

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Sheet No. 4359 66

Checked by K. Usada

Date: Dec 28 / 04

OK

Item	Code	O	M	Item	Code	O	M	Item	Code	O	M	Item	Code	O	M
Inhabited Areas															
Symbolized building	210101			Transmission lines	222201			Revolutions of shorelines	410701			Moraines	511401		
Buildings expressed at true scale	210201			Power transmission lines (hidden line) with wooden poles and reinforced poles	222202			Arrows showing direction of river streams	410801			Dolomite flows	511501		
Symbolized ruin	210301			Power transmission lines (hidden line) with reinforced poles	222301			Velocity value of flow	410802			Precipices and rock walls/upper line	511701		
Ruins expressed at true scale	210401			Power transmission lines (hidden line) with reinforced concrete poles	222302			Velocity value of flow (hidden line)	410803			Precipices and rock walls/lower line	511702		
Yurt, elum	210501			Power transmission lines (hidden line) with reinforced concrete poles	222401			Characteristics of rivers and canals (true scale)	410901			Precipices and rock walls/parts	511799		
Fire proofing building	210601			Power transmission lines (hidden line)	222402			Characteristics of rivers and canals (minimum)	410902			Boundaries of far fields	511801		
Non-fire proofing building	210701			Stony, brick walls and rectate fences	222501			Water gauges and tide gauges	411001			Turf-banked terraces	511999		
Sparsely built-up areas	210901			Light fences for industrial, agricultural and social-cultural objects	222601			Canals and ditches (less than 3m wide)	411101			Ice scarps /upper line	512001		
Newly constructing areas	211001			Boundary of other areas except excavations and fills	222602			Canals and ditches (from 3m to 10m wide)	411102			Ice scarps /lower line	512002		
Newly constructing areas	211101			Railways	310101			Canals and ditches (more than 10m wide)	411103			Ice scarps /parts	512099		
Destroyed half-destroyed blocks	211201			Railway stations	310201			Irrigation canals (ditches)	411201			Ice scarps /minimum	512101		
Plants, factories and mills without chimney	220101			Block, posts and clear posts	310301			Water supplying facilities	411301			Classic sediments of fragile strata	512201		
Plants, factories and mills without chimney expressed at true scale	220102			Loading and unloading sites	310401			Water supplying facilities (single line)	411302			Classic sediments of hard strata (polygon)	512301		
Plants, factories and mills with chimney	220103			Blind alley of branch lines	310501			Dried up ditches (double line)	411401			Classic sediments of hard strata (line)	512302		
Area of plants, factories and mills	220104			Branch lines	310602			Forde expressed to true scale	411402			Classic sediments of hard strata (quasi)	512399		
Chimneys	220105			Culvert	310601			Bridges crossing small obstacles and rivers (less than 3m in length)	411501			Land slides/upper line	512401		
Pit mouths of shafts and drifts in operation	220201			Embankments	310701			Bridges crossing small obstacles and culverts (minimum)	411601			Land slides/lower line	512402		
Pit mouths of shafts and drifts out of operation	220202			Cuttings	310801			Bridges and elevated bridges (minimum)	411602			Canyons and gullies/vertical line	512501		
Open-east mining areas	220301			Automotive roads with improved pavement	320101			Quay	411701			Canyons and gullies/horizontal line	512502		
Open-east mining areas	220302			Automotive roads with pavement	320201			Impassable dam	411801			Escarpments	512601		
Fuel and gas tanks	220401			Automotive roads without pavement	320301			Embankments (no scale)	411802			Boundaries of vegetation and soils	610101		
Area of fuel and gas tanks	220402			Wide streets in the built-up areas	320302			Embankments (scale)	411901			Forests	610201		
Oil supply towers and gas stations	220501			Narrow streets in the built-up areas	320303			Revers, canals and ditches with embankments on one side and both	411902			Dominant species trees in the forest	610301		
Power stations/hydroelectric, thermal	220601			Roadside blank space	320304			Water pipes on the ground	412001			Dominant species trees in the forest	610302		
Power transmission stations	220701			Earthen country road	320401			Wells	412101			Dominant species trees in the forest /mixed	610303		
Power transmission stations	220702			Field and forestry roads	320501			Artesian wells and artesian deep-bored wells	412201			Narrow forest belts and protective plantings	610401		
Area of power transmission stations	220703			Foot paths	320601			Reservoirs and other water-storing facilities	412301			Isolated trees, non landmark trees	610501		
Radio stations and television centers	220801			Foot bridges	320701			Fontainheads	412401			Forest stamp, sarsenore and saplings/less than 4m height	610601		
Televisions, radio and radio relay masts	220901			Roads under-construction	320801			Fontainheads	412501			Thin woods	610701		
Airports on land water	221001			Embankments and cuttings	320901			Equipped fountainheads	412601			Shrubs/point	610801		
Main tower-typed architectures	221101			Parking areas	321101			Moorage without mooring facilities	412701			Shrubs/filled with color	610802		
Simple towers	221201			Parking areas expressed to true scale	321102			Moorage with mooring facilities	412801			Thorny bushes/point	610901		
The greenhouse, hothed	221301			Boundary points between different water lines of sea, rivers, lake and reservoirs	321301			Lighthouses	412901			Thorny bushes/filled with color and symbols	610902		
Area of greenhouse, hothed	221302			Coastal sand banks and shoals	410101			Dried river beds and dried up lake basins/ double lines	510501			Coniferous trees	611001		
Livestock enclosures (minimum size)	221401			Criffs and rocky shores	410201			Dried river beds and dried up lake basins/ filled with pattern	510502			Broad leaf trees	611002		
Livestock enclosures (actual size)	221302			Permanent rivers and streams (less than 5m wide)	410401			Dried river beds and dried up lake basins/ filled with pattern	510503			Narrow shrub belts and bridges	611101		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501			Permanent rivers and streams (from 5 to 10m wide)	410402			Persons, their clothes and practicable period	510701			Creeping shrubs/point	611201		
Meteorological stations	221601			Permanent rivers and streams (more than 10m wide)	410403			Depressions/minimum	510801			Creeping shrubs/filled with color and symbols	611202		
Churches	221701			Center lines of rivers	410404			Depressions/actual scale	510802			Fruits and citrus gardens	611301		
Mosques	221801			Hidden lines on rivers putting	410405			Barrows and hills/minimum	510901			Vineyards	611401		
Mazary, subgarn, obo	221901			Dried up rivers and streams (single line)	410501			Barrows and hills/actual scale	510902			Fruits and citrus gardens with vineyards	611402		
Remarkable monuments and statues	222001			Dried up rivers and streams (double line)	410502			Estuaries of natural and artificial caves	511001			Berry gardens	611501		
Cemeteries (minimum size)	222101			Waterfalls expressed to true scale	410601			Firm fields and permanent snow patches	511101			Fruits-berry gardens	611502		
Cemeteries (actual size)	222102							Glacier tongues	511201			Herbal plants/polygon	611601		
Gravestone (point)	222103							Glacier crevasses	511301			Herbal plants/polygon	611602		

