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STAT

TRANSLATIONS OF GREAT SOVIET ATLAS MAP LEGENDS

Bol'shoy Sovetskiy Atlas Mira

18 May 1950

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84-85

Political-Administrative
Map of USSR

List of Names of Political-Administrative Subdivisions Not Printed on Map

- | | |
|------------------------------|---|
| 1. Abkhaz ASSR | 18. Kiev Oblast |
| 2. Adshar ASSR | 19. Nikolayev Oblast |
| 3. Kabardin-Balkar ASSR | 20. Odessa Oblast |
| 4. Mari ASSR | 21. Poltava Oblast |
| 5. Moldavian ASSR | 22. Tula Oblast |
| 6. Mordov ASSR | 23. Khar'kov Oblast |
| 7. Nakhichevan ASSR | 24. Chernigov Oblast |
| 8. Volga-German ASSR | 25. Adygey Autonomous Oblast |
| 9. North Osetian ASSR | 26. Karachay Autonomous Oblast |
| 10. Chechen-Ingush ASSR | 27. Nagorno-Karabakh Autonomous Oblast |
| 11. Chuvash ASSR | 28. Cherkess Autonomous Oblast |
| 12. Vinnitsa Oblast | 29. South Osetian ASSR |
| 13. Dnepropetrovsk Oblast | 30. Aginsk Buryat-Mongol National Okrug |
| 14. Donets Oblast | 31. Karelian National Okrug |
| 15. Zhitomir Oblast | 32. Komi-Permyak National Okrug |
| 16. Ivanovo Oblast | 33. Ust'-Ordyn Buryat-Mongol National Okrug |
| 17. Kamenets-Podol'sk Oblast | |

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Conventional Signs

Capitals and Centers

- ★ Moscow
- ★ Kiev

Ufa

Tula

Blagoveshchensk

Birobidzhan

Saiegard

Capitals of Foreign Countries

Riga

Boundaries

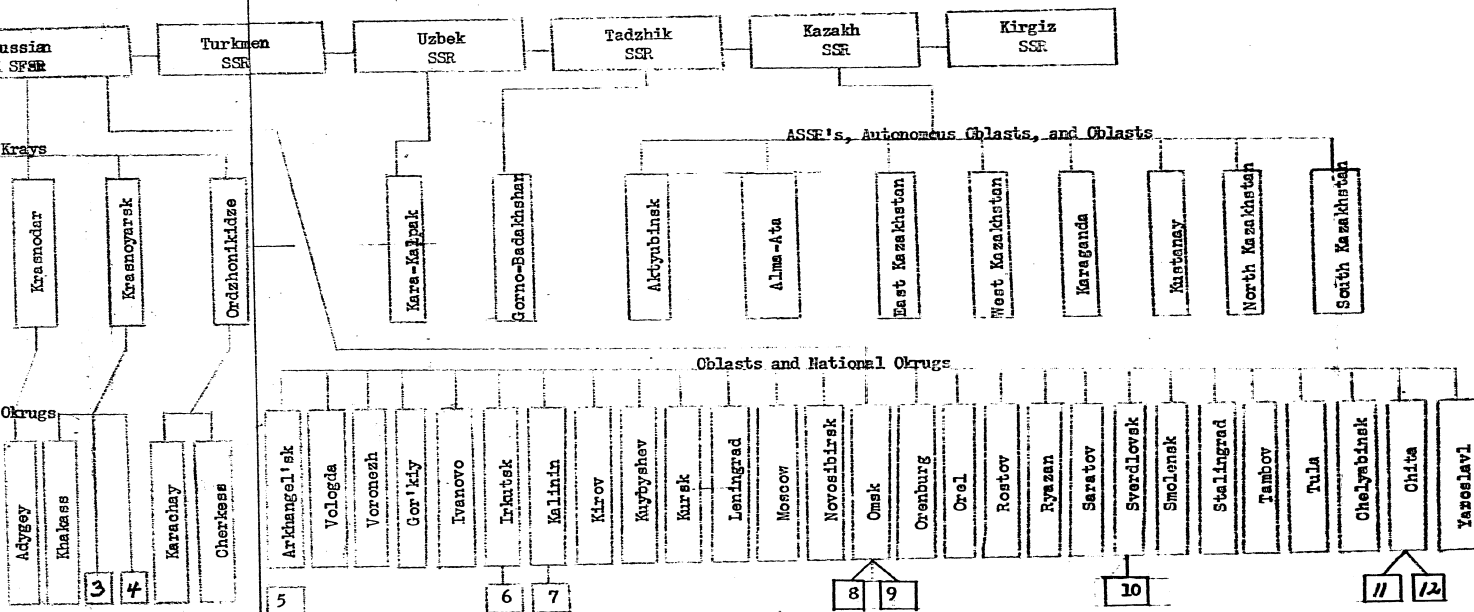
- Of the USSR
- - - - -Of Union Republics
- + + + + Limits of island possessions of the USSR
in the Arctic
- - - - -Of ASSR's
- Of krais and oblasts
- Of oblasts of Far Eastern Kray
- Autonomous oblasts
- Of national okrugs
- - - - -Of foreign countries

