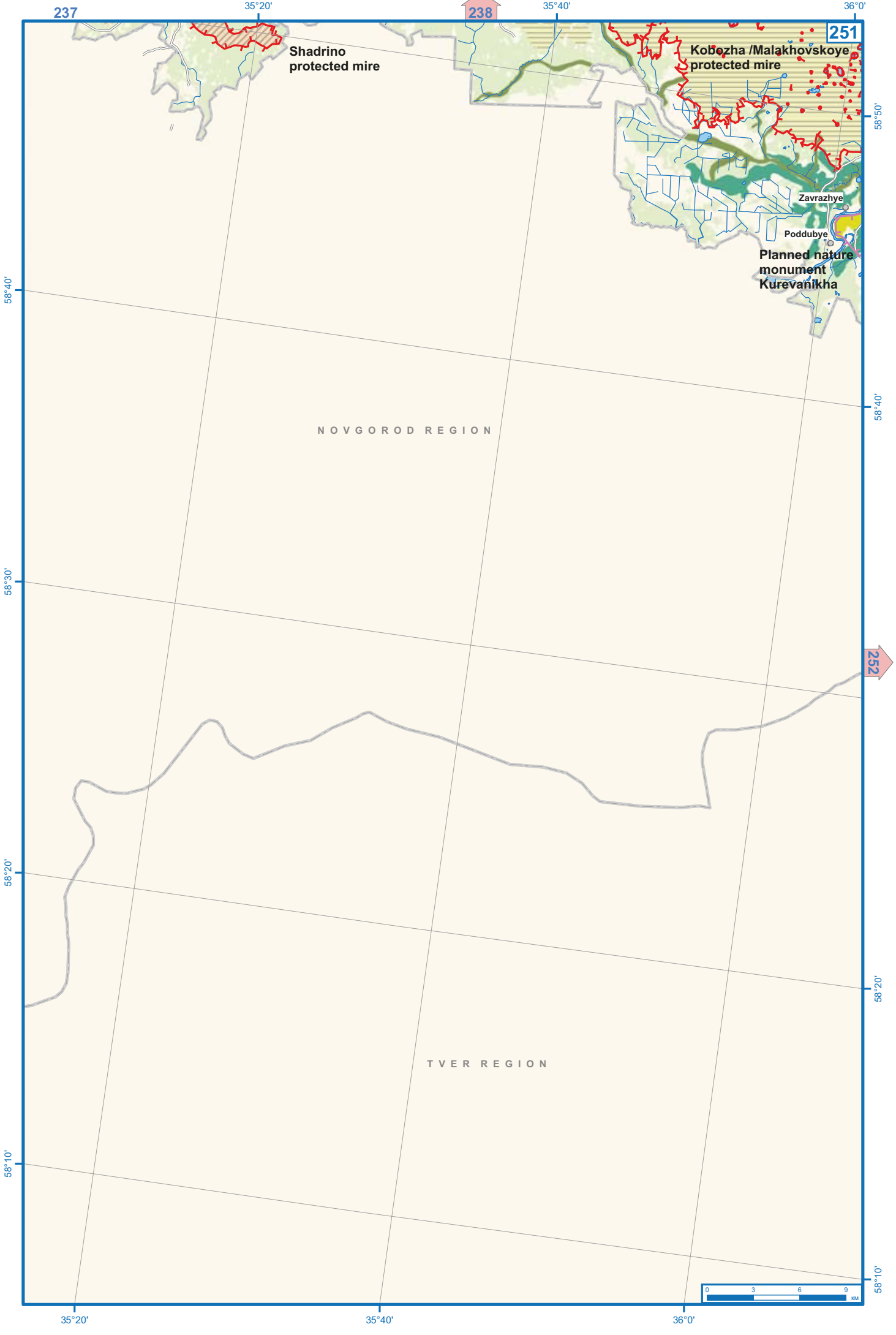


Forest Entalsky zakaznik

Kula River

KOSTROMA REGION





237

35°20'

238

35°40'

36°0'

251

Shadrino
protected mire

Kobozha / Malakhovskoye
protected mire

Zavrazhye

Poddubye

Planned nature
monument
Kurevanikha

NOVGOROD REGION

TVER REGION

252





Kobozya/Majakhovskoye protected mire

Aleksandrovo-Maryino

Vanskaya Luka, zakaznik

252

Plotichye

Planned extension of zakaznik Vanskaya Luka

Shishkina Niva nature monument

USTYUZHNA

Podsosene nature monument

Dendropark in Ustyuzhna Town, nature monument

Old Park, Mikhailovskoe village, nature monument

Planned nature monument Kurevanikha

Staroe Kvasovo

Dementyevo

Zyablikovo

Zhukovo

Old Park, Bolshoe Vosnoe village, nature monument

Park, Danilovskoe village, nature monument

Sosnovaya Alleya nature monument

Kresty

58°40'

