

# The Stockholm Solution - Ten Years of Experience of Urban Tree Planning and Management Combined with Local Storm Water Management





Stockholm

Max. temp. 86 F  
(+30 C)

Min. -22 F  
(-30 C)

Population  
900 000









# Problems for Mature Urban Trees



which in this condition has lost its environmental value



Tress nead  
water oxygen  
and  
Nutrients ,  
and we have to  
take away the  
carbon dioxide  
around the  
roots

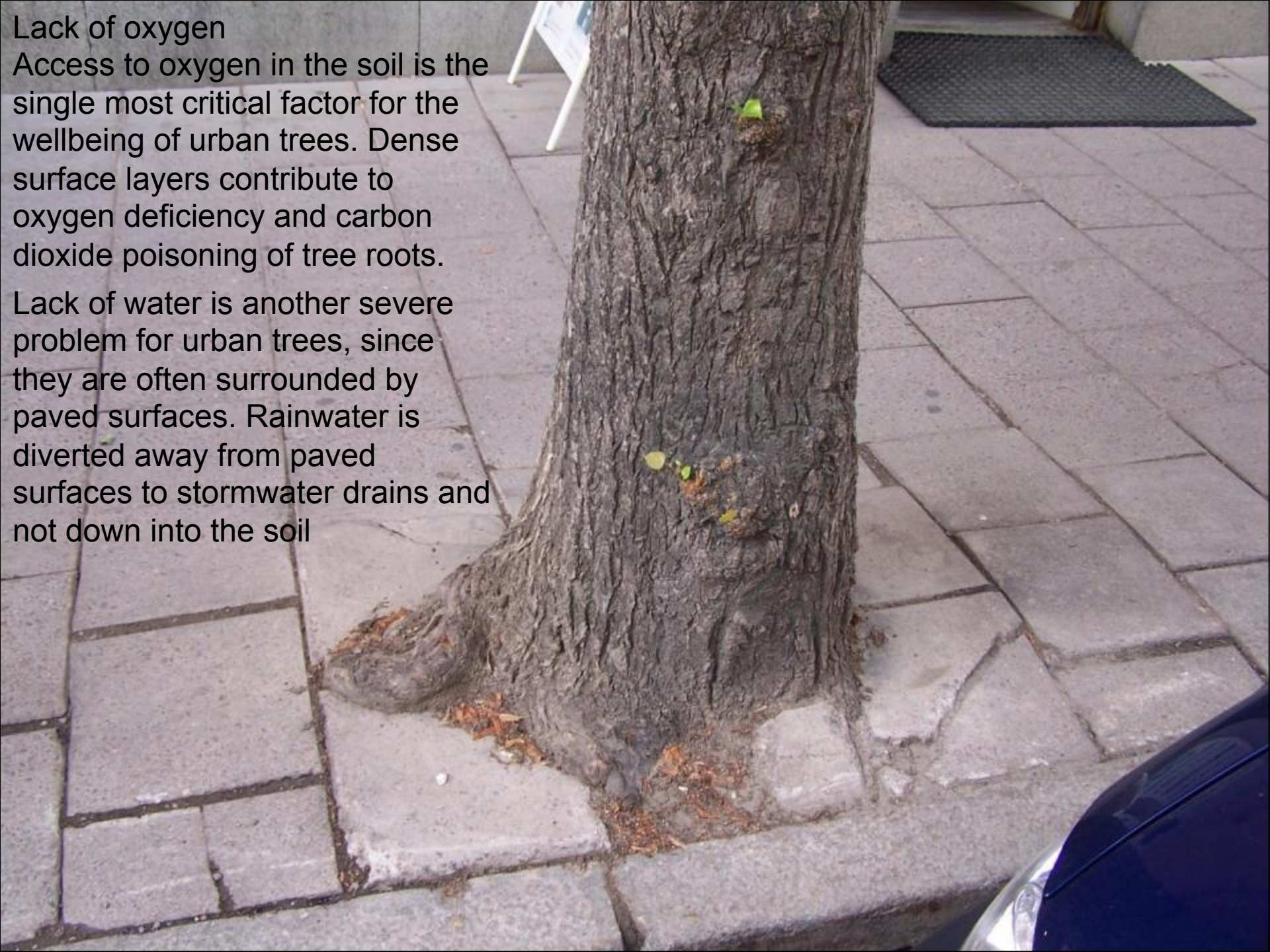




after the inventory we realized that up to a third of the trees were dying







Lack of oxygen  
Access to oxygen in the soil is the single most critical factor for the wellbeing of urban trees. Dense surface layers contribute to oxygen deficiency and carbon dioxide poisoning of tree roots.