Populated Points

- ⊙ Cities and other populated points having more than 1 million inhabitants
- ⊙ From 100,000 to 1 million
- ⊙ From 10,000 to 100,000
- ⊙ Less than 10,000
- ⊙ Polar stations
- ⊙ Ports
- Railroads in operation
- Railroads under construction
- Auto roads and ^{roads}highways
- Caravan routes and trails
- Sea ways
- Canals

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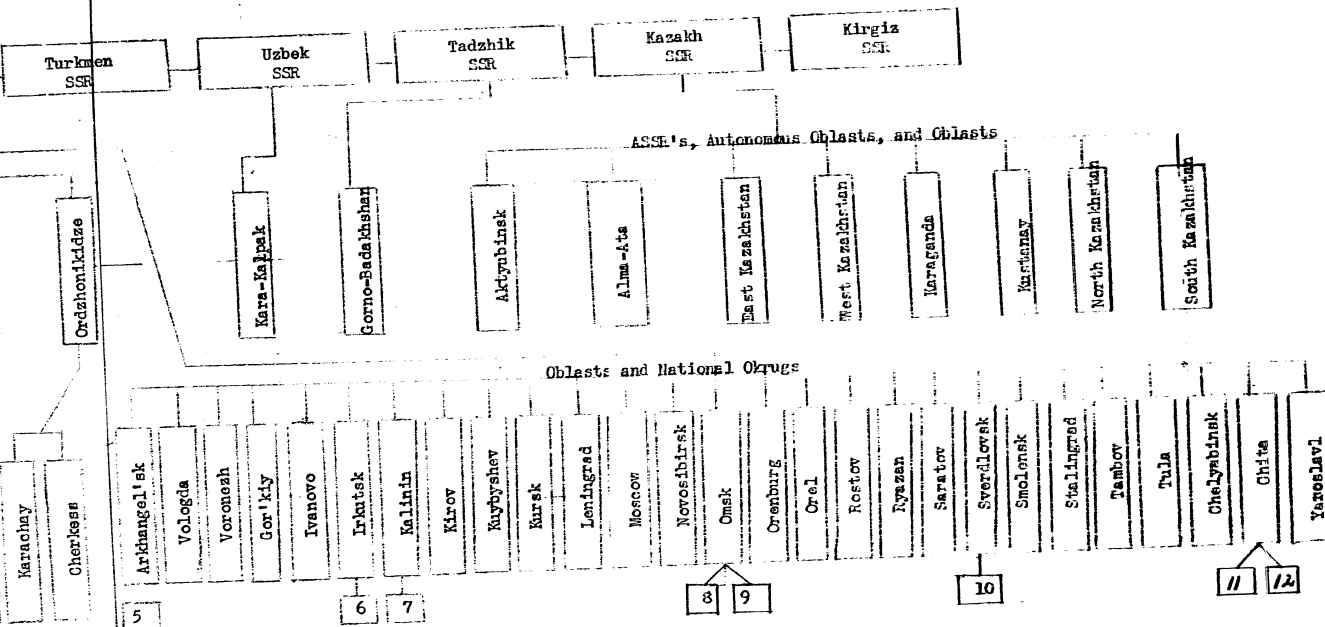
ION OF SOVIET SOCIALIST REPUBLICS



ASSR's are shown in red roman type, autonomous oblasts in red italics, krays and oblasts in black type, and national okrugs by red numbers.

