

Obstacle data Finland Version 2.1

29.march 2018

Thank you for downloading Flight obstacle data Finland for FSX. This version includes the highest masts, windmills and chimneys and few construction cranes for whole Finland as published by Finnish civil aviation administration Finavia.

Addition to this I have combined the previous Finnish lighthouses scenery to this package. You can find a Scenery configurator that you can use to switch options on and off. The configurator is provided by 29Palms <https://29palms-store.de>

This version does not contain many custom models, but you can find Näsinneula tower in Tampere and twin radio masts in Lahti. The Lahti towers change their night lighting and is done for FSX using SODE module. You must download and install SODE before installing Obstacle data scenery.

You can download SODE from this address:

http://sode.i2bpilot.ch/?page_id=9

Sode version 1.6.2 (29. march 2018)

Installing Obstacle data Finland

1. Uninstall previous versions of FIN_Obstdata and Finnish Lighthouses.
2. Install SODE if not installed already
3. Run FIN_Obstdata.exe
4. Make sure the installer finds (or find it manually) FSX directory
5. After the installer has run you have Obstdata_Finland_SODE folder in Addon Scenery/
FIN_Obstdata folder.
6. Copy (or move) these "SODE files" to your ProgramData/i2bPilot/SODE folder. (**Not Program files or Program Files (x86) folder**)
7. Add FIN_Obstdata to your FSX in Scenery library.

Thank you FSNordic.net community for help and testing as well as special thanks to 29 Palms for the great Scenery configurator.

Finnish lighthouses

This scenery includes the most of the biggest lighthouses in Finland.

The lights have a realistic flashing sequence but I didn't find a way to include any light sectors. Those lighthouses that have sectors and colors, I picked the most used color for the light. For example "Harmaja" has a red light in this scenery

The seamarks for Whole Finland area. You can also find seamarks in biggest lakes in Finland.

Included are:

- Lateral marks
- Cardinal marks
- Safe water marks
- Isolated danger marks
- Byous