NOVGOROD REGION

Torsky zakaznik

Kostyanovo

253

TVER REGION

58°20'

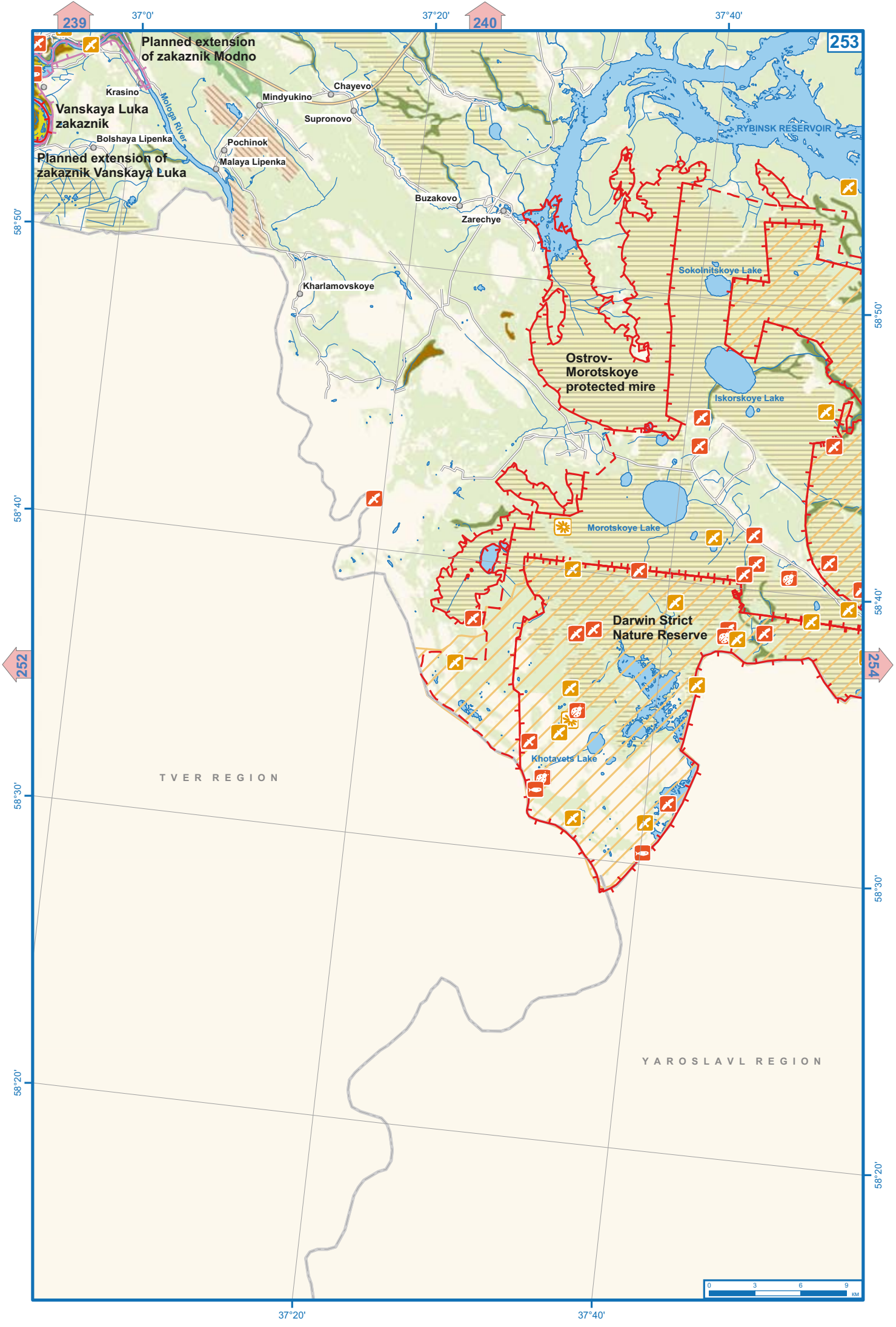
58°10'