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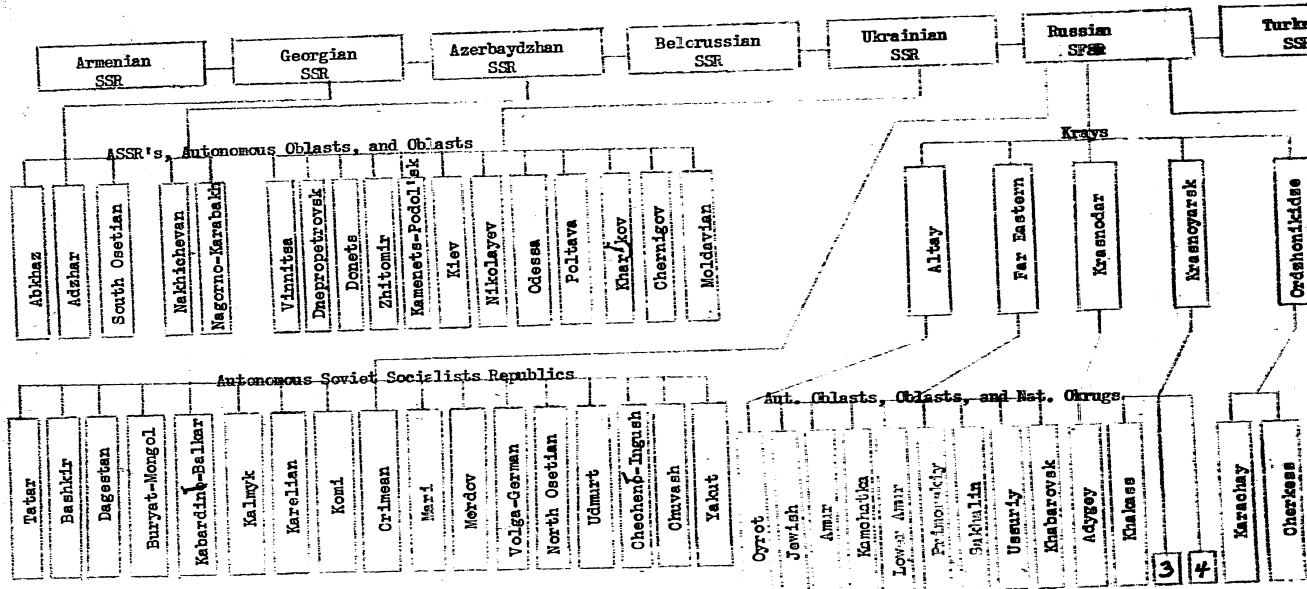
SOVIET SOCIALIST REPUBLICS



ASSR's are shown in red roman type, autonomous oblasts in red italics, krays and oblasts in black type, and national okrugs by red numbers.

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UNION OF SOVIET



National Okrugs

- | | | | |
|-----------|-----------------------------|------------------|--------------------------|
| 1. Koryak | 4. Evenkiy | 7. Karelian | 10. Komi-Permyak |
| 2. Chukot | 5. Nenets | 8. Ostyako-Vogul | 11. Vitimo-Olekminsk |
| 3. Taymyr | 6. Ust'-Ordyn Buryat-Mongol | 9. Yamalo-Nenets | 12. Aginsk Buryat-Mongol |

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Geological Map of USSR

Cenozoic Group

Quaternary System

- Q^b Quaternary continental deposits
- Q^m Quaternary marine deposits

Tertiary System

- T₁ Tertiary deposits, not separated into series
- N Upper series (Neogene)
- P_g Lower series (Paleogene)
- E₃ Cenozoic effusive rocks

Mesozoic Group




- M₃ Mesozoic, not separated into systems
- C_r Cretaceous system
- J Jurassic system
- T Triassic system
- E₂ Mesozoic effusive rocks

Paleozoic Group

- P₃ Paleozoic, not separated into systems
- P Permian system
- C Carboniferous system
- D Devonian system
- S Silurian system
- C_m Cambrian system
- E₁ Paleozoic effusive rocks *in Karelia* and *Pre-Cambrian* effusive rocks on Kola Peninsula

- A Pre-Cambrian Group

Intrusive Rocks of All Groups

- γ Acid and alkali rocks
- δ Basic intrusive rocks
- *Unstudied regions not yet investigated*
-  Limit of maximum early glaciation
-  Limits of extensive development of traprock
-  Glaciers