Edge matching

(4347)
(92)
(4359) - (4360)
(6a) - (6b)
(+ =)

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Sheet No. 4360aa				Checked by K. Usuda				Date: Dec / 23 / 04			
Inhabited Areas				Vegetations and Soils				Boundaries			
Item	Code	O	M	Item	Code	O	M	Item	Code	O	M
Symbolized building	210101			Transmission lines	222201			Moraines	511401		
Buildings expressed at true scale	210201			Transmission lines (hidden line)	222202			Debris flows	511501		
Symbolized ruin	210301			Power transmission lines with wooden poles and telegraph poles	222301			Precipitous and rock walls/upper line	511701		
Ruins expressed at true scale	210401			Power transmission lines (hidden line)	222302			Precipitous and rock walls/lower line	511702		
Yurt, dum	210501			Power transmission lines with metal and reinforced concrete poles	222401			Precipitous and rock walls/parts	511799		
Fire proofing building	210601			Power transmission lines (thick line)	222402			Boundaries of firm fields	511801		
Non-fire proofing building	210701			Power transmission lines (thin line)	222403			Turf-banked terraces	511999		
Sparsely built-up areas	210901			Light fence for industrial, agricultural and other objects	222601			Ice scarps /upper line	512001		
Newly constructing areas	211001			Boundary of different types of vegetation and soils	222602			Ice scarps /lower line	512002		
Destroyed half-destroyed blocks	211201			Railways	310101			Ice scarps /parts	512099		
Plants, factories and mills without chimney	220101			Railway stations	310201			Ice scarps /minimum	512101		
Plant, factories and mills without chimney expressed at true scale	220102			Block posts and clear posts	310301			Chastic sediments of fragile strata	512201		
Plants, factories and mills with chimney	220103			Loading and unloading sites	310401			Chastic sediments of hard strata (polygon)	512301		
Area of plants, factories and mills	220104			Blind alley of branch lines	310501			Chastic sediments of hard strata (line)	512302		
Chimneys	220105			Branch lines	310502			Chastic sediments of hard strata (part)	512399		
Fit mounds of shafts and drifts in operation	220201			Culvert	310601			Land slides/upper line	512401		
Fit mounds of shafts and drifts out of operation	220202			Embankments	310701			Land slides/lower line	512402		
Open-cast mining areas	220301			Cuttings	310801			Canyons and gullies/vertical line	512501		
Open-cast mining areas	220302			Automotive roads with improved pavement	320101			Canyons and gullies/horizontal line	512502		
Fuel and gas tanks	220401			Automotive roads with pavement	320201			Escarpments	512601		
Oil supply towers and gas stations	220501			Automotive roads without pavement	320301			Boundaries of vegetation and soils	610101		
Power station/telegraphic (thermal)	220601			Wide streets in the built-up areas	320302			Forests	610201		
Power transmission stations	220701			Narrow streets in the built-up areas	320303			Dominant species trees in the forest	610301		
Power transmission stations	220702			Roadside blank space	320304			Dominant species trees in the forest /deciduous	610302		
Area of power transmission stations	220703			Earthen country road	320401			Dominant species trees in the forest /coniferous	610303		
Radio stations and television centers	220801			Field and forestry roads	320501			Isolated trees, forest belts and protective plantings	610401		
Television, radio and radio relay masts	220901			Foot paths	320601			Isolated trees, and landmark trees	610501		
Airports on land water	221001			Foot bridges	320701			Forest stumps, nurseries and saplings less than 4m height	610601		
Main tower-typed architectures	221101			Roads under-construction	320801			Thin woods	610701		
Simple towers	221201			Embankments and cuttings	320901			Shrubs/point	610801		
The clubhouse, hotel	221301			Parking areas	321101			Shrubs/filled with color	610802		
Area of clubhouse, hotel	221302			Parking areas expressed to true scale	321102			Thorny bushes/point	610901		
Livestock enclosures (minimum size)	221401			Boundary points between different types	321301			Thorny bushes/filled with color and symbols	610902		
Livestock enclosures (actual size)	221402			Water lines of sea, rivers, lakes and reservoirs	410101			Coniferous trees	611001		
Telegraph radiotelegraph stations and branches, telephone exchanges	221501			Coastal sand banks and shoals	410201			Broad leaf trees	611002		
Telegraph radiotelegraph stations	221502			Criffs and rocky shores	410301			Narrow shrub belts and hedges	611101		
Telegraph radiotelegraph stations	221601			Permanent rivers and streams (less than 5m wide)	410401			Creeching shrubs/point	611201		
Churches	221701			Permanent rivers and streams (from 5 to 30m wide)	410402			Creeching shrubs/filled with color and symbols	611202		
Mosques	221801			Permanent rivers and streams (more than 30m wide)	410403			Fruits and citrus gardens	611301		
Mazary, suburgan, obo	221901			Centerlines of rivers	410404			Vineyards	611401		
Remarkable monuments and statues	222001			Hidden lines on rivers passing through lands	410405			Barrows and hills/minimum	611402		
Cemeteries (minimum size)	222101			Dried up rivers and streams	410501			Barrows and hills/actual scale	611501		
Cemeteries (actual size)	222102			Dried up rivers and streams (double line)	410502			Barrows of natural and artificial caves	611502		
Gravestone (point)	222103			Waterfalls expressed to true scale	410601			Fruits-berry gardens	611601		
				Waterfalls/minimum	410602			Herbal plants/polygon	611602		