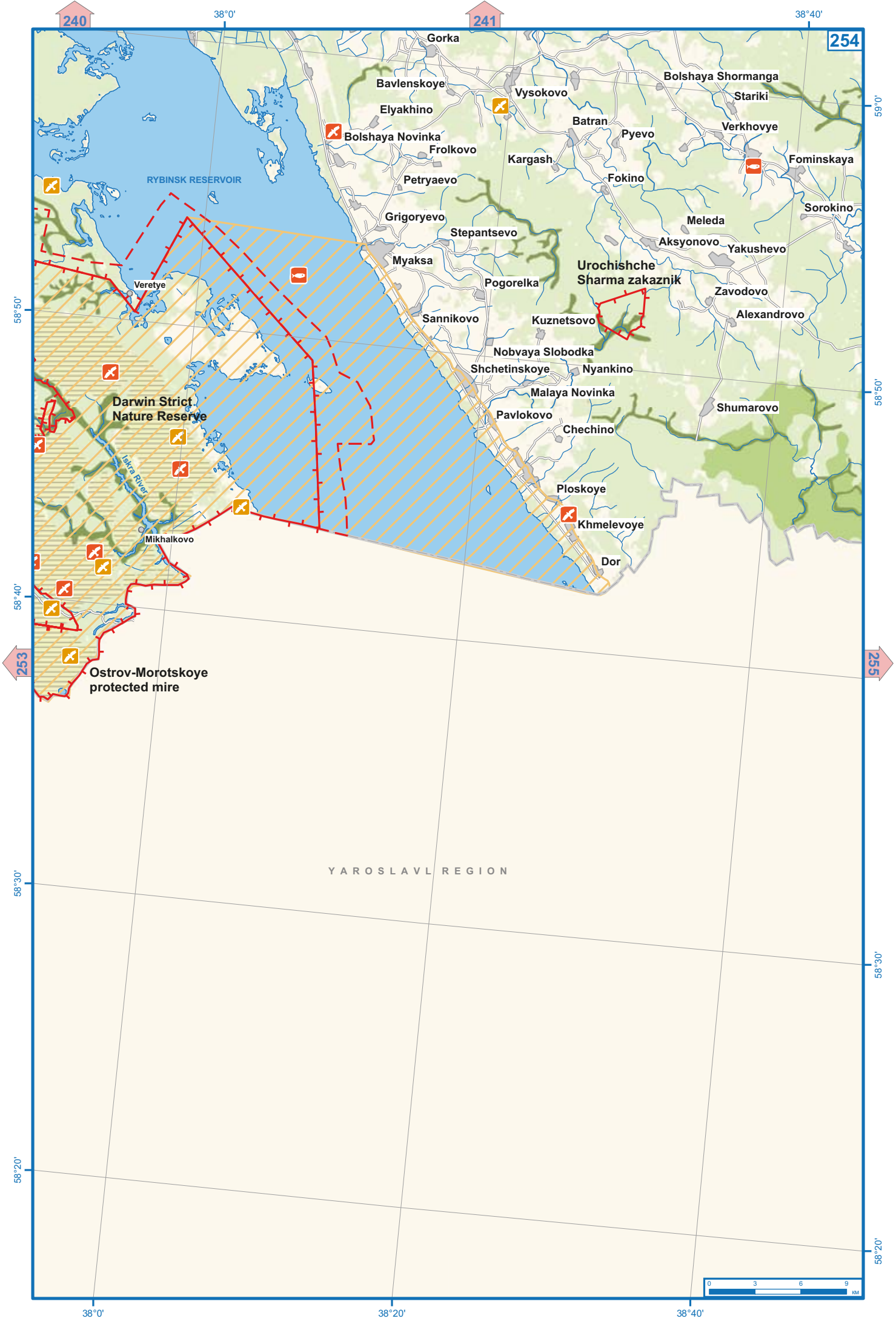


36°20'

36°40'

37°0'





240

241

254

58°50'

58°40'

58°30'

58°20'

38°0'

38°20'

38°40'

59°0'

58°50'

03°89'

08°20'

YAROSLAVL REGION

Ostrov-Morotskoye protected mire

Darwin Strict Nature Reserve

Urochishche Sharma zakaznik

RYBINSK RESERVOIR

Iskra River





241

242

255

59°0'

59°0'

58°50'

58°50'

58°30'

58°40'

58°20'

58°30'