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Geo 96097
Geological Map of European USSR

Conventional Signs

Cenozoic Group

Quaternary System

- Q^t Quaternary continental deposits, not ~~divided~~ ^{separated} into series
- Q^m Quaternary marine deposits (be- ^{maximum sea} and Caspian transgressions)
- Limit of maximum early glaciation
- Glaciers

Tertiary System

- Tr^t Tertiary continental deposits, not separated into series
- N^m Upper series (Neogene), marine deposits
- N^t Upper series (Neogene), continental deposits
- P^c Lower series (Paleogene)

Mesozoic Group

- Mz Mesozoic, not separated into systems

Cretaceous System

- Cr Cretaceous deposits, not ~~divided~~ ^{separated} into series (in mountainous regions)
- Cr₂ Upper series
- Cr₁ Lower series

Jurassic System

- J Jurassic deposits, not ~~divided~~ ^{separated} into series (in mountainous regions)
- J₂ Upper series
- J₂ J₁ Middle (J₂ and lower (J₁) series
- T Triassic System

Paleozoic Group

- Pz Paleozoic, not separated into systems

Permian System

- P Permian deposits, not ~~divided~~ ^{separated} into series (in mountainous regions)
- P₂^t Upper series, continental deposits
- P₂^m Upper series (Zechstein)
- P₂^t, P₁^t Permian (partly synchronous Zechstein) deposits
- P₁^m Lower series, marine deposits
- P₁^t Lower series, continental deposits

Carboniferous System

- C Carboniferous deposits, not ~~divided~~ ^{separated} into series (in mountainous regions)
- C₂+C₁ Upper ^(C₂) and middle (C₁) series
- C₁ Lower series

Devonian System

- D Devonian deposits, not separated into series (in mountainous regions)
- D₂ Upper series
- D₂+D₁ Middle (D₂) and lower (D₁) series

Silurian System

- S Silurian deposits, not separated into series (in mountainous regions)
- S₂ Upper series
- S₁ Lower series
- S+Cm Silurian and Cambrian deposits, not ~~divided~~ ^{separated}
- Cm Cambrian System

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Pre-Cambrian Group

- A** Pre-Cambrian formations, not separated
- A₂** Proterozoic
- A₁** Archean

Intrusive Rocks of All Groups

- γ** Acid intrusive rocks
- δ** Basic and ultrabasic intrusive rocks
- α** Alkali rocks

Effusive rocks

- τ** Acid effusive rocks
- β** Basic effusive rocks
- Acid effusive rocks of the Urals
- Basic effusive rocks of the Urals
- Tufaceous deposits

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Soil Map of USSR

Conventional Signs

- | | |
|-----|---|
| 1 | Tundra soils |
| 2 | Mountain tundra soils: rocky and slightly developed soils in association with mountain forest soils |
| 3 | Podsollic soils: clay and clayey loam (containing sand and 25-50 percent clay) soils |
| 4 | Podsollic soils: sandy loam (containing 60-80 percent sand) and sandy soils |
| 5 | Podsollic soils: rubble-rocky soils |
| 6 | Podsollic soils of mountain regions, for the most part on the eluvium of massive rocks |
| a-b | Impregnations of peat-bog soils in other soils: (a) In the form of large masses; (b) In the form of small patches |
| 7 | Red and yellow soils of moist subtropical regions |
| 8 | Mountain meadow soils |
| 9 | Mountain forest soils (brown soils and podsollic soils) of the Crimea and Caucasus |
| 10 | Gray podsolized soils of the forest steppe zone |
| 11 | Leached and degraded chernozems |
| 12 | Typical chernozems |
| 13 | Secondary carbonated chernozems |
| 14 | Chernozem sands and sandy loams |
| 15 | Chestnut brown soils of the dry steppes: clay and clayey loam soils |
| 16 | Chestnut brown soils of the dry steppes: sandy loam and sandy soils |
| 17 | Chestnut brown soils of the dry steppes: rocky and gravelly soils |
| 18 | Brown and gray soils of the desert steppes: clay and clayey loam soils |
| 19 | Brown and gray soils of the desert steppes: sandy loam and sandy soils |