* O → the number of omissions M → the number of misdescriptions

Масштаб карты 1:100,000

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/100,000 SCALE MANUSCRIPT

Sheet No. 4345		Checked by K. Usuta		Date: Dec 28 04			
Inhabited Areas		Industry, Agriculture and Socio-cultural Field Objects		Vegetations and Soils			
Item	Code	O	M	Item	Code	O	M
Symbolized building	21001			Elevations of shorelines	410701		
Buildings expressed at true scale	210201			Arrows showing direction of river streams	410801		
Symbolized ruin	210301			Velocity value of flow/text	410802		
Ruins expressed at true scale	210401			Velocity value of flow	410803		
Yurt, chum	210501			Characteristics of rivers and canals	410901		
Fire proofing building	210601			Characteristics of river and canals (minimum)	410902		
Non-fire proofing building	210701			Water gauges and tide gauges	411001		
Sparsely built-up areas	210901			Canals and ditches (less than 3m wide)	411101		
Newly constructing areas	211001			Canals and ditches (from 3m to 10m wide)	411102		
Newly constructing areas	211101			Canals and ditches (more than 10m wide)	411103		
Destroyed half-destroyed blocks	211201			Irrigation canals (ditches)	411201		
Plants, factories and mills without chimney	220101			Water supplying facilities	411301		
Plants, factories and mills without chimney expressed at true scale	220102			Water supplying facilities	411302		
Plants, factories and mills with chimney	220103			Dried up ditches (single line)	411401		
Area of plants, factories and mills	220104			Dried up ditches (double lines)	411402		
Chimneys	220105			Fords expressed to true scale	411501		
Pit mounds of shafts and drifts in operation	220201			Bridges crossing small obstacles and culverts (less than 3m in height)	411601		
Pit mounds of shafts and drifts out of operation	220202			Bridges crossing small obstacles and culverts (minimum)	411602		
Open-cast mining areas	220301			Bridges and elevated bridges (minimum)	411701		
Open-cast mining areas	220302			Quay	411801		
Open-cast mining areas	220303			Impassable dam	411802		
Fuel and gas tanks	220401			Enbankments (to scale)	411901		
Area of fuel and gas tanks	220402			Enbankments (minimum)	411902		
Oil supply towers and gas stations	220501			Rivers, canals and ditches with embankments on one side and both	412001		
Power station(hydroelectric, thermal)	220601			Water pipes on the ground	412101		
Power transmission stations	220701			Wells	412201		
Power transmission stations	220702			Artesian wells and artesian deep-bored wells	412301		
Area of power transmission stations	220703			Reservoirs and other water-storage facilities	412401		
Radio stations and television centers	220801			Fountainheads	412501		
Television, radio and radio relay masts	220901			Equipped fountainheads	412601		
Airports on land water	221001			Moorage without mooring facilities	412701		
Main tower-typed architectures	221101			Moorage with mooring facilities	412801		
Simple towers	221201			Lighthouses	412901		
The lighthouse, lighthouse	221301			Dried river beds and dried up lake basins/ double lines	510801		
Area of lighthouses, lighthouse	221302			Dried river beds and dried up lake basins/ filled basin	510802		
Livestock enclosures (minimum size)	221401			Dried river beds and dried up lake basins/ single line	510803		
Livestock enclosures (actual size)	221302			Passes, their altitudes and practicable period	510701		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501			Depressions/minimum	510801		
Meteorological stations	221601			Depressions/actual scale (more than 30m wide)	510802		
Churches	221701			Barrows and hills/minimum	510901		
Mosques	221801			Barrows and hills/actual scale	510902		
Mazary, suburgan, dho	221901			Entrances of natural and artificial caves	511001		
Remarkable monuments and statues	222001			Peri fields and permanent snow patches	511101		
Ceneteries (minimum size)	221201			Glacier (tongues)	511201		
Ceneteries (actual size)	222102			Glacier crevasses	511301		
Gravestones (point)	222103			Glacier crevasses	511301		
Industry, Agriculture and Socio-cultural Field Objects		Hydrography and its facilities		Vegetations and Soils		Boundaries	
Item	Code	O	M	Item	Code	O	M
Transmission lines	222201			Elevations of shorelines	410701		
Power transmission lines (hidden line)	222202			Arrows showing direction of river streams	410801		
Power transmission lines with wooden poles and reinforced poles	222301			Velocity value of flow/text	410802		
Power transmission lines (hidden line)	222302			Velocity value of flow	410803		
Power transmission lines with metal poles and reinforced concrete poles	222401			Characteristics of rivers and canals	410901		
Power transmission lines (hidden line)	222402			Characteristics of river and canals (minimum)	410902		
Shorty, bricky walls and electric fences	222501			Water gauges and tide gauges	411001		
Light fences for industrial, agricultural and social-cultural object objects	222601			Canals and ditches (less than 3m wide)	411101		
Boundary of other areas except vegetation and soils	222602			Canals and ditches (from 3m to 10m wide)	411102		
Railways	310101			Canals and ditches (more than 10m wide)	411103		
Railway stations	310201			Irrigation canals (ditches)	411201		
Block posts and clear posts	310301			Water supplying facilities	411301		
