

Description of land uses implemented in StormTac, v. 2015-12

Land use	Alt. notation	Description
Road 1	Throughfare, highway	Trafficked road surface with yearly average day traffic (ADT, annual daily traffic), specified in the box Runoff flow under Concentration in the model Pollutant transport. Default ADT for road 1, 2, 3 ...10 = 0, 1000, 2000, 5000, 10 000, 15 000, 25 000, 50 000, 100 000 and 150 000, but the ADT of each road can be changed.
Parking		Separate parking space outside buildings, or that need to be counted separately due to planned measures for this area. Factors 0-10 in the box Runoff flow below Concentration in the model Pollutant transport can be used to specify a smaller or busier parking, where the default 5 gives the median value (standard concentration) in the database.
Residential area		Area with houses, including all land use within a normal residential area, for example, local streets, ditches, roofs, driveways and lawns.
Terraced house area		Area with terraced buildings, including all land use within a normal terraced area, such as local streets, ditches, roofs, driveways, small parkings and lawns.
Multi-family area		Area of multifamily buildings, including all land use within a normal apartment block area, such as local streets, ditches, roofs, driveways, small parkings and lawns.
Vacation cottage development	Cottage area, holiday house area, secondary residence, weekend cottage area	Vacation area with individual wastewater sewage systems, including local streets, homes and land.
Allotment area		Allotments or allotments with cultivation and possibly with small houses.
Downtown area		Area of dense downtown buildings, retail, car parks (not necessarily counted separately) and the like.
Industrial area		Area of industrial activity of various kinds, including buildings and traffic areas.
Park grounds		Park areas, including footpaths.
Surface water	Atmospheric deposition	Open water of the type ponds, lakes, streams and oceans which get a load of atmospheric deposition.
Forest	Woodland	Forest with different types of trees, including smaller roads and mountains.
Agricultural property	Agriculture land, farmland	Agricultural land with different types of (not specified) crops, such as arable land that can be plowed and pasture.
Meadow		Meadow, open field or open grassland with vegetation, type grasses and herbs, etc.
Wetland		Marsh. Vegetation covered water areas, such as marshes, beaches and bogs.
Golf course		A golf club throughout the area for practicing golf.
Airport		Place where aircraft take off and land, incl. buildings and surrounding mostly paved land, but also a smaller proportion of green areas.

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Railway embankment		Landscaped embankment of the railway, subway lines or tram. Superstructure of gravel or concrete, self-draining understructure.
Forest clearings	Cutting area, clear-cutting, clearing	Surface with felled forests, clear-cutting.
Thermal power station with storage areas and traffic surfaces		Surface with thermal power plant, ancillary buildings, traffic areas and storage areas for fuel, etc.
Waste dump site		Surface for management (recycling / incineration) of waste from e.g. households and industries, incl. buildings, storage areas and traffic areas.
Harbor zone	Dockside, portside, port area, dock area	Harbor with buildings and traffic areas
Gas station	Petrol station, service station	Facility area with gas station, car wash, parking and the like.
School campus		Area of school building, schoolyard, any sports ground and parking as well as smaller proportion of green areas.
Recreational area	Sports ground, athletic field, sports field, athletic ground	Sports field with grass or gravel surface incl. associated buildings and parking lots.
Office area		Area with office buildings, parking and other traffic areas and minor share of green space.
Woodland and meadow		A mixture of woodland and meadow (see respective description).
Cemetery	Graveyard	Surface with tombs, paths, green spaces, buildings and parking.
Downtown area, less polluted		Downtown area (see separate description) which is less dense and not as hard as done normally, can alternatively be specified by using the land use Downtown area and reduce the factor to less than 5 in the box Runoff flow below Concentration in the model Pollutant transport.
Downtown area, more polluted		Downtown area (see separate description), more impervious than normal, can alternatively be specified using the Downtown area and increase the factor to more than 5 in the box Runoff flow below Concentration in the model Pollutant transport.
Industrial area, less polluted		Industrial area (see separate description) which is less dense and not as impervious as normally, can alternatively be specified by using Industrial area and reducing the factor to less than 5 in the box Runoff flow below Concentration in the model Pollutant transport.
Industrial area, more polluted		Industrial area (see separate description) which is more impervious than normal, can alternatively be specified using the Industrial area and increase the factor to more than 5 in the box Runoff flow below Concentration in the model Pollutant transport.
Hospital		Area with hospitals, parking, local street, etc.
Swimming pool area		Area with swimming pool, building and parking etc.
Retirement home center	Area of nursing home, area of old people's home, area of geriatric care	Residential area with retirement home incl. local roads, parking, green areas, etc.