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20. Brown and gray soils of the desert steppes: rocky and gravelly soils
21. Mountain steppe soils (chernozems and chestnut brown and gray soils)
22. Soils of the high mountain deserts in the Pamirs
23. "Solonchak" (saline) soils: (a) Continuous areas; (b) Patches in association with other soils
24. "Solonets" (dark, strongly alkaline) soils in association with "solonchak" soils
- "Solonets" soils in association with chernozems and chestnut brown and brown soils
- "Solonets" soils in small patches
- "Solod" soils (soils depleted of humus and leached of mineral content) in small patches among chernozems
- "Solodized solonets" soils of the "Alasy" in Yakut ASSR Alasy: areas subject to poor drainage when flooded ?
25. Meadow "solonchak" and "solodized" soils of that area of the Barabinskaya Steppe which is under water at times
26. Alluvial meadow soils of flood plains, deltas, and flatlands at the foot of mountains
27. Shifting sands and those partly covered with vegetation
28. Glaciers

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Soil Map of European USSR







Conventional Signs

1	Tundra soils
2	Mountain tundra soils; rocky and slightly developed soils in association with mountain forest soils
3	Bog (predominantly peaty) soils in large massifs
4	Bog soils in association with podsollic soils
5	Podsollic soils
6	Stagnated podsollic soils (peaty and podsollic gley soils)
7	Rendzinas (soils rich in humus but poorly leached, which have been formed immediately over limestones or marls): (a) Typical; (b) Leached
8	Subtropical podsollic soils
9	Red and yellow soils of moist subtropical regions
10	Mountain meadow soils
11	Brown forest soils of mountainous regions
12	Gray podsolized soils of the forest steppe zone
13	Dark gray podsolized soils of the forest steppe zone
14	Leached and podsolized (degraded) chernozems
15	Unpodsolized leached chernozems
16	Typical fertile chernozems (of great and medium thickness)
17	Typical chernozems with medium humus content (ordinary chernozems)
18	Typical chernozems with low humus content (southern chernozems)
19	Valley chernozems
20	Secondary carbonated chernozems
21	Slightly "solonets-ized" dark chestnut brown soils
22	Slightly "solonets-ized" light chestnut brown soils
23	Brown "Pre-Caspian gray" soils of the desert steppes
24	Slightly "solonets-ized" gypsiferous gray soils
25	Primitive gray soils
26	Typical gray soils (predominantly on loess deposits)
27	"Solonets" soils: (a) Continuous areas; (b) Patches in association with other soils

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- 28 "Solonchak" soils: (a) Continuous areas; (b) Patches in association with other soils
- "Solod" soils in small patches among chernozems
- Takyr (dried out and cracked mud flats): continuous areas and in association with other soils
- 29 "Solodized" meadow soils
- 30 Alluvial meadow soils of flood plains, deltas, and flatlands at the foot of mountains: (a) Continuous areas; (b) Patches in association with other soils in irrigated regions
- 31 Shifting sands and those partly covered with vegetation
- Glaciers

Supplementary Signs

-  Soils on massive uncarbonated rocks, partly rubbly
-  Soils on massive carbonated rocks, partly rubbly
-  "Solonets" soils
-  "Solonchak" soils
-  "Solodized" soils
-  Sandy loam and sandy soils

Note: Clay and clayey loam soils are not indicated by special hatching.

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Vegetation Map of USSR
(Vegetation Zones, Subzones, and Districts)Conventional Signs
Generalized
(Restored Vegetative Cover)

Zonal Vegetation of the Plains

1 Perpetual Snow Zone

Tundra Zone

- 2 Arctic tundra
- 3 Lichen-moss tundra
- 4 Scrub and shrub tundra
- 5 Forest tundra

Coniferous Forest Zone

- a-b-c 6 *Lightly forested bog* coniferous forest subzone *of*
 - a) Spruce forests with European species predominating
 - b) Spruce forests with Siberian species predominating
 - c) Larch forests

- a-b-c 7 Northern coniferous forest subzone
 - a) Spruce forests with European species predominating
 - b) Spruce forests with Siberian species predominating
 - c) Larch forests

- a-b-c 8 Southern coniferous forest subzone
 - a) Spruce forests mixed with linden with European species predominating
 - b) Spruce-fir forests with Siberian species predominating
 - c) Larch forests

- Mixed and Deciduous Forest Zone
- a-b 9 Coniferous-broadleaved forest subzone
 - a) With European species predominating
 - b) With Siberian species predominating