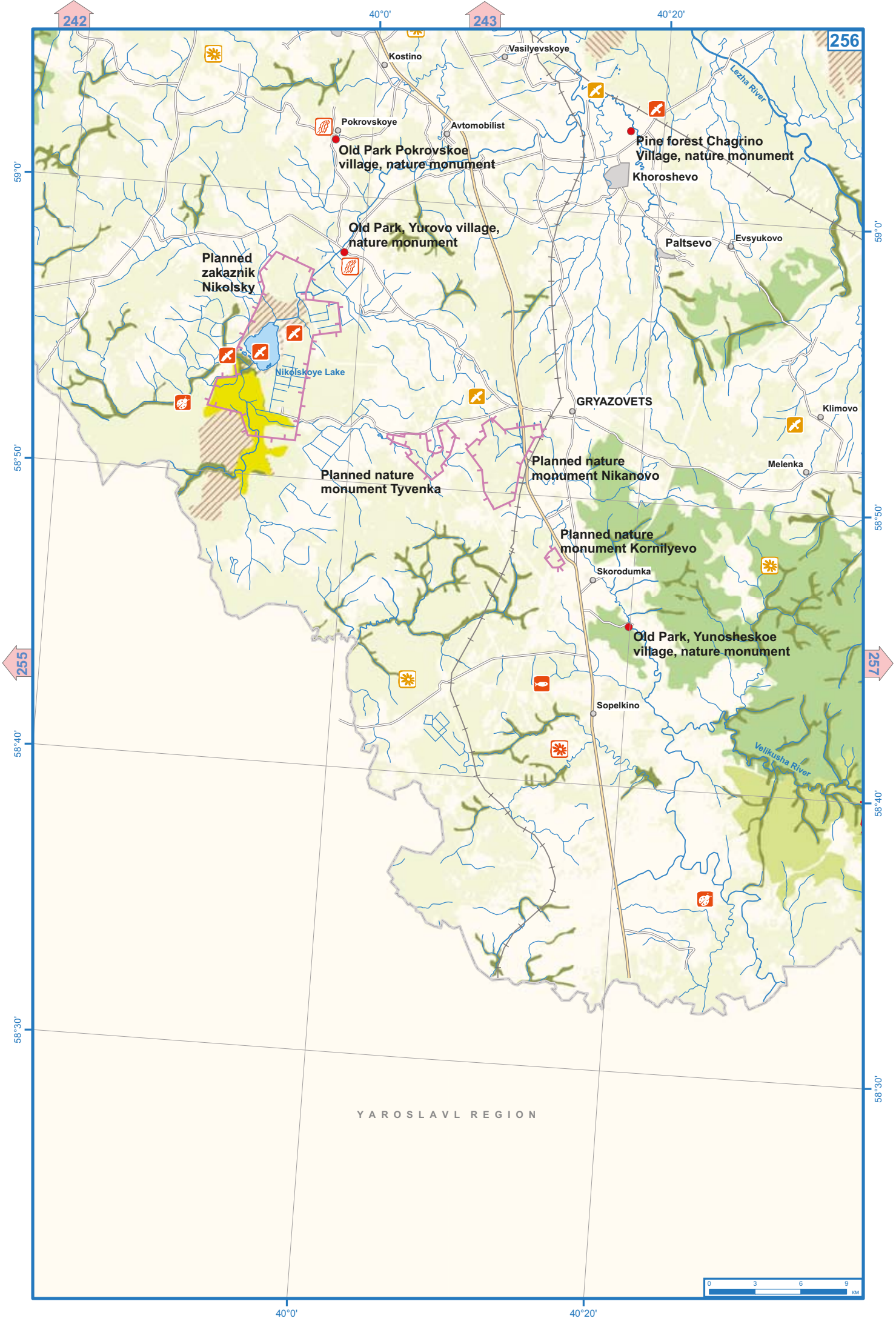
39°0'

