

Survey of green areas and components in Park Jordana in Toruń

Contractor:

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I. TECHNICAL DESCRIPTION

1. THE BASIS OF THE STUDY

- field measurements of green areas, carried out in April 2021
- the Nature Conservation Act of 16 April 2004 (Journal of Laws, 2004, no. 92, item 880),

2. SUBJECT AND SCOPE OF THE STUDY

The purpose of the study is to conduct a survey of green areas and components in Park Jordana in Toruń.

3. GENERAL DESCRIPTION OF THE EXISTING TREE STAND

The survey was carried out for all existing trees and bushes in the Park.

The tree stand is dominated by: maple, sycamore, small-leaf lime. This section also includes box elder, rowan, common hornbeam, or walnut.

One of the predominant features of the local tree stand is the occurrence of mistletoe in the tree crowns (especially on the maples). Trees are frequently overcome with this semi-parasite, which increases the load on the tree crowns and weakens them.

Bushes are represented by elderberry, English dogwood, forsythia. Bridalwreath and common dogwood are also found in this section. Such bush species as Japanese meadowsweet, wintergreen barberry, wintercreeper and rose are currently being planted in the Park.

4. SANITARY CONDITION

The purpose of the tree stand survey is to examine the condition of the local trees:

Examination of tree health was performed on the basis of the following criteria:

- **very good condition (BDB)** – healthy plants, well-developed, with high natural and landscape value, no cavities, curves, damages and symptoms of disease, with sufficient space for further, correct growth,
- **good (DB)** – correctly developed plants, lack of visible cavities, damages and signs of disease. Plants which may grow under the crowns of other trees, but which can provide high natural value when uncovered,

- **satisfactory (Z)** – deformed to a small extent, with minor signs of disease or minor cavities, with medium natural and landscape values,
- **unsatisfactory (NZ)** – deformed, with deformed crowns, partially ill, crooked, weak or posing a threat to more precious species, to humans or buildings, including trees with distorted statics and partially withering,
- **bad (Zł)** – very deformed, very crooked, with clear crown degeneration, without promise of improvement, including dead and very rotten trees.

5. SURVEY OF GREEN AREAS - TABLE

The following information is provided in the survey of the tree stand:

1. Ordinal number,
2. Species - common name and Latin name,
3. Trunk circumference at 5 cm from the ground [in cm] (or ">" - "<" 50, 65, 80, depending on the species)
3. Trunk circumference at 130 cm from the ground [in cm]
4. Crown circumference [m]
5. Tree height [m]
6. Bush area [m²]
7. Sanitary condition
8. Comments to trees and bushes

The “+” symbol divides trunk circumferences in multi-trunk forms. The “x” symbol marks dead trunks as of the tree stand survey.