Land use	Alt. notation	Description
Farm	Ranch, livestock keeping, animal keeping	An area intended for disposal (care, feeding and accommodation) of animals, incl. building for animals, green spaces, access road and parking
Firing range		A field firing range, incl. green areas and walkways.
Loading dock		An exterior area of a building where goods vehicles are loaded and unloaded, commonly found on commercial and industrial buildings.
Residential area with total local disposal of storm water		Residential area (see description of this land use) within which all stormwater can be disposed of (purified and flow compensated) locally. Virtually all roof stormwater is led through downspouts discharge chute to a green space through which it largely can infiltrate and where all stormwater from driveways and local streets are headed over green space or into the ditches where part can infiltrate, where sedimentation can take place and where stormwater can be filtered through plants.
Terraced area with total local disposal of storm water		Virtually all roof stormwater is led through downspouts discharge chute to a green space through which it largely can infiltrate and where all stormwater from driveways and local streets are headed over green space or into the ditches where part can infiltrate, where sedimentation can take place and where stormwater can be filtered through plants.
Multi-family area with total local disposal of storm water		Apartment block area (see description of this land use) within which all surface water be disposed of (purified and flow compensated) locally. Virtually all roof stormwater is led through downspouts discharge chute to a green space through which it largely can infiltrate and where all stormwater from driveways and local streets are headed over green space or into the ditches where part can infiltrate, where sedimentation can take place and where stormwater can be filtered through plants.
Residential area with total local disposal of storm water, excl. Roads		Residential area (see description of this land use) within which all stormwater be disposed of (purified and flow compensated) locally, except the road runoff which is led down through the gullies in the stormwater sewers out of the area without purification and flow detention.
Terraced area with total local disposal of storm water, excl. Roads		Townhouse Area (see description of this land use) within which all stormwater be disposed of (purified and flow compensated) locally, except the road runoff which is led down through the gullies in the stormwater sewers out of the area without purification and flow detention.
Multi-family area with total local disposal of storm water, excl. Roads		Apartment block area (see description of this land use) within which all stormwater be disposed of (purified and flow compensated) locally, except the road runoff which is led down through the gullies in the stormwater sewers out of the area without purification and flow detention.
Residential area, less polluted		Residential area (see description of this land) with larger plots than normal and with local streets with less traffic than normal, and with road ditches that receive stormwater, which together provide lower

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		levels of pollution than from a "normal" (average in the database) residential area.
Highway road ditch		Highway ditch receiving e.g. spray from cars and road runoff flowing down the slopes of the ditch. Therefore the stormwater in the ditches gets higher pollutant concentration than a green area that only receives pollution from atmospheric deposition.
Metal recycling center		Recycling farm or recycling center for the collection and recycling of scrap metal in containers, incl. trafficked areas.
Farm by agricultural land		The land area at a farmland, incl. building, access road and parking and the adjacent green and gravel surfaces, or the like.
Roof		Roof area without specification of roofing materials, is used if you want to calculate the roof's load (flows and / or pollution) separately from one or more residential areas without an inventory of different roofing materials. Instead, use the data in specific ceiling coating of certain material on pollution estimates from the specific ceilings to be calculated, if you know what the material is.
Tank farm	Fuel stock, fuel deposit	Oil deposit, a facility for storage of petroleum products, incl. trafficked areas.
Green roof		Roof area covered with vegetation, e.g. sedum plants.
Residential area without road ditches, standard		Residential area (see the description of the land) in which the road runoff from local streets are not led down to the ditch but led directly into the wells and further into stormwater, calculated standard value from such an area.
Residential area without road ditches, min		Residential area (see the description of the land) in which the road runoff from local streets are not led down to the ditch but led directly into the wells and further into stormwater, calculated minimum value from such an area.
Residential area without road ditches, max		Residential area (see the description of the land) in which the road runoff from local streets are not led down to the ditch but led directly into the wells and further into stormwater, calculated maximum value from such an area.
Residential area, excluding road		Residential area (see description of this land use) excluding the surface of roads (roads counted separately).
Local street with curbstones		The road surface for local roads in a residential area, where the streets have curbs and all road runoff is led down through wells into the storm drains.
Local street after reduction in open ditch		The road surface for local roads in a residential area, where the streets have not curbstones and all road runoff is led into the open ditch in which pollution reduction is assumed. No customized ditch for a more effective reduction is provided for, but a normal grass coated roadside ditch with a relatively steep slope gradient
Junkyard	Scrapyard, old car dump, car dismantling area, car breaker's yard	Surfaces for car dismantling in which the motor vehicle is drained from hazardous fluids and then disassembled, include building and trafficked areas.