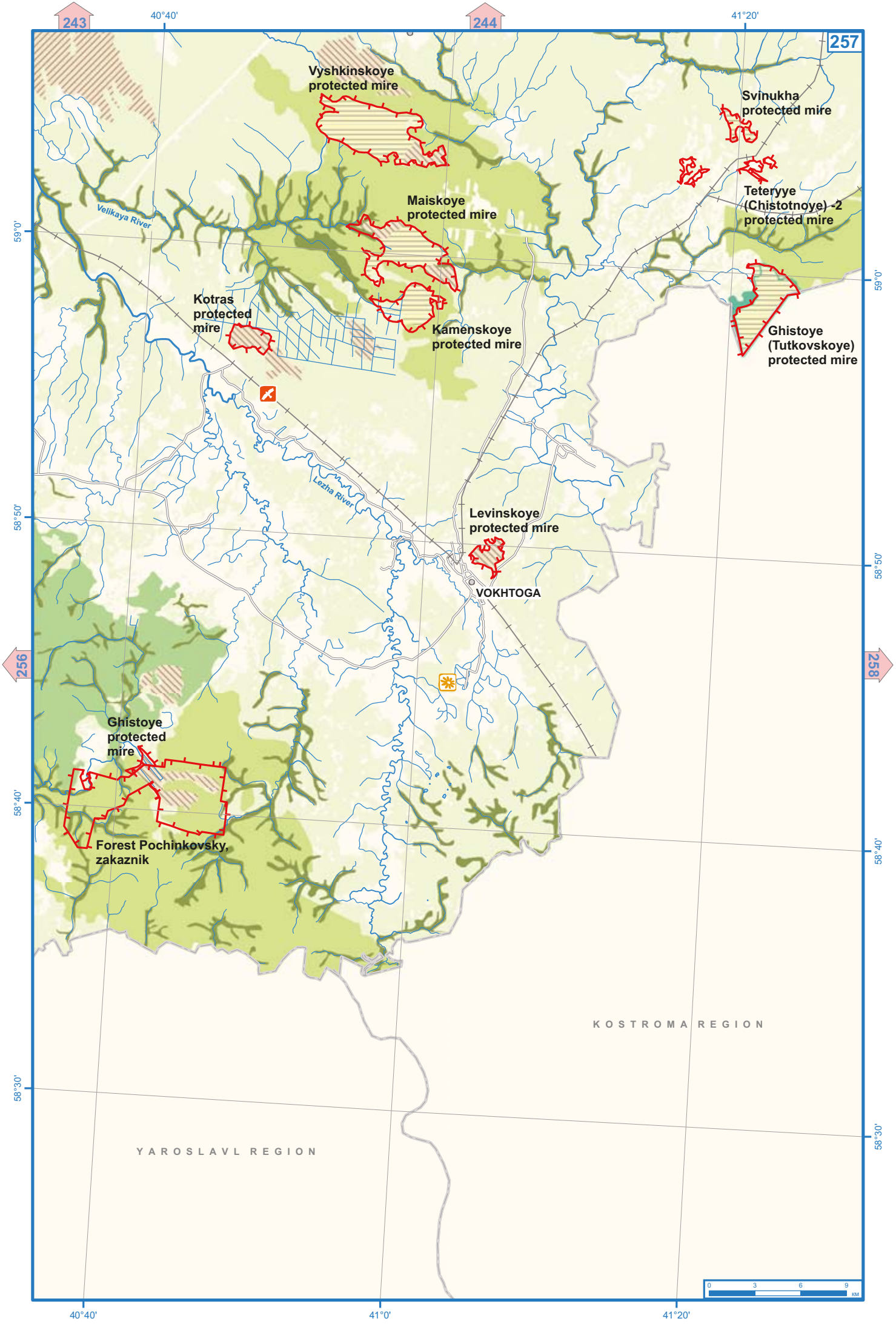
39°20'

39°40'

YAROSLAVL REGION







244

41°40'

245

42°20'

258

59°0'

59°0'

58°50'

58°50'

58°40'

58°40'

58°30'

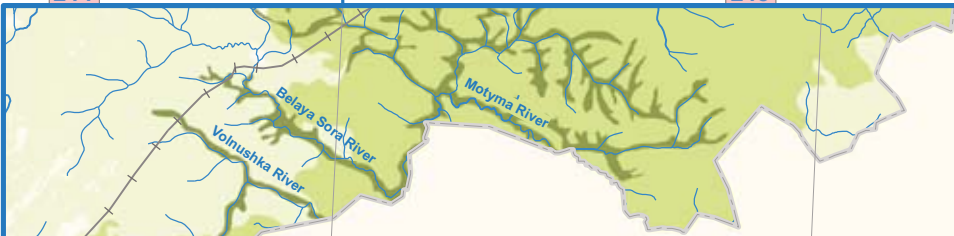
58°30'

KOSTROMA REGION

41°40'

42°0'

42°20'



257

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Leningrad Region and St. Petersburg: *Tomilin, A.M.*

Vologda Region: *Filonenko, I.V., Maksutova, N.K.*

Forest biotopes

Murmansk Region: *Aksenov D.E., Kobayakov, K.N., Koltsov, D.B., Petrov, V.N., Rogova, N.V.*

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Vologda Region: *Filonenko, I.V., Koltsov, D.B., Maksutova, N.K.,*

Mire biotopes

Murmansk Region: *Esipova, E.S., Kobayakov, K.N.*

Arkhangelsk Region: *Churakova, E. Yu, Dobrynin, D.A., Panteleev, A.A., Yurkovskaya, T.K.*

Republic of Karelia: *Esipova, E.S., Korosov, A.A., Kuznetsov, O.L., Tokarev, P.N.*

Leningrad Region and St. Petersburg: *Esipova, E.S., Smagin, V.A., Noskova, M.G.*