Loading and unloading sites	310401			Water supplying facilities	411302		
Blind alley of branch lines	310501			Dried up ditches (single line)	411401		
Branch lines	310502			Dried up ditches (double lines)	411402		
Culvert	310601			Fords expressed to true scale	411501		
Enbankments	310701			Bridges crossing small obstacles and culverts (less than 3m in height)	411601		
Cuttings	310801			Bridges crossing small obstacles and culverts (minimum)	411602		
Automotive roads with improved pavement	320101			Bridges and elevated bridges (minimum)	411701		
Automotive roads with pavement	320201			Quay	411801		
Automotive roads without pavement	320301			Impassable dam	411802		
Wide streets in the built-up areas	320302			Enbankments (to scale)	411901		
Narrow streets in the built-up areas	320303			Enbankments (minimum)	411902		
Roadside blank space	320304			Rivers, canals and ditches with embankments on one side and both	412001		
Earthen country road	320401			Water pipes on the ground	412101		
Field and forestry roads	320501			Wells	412201		
Foot paths	320601			Artesian wells and artesian deep-bored wells	412301		
Frost bridges	320701			Reservoirs and other water-storage facilities	412401		
Roads under-construction	320801			Fountainheads	412501		
Enbankments and cuttings	320901			Equipped fountainheads	412601		
Parking areas	321101			Moorage without mooring facilities	412701		
Parking areas expressed to true scale	321102			Moorage with mooring facilities	412801		
Boundary points between different polygons	321301			Lighthouses	412901		
Water lines of sea, rivers, lakes and reservoirs	410101			Dried river beds and dried up lake basins/ double lines	510801		
Coastal sand banks and shoals	410201			Dried river beds and dried up lake basins/ filled basin	510802		
Cruffy and rocky shores	410301			Dried river beds and dried up lake basins/ single line	510803		
Permanent river and streams (flowing)	410401			Passes, their altitudes and practicable period	510701		
Permanent rivers and streams (from 5 to 30m wide)	410402			Depressions/minimum	510801		
Permanent river and streams (more than 30m wide)	410403			Depressions/actual scale	510802		
Centerlines of rivers	410404			Barrows and hills/minimum	510901		
Hidden lines on rivers passing through lands	410405			Barrows and hills/actual scale	510902		
Dried up rivers and streams (double lines)	410501			Entrances of natural and artificial caves	511001		
Dried up rivers and streams (double lines)	410502			Peri fields and permanent snow patches	511101		
Waterfalls expressed to true scale	410601			Glacier (tongues)	511201		
Waterfalls/minimum	410602			Glacier crevasses	511301		
Industry, Agriculture and Socio-cultural Field Objects		Hydrography and its facilities		Vegetations and Soils		Boundaries	
Item	Code	O	M	Item	Code	O	M
Transmission lines	222201			Elevations of shorelines	410701		
Power transmission lines (hidden line)	222202			Arrows showing direction of river streams	410801		
Power transmission lines with wooden poles and reinforced poles	222301			Velocity value of flow/text	410802		
Power transmission lines (hidden line)	222302			Velocity value of flow	410803		
Power transmission lines with metal poles and reinforced concrete poles	222401			Characteristics of rivers and canals	410901		
Power transmission lines (hidden line)	222402			Characteristics of river and canals (minimum)	410902		
Shorty, bricky walls and electric fences	222501			Water gauges and tide gauges	411001		
Light fences for industrial, agricultural and social-cultural object objects	222601			Canals and ditches (less than 3m wide)	411101		
Boundary of other areas except vegetation and soils	222602			Canals and ditches (from 3m to 10m wide)	411102		
Railways	310101			Canals and ditches (more than 10m wide)	411103		
Railway stations	310201			Irrigation canals (ditches)	411201		
Block posts and clear posts	310301			Water supplying facilities	411301		
Loading and unloading sites	310401			Water supplying facilities	411302		
Blind alley of branch lines	310501			Dried up ditches (single line)	411401		
Branch lines	310502			Dried up ditches (double lines)	411402		
Culvert	310601			Fords expressed to true scale	411501		
Enbankments	310701			Bridges crossing small obstacles and culverts (less than 3m in height)	411601		
Cuttings	310801			Bridges crossing small obstacles and culverts (minimum)	411602		
Automotive roads with improved pavement	320101			Bridges and elevated bridges (minimum)	411701		
Automotive roads with pavement	320201			Quay	411801		
Automotive roads without pavement	320301			Impassable dam	411802		
Wide streets in the built-up areas	320302			Enbankments (to scale)	411901		
Narrow streets in the built-up areas	320303			Enbankments (minimum)	411902		
Roadside blank space	320304			Rivers, canals and ditches with embankments on one side and both	412001		
Earthen country road	320401			Water pipes on the ground	412101		
Field and forestry roads	320501			Wells	412201		
Foot paths	320601			Artesian wells and artesian deep-bored wells	412301		
Frost bridges	320701			Reservoirs and other water-storage facilities	412401		
Roads under-construction	320801			Fountainheads	412501		
Enbankments and cuttings	320901			Equipped fountainheads	412601		
Parking areas	321101			Moorage without mooring facilities	412701		
Parking areas expressed to true scale	321102			Moorage with mooring facilities	412801		
