

Flood Hazard Maps – River and Lake floods

Contents

1. Feature Attribute Description	1
2. UML-model	5

1. Feature Attribute Description

MaaritetytTulvatVesisto

MaarTlvVesKohde (Flood mapping delineation)

KohdeNro	Location number
Nimi	Location name
Tulvakartoitustyyppi	Flood map type
	Classification for flood maps:
	Yleispiirteinen tulvavaarakartta = Coarse scale flood map
	Yksityiskohtainen tulvavaarakartta = Detailed scale flood map
MuutosPvm	Date, when the dataset has been modified

MaarTlvVes0002, MaarTlvVes0005, MaarTlvVes0010, MaarTlvVes0020, MaarTlvVes0050, MaarTlvVes0100, MaarTlvVes0250, MaarTlvVes1000
(Frequency/likelihood of a flood eg. frequency for a flood appearing once in 100 years (0100) is for a specific year 1 %. Different water depth zones are combined by location in each feature class).

Feature attribute	Description
KohdeNro	Location number
SyvSuojLuokka	Data on depth zone and flood protected area Classification 0 = dry land 1 = 0 – 0.5 m 2 = 0.5 - 1 m 3 = 1 – 2 m 4 = 2 – 3 m 5 = yli 3 m 11 = flood covered, no water depth data 12 = flood protected area with permanent structures 13 = flood protected area with preliminary approved temporary structures 99 = water body
Nimi	Location name
Tulvakartoitustyyppi	Flood map type Classification for flood maps: Yleispiirteinen tulvavaarakartta = Coarse scale flood map Yksityiskohtainen tulvavaarakartta = Detailed scale flood
map	
MaaritysWMenetelma	Definition method for water levels (Tilastollinen analyysi = statistical analysis)
DigPohja	Base map scale
DigOrg	Organization responsible for the original producing
MuutosPvm	Date, when the dataset has been modified

MaarTlvVes0002_a, MaarTlvVes0005_a, MaarTlvVes0010_a, MaarTlvVes0020_a, MaarTlvVes0050_a, MaarTlvVes0100_a, MaarTlvVes0250_a, MaarTlvVes1000_a (Frequency/likelihood of a flood eg. frequency for a flood appearing once in 100 years (0100) is for a specific year 1 %. Different water depth zones are presented as separate layers).

Feature attribute	Description
KohdeNro	Location number
SyvVyohLuokka	Data on depth zone and flood protected area Classification 0 = dry land 1 = 0 – 0.5 m 2 = 0.5 - 1 m 3 = 1 – 2 m 4 = 2 – 3 m 5 = yli 3 m 11 = flood covered, no water depth data 99 = water body
TulvaSuojLuokka	Flood protection level 0 = no flood protection

	1 = flood protected area with permanent structures 2 = flood protected area with preliminary approved temporary structures
SyvSuojLuokka	Data on depth zone and flood protected area
	Classification
	0 = dry land
	1 = 0 – 0.5 m
	2 = 0.5 - 1 m
	3 = 1 – 2 m
	4 = 2 – 3 m
	5 = yli 3 m
	11 = flood covered, no water depth data
	12 = flood protected area with permanent structures
	13 = flood protected area with preliminary approved temporary structures
	99 = water body
Silta	Bridge
	Classification:
	1 = no bridge
	2 = bridge
	-9 = no information
KorkeusAin	Used topographic data. Classification:
	1 = laser scanning
	2 = orthoimagery and photogrammetry
	3 = digital elevation model 2 m produced by the national land survey of Finland (NLS)
	5 = site measurements
	6 = topographic base map
	7 = digital elevation model 10 m produced by NLS
	8 = topographic database elevation data produced by NLS
	9 = digital elevation model 25m produced by NLS
	10 = other elevation data
Korkeusvirhe_m	Mean error of the elevation data
DigOrg	Organization responsible for the original producing
MuutosPvm	Date, when the dataset has been modified

MaarTlvMeriInfoViiva (Water level infolines)

Feature attribute	Description
KohdeNro	Location number
PaaluLuku_m	River station (distance (in m) along the central line of the river from a sea, a lake or a previous river fork
Q_0002	discharge (m ³ /s) frequency 1/2a (MHQ)
Q_0005	discharge (m ³ /s) frequency 1/5a
Q_0010	discharge (m ³ /s) frequency 1/10a
Q_0020	discharge (m ³ /s) frequency 1/20a
Q_0050	discharge (m ³ /s) frequency 1/50a
Q_0100	discharge (m ³ /s) frequency 1/100a
Q_0250	discharge (m ³ /s) frequency 1/250a
Q_1000	discharge (m ³ /s) frequency 1/1000a
KorkeusJarj	Used elevation system
W_0002	water level (m) frequency 1/2a (MHW)
W_0005	water level (m) frequency 1/5a
W_0010	water level (m) frequency 1/10a
W_0020	water level (m) frequency 1/20a
W_0050	water level (m) frequency 1/50a
W_0100	water level (m) frequency 1/100a
W_0250	water level (m) frequency 1/250a
W_1000	water level (m) frequency 1/1000a
DigOrg	Organization responsible for the original digitizing
MuutosPvm	Date, when the dataset has been modified

2. UML-model