- a-b 10 Broadleaved forest subzone
 - a) With oak predominating
 - b) Same, but with admixture of hornbeam

- a 11 Aspen-birch forests of West Siberia
 - a) Swamp forests

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Steppe Zone

- 12 Meadow steppes (forest steppes)
- 13 Feather grass ^(Siala) ~~miscellaneous~~ grass steppes
- 14 Feather grass-fescue ^(Festuca sulcata) steppes
- 15 Feather grass-fescue-wormwood ^(Artemisia) steppes

Semidesert Zone

- 16 Wormwood-grass semideserts
- 17 Wormwood-saltwort ^(Salvia) ~~grass~~ semideserts

Desert Zone

- 18 Wormwood-saltwort deserts
- 19 Saltwort-wormwood deserts
- 20 Psammophytic scrub deserts (sandy deserts)

Intrazonal Vegetation

- 21 Pine forests
- 22 Steppe and "solonchak" meadows in association with bogs and forests
- 23 Halophyte-meadow-bog ^{similar} vegetation of the estuaries, flood areas, and other areas
- 24 Halophytic vegetation of "solonchak" soils and takyrs (clay tracts and sand)
- 25 Flooded meadow, scrub, and forest vegetation
- 26 Vegetation of the low banks and islands in river mouths
- 27 "Tugai" (Poplar, tamarisk, etc. forests which grow over land where floods occur)
- 28 Bog vegetation of the Far East

Mountain Vegetation








- 29 Mountain top vegetation and subalpine scrub (in Siberia) and mountain meadows (in the Urals)
- 30 Alpine and subalpine meadows and grass-plots
- 31 High mountain semideserts and deserts
- 32 Mountain meadows and meadow steppes

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- 33 Mountain xerophytes and mountain steppes
- 34 Mountain couch grass-miscellaneous grass steppes
(Agropyron repens)
- 35 Birch-deciduous mountain forest steppe
- 36 Mountain park-like forests
- 37 Mountain pine-deciduous forests with steppe vegetation in the Urals and pine forests in the Caucasus
- 38 Spruce and deciduous forests of the Tyan'-Shan' in association with subalpine and steppe vegetation
- 39 Mountain deciduous forests
- 40 Mountain cedar-deciduous forests
- 41 Mountain cedar-broadleaved forests
- 42 Mountain spruce and fir forests
- 43 Mountain and foothill beech forests
(Fagaceae)
- 44 Mountain forests with (a) oak, or (b) linden predominating
- 45 Mountain deciduous and saddle tree forests
- 46 Forests of the Kolkhis ^{idiskiy (Colchis lowland)} region with heavy rainfall and high average annual temperature type in the western Caucasus and ironwood forests in Talysh
- 47 Vegetation of the Mediterranean Sea type (pine, juniper, and evergreen scrub)
(Juniperus communis)
- 48 Glaciers

Supplementary Signs

- | | |
|--|--|
| <ul style="list-style-type: none"> ⚡⚡ Larch ↑↑ Spruce ↑↑ Fir ⌋⌋ Scrub cedar ↑↑ Pine ↑↑ Birch ⊖⊖ Oak ↑↑ Linden ⊖⊖ Hornbeam ↑↑ Aspen | <ul style="list-style-type: none">  Lithophytes (plants of rocky areas in the steppe and desert zones)  Psammophytes (plants of the sandy steppes, semisteppes, and deserts)  Halophytes  Ephemera and ephemera  White saksaul  Black saksaul  Reeds and rushes |
|--|--|

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









Vegetation Map of European USSR
(Vegetation Zones, Subzones, and Districts)

Conventional Signs

(Restored Vegetative Cover)

Generalized

Zonal Vegetation of the Plains

- 1  1 Perpetual Snow Zone
- Tundra Zone**
- 2  Arctic Tundra
- 3  Lichen-moss tundra
- 4  Scrub and shrub tundra
- 5  Forest tundra
- Coniferous Forest Zone**
- 6  Lightly forested bog coniferous subzone
a) With European species predominating
b) With Siberian species predominating
- 7  Northern coniferous forest subzone with sphagnum bogs
a) With European species predominating
b) With Siberian species predominating
- 8  Southern coniferous forest subzone
a) Spruce forests with linden
b) Spruce-fir forests with linden
- Mixed and Deciduous Forest Zone**
- 9  Coniferous-broadleaved forest subzone
a) With European species predominating
b) With Siberian species predominating
- 10  Broadleaved forest subzone
a) With oak predominating
b) Same, but with admixture of hornbeam