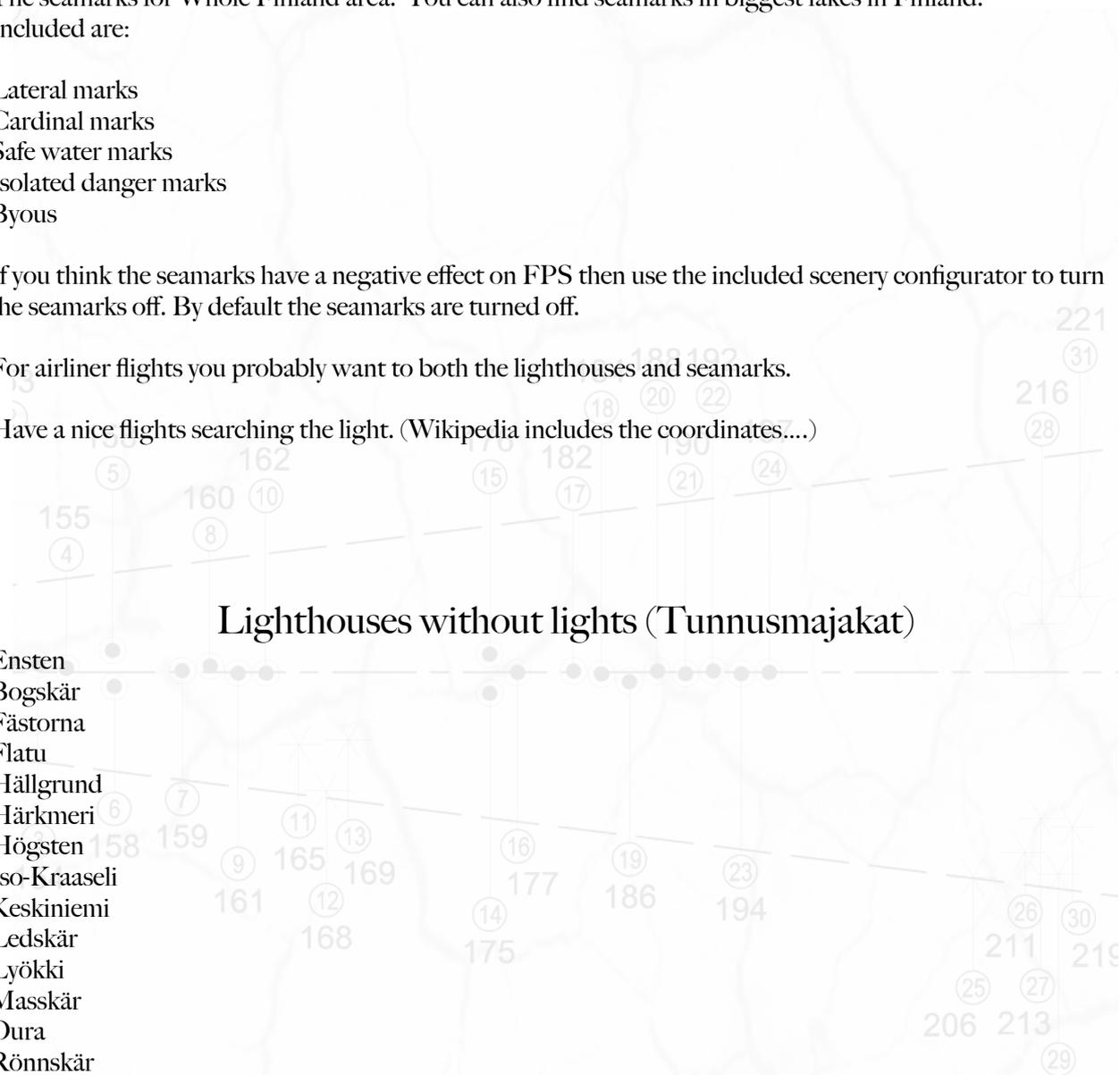
If you think the seamarks have a negative effect on FPS then use the included scenery configurator to turn the seamarks off. By default the seamarks are turned off.

For airliner flights you probably want to both the lighthouses and seamarks.

Have a nice flights searching the light. (Wikipedia includes the coordinates....)

Lighthouses without lights (Tunnusmajakat)

- Ensten
- Bogskär
- Fästorna
- Flatu
- Hällgrund
- Härkmeri
- Högsten
- Iso-Kraaseli
- Keskiniemi
- Ledskär
- Lyökki
- Masskär
- Oura
- Rönnskär
- Stubben
- Tasku
- Ulkokrunni
- Ykskivi



Lighthouses with lights

Bengtskär	Oulu 3
Bogskär (Helipad)	Pietarsaari
Dalen	Pori
Flötjan	Porvoo
Gustavsvärn	Porkkala
Harmaja	Raahe
Helsinki (Helipad)	Rauma (Helipad)
Isokari	Ritgrund
Jussarö	Sälgrund
Kaijakari	Sälskär
Kalbådagrund (Helipad)	Sandbäck (Helipad)
Kallan	Santakari
Kallo	Säppi
Kemi 1 (Helipad)	Strömmingsbodan
Kemi 2	Stubben
Keminkraaseli	Suomen leijona
Kokkola (Helipad)	Tainio
Kotka (Helipad)	Tankar
Kristiinankaupunki (Helipad)	Tauvo
Kylmäpihlaja	Tiiskeri
Längden	Ulkokalla
Marjaniemi	Utgrynnan
Märket (Helipad)	Utö (Helipad on Utö island)
Merikarvia	Vaasa
Nahkiainen (Helipad)	Valassaaret
Norrskär	Yttergrund
Oulu 1	
Oulu 2	

Original photos of Porkkala lighthouse copyrighted by Kati Inkinen. Thank you.

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Includes material from the free data from National land survey of Finland (Maanmittauslaitos)

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tatu@tatukantomaa.net

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