Boundary points between different polygons	321301			Lighthouses	412901		
Water lines of sea, rivers, lakes and reservoirs	410101			Dried river beds and dried up lake basins/ double lines	510801		
Coastal sand banks and shoals	410201			Dried river beds and dried up lake basins/ filled basin	510802		
Cruffy and rocky shores	410301			Dried river beds and dried up lake basins/ single line	510803		
Permanent river and streams (flowing)	410401			Passes, their altitudes and practicable period	510701		
Permanent rivers and streams (from 5 to 30m wide)	410402			Depressions/minimum	510801		
Permanent river and streams (more than 30m wide)	410403			Depressions/actual scale	510802		
Centerlines of rivers	410404			Barrows and hills/minimum	510901		
Hidden lines on rivers passing through lands	410405			Barrows and hills/actual scale	510902		
Dried up rivers and streams (double lines)	410501			Entrances of natural and artificial caves	511001		
Dried up rivers and streams (double lines)	410502			Peri fields and permanent snow patches	511101		
Waterfalls expressed to true scale	410601			Glacier (tongues)	511201		
Waterfalls/minimum	410602			Glacier crevasses	511301		
Industry, Agriculture and Socio-cultural Field Objects		Hydrography and its facilities		Vegetations and Soils		Boundaries	
Item	Code	O	M	Item	Code	O	M
Transmission lines	222201			Elevations of shorelines	410701		
Power transmission lines (hidden line)	222202			Arrows showing direction of river streams	410801		
Power transmission lines with wooden poles and reinforced poles	222301			Velocity value of flow/text	410802		
Power transmission lines (hidden line)	222302			Velocity value of flow	410803		
Power transmission lines with metal poles and reinforced concrete poles	222401			Characteristics of rivers and canals	410901		
Power transmission lines (hidden line)	222402			Characteristics of river and canals (minimum)	410902		
Shorty, bricky walls and electric fences	222501			Water gauges and tide gauges	411001		
Light fences for industrial, agricultural and social-cultural object objects	222601			Canals and ditches (less than 3m wide)	411101		
Boundary of other areas except vegetation and soils	222602			Canals and ditches (from 3m to 10m wide)	411102		
Railways	310101			Canals and ditches (more than 10m wide)	411103		
Railway stations	310201			Irrigation canals (ditches)	411201		
Block posts and clear posts	310301			Water supplying facilities	411301		
Loading and unloading sites	310401			Water supplying facilities	411302		
Blind alley of branch lines	310501			Dried up ditches (single line)	411401		
Branch lines	310502			Dried up ditches (double lines)	411402		
Culvert	310601			Fords expressed to true scale	411501		
Enbankments	310701			Bridges crossing small obstacles and culverts (less than 3m in height)	411601		
Cuttings	310801			Bridges crossing small obstacles and culverts (minimum)	411602		
Automotive roads with improved pavement	320101			Bridges and elevated bridges (minimum)	411701		
Automotive roads with pavement	320201			Quay	411801		
Automotive roads without pavement	320301			Impassable dam	411802		
Wide streets in the built-up areas	320302			Enbankments (to scale)	411901		
Narrow streets in the built-up areas	320303			Enbankments (minimum)	411902		
Roadside blank space	320304			Rivers, canals and ditches with embankments on one side and both	412001		
Earthen country road	320401			Water pipes on the ground	412101		
Field and forestry roads	320501			Wells	412201		
Foot paths	320601			Artesian wells and artesian deep-bored wells	412301		
Frost bridges	320701			Reservoirs and other water-storage facilities	412401		
Roads under-construction	320801			Fountainheads	412501		
Enbankments and cuttings	320901			Equipped fountainheads	412601		
Parking areas	321101			Moorage without mooring facilities	412701		
Parking areas expressed to true scale	321102			Moorage with mooring facilities	412801		
Boundary points between different polygons	321301			Lighthouses	412901		
Water lines of sea, rivers, lakes and reservoirs	410101			Dried river beds and dried up lake basins/ double lines	510801		
Coastal sand banks and shoals	410201			Dried river beds and dried up lake basins/ filled basin	510802		
Cruffy and rocky shores	410301			Dried river beds and dried up lake basins/ single line	510803		
Permanent river and streams (flowing)	410401			Passes, their altitudes and practicable period	510701		
Permanent rivers and streams (from 5 to 30m wide)	410402			Depressions/minimum	510801		
Permanent river and streams (more than 30m wide)	410403			Depressions/actual scale	510802		
Centerlines of rivers	410404			Barrows and hills/minimum	510901		
Hidden lines on rivers passing through lands	410405			Barrows and hills/actual scale	510902		
Dried up rivers and streams (double lines)	410501			Entrances of natural and artificial caves	511001		
Dried up rivers and streams (double lines)	410502			Peri fields and permanent snow patches	511101		
Waterfalls expressed to true scale	410601			Glacier (tongues)	511201		
Waterfalls/minimum	410602			Glacier crevasses	511301		
Industry, Agriculture and Socio-cultural Field Objects		Hydrography and its facilities		Vegetations and Soils		Boundaries	
Item	Code	O	M	Item	Code	O	M
Transmission lines	222201			Elevations of shorelines	410701		