Vologda Region: *Filippov, D.A., Filonenko, I.V.*

Tundra biotopes

Murmansk Region: *Kobayakov, K.N., Koltsov, D.B.,*

Republic of Karelia: *Koltsov, D.B.*

Grasslands

Murmansk Region: *Kobayakov, K.N.*

Biotopes with prevalence of abiotic component, coastal and aquatic biotopes

Murmansk Region: *Kobayakov, K.N., Koltsov, D.B., Rogova, N.V.*

Arkhangelsk Region: *Dobrynin, D.A., Kirillov, A.G., Koltsov, D.B.*

Republic of Karelia: *Koltsov, D.B.*

Leningrad Region and St. Petersburg: *Koltsov, D.B., Noskova, M.G.*

Vologda Region: *Filonenko, I.V., Koltsov, D.B.,*

Key biotopes (salmon spawning sites, sea bird colonies)

Murmansk Region: *Aleksandrov G.N., Chemyakin, R.G., Ezhov, A.V., Klimov, A.C., Kobayakov, K.N., Petrov, V.N., Zaitzev, V.G.*

Arkhangelsk Region: *Kirillov, A.G.*

Republic of Karelia: *Kobayakov, K.N., Loshkareva A.R.*

Leningrad Region and St. Petersburg: *Milto, K.D., Popov, I.Yu.*

Vologda Region: *Borisov, M. Ya., Filonenko, I.V.*

Habitats of animal species included in Red Data Book of Russian Federation

Murmansk Region: *Aleksandrov, G.N., Byanki, V.V., Bychkov, Yu.M., Ganusevich, S.A., Dylyuk, S.A., Ezhov, A.V., Kobayakov, K.N., Kreindlin, M.L., Petrov, V.N., Plets, M.Yu., Potorochin, M.O.*

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Vologda Region: *Borisov, M.Ya., Filonenko, I.V.*

Habitats of plant, lichen and fungus species included in Red Data Book of Russian Federation.

Murmansk Region: *Aleksandrov, G.N., Filimonova, T.V., Kobyakov, K.N., Kozhevnikova, A.D., Koltsov, D.B., Konoreva, L.A., Konstantinova, N.A., Kostina, V.A., Plets, M.Yu., Petrov, V.N., Petrova, O.V., Razumovskaya, A.V., Smirnov, D.Yu., Titova, S.V.*

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Leningrad Region and St. Petersburg: *Alekseeva, N.M., Andreeva, E.N., Buzunova, I.O., Byalt, V.I., Dorofeev, V.I., Doronina, A.Yu., Efimov, P.G., Geltman, D.V., Glazkova, E.A., Himmelbrandt, D.E., Illarionova, E.A., Konechnaya, G.Yu., Kotkova, V.M., Konoreva, L.A., Krupkina, L.I., Kurbatova, L.E., Kuznetsova, E.S., Sorokina, I.A., Stepanchikova I.S., Tsvetov, N.N., Volkova, E.A.*