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Steppe Zone

- 11 Meadow steppes (forest steppe)
- 12 Feather grass-miscellaneous grass steppes; northern variant
- 13 Feather grass-miscellaneous grass steppes; southern variant
- 14 Feather grass-fescue steppes; northern variant
- 15 Feather grass-fescue steppes; southern variant
- 16 Feather grass-fescue-wormwood steppes
- 17 ~~(Fescue)~~ ^{Stipa capillata} psammophyte-miscellaneous grass steppes (on sandy loam soils)
- 18 Psammophytic feather grass-fescue-miscellaneous grass steppes (on sands)

Semidesert Zone

- 19 Wormwood-grass semideserts
- 20 Wormwood-saltwort-grass semidesert
- 21 Psammophyte-feather grass steppes and white wormwood-couch grass semideserts (on sandy loam soils)
- 22 Psammophyte-feather grass-couch grass desert steppes (on sands)

Desert Zone

- 23 Psammophytic white wormwood deserts (on sandy loam soils and on sands)

Intrasal Vegetation
(~~Restricted~~ Vegetative Cover)





- 24 ^{generalized} Pine forests: (a) Without oak and spruce; (b) With oak; (c) With spruce
- 25 Flooded meadow, scrub, and forest vegetation
- 26 Vegetation of the low banks and islands in river mouths
- 27 Halophyte-meadow-scrub vegetation of the estuaries, flood areas, and ^{similar} ~~coastal~~ areas in association with semidesert or steppe vegetation
- 28 Halophytic vegetation of "solonchak" soils

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Mountain Vegetation
(~~Sorted~~ Vegetative Cover)
Generalizes

- 29 Mountain top vegetation and subalpine scrub (in Siberia) and mountain meadows (in the Urals)
- 30 Alpine and subalpine meadows and grass-plots
- 31 Mountain meadows and meadow steppes
- 32 Mountain xerophytes and mountain steppes
- 33 Mountain pine-deciduous forests with steppe vegetation in the Urals and pine forests in the Caucasus
- 34 Mountain spruce and fir forests
- 35 Mountain coniferous-broadleaved forests
- 36 Mountain and foothill beech forests
- 37 *a. b.* Mountain forests with (a) oak, or (b) linden predominating
- 38 Forests of the *Kolkhis* type in the western Transcaucasus and ironwood forests in Talysh
- 39 Vegetation of the Mediterranean Sea type (pine, juniper, and evergreen scrub)
- Glaciers

Supplementary Signs

- | | | | |
|------------------------------|--------------|--|---|
| <input type="checkbox"/> ♣♣ | Larch | <input type="checkbox"/> ⊕ ⊕ | Clumps of oak forest (in places, they are dense) <i>dense in spots</i> |
| <input type="checkbox"/> ↑↑ | Spruce | <input type="checkbox"/>  | Meadow-bog vegetation of the western steppes (in places, it is denser) <i>dense</i> |
| <input type="checkbox"/> ♣♣ | Fir | <input type="checkbox"/>  | Lithophytes in the steppe zone (vegetation of the rocky steppes) |
| <input type="checkbox"/> ↑↑ | Pine | <input type="checkbox"/>  | Xero-halophytic vegetation on "solonchaks" soils (in places, it is denser) <i>dense</i> |
| <input type="checkbox"/> ♣♣ | Birch | <input type="checkbox"/> ♣♣ | Halophytic vegetation on "solonchak" soils (in places, it is denser) <i>dense in spots</i> |
| <input type="checkbox"/> ⊕ ⊕ | Oak | <input type="checkbox"/>  | Bogs |
| <input type="checkbox"/> ↑↑ | Linden | <input type="checkbox"/> ? ? | Reeds and rushes |
| <input type="checkbox"/> 0 0 | Hornbeam | <input type="checkbox"/> 0 0 | Meadow-bog vegetation of the lowlands |
| <input type="checkbox"/> ♣♣ | Beech | | |
| <input type="checkbox"/> ♣♣ | Aspen groves | | |

17 -
RESTRICTED