TAMIL NADU FOREST FIRE MANAGEMENT INSIGHTS AND VULNERABILITY ANALYSIS

Tamil Nadu Forest Department
State Forest Fire Control Centre

TAMIL NADU FOREST FIRE MANAGEMENT INSIGHTS AND VULNERABILITY ANALYSIS

ABOUT

This book is a concise and practical handbook that reflects Tamil Nadu's strengthened approach to forest fire preparedness through the Tamil Nadu State Forest Fire Control Centre (TNSFFCC) and its network of 34 District Forest Fire Control Centre (DFFCCs). Together, these centres form the state's unified system for monitoring, preventing, and managing forest fires across all forest divisions.

TNSFFCC functions as the central nerve-centre for statewide fire coordination—integrating fire alerts, field reports, wireless communication, vulnerability information, and division-level preparedness measures. The 34 DFFCCs act as ground-level operational units, ensuring quick response, resource mobilisation, and continuous monitoring during the fire season.

The handbook presents a clear picture of the fire situation in each division by detailing the fire alerts received over the past years, helping to identify recurring hotspots and seasonal trends. It also documents the extent of fire lines created, which reflects the preventive efforts and preparedness undertaken on the ground. The record of Large Forest Fires (LFFs) highlights significant high-impact incidents that required major response. Alongside this, the book shows the spatial fire-affected areas for each year, giving an understanding of how much forest land was impacted. Each division's vulnerability is also categorised, ranging from Very High to Very Low, enabling readers to quickly assess risk levels and priority zones.

Each division page is designed as a quick-reference snapshot, giving field staff, district centres, and state-level authorities the most important indicators required for planning and decision-making. The vulnerability assessments, fire line documentation, alert histories, and fire-affected area summaries included here help identify divisions needing priority attention and allow for better coordination among TNSFFCC and DFFCC teams.

This book serves as an operational tool for all levels of forest fire management—supporting early action, informed decision-making, and Tamil Nadu's continued commitment to protecting its forests from the increasing challenges of wildfire.

How to read this book?

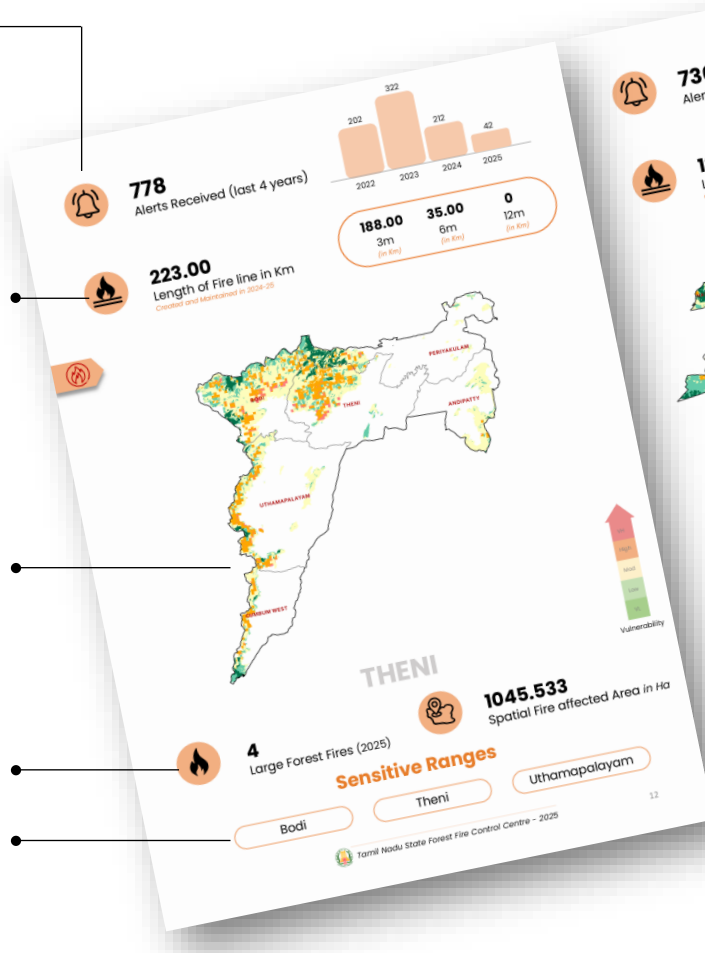
Total No of FSI Alerts received in past 4 years

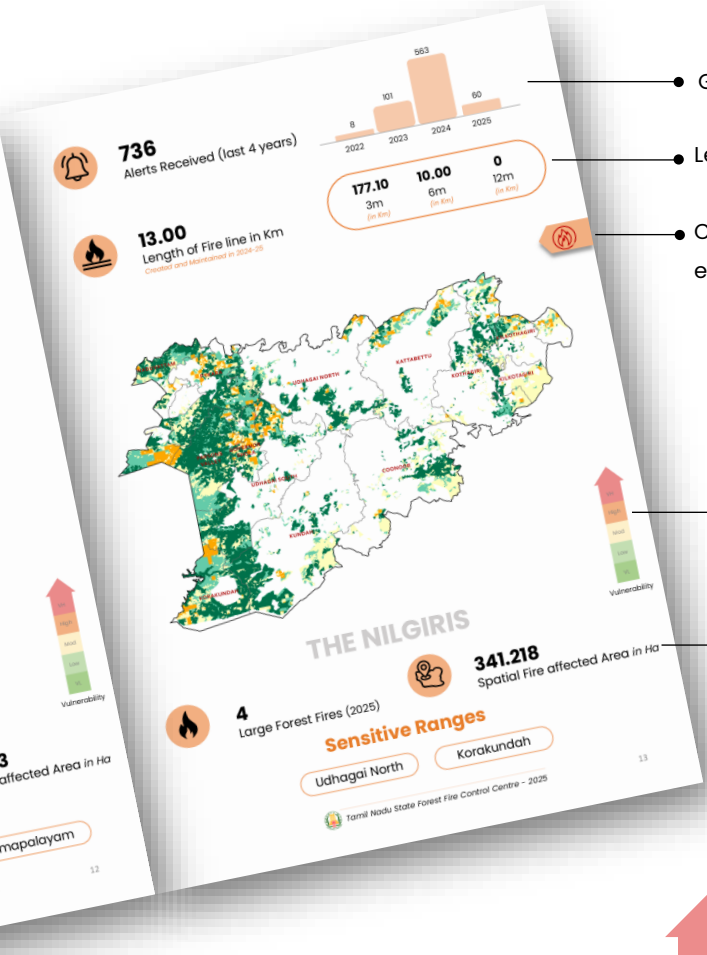
Total Length of Fire line created and maintained in 2024-25

Spatial view of forest fire vulnerable areas in each division

Total No of FSI Large Forest Fires

Sensitive Ranges in each division





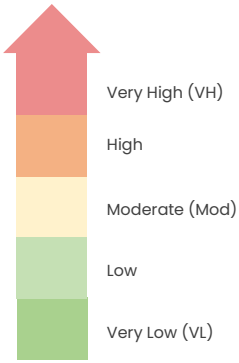
Graphical representation

Length of each type of fire line

Color coded chapter tabs for easy navigation

Vulnerability Scale

Spatial Fire affected Area calculated using Remote Sensing and GIS



Vulnerability Scale

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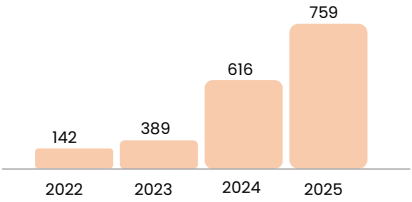
01 High Priority Divisions 11-22

02 Moderate Priority Divisions 23-36

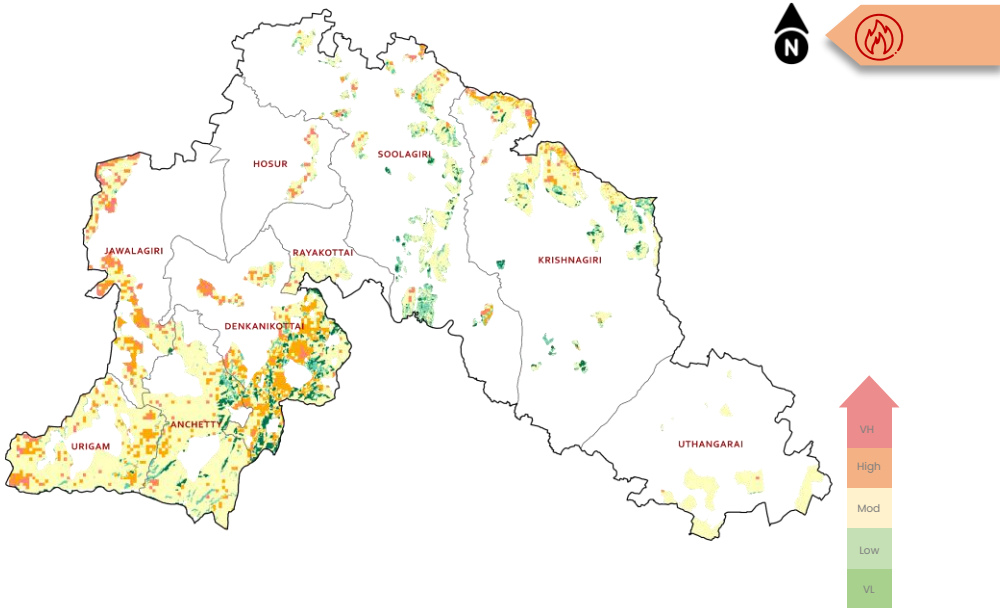
03 Low Priority Divisions 37-55

1906
FSI Alerts Received (past 4 years)



563.46
Length of Fire line in Km
Created and Maintained (2024-25)

427.59	135.87	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



HOSUR

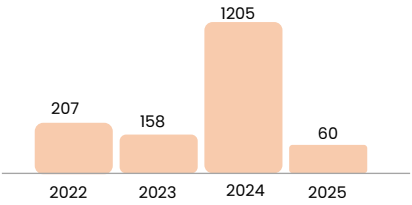
41
Large Forest Fires (2025)