Lack of water is another severe problem for urban trees, since they are often surrounded by paved surfaces. Rainwater is diverted away from paved surfaces to stormwater drains and not down into the soil

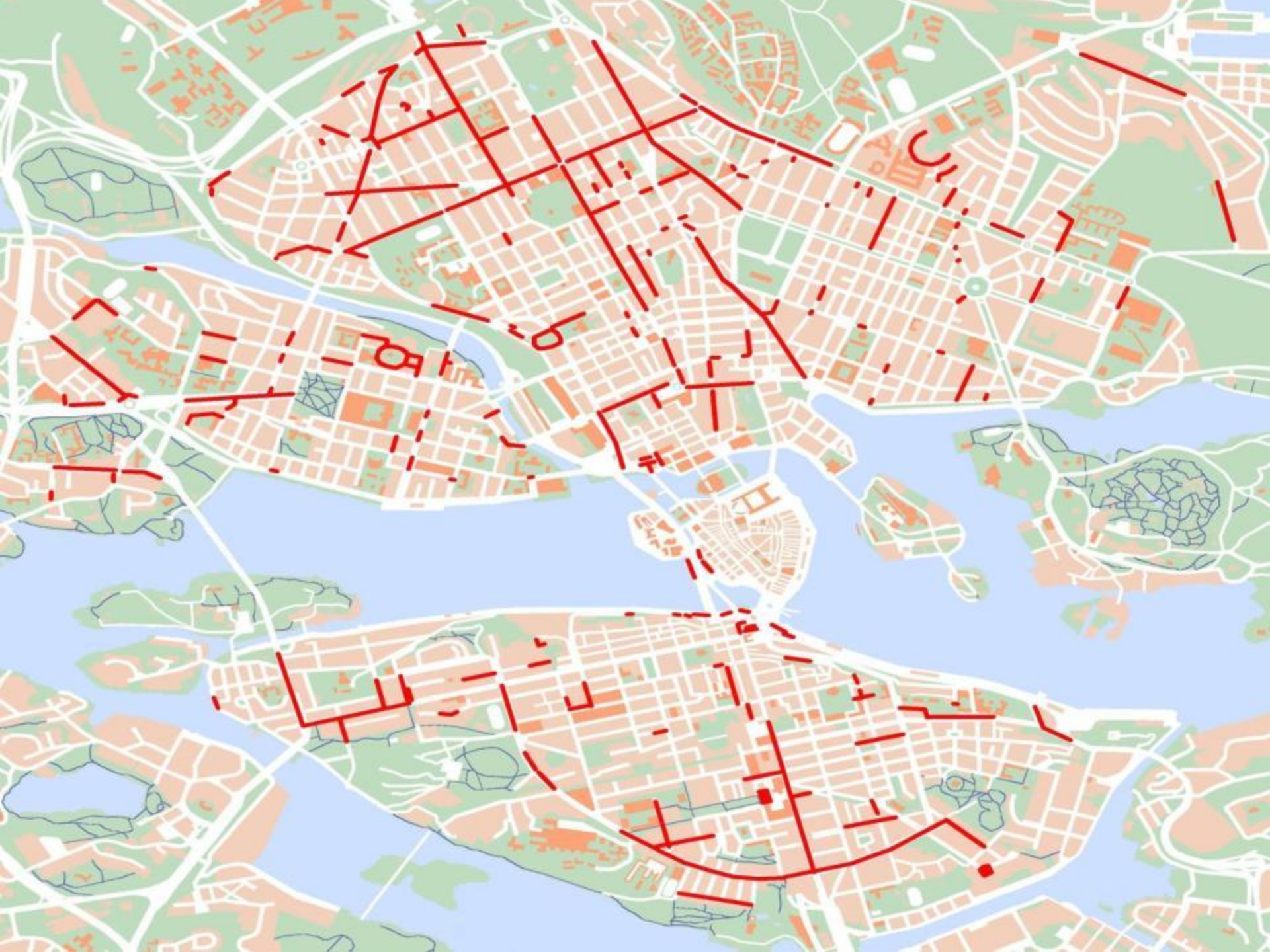














- **Access to oxygen** in soil is the single most critical factor for the wellbeing of urban trees.
- Dense surface layers contribute to oxygen deficiency and carbon dioxide poisoning of tree roots.
- **Lack of water and input of organic matter** is a severe problem for urban trees, since they are often surrounded by paved surfaces.
- Rainwater is diverted away from paved surfaces to storm water drains and not directed to the root space.







Concrete tile

Sand

Asphalt

Road bed



more than 40 Year  
Onsite



















LONG  
VEHICLE

YORK







railroad track area