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<i>Abstract</i>	<p>Northwest Russia boasts still huge, almost intact forest and mire landscapes that have, when it comes to their size, no match in Europe. They can be considered valuable on the international level. Many of these areas have no protection status and their size decreases due to logging and other human activities.</p> <p>This publication bases on the results of the Finnish-Russian project "Gap Analysis in Northwest Russia". It was implemented in 2007-2011 in the six regions of the Northwestern Federal District of the Russian Federation: Republic of Karelia, Murmansk Region, Leningrad Region, City of St. Petersburg, Vologda Region and Arkhangelsk Region (excluding Nenets Autonomous District and Arctic Islands). The aim of the project was to support the international targets of the Convention on Biological Diversity to halt the loss of biodiversity by studying ecological gaps and representativeness of the protected area network in this region, and giving recommendations on its development.</p> <p>This publication presents the identified internationally significant high conservation value (HCV) areas in north-west Russia that are particularly important habitats for the region's native species and ensure nature's ecological balance. A consistent approach in terms of method and criteria was applied across the region. It was based on satellite image interpretation, which was used together with topographic maps, archived information, and results of field surveys.</p> <p>The identified HCV areas were compared with the protected area network to analyze protection gaps. Regional as well as national (federal) level protected areas were included in the analysis, and the planned protected areas were considered along with already existing ones. Analysis was focused chiefly on assessing the large areas, and therefore some smaller HCV areas were covered with the analysis only partly. This publication gives recommendations for further development of the protected area network in the study area. The borders of HCV areas in the atlas section are sufficiently detailed to support the establishment of new protected areas. These results provide important tools for land use planning and a lot of new information for officials, nature conservation specialists, students and teachers, and the general public as well.</p> <p>The project was coordinated by the Finnish Environment Institute, within the framework of the Development Program on Sustainable Forest Management and Conservation of Biodiversity in Northwest Russia, and funded by the Neighbouring Co-operation Funding of the Ministry for Foreign Affairs and Ministry of the Environment of Finland.</p>			
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<i>Тематика публикации</i>				
<i>Части публикации/ другие публикации, вышедшие в рамках этого же проекта</i>	Данное издание составлено на основании публикации «Сохранение ценных природных территорий Северо-Запада России. Анализ репрезентативности сети ООПТ Архангельской, Вологодской, Ленинградской и Мурманской областей, Республики Карелии, Санкт-Петербурга / Коллектив авторов. Под ред. Кобякова К.Н. Санкт-Петербург. 2011. 506 с.»			
<i>Резюме</i>	<p>На Северо-Западе России сохранились почти в естественном состоянии лесные и болотные массивы, по своим размерам не имеющие себе равных нигде в Европе, и множество более мелких биотопов, обладающих высокой природоохранной ценностью в международном масштабе. Многие из них не имеют статуса охраняемых и подвергаются антропогенной трансформации.</p> <p>Данное издание представляет собой переработанную версию публикации на русском языке результатов проекта «GAP-анализ на Северо-Западе России». Цель этого проекта, осуществленного в 2007-2011 гг. – замедление процесса утраты биоразнообразия согласно международной Конвенции о Биологическом разнообразии, задачи – анализ биологической репрезентативности сети особо охраняемых природных территорий (ООПТ) шести регионов Северо-Западного федерального округа Российской Федерации и выявление в ней пробелов.</p> <p>В книге представлены результаты выделения ценных для сохранения естественного биологического разнообразия и поддержания экологической стабильности природных территорий (ЦПТ). Работа была впервые проведена по единой методике для всей рассмотренной территории: использовались данные дистанционного зондирования в сочетании с анализом картографического материала, архивных данных и результатов полевых исследований.</p> <p>Проанализировано состояние существующей и проектируемой системы ООПТ на Северо-Западе России, включая все региональные категории, и её репрезентативность по отношению к выделенным ЦПТ. Основными объектами исследования были большие массивы малонарушенных лесов и болот, а ценные природные биотопы меньшего размера были выявлены и закартированы лишь на отдельных участках исследованной территории. Внесены предложения для дальнейшего развития системы ООПТ и повышения её эффективности. Вторая часть книги представляет собой атлас, где в достаточно крупном масштабе приведены все выделенные в ходе работы ЦПТ. Данный атлас может оказать неоценимую помощь при определении границ вновь создаваемых ООПТ. Книга предназначена для административных органов в области природопользования и охраны окружающей среды, экологов, специалистов по охране природы, студентов естественнонаучных специальностей, учителей и для широкой общественности.</p> <p>Проект выполнялся в рамках российско-финляндской международной программы «Развитие устойчивого лесного хозяйства и сохранение биоразнообразия на Северо-Западе России». Координатор – Институт Окружающей Среды Финляндии, финансирование было получено на цели сотрудничества и добрососедства от Министерства Иностранных Дел и Министерства Окружающей Среды Финляндии.</p>			
<i>Ключевые слова</i>	Охрана природы, участки высокой природоохранной ценности, малонарушенные лесные и болотные массивы, космические снимки, Северо-Запад России			
<i>Финансирующая организация/заказчик</i>	Министерство Окружающей Среды Финляндии, Министерство Иностранных Дел Финляндии			
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	<i>Количество страниц</i> 259 + 258 maps	<i>Язык</i> Английский	<i>Конфиденциальность</i> Публичная	<i>Цена (вкл. НДС 8 %)</i>
<i>Продавец/ дистрибьютер публикации</i>	Настоящее издание доступно в Интернете по адресу: www.syke.fi/nature/nwrussia			
<i>Финансирование публикации</i>	Институт Окружающей Среды Финляндии (SYKE), P.O. Box 140, FIN-00251 Helsinki, Finland			
<i>Место и год издания</i>	Edita Prime Oy 2013			