7862.414 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 7

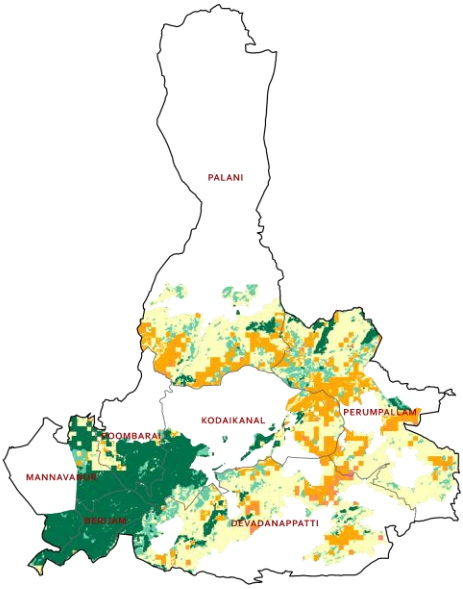
Denkanikottai, Anchetty, Urigam, Jawalagiri, Hosur, Krishnagiri, Rayakottai

1630
FSI Alerts Received (past 4 years)



135.15
Length of Fire line in Km
Created and Maintained (2024-25)

123.15	12.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



KODAIKANAL

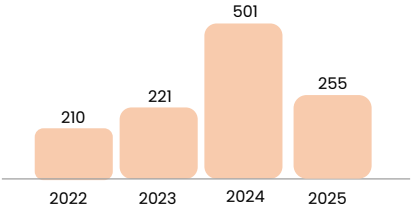
5
Large Forest Fires (2025)

630.741 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 5

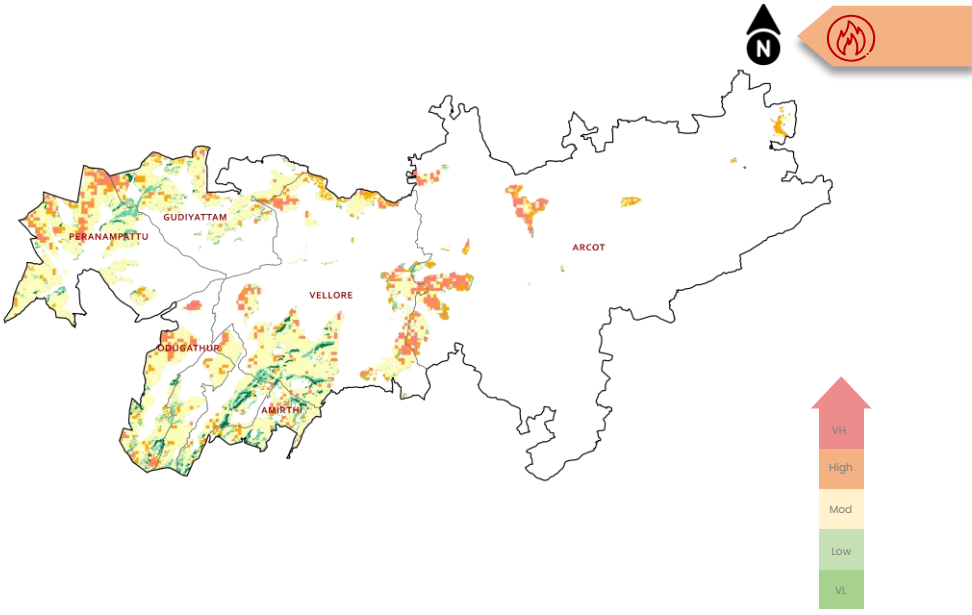
Devadanappatti, Kodaikanal, Palani, Perumpallam, Poombarai

1187
FSI Alerts Received (past 4 years)



20.84
Length of Fire line in Km
Created and Maintained (2024-25)

11.00	9.84	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



VELLORE

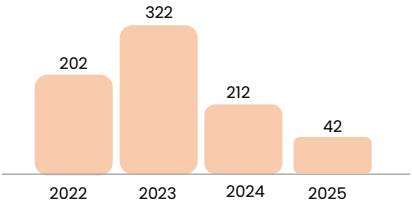
21
Large Forest Fires (2025)

4022.382 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 4

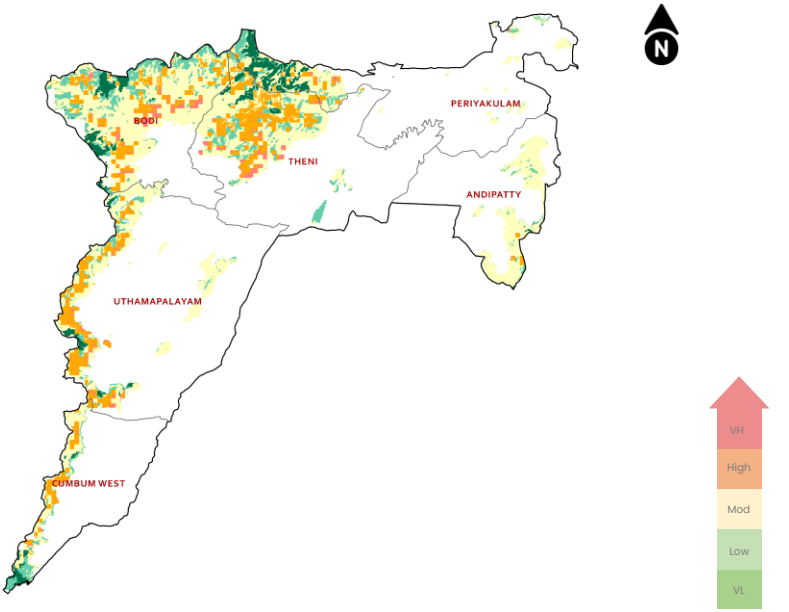
Gudiyattam, Odugathur, Arcot, Vellore

778
FSI Alerts Received (past 4 years)



223.00
Length of Fire line in Km
Created and Maintained (2024-25)

188.00	35.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



THENI

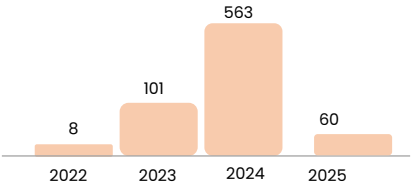
4
Large Forest Fires (2025)

1045.533 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 3

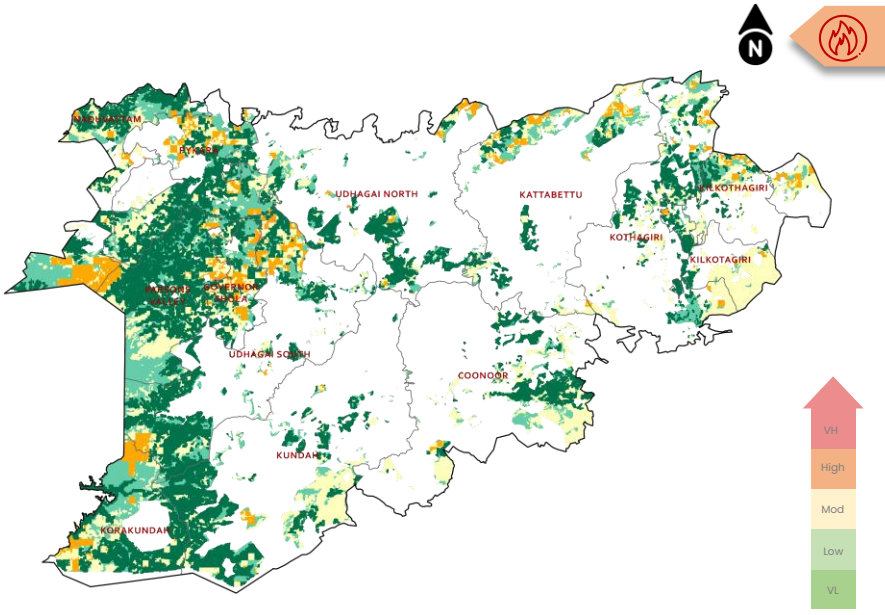
Bodi, Theni, Uthamapalayam

736
FSI Alerts Received (past 4 years)



13.00
Length of Fire line in Km
Created and Maintained (2024-25)

177.10	10.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



THE NILGIRIS

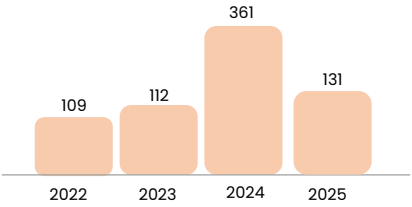
4
Large Forest Fires (2025)

341.218 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 4

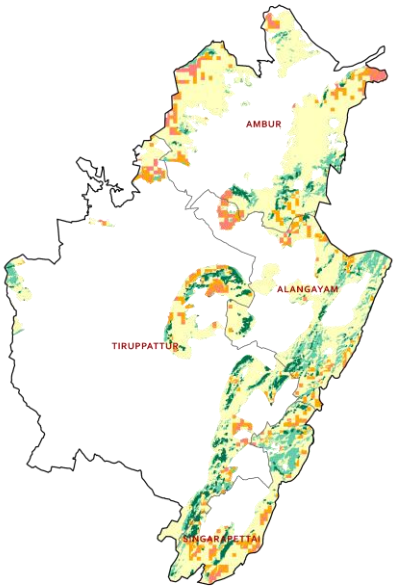
Udhagai North, Korakundah, Naduvattam, Pykara

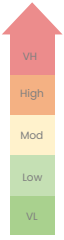
713
FSI Alerts Received (past 4 years)



439.90
Length of Fire line in Km
Created and Maintained (2024-25)

365.28	52.42	22.20
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

TIRUPPATTUR

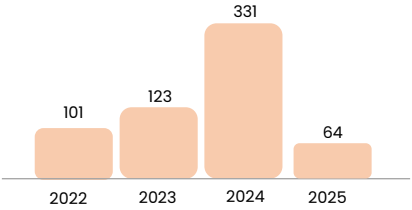
11
Large Forest Fires (2025)

690.985 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 4

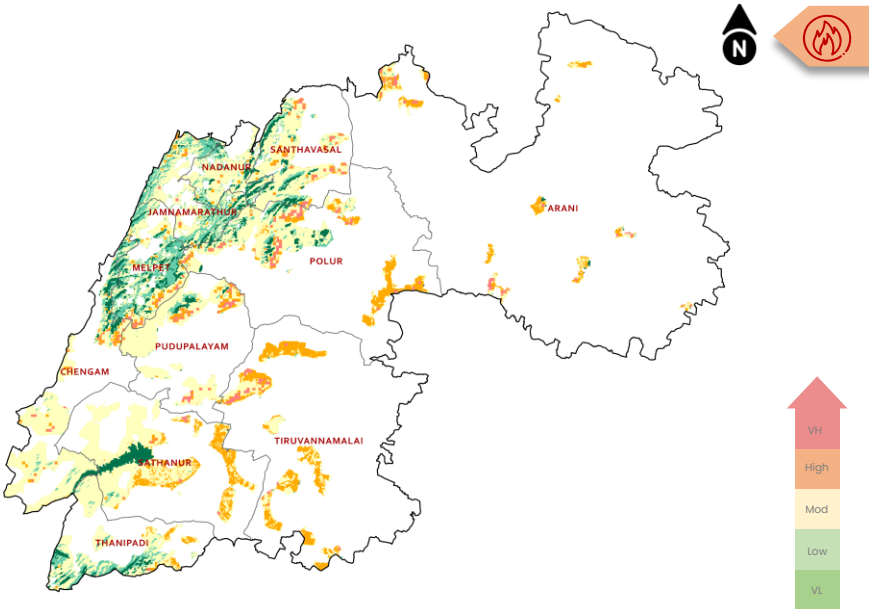
Ambur, Tiruppattur, Alangayam, Singarapettai