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Storing yard including asphalt spilling etc.		Surface of deposits with different materials such as asphalt spills, including heavily trafficked areas within the facility.
Stone quarry	Rock excavation, rock shaft	Surface with excavated mountain, where stones, rock or gravel is excavated from the ground, incl. open land area, entry and exit roads and piles / slopes with the excavated material.
Mixed multi-family area and down town, town		A mixture of multi-family and downtown area (see description of each of these) in the city center, i.e. in densely and largely impervious central area.
Mixed multi-family area and down town, suburb		A mixture of multi-family and downtown area (see description of each of these) in the suburbs, outside central parts of a city.
Residential and terraced area		A mixture of residential and terraced area (see description of each of these), where the surfaces of the respective type of area is not specified.
Larger parking area		A large parking space with much vehicle traffic (high traffic intensity), e.g. a trade or center parking
Mixed green area		A green area with a mixed vegetation of both trees (small woodlots), grassland or parkland.
Recycling center		A recycling center (RC), sometimes called a recycle park, is a facility for the collection of bulky waste, such as furniture, wood waste, yard waste, scrap metal and hazardous waste (such as paint, electronic waste and construction waste). Including containers, roadways, parking areas and buildings.
Roof without zinc materials		Roof surfaces without specifying the material but that gutters and downspouts are not of zinc.
Roof with zinc materials		Roof surfaces without specifying the material but the guttering and downpipes are of zinc.
Copper roof		Roof surfaces of copper.
Aluminium roof		Roof surfaces of aluminum.
Zinc roof		Roof surfaces of zinc.
Pedestrian and cycle path		Paved area intended for pedestrians and cyclists.
Gravel		Gravel surface without a specified use.
Gravel with trees		Gravel surface planted with trees but without a specified use.
Stone flower bed		Paved area with flower beds with vegetation.
Pavers		Pavers with joints (coarse sand, gravel or the like) between the stones that allow some infiltration of stormwater through the joints.
Concrete slab		A plate (a flat surface) of concrete, without a specified use.
Square		A square without specification of the type of use of the square.
Multi-family area with street trees in a skeletal soil (macadam-soil mixture) without Local disposal of stormwater in the block.		Multi-family block area (see description of this land use) in which the stormwater from e.g. walkways and cycle paths and / or streets is led

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		into the plants with skeletal soil with trees where it is cleansed, but where no local disposal occurs within the blocks (roofs and courtyards).
Multifamily area with street trees in a skeletal soil (macadam-soil mixture) with Local disposal of stormwater in the block.		Apartment block area (see description of this land use) in which the stormwater from e.g. walkways and cycle paths and / or streets is led into the plants with skeletal soil with trees where it is cleansed, and where local management takes place within the blocks (roofs and courtyards).
Multifamily area with biofilter without local disposal in block		Apartment block area (see description of this land use) in which the stormwater from e.g. walkways and cycle paths and / or streets is led into the plants with submerged plant beds (biofilters) where it is cleansed and flow compensated, but where no local disposal occurs within the blocks (roofs and courtyards).
Multifamily area with biofilter with local disposal in block		Apartment block area (see description of this land use) in which the stormwater from e.g. walkways and cycle paths and / or streets is led into the plants with submerged plant beds (biofilters) where it is cleaned and flow compensated, and where local management takes place within the blocks (roofs and courtyards).
Block without road		Block (ceilings and courtyard), excluding the surrounding traffic areas (e.g. local streets, walkways and cycle paths).
Office area with street trees and skeletal soil (macadam-soil mixture) and blocks without local disposal		Office area (see description of this land use) in which the stormwater from e.g. walkways and cycle paths and / or streets led into the plants with skeletal soil with trees where it is cleansed, but where no local disposal occurs within the blocks (roofs and courtyards).