KUVAILEHTI

Julkaisija	Suomen ympäristökeskus (SYKE)			Julkaisu-aika Kesäkuu 2013
Tekijä(t)	Konstantin Kobjakov & Jevgeni Jakovlev (toim.)			
Julkaisun nimi	Atlas of high conservation value areas, and analysis of gaps and representativeness of the protected area network in Northwest Russia: Arkhangelsk, Vologda, Leningrad, and Murmansk Regions, Republic of Karelia, and City of St. Petersburg			
Julkaisusarjan nimi ja numero	Englanninkielinen korjauksin toimitettu laitos: © Suomen ympäristökeskus SYKE, luontoympäristökeskus			
Julkaisun teema				
Julkaisun osat/ muut saman projektin tuottamat julkaisut	Englanninkielinen korjauksin toimitettu laitos perustuu julkaisuun: Sokhranenie tsennykh prirodnykh territoriy Severo-Zapada Rossii. Analiz reprezentativnosti seti OOPT Arkhangelskoi, Vologodskoi, Leningradskoi i Murmanskoi oblastei, Respubliki Karelii, Sankt-Peterburga/ Kollektiv avtorov. Pod red. Kobyakova, K.N. Sankt-Peterburg. 2011. 506 s.			
Tiivistelmä	<p>Luoteis-Venäjällä on vielä valtavia lähes täysin luonnontilaisia metsä- ja suoalueita, joiden vertaisia ei koon ja monimuotoisuuden laadun puolesta ole muualla Euroopassa. Monet näistä alueista eivät ole suojelun piirissä, ja niiden ala vähenee hakkuiden ja muun ihmisen toiminnan vaikutuksen seurauksena.</p> <p>Tämä julkaisu perustuu suomalais-venäläisen Luoteis-Venäjän suojelualueverkoston arviointi -hankkeen (ns. gap-analyysi) tuloksiin. Hanke toteutettiin vuosina 2007-2011 kuudella Luoteis-Venäjän hallinnollisella alueella: Karjalan tasavallassa, Muurmannin alueella, Leningradin alueella, Pietarin kaupungissa, sekä Vologdan ja Arkangelin alueilla (lukuun ottamatta Nenetsian autonomista aluetta ja arktisia saaria). Projektin tavoitteena oli tukea kansainvälisen biodiversiteettisopimuksen tavoitteita pysäyttämään luonnon monimuotoisuuden kato tutkimalla näiden alueiden suojelualueverkoston ekologisia puutteita ja edustavuutta, sekä antaa suosituksia verkoston kehittämiseksi.</p> <p>Tässä julkaisussa esitetään hankkeessa todetut laajat kansainvälisesti merkittävät suojelullisesti arvokkaat alueet, jotka ovat erityisen tärkeitä elinympäristöjä alueen alkuperäiselle lajistolle ja ekosysteemien ekologisen tasapainon takaamiselle.</p> <p>Metodologiaan ja kriteereihin luotiin yhtenäinen lähestymistapa, jota käytettiin kaikilla hallinnollisilla alueilla. Se perustui satelliittikuvien tulkintaan, jota käytettiin yhdessä topografikarttojen, arkistoidun tiedon ja maastointointien tulosten kanssa yhtenäisen ja päivitetyn tiedon tuottamiseen. Tunnistettuja suojelullisesti arvokkaista alueita vertailtiin olemassa olevan suojelualueverkoston kanssa suojelupuutteiden arvioimiseksi. Analyysiin sisällytettiin alueellisen ja federaation tason suojelualueet sekä niiden lisäksi myös suunnitellut suojelualueet. Analyysi perustui laajojen alueiden arvottamiseen, joten monet pienemmät luonnonsuojelullisesti tärkeät alueet jäivät analyysin ulkopuolelle.</p> <p>Tässä julkaisussa annetaan analyysiin perustuen suosituksia suojelualueverkoston kehittämisen perusteista. Atlas-osiossa esitetyt suojelullisesti arvokkaiden alueiden rajat ovat riittävän yksityiskohtaisia tukemaan uusien suojelualueiden suunnittelua. Nämä tulokset muodostavat tärkeitä työkaluja myös muuhun maankäytön suunnitteluun ja paljon uutta tietoa viranomaisille, luonnonsuojelun asiantuntijoille, opiskelijoille ja opettajille sekä suurelle yleisölle.</p> <p>Suomen ympäristökeskus koordinoi projektia osana Luoteis-Venäjän kestävä metsätalouden ja luonnon monimuotoisuuden suojelun kehittämisohjelmaa, joka rahoitettiin Suomen ulkoasiainministeriön ja ympäristöministeriön lähialueyhteistyön rahoituksella.</p>			
Asiasanat	luonnonsuojelu, suuren suojeluarvon alueet, luonnontilaiset metsät, luonnontilaiset suot, satelliittikuvatulkinta, kartoitus, Luoteis-Venäjä			
Rahoittaja/ toimeksiantaja	Ympäristöministeriö ja ulkoasiainministeriö			
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