619
FSI Alerts Received (past 4 years)



647.40
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
531.00 *(in Km)*	**116.40** *(in Km)*	**0** *(in Km)*



TIRUVANNAMALAI

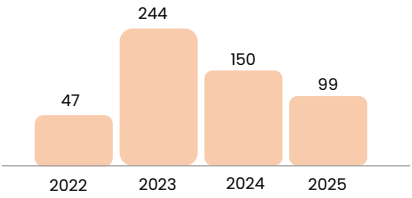
2
Large Forest Fires (2025)

114.818 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 9

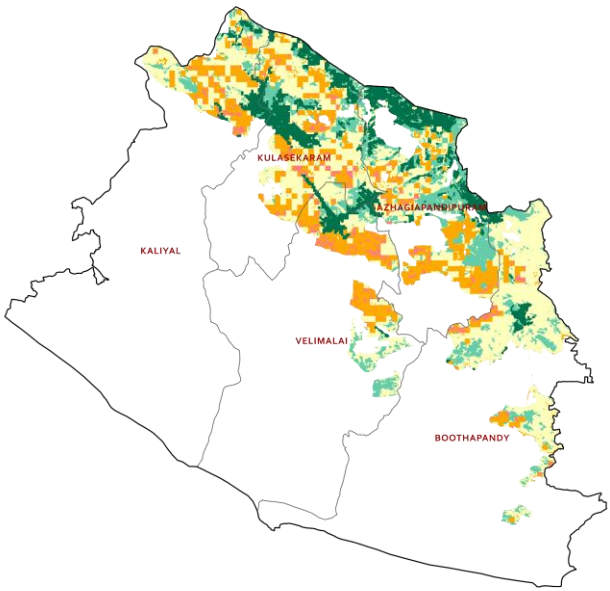
Polur, Chengam, Arani, Pudupalayam, Tiruvannamalai, Melpet, Santhavasal, Sathanur, Thanipadi

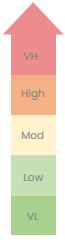
540
FSI Alerts Received (past 4 years)



29.40
Length of Fire line in Km
Created and Maintained (2024-25)

24.40	5.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

KANYAKUMARI

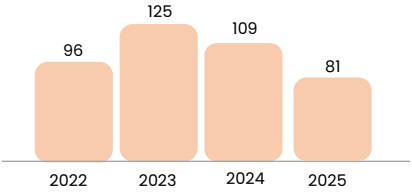
8
Large Forest Fires (2025)

335.572 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 4

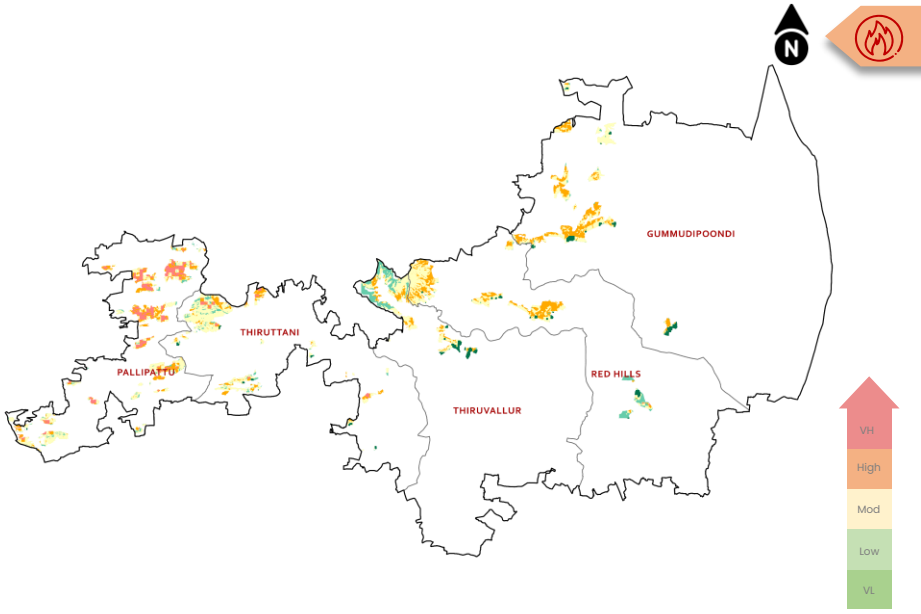
Azhagiapandipuram, Kaliyal, Kulasekaram, Velimalai

411
FSI Alerts Received (past 4 years)



170.30
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	10m
124.30 *(in Km)*	36.00 *(in Km)*	10.00 *(in Km)*



TIRUVALLUR

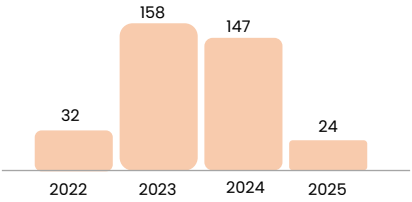
5
Large Forest Fires (2025)

285.504 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

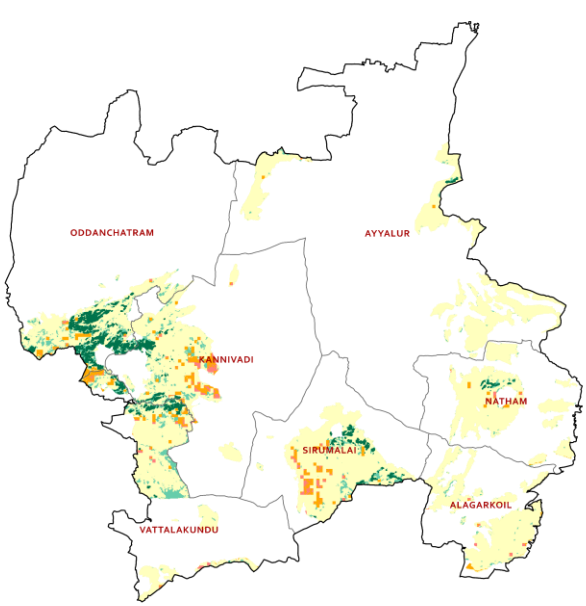
Pallipattu, Thirutani

361
FSI Alerts Received (past 4 years)



286.00
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
286.00	0	0
(in Km)	*(in Km)*	*(in Km)*



DINDIGUL

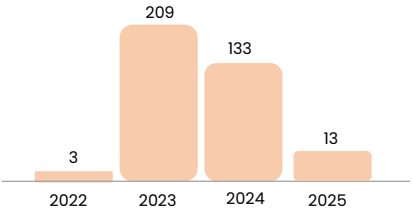
1
Large Forest Fires (2025)

169.707 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 4

Vattalakundu, Kannivadi, Sirumalai, Oddanchatram

358
FSI Alerts Received (past 4 years)



623.25
Length of Fire line in Km
Created and Maintained (2024-25)

304.40	268.85	50.00
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



WL ATR TIRUPPUR

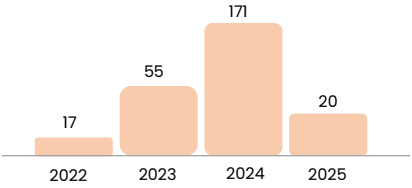
1
Large Forest Fires (2025)

1439.171 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

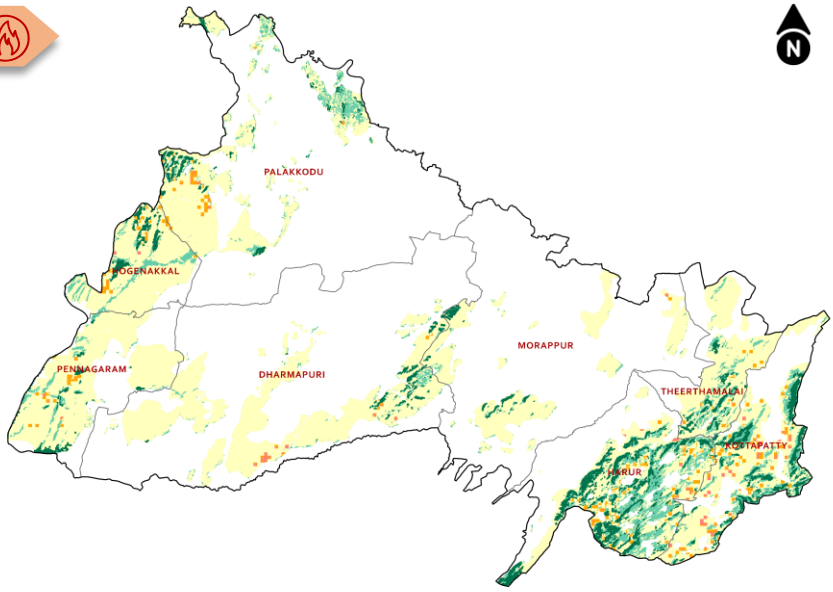
Udumalaipettai, Amaravathi

263
FSI Alerts Received (past 4 years)



512.76
Length of Fire line in Km
Created and Maintained (2024-25)

490.20	22.56	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



DHARMAPURI

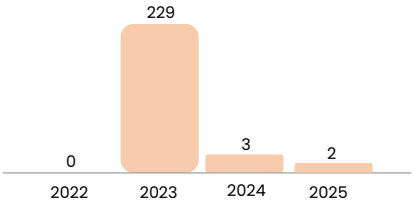
1
Large Forest Fires (2025)