* O → the number of omissions M → the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/100,000 SCALE MANUSCRIPT

Sheet No. 4346											
Checked by K. Usata											
Date: Dec 28 / 04											
Inhabited Areas											
Item	Code	O	M	Item	Code	O	M	Item	Code	O	M
Symbolized building	210101			Transmission lines	222201			Herbal plants/point	511401		611603
Buildings expressed at true scale	210201			Transmission lines (hidden line)	222202			Reeds and other species bushes	511501		611701
Symbolized ruin	210301			Power transmission lines with wooden poles and reinforced poles	222301			Marshes	511702		611801
Ruins expressed at true scale	210401			Power transmission lines (hidden line)	222302			Precipices and rock walls/point	511799		611802
Yurt, chum	210501			Power transmission lines with metal poles and reinforced concrete poles	222401			Boundaries of firm fields	511801		611901
Fire proofing building	210601			Power transmission lines (hidden line)	222402			Turf-banked terraces	511999		611902
Non-fire proofing building	210701			Shanty, brickly walls and meane fences	222501			Ice scarps /upper line	512001		611903
Sparsely built-up areas	210901			Light fences for industrial, agricultural and other objects	222601			Ice scarps /lower line	512002		611904
Nearly constructing areas	211001			Boundary of different concept vegetation and soils	222602			Ice scarps /parts	512099		612001
Newly constructing areas	211101			Railways	310101			Ice scarps /minimum	512101		612002
Destroyed half-destroyed blocks	212101			Railways stations	310201			Clastic sediments of fragile strata	512201		612101
Plants, factories and mills without chimney	220101			Block posts and clear posts	310301			Clastic sediments of hard strata (polygen)	512301		612201
Plants, factories and mills without chimney expressed at true scale	220102			Loading and unloading sites	310401			Clastic sediments of hard strata (lines)	512302		612301
Plants, factories and mills with chimney	220103			Blind alley of branch lines	310501			Clastic sediments of hard strata (polygen)	512399		612401
Area of plants, factories and mills	220104			Branch lines	310502			Land slides/upper line	512401		612402
Chimneys	220105			Culvert	310601			Land slides/lower line	512402		612403
Fit mounds of shafts and drifts in operation	220201			Embankments	310701			Canyons and gullies/vertical line	512501		612404
Fit mounds of shafts and drifts out of operation	220202			Cuttings	310801			Canyons and gullies/horizontal line	512502		612501
Open-cast mining areas	220301			Automotive roads with improved pavement	320101			Escarpments	512601		612601
Open-cast mining areas	220302			Automotive roads with pavement	320201			Boundaries of vegetation and soils	610101		710101
Fuel and gas tanks	220401			Automotive roads without pavement	320301			Forests	610201		710201
Area of fuel and gas tanks	220402			Wide streets in the built-up areas	320302			Dominant species trees in the forest (coniferous)	610301		710301
Oil supply towers and gas stations	220501			Narrow streets in the built-up areas	320303			Dominant species trees in the forest (deciduous)	610302		
Power station/thermoelectric, diesel	220601			Roadside blank space	320304			Dominant species trees in the forest (deciduous)	610303		
Power transmission stations	220701			Earthen country road	320401			Narrow forest belts and protective plantings	610401		
Power transmission stations	220702			Field and forestry roads	320501			Isolated trees, non landmark trees	610501		
Area of power transmission stations	220703			Foot paths	320601			Forest stumps, nurseries and saplings/less than 4m height	610601		
Radio stations and television centers	220801			Foot bridges	320701			Thin woods	610701		
Television, radio and radio relay masts	220901			Roads under-construction	320801			Shrubs/point	610801		
Airports on land water	221001			Embankments and cuttings	320901			Shrubs/point with color	610802		
Main tower-typed architectures	221101			Parking areas	321001			Thorny bushes/point	610901		
Simple towers	221201			Parking areas expressed to true scale	321102			Thorny bushes/point with color and symbols	610902		
The hobhouse, hobbed	221301			Boundary points between different types of roads	321301			Coniferous trees	611001		
Area of hobhouse, hobbed	221302			Waterfalls of sea, rivers, lakes and reservoirs	410101			Broad leaf trees	611002		
Livestock enclosures (minimum size)	221401			Coastal sand banks and shoals	410201			Narrow shrub belts and hedges	611101		
Livestock enclosures (actual size)	221501			Griffy and rocky shores	410301			Creeping shrubs/point	611201		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221601			Permanent river and streams (less than 5m wide)	410401			Creeping shrubs/point with color and symbols	611202		
Meteorological stations	221701			Permanent rivers and streams (from 5 to 30m wide)	410402			Fruits and citrus gardens	611301		
Churches	221801			Permanent rivers and streams (more than 30m wide)	410403			Vineyards	611401		
Monques	221901			Conterlines of rivers	410404			Fruits and citrus gardens with vineyards	611402		
Mazary, suburban, obo	222001			Hidden lines on rivers passing through lands	410405			Berry gardens	611501		
Remarkable monuments and statues	222001			Dried up rivers and streams (single line)	410501			Fruits-berry gardens	611502		
Ceneteries (minimum size)	221201			Dried up rivers and streams (double line)	410502			Herbal plants/polygon	611601		
Ceneteries (actual size)	222102			Waterfalls expressed to true scale	410601			Herbal plants/polygon	611602		
Gravestone (point)	222103			Waterfalls/minimum	410602						
				Hydrography and its facilities				Vegetations and Soils			
				Roads				Boundaries			
				Hydrography and its facilities				Vegetations and Soils			
				Relife				Vegetations and Soils			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			
				Hydrography and its facilities				Boundaries			
				Relife				Vegetations and Soils			

* O→the number of omissions M →the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/100,000 SCALE MANUSCRIPT

Sheet No. 4347		Checked by Kellgoda		Date: Dec 28 / 04			
Item	Code	O	M	Item	Code	O	M
Inhabited Areas							
Symbolized building	210101			Herbal plants/point	611603		
Buildings expressed at true scale	210201			Reeds and other species bushes	611701		
Symbolized ruin	210301			Marshes/only to be used 1/25,000 scale map	611801		
Ruins expressed at true scale	210401			Marshes	611802		
Yurt, chum	210501			Marshes	611803		
Fire proofing building	210601			Stepped plants	611901		
Non-fire proofing building	210701			Semi-shrubs	611902		
Sparsely built-up areas	210801			Stepped plants	611903		
Newly constructing areas	211001			Semi-shrubs	611904		
Newly constructing areas	211101			Passable swamps	612001		
Destroyed half-destroyed blocks	211201			Passable swamps	612002		
Vegetations and Soils							
Plants, factories and mills without chimney	220101			Passable solonchak	612101		
Plants, factories and mills without chimney expressed at true scale	220102			Surfaces with hills	612201		
Plants, factories and mills with chimney	220103			Hilly surfaces	612301		
Area of plants, factories and mills	220104			Stony depressions and angular stone surfaces	612401		
Chimneys	220105			Stony surfaces	612402		
Pyramids of shafts and debris in operation	220201			Stony surfaces/point	612403		
Pyramids of shafts and debris out of operation	220202			Stony surfaces/point	612404		
Open-cast mining areas	220301			Conglomerate and gravel surfaces	612501		
Open-cast mining areas	220302			Stony flats	612601		
Fuel and gas tanks	220401			Boundaries			
Area of fuel and gas tanks	220402			National boundaries	710101		
Oil supply towers and gas stations	220501			Boundaries of Autonomous S.S.R. Districts and regions	710201		
Power station/dyke/electric, thermal	220601			Boundaries of national preserves	710301		
Power transmission stations	220701			Vegetations and Soils			
Power transmission stations	220702			Moraines	511401		
Area of power transmission stations	220703			Debris flows	511501		
Radio stations and television centers	220801			Prospectives and rock walls/upper line	511701		
Television, radio and radio relay masts	220901			Prospectives and rock walls/lower line	511702		
Airports on land water	221001			Prospectives and rock walls/point	511799		
Main tower-typed architectures	221101			Boundaries of firm fields	511801		
Simple towers	221201			Turf-hanked terraces	511999		
The bathhouse, hobbed	221301			Ice scarps/upper line	512001		
Area of bathhouse, hobbed	221302			Ice scarps/lower line	512002		
Livestock enclosures (minimum size)	221401			Ice scarps/point	512099		
Livestock enclosures (actual size)	221501			Ice scarps/minimum	512101		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221601			Clastic sediments of fragile strata (polygons)	512201		
Meteorological stations	221701			Clastic sediments of hard strata (polygons)	512301		
Churches	221801			Clastic sediments of hard strata (point)	512399		
Mosques	221901			Land slides/upper line	512401		
Mazary, subgarn, obo	222001			Land slides/lower line	512402		
Remarkable monuments and statues	222101			Canyons and gullies/vertical line	512501		
Ceneteries (minimum size)	222102			Canyons and gullies/horizontal line	512502		
Ceneteries (actual size)	222103			Escarpments	512601		
Gravestones (point)	222103			Boundaries of vegetations and soils	610101		
Relife							
Elevations of shorelines	410701			Forests	610201		
Arrows showing direction of river streams	410801			Dominant species trees in the forest	610301		
Velocity value of flowtext	410802			Dominant species trees in the forest	610302		
Velocity value of flow	410803			Deciduous trees	610303		
Characteristics of rivers and canals (true scale)	410901			Dominant species trees in the forest	610303		
Characteristics of rivers and canals (minimum)	410902			Narrow forest belts and protective plantings	610401		
Water gauges and tide gauges	411001			Isolated trees, non landmark trees	610501		
Canals and ditches	411101			Isolated trees, nurseries and saplings/less than 4m height	610601		
Canals and ditches (form 3m to 10m wide)	411102			Thin woods	610701		
Canals and ditches (more than 10m wide)	411103			Shrubs/point	610801		
Irrigation canals (ditches)	411201			Shrubs/point	610802		
Water supplying facilities	411301			Shrubs/point	610901		
Water supplying facilities	411302			Thorny bushes/point	610902		
Dried up ditches	411401			Coniferous trees	611001		
Dried up ditches (double line)	411402			Broad leaf trees	611002		
Fords expressed to true scale	411501			Narrow shrub belts and hedges	611101		
Bridges crossing small obstacles and culverts (less than 3m in length)	411601			Creeping shrubs/point	611201		
Bridges crossing small obstacles and culverts (minimum)	411602			Creeping shrubs/point	611202		
Bridges crossing elevated bridges (minimum)	411701			Fruits and citrus gardens	611301		
Quay	411801			Vineyards	611401		
Impassable dam	411802			Fruits and citrus gardens with vineyards	611402		
Enbankments	411901			Berry gardens	611501		
Enbankments (to scale)	411902			Fruits-berry gardens	611502		
Enbankments (minimum)	412001			Herbal plants/polygon	611601		
Water pipes on the ground	412101			Herbal plants/polygon	611602		
Wells	412201			Edge matching			
Artesian wells and artesian deep-bored wells	412301			(+ 2)			
Reservoirs and other water-storing facilities	412401			(4346) - 4347 - (4348)			
Fountainheads	412501			(4359)			
Equipped fountainheads	412601						
Moorage without mooring facilities	412701						
Lighthouses	412901						
Dried river beds and dried up lake basins/ double line	510501						
Dried river beds and dried up lake basins/ filled with pattern	510502						
Dried river beds and dried up lake basins/ single line	510601						
Depressions/minimum	510701						
Depressions/actual scale	510801						
Barrows and hills/minimum	510901						
Barrows and hills/actual scale	510902						
Remnants of natural and artificial terraces	511001						
Firm fields and permanent snow patches	511101						
Glacier tongues	511201						
Glacier crevasses	511301						

* O → the number of omissions M → the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/100,000 SCALE MANUSCRIPT

Sheet No. 4348		Checked by K. G. Guba		Date: Dec 1 26 / 04			
Inhabited Areas		Industry, Agriculture and Socio-cultural Field Objects		Vegetations and Soils			
Symbolized building	210101	Transmission lines	222201	Item	Code	O	M
Buildings expressed at true scale	210201	Transmission lines (hidden line)	222202	Elevations of shorelines	410701		
Symbolized ruin	210301	Power transmission lines with wooden poles and reinforced poles	222301	Arrows showing direction of river stream	410801		
Ruins expressed at true scale	210401	Power transmission lines (hidden line)	222302	Velocity value of flow	410802		
Yurt, chum	210501	Power transmission lines with metal poles and reinforced concrete poles	222401	Velocity value of flow (true scale)	410901		
Fire proofing building	210601	Power transmission lines (hidden line)	222402	Characteristics of river and canals (minimum)	410902		
Non-fire proofing building	210701	Stony, brickly walls and masonry fences	222501	Water gauges and tide gauges	411001		
Sparsely built-up areas	210901	Light fences for suburban, agricultural and industrial areas	222601	Canals and ditches (less than 3m wide)	411101		
Newly constructing areas	211001	Boundary of other areas except vegetation and soils	222602	Canals and ditches (from 3m to 10m wide)	411102		
Newly constructing areas	211101			Canals and ditches (more than 10m wide)	411103		
Destroyed half-destroyed blocks	211201	Railways	310101	Integration canals (ditches)	411201		
Plains, faceries and muls without chimney	220101	Railway stations	310201	Water supplying facilities	411301		
Plains, faceries and muls without chimney expressed at true scale	220102	Block points and clear points	310301	Water supplying facilities	411302		
Plains, faceries and muls with chimney	220103	Loading and unloading sites	310401	Dried up ditches (single line)	411401		
Area of plains, faceries and muls	220104	Blind alley of branch lines	310501	Dried up ditches (double line)	411402		
Chimneys	220105	Branch lines	310602	Fence expressed to true scale	411501		
Py results of shafts and debris in operation	220201	Culvert	310701	Bridges crossing small obstacles and culverts (less than 3m in height)	411601		
Py results of shafts and debris out of operation	220202	Embankments	310801	Bridges crossing small obstacles and culverts (from 3m to 10m wide)	411602		
Open-cast mining areas	220301	Cuttings		Bridges (minimum)	411701		
Open-cast mining areas	220302	Automotive roads with improved pavement	320101	Quay	411801		
Fuel and gas tanks	220401	Automotive roads with pavement	320201	Impassable dam	411902		
Area of fuel and gas tanks	220402	Automotive roads without pavement	320301	Embankments (to scale)	411902		
Oil supply towers and gas stations	220501	Wide streets in the built-up areas	320302	Embankments	411902		
Power stations(hydroelectric, thermal)	220601	Narrow streets in the built-up areas	320303	Rivers, canals and ditches with embankments on one side and both	412001		
Power transmission stations	220701	Roadside blank space	320304	Water pipes on the ground	412101		
Power transmission stations	220702	Earthen country road	320401	Wells	412201		
Area of power transmission stations	220703	Field and forestry roads	320501	Artesian wells and artesian deep-bored wells	412301		
Radio stations and television centers	220801	Foot paths	320601	Artesian wells and artesian deep-bored wells (from 3m to 10m wide)	412401		
Television, radio and radio relay masts	220901	Foot bridges	320701	Artesian wells and artesian deep-bored wells (more than 10m wide)	412401		
Airports on land water	221001	Roads under-construction	320801	Fountainheads	412501		
Main tower-typed architectures	221101	Embankments and cuttings	320901	Equipped fountainheads	412601		
Simple towers	221201	Parking areas	321101	Moorage without mooring facilities	412701		
The hobhouse, hobbed	221301	Parking areas expressed to true scale	321102	Moorage with mooring facilities	412801		
Area of hobhouse, hobbed	221302	Boundary points between different pavings	321301	Lighthouses	412901		
Livestock enclosures (minimum size)	221401	Water lines of sea, rivers, lake and reservoirs	410101	Dried river beds and dried up lake basins (double line)	510501		
Livestock enclosures (actual size)	221402	Coastal sand banks and shoals	410201	Dried river beds and dried up lake basins (single line)	510502		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501	Criffs and rocky shores	410301	Dried river beds and dried up lake basins (filled up)	510603		
Metereological stations	221601	Permanent rivers and streams (less than 5m wide)	410401	Dried river beds and dried up lake basins (single line)	510701		
Churches	221701	Permanent rivers and streams (from 5 to 30m wide)	410402	Passes, their altitudes and practicable period	510801		
Mosques	221801	Permanent river and streams (more than 30m wide)	410403	Depressions/minimum	510802		
Mazary, suburgan, dho	221901	Centrines of rivers	410404	Depressions/actual scale	510901		
Remarkable monuments and statues	222001	Hidden lines on rivers passing through islands	410405	Barrows and hills/minimum	510902		
Cemeteries (minimum size)	222101	Dried up rivers and streams (single line)	410501	Barrows and hills/actual scale	510902		
Cemeteries (actual size)	222102	Dried up rivers and streams (double line)	410502	Entrances of natural and artificial pits	511001		
Gravestone (point)	222103	Waterfalls expressed to true scale	410601	Fine fields and permanent snow patches	511101		
		Waterfalls/minimum	410602	Glacier tongues	511201		
				Glacier crevasses	511301		
				Vegetations and Soils			
				Boundaries			
				National boundaries		710101	
				Boundaries of Autonomous S.S.R. Divisions and regions		710201	
				Boundaries of national preserves		710301	