250.397 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

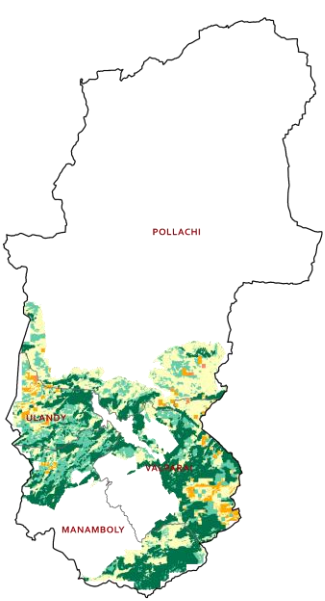
Hogenakkal, Palakkodu

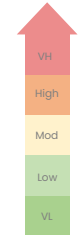
234
FSI Alerts Received (past 4 years)



379.56
Length of Fire line in Km
Created and Maintained (2024-25)

203.52	105.04	71.00
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

WL ATR POLLACHI

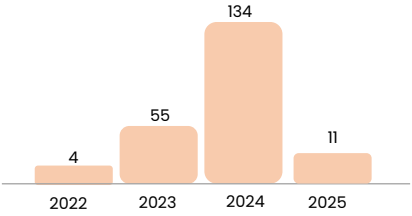
0
Large Forest Fires (2025)

881.255 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

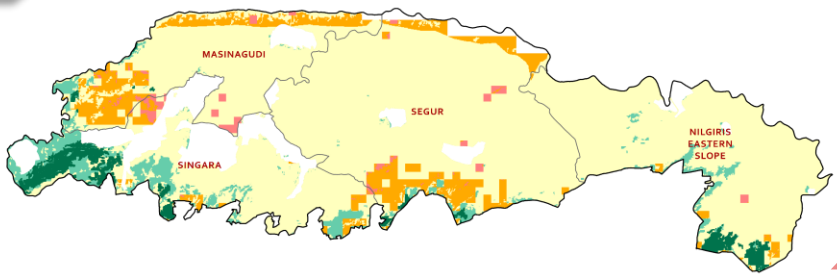
Valparai

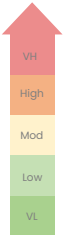
204
FSI Alerts Received (past 4 years)



265.70
Length of Fire line in Km
Created and Maintained (2024-25)

0	265.70	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

WL MTR MASINAGUDI

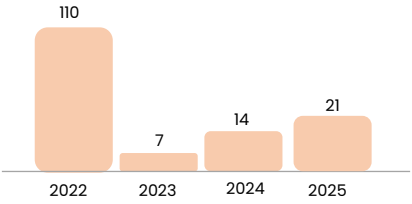
1
Large Forest Fires (2025)

79.299 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

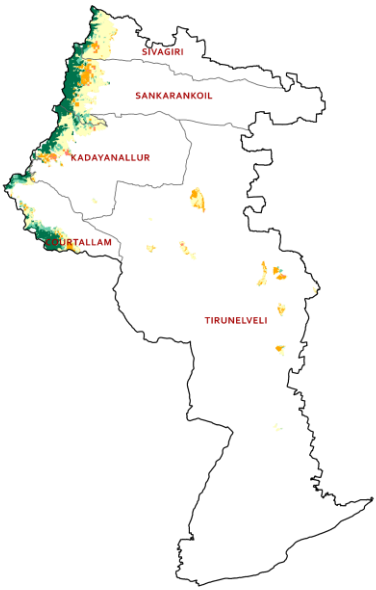
Masinagudi

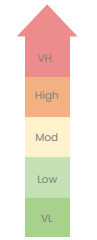
152
FSI Alerts Received (past 4 years)



0
Length of Fire line in Km
Created and Maintained (2024-25)

0	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





TIRUNELVELI

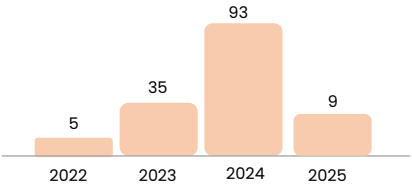
2
Large Forest Fires (2025)

100.946 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

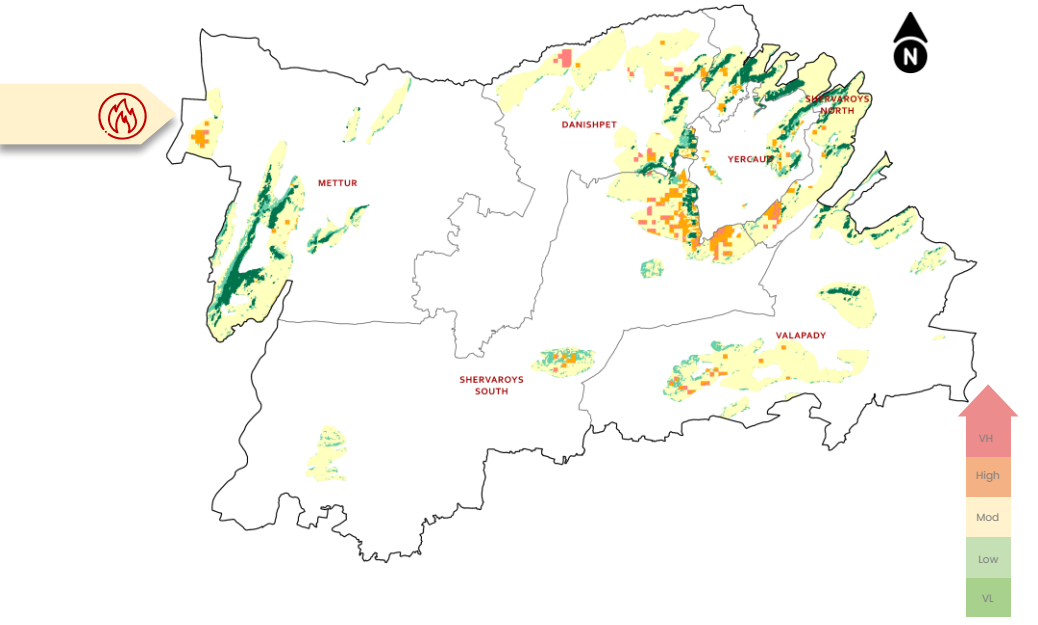
Kadayanallur, Courtallam

142
FSI Alerts Received (past 4 years)



234.90
Length of Fire line in Km
Created and Maintained (2024-25)

221.10	13.80	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



SALEM

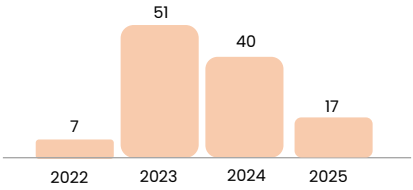
0
Large Forest Fires (2025)

271.901 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

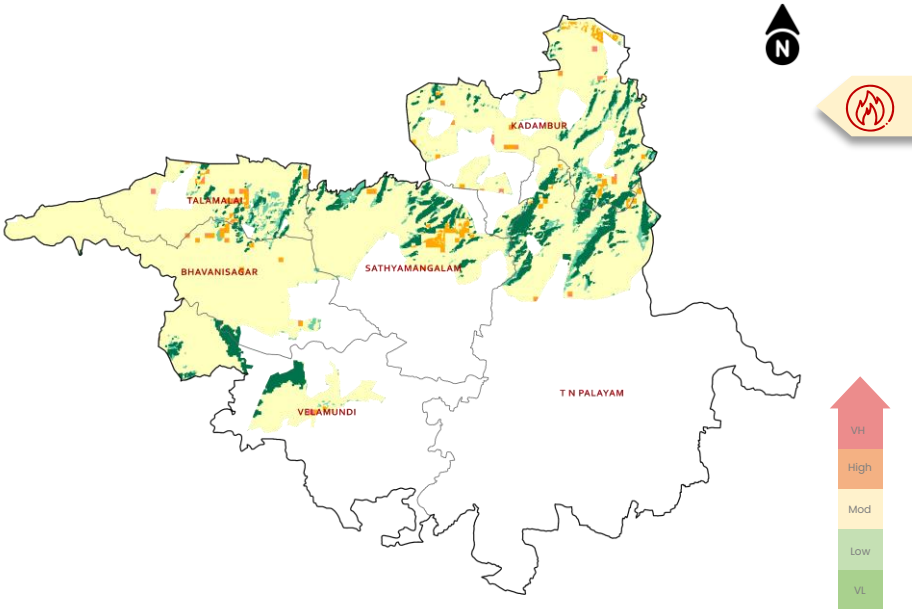
Shervaroys South, Shervaroys North

115
FSI Alerts Received (past 4 years)



338.03
Length of Fire line in Km
Created and Maintained (2024-25)

278.53	49.50	10.00
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



WL STR SATHY

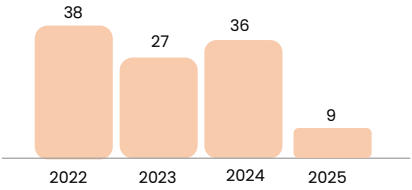
1
Large Forest Fires (2025)

67.920 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

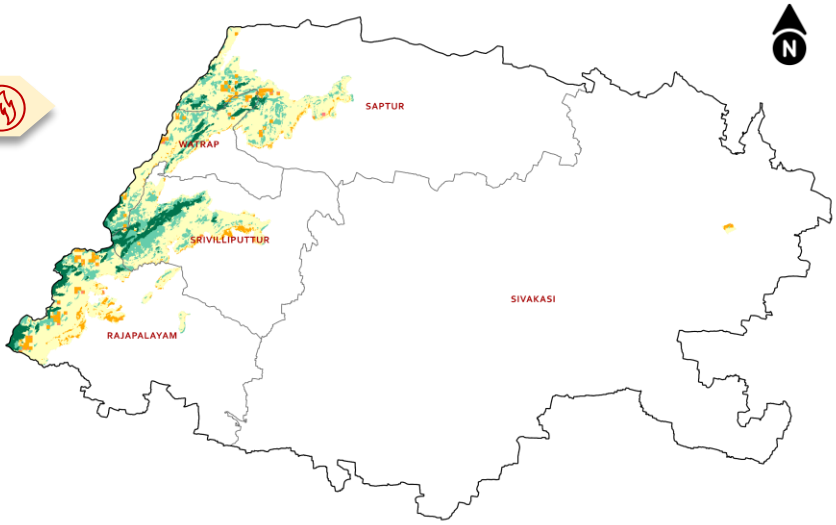
Sathyamangalam, T N Palayam

110
FSI Alerts Received (past 4 years)



176.80
Length of Fire line in Km
Created and Maintained (2024-25)

176.80	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



WL SRIVILLIPUTTUR

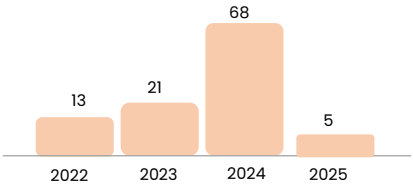
0
Large Forest Fires (2025)

428.456 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

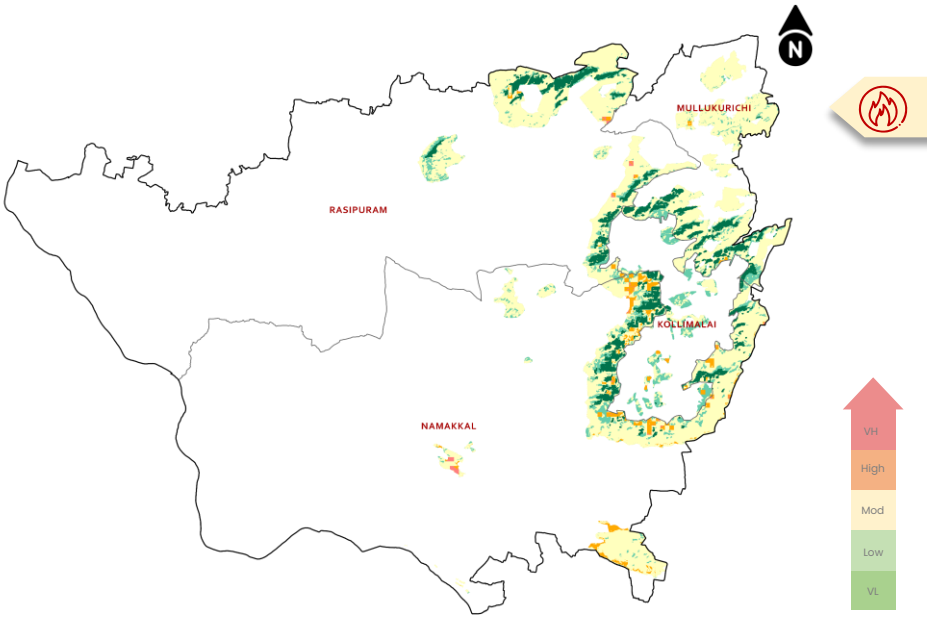
Srivilliputtur, Rajapalayam

107
FSI Alerts Received (past 4 years)



247.24
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
212.95 *(in Km)*	**34.29** *(in Km)*	**0** *(in Km)*



NAMAKKAL

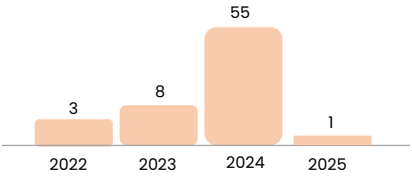
0
Large Forest Fires (2025)

360.590 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

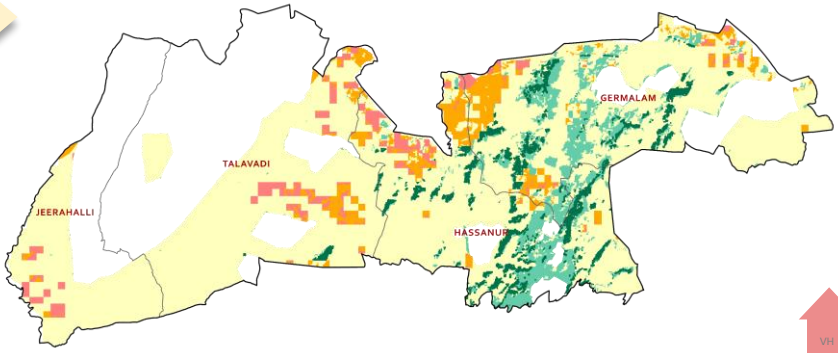
Namakkal

67
FSI Alerts Received (past 4 years)



241.18
Length of Fire line in Km
Created and Maintained (2024-25)

187.80	23.38	30.00
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



WL STR HASSANUR

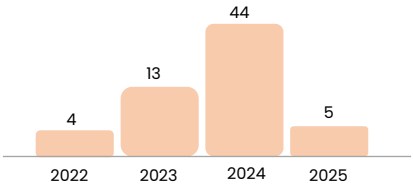
0
Large Forest Fires (2025)

29.133 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

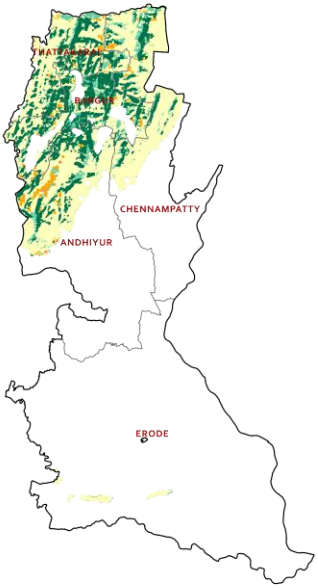
Hassanur

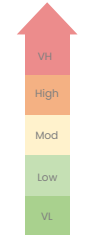
66
FSI Alerts Received (past 4 years)



242.10
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
217.60	**24.50**	**0**
(in Km)	*(in Km)*	*(in Km)*





Vulnerability

ERODE

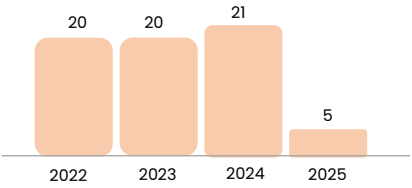
0
Large Forest Fires (2025)

49.820 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

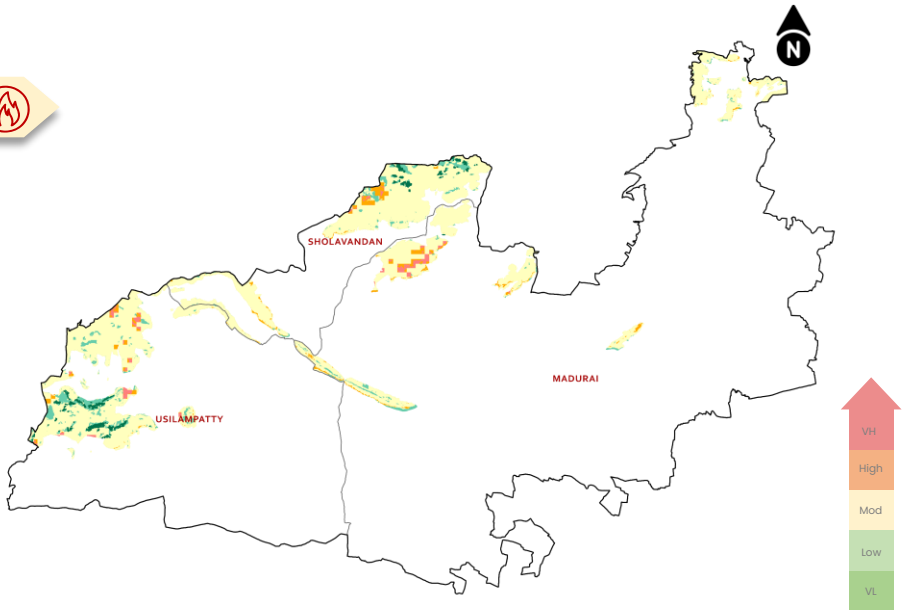
Andhiyur

66
FSI Alerts Received (past 4 years)



55.00
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
55.00 *(in Km)*	**0** *(in Km)*	**0** *(in Km)*



MADURAI

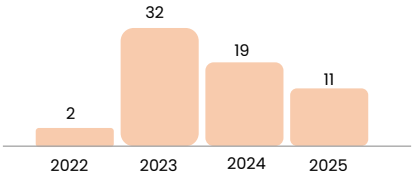
0
Large Forest Fires (2025)

52.570 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

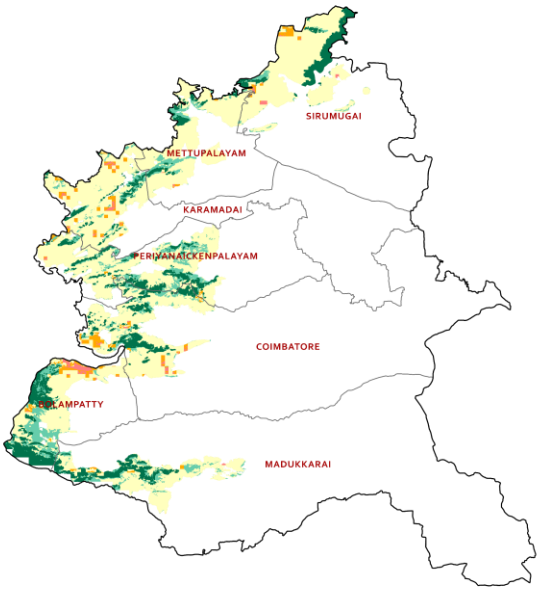
Usilampatty, Sholavandan

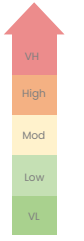
64
FSI Alerts Received (past 4 years)



427.20
Length of Fire line in Km
Created and Maintained (2024-25)

420.20	0	7.00
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

COIMBATORE

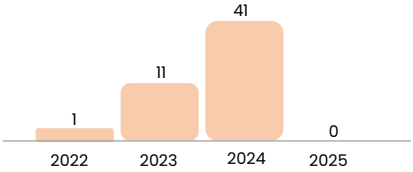
1
Large Forest Fires (2025)

120.538 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

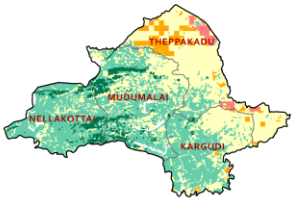
Bolampatty

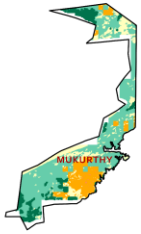
53
FSI Alerts Received (past 4 years)

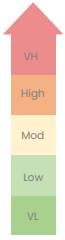


210.00
Length of Fire line in Km
Created and Maintained (2024-25)

0	210.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*







Vulnerability

WL MTR UDHAGAI

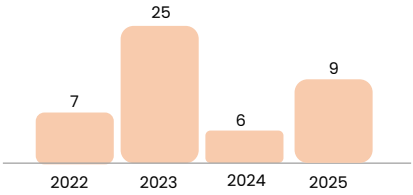
0
Large Forest Fires (2025)

54.738 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

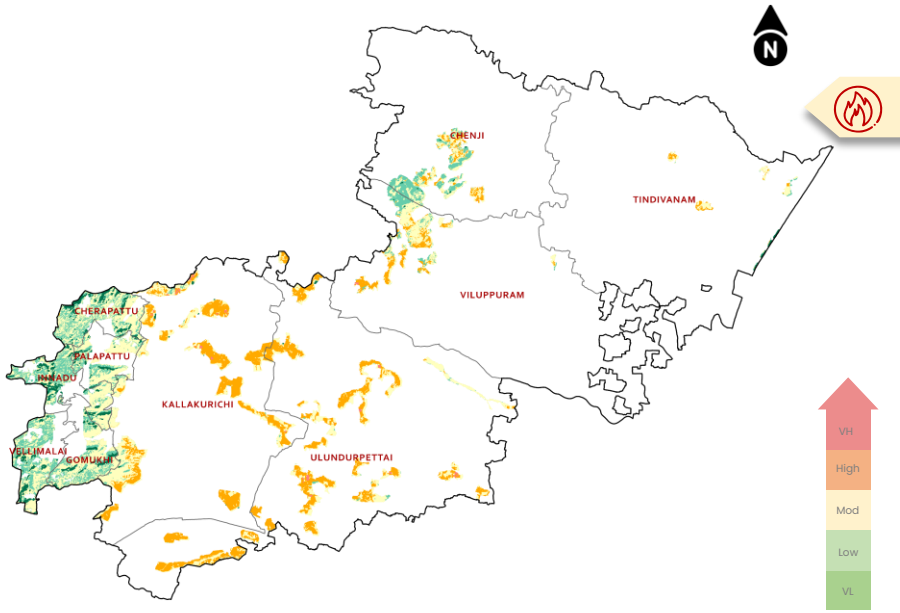
Theppakadu, Mukurthy

47
FSI Alerts Received (past 4 years)



105.00
Length of Fire line in Km
Created and Maintained (2024-25)

105.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



VILLUPURAM

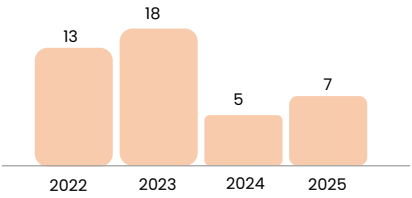
0
Large Forest Fires (2025)

58.974 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

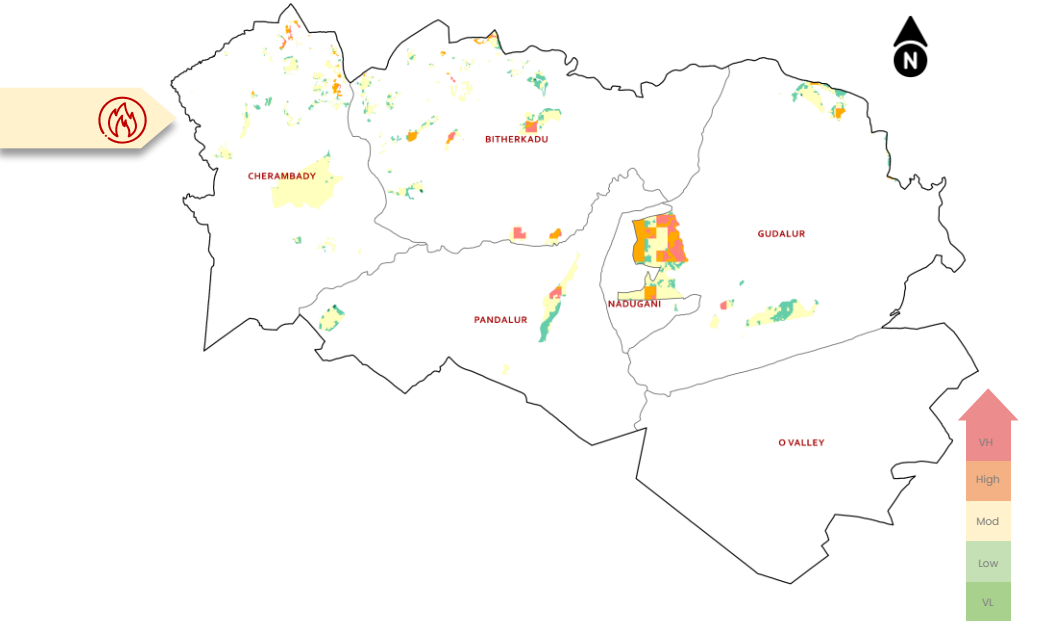
Ulundurpettai, Kallakurichi

43
FSI Alerts Received (past 4 years)



605.50
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
510.00	**70.00**	**25.50**
(in Km)	*(in Km)*	*(in Km)*



GUDALUR

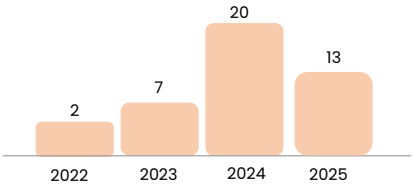
0
Large Forest Fires (2025)

65.140 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

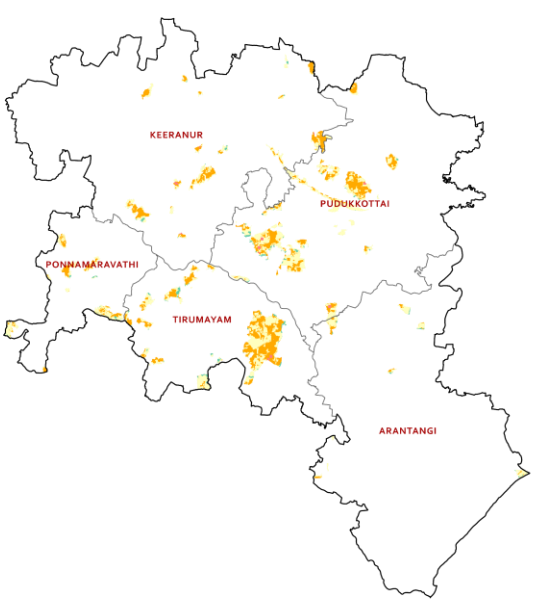
Bitherkadu, Gudalur

42
FSI Alerts Received (past 4 years)



8.00
Length of Fire line in Km
Created and Maintained (2024-25)

8.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



PUDUKKOTTAI

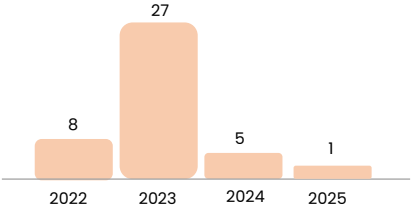
0
Large Forest Fires (2025)

125.940 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

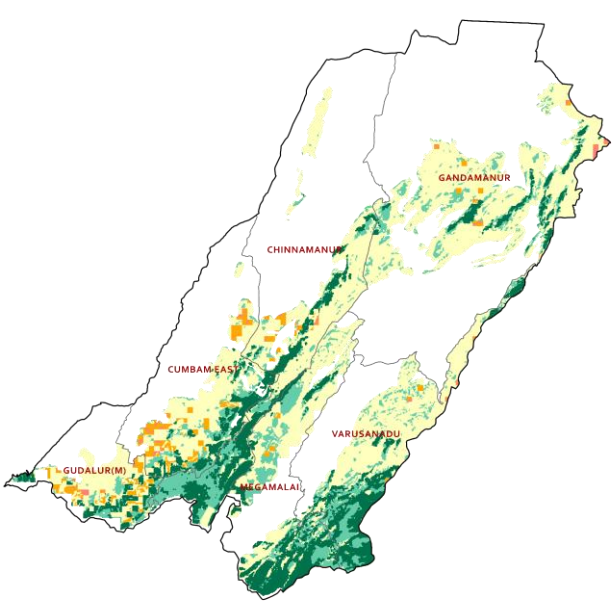
Pudukkottai

41
FSI Alerts Received (past 4 years)



140.84
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
110.10 *(in Km)*	**30.74** *(in Km)*	**0** *(in Km)*



WL MEGAMALAI

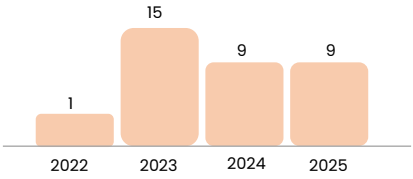
0
Large Forest Fires (2025)

85.868 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 2

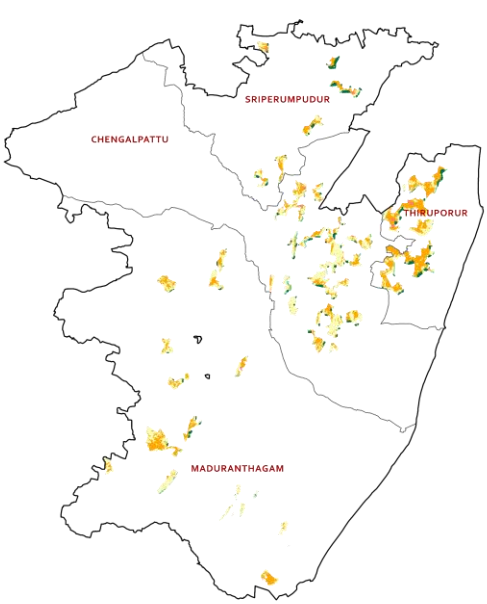
Cumbum East, Varusanadu

34
FSI Alerts Received (past 4 years)



4.40
Length of Fire line in Km
Created and Maintained (2024-25)

4.40	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





CHENGALPATTU

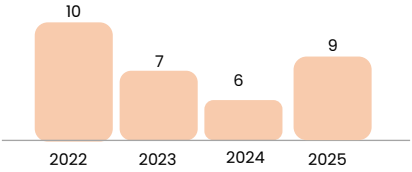
0
Large Forest Fires (2025)

0.788 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 3

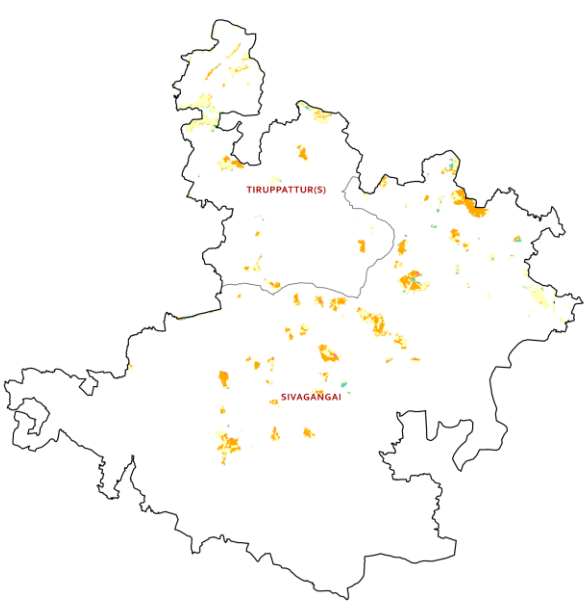
Tambaram, Madurantagam, Thiruporur

32
FSI Alerts Received (past 4 years)



0
Length of Fire line in Km
Created and Maintained (2024-25)

0	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



SIVAGANGAI

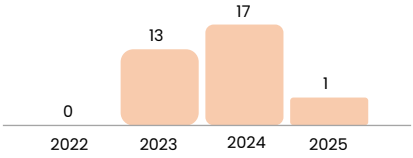
0
Large Forest Fires (2025)

137.400 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 1

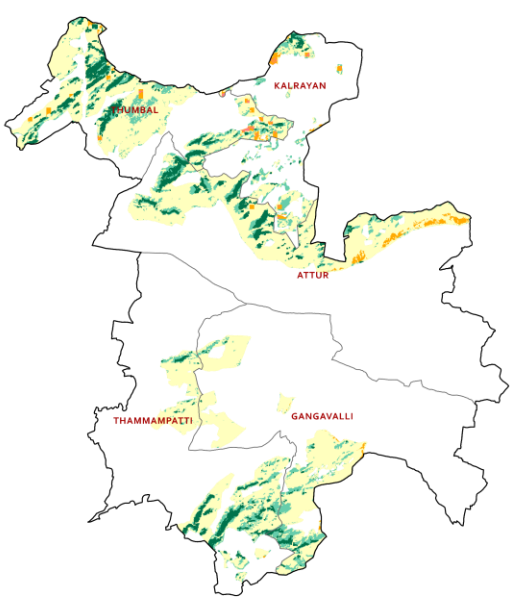
Tiruppattur(S)

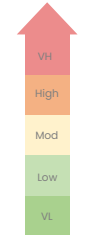
31
FSI Alerts Received (past 4 years)



187.10
Length of Fire line in Km
Created and Maintained (2024-25)

177.10	10.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





Vulnerability

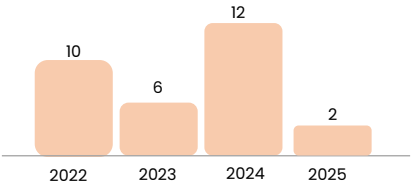
ATTUR

0
Large Forest Fires (2025)

0.145 *in Ha*
Spatial Fire affected Area

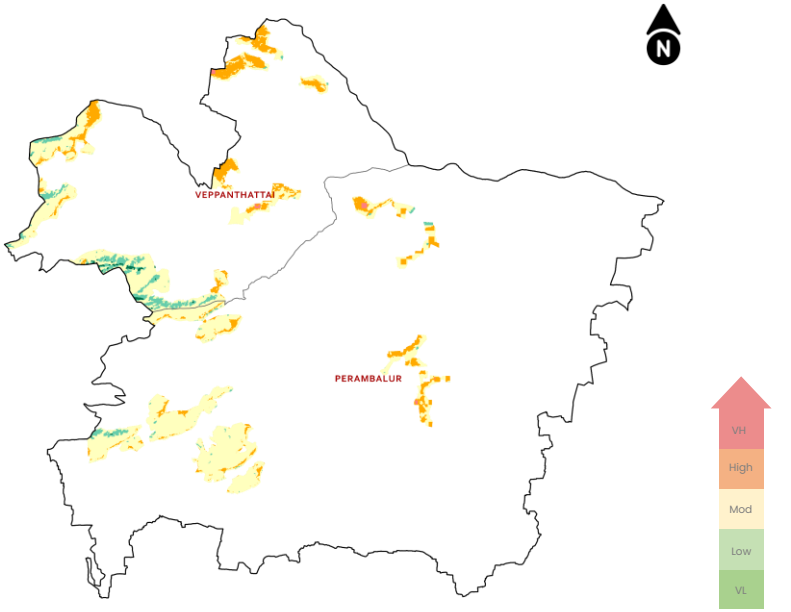
Sensitive Ranges - 0

30
FSI Alerts Received (past 4 years)



75.00
Length of Fire line in Km
Created and Maintained (2024-25)

75.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



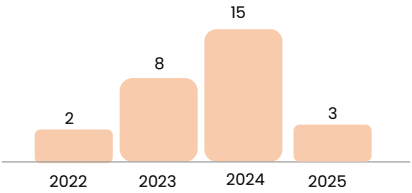
PERAMBALUR

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

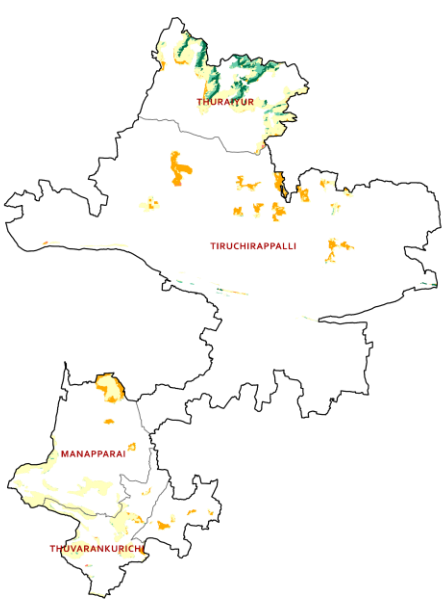
Sensitive Ranges - 0

28
FSI Alerts Received (past 4 years)



175.00
Length of Fire line in Km
Created and Maintained (2024-25)

170.00	5.00	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



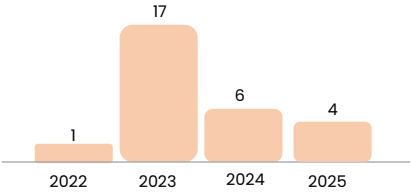
TIRUCHIRAPPALLI

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

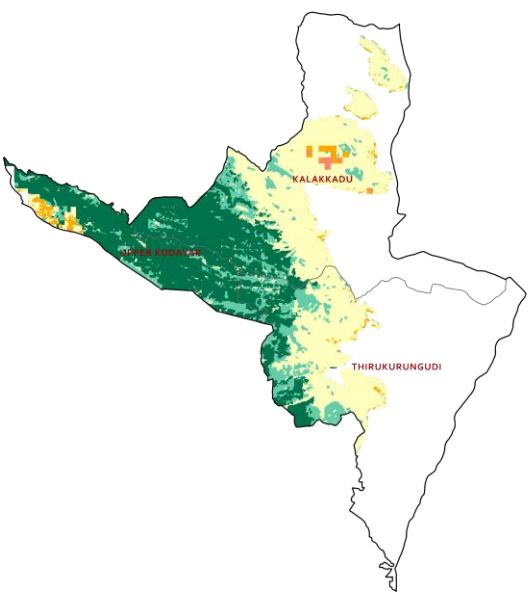
Sensitive Ranges - 0

28
FSI Alerts Received (past 4 years)



60.90
Length of Fire line in Km
Created and Maintained (2024-25)

56.50	4.40	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



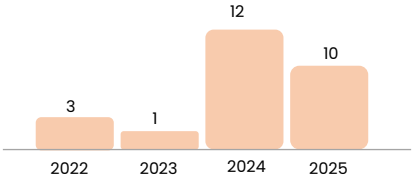
WL KMTR KALAKKADU

0
Large Forest Fires (2025)

28.228 *in Ha*
Spatial Fire affected Area

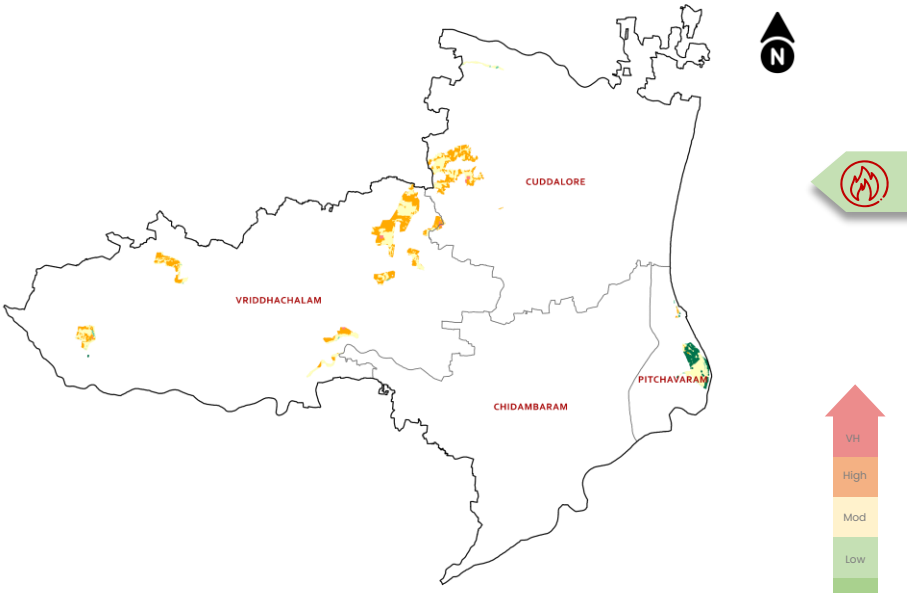
Sensitive Ranges - 0

26
FSI Alerts Received (past 4 years)



165.00
Length of Fire line in Km
Created and Maintained (2024-25)

165.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



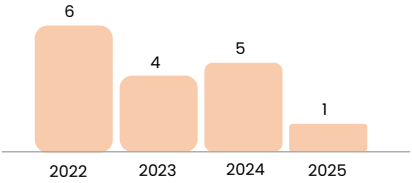
CUDDALORE

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

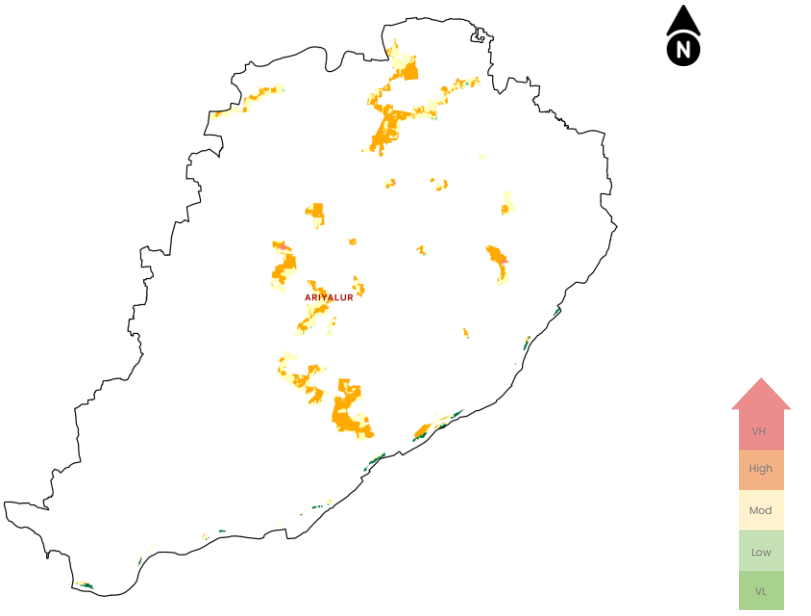
Sensitive Ranges - 0

16
FSI Alerts Received (past 4 years)



20.08
Length of Fire line in Km
Created and Maintained (2024-25)

20.08	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



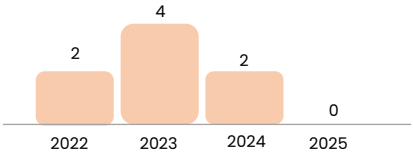
ARIYALUR

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

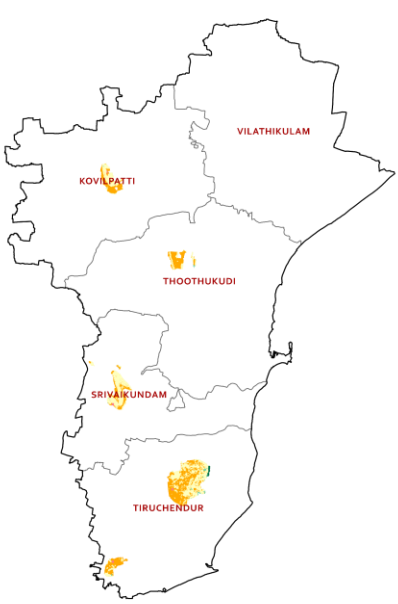
Sensitive Ranges - 0

8
FSI Alerts Received (past 4 years)



66.00
Length of Fire line in Km
Created and Maintained (2024-25)

66.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





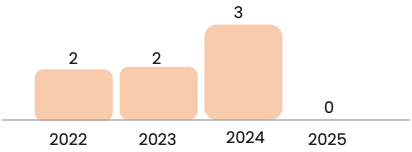
THOOTHUKUDI

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

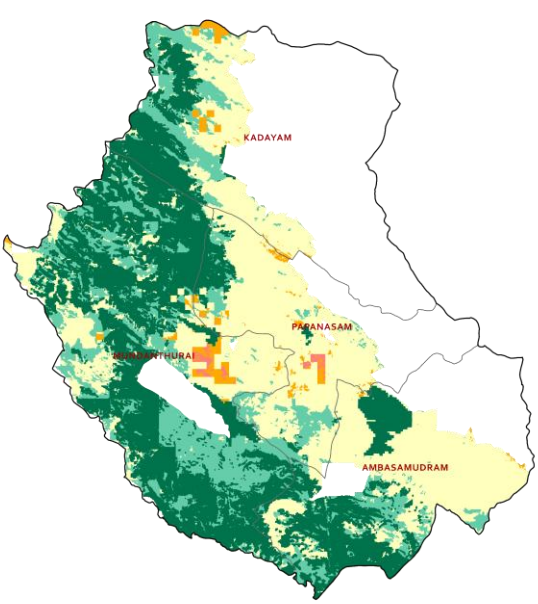
Sensitive Ranges - 0

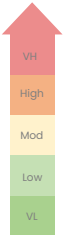
7
FSI Alerts Received (past 4 years)



120.00
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
112.00	**8.00**	**0**
(in Km)	*(in Km)*	*(in Km)*





Vulnerability

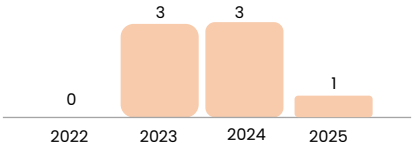
WL KMTR AMBASAMUDRAM

0
Large Forest Fires (2025)

1.654 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 0

7
FSI Alerts Received (past 4 years)



8.00
Length of Fire line in Km
Created and Maintained (2024-25)

8.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*





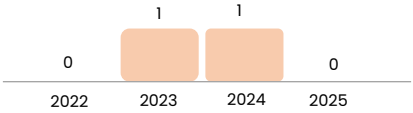
THANJAVUR

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

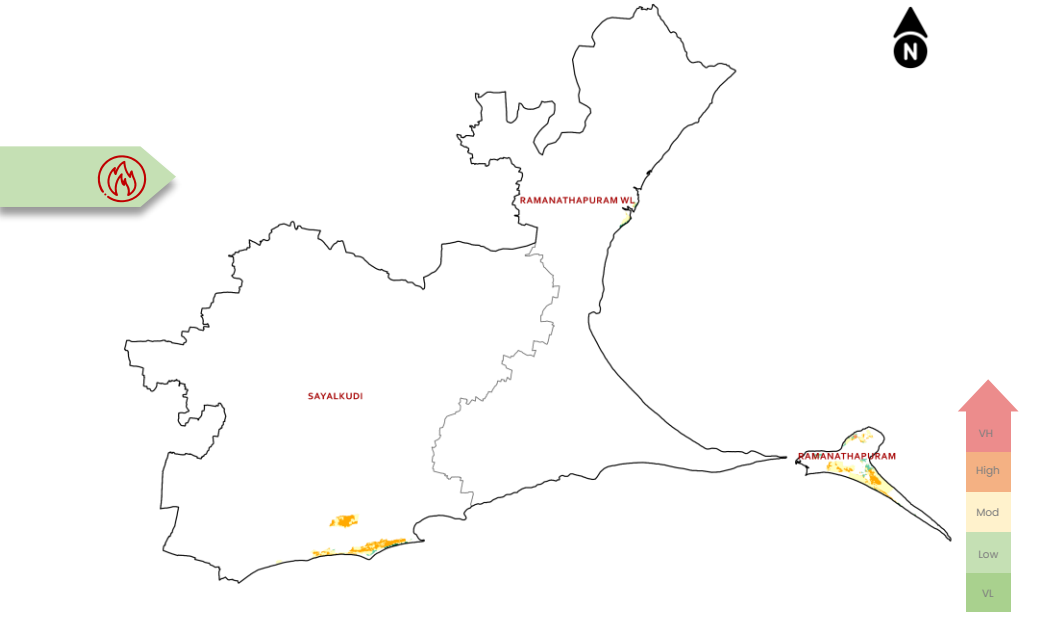
Sensitive Ranges - 0

2
FSI Alerts Received (past 4 years)



0
Length of Fire line in Km
Created and Maintained (2024-25)

0	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



RAMANATHAPURAM

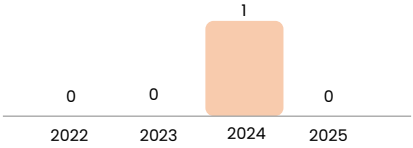
0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 0

1

FSI Alerts Received (past 4 years)

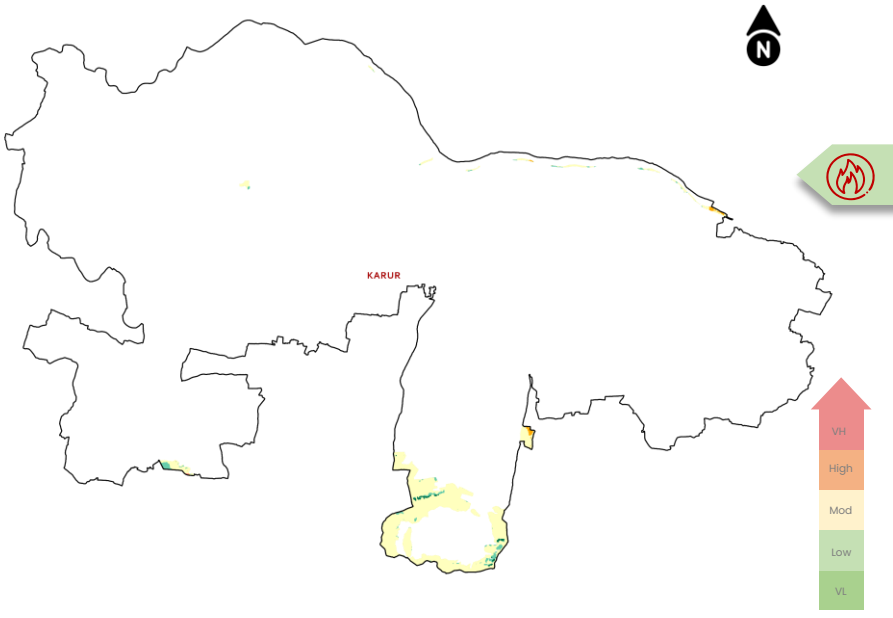


72.00

Length of Fire line in Km

Created and Maintained (2024-25)

72.00	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



KARUR

0

Large Forest Fires (2025)

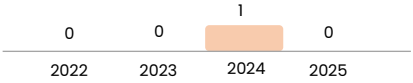
0 *in Ha*

Spatial Fire affected Area

Sensitive Ranges - 0

1

FSI Alerts Received (past 4 years)

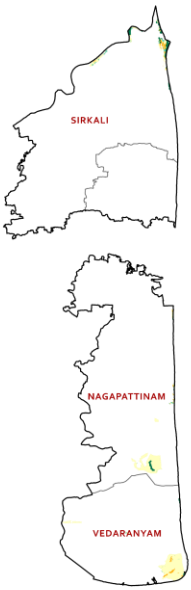


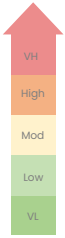
58.10

Length of Fire line in Km

Created and Maintained (2024-25)

3m	6m	12m
58.10 *(in Km)*	**0** *(in Km)*	**0** *(in Km)*





Vulnerability

WL NAGAPATTINAM

0

Large Forest Fires (2025)

0 *in Ha*

Spatial Fire affected Area

Sensitive Ranges - 0

0
FSI Alerts Received (past 4 years)

0
Length of Fire line in Km
Created and Maintained (2024-25)

3m	6m	12m
0	0	0
(in Km)	*(in Km)*	*(in Km)*



THIRUVARUR

0
Large Forest Fires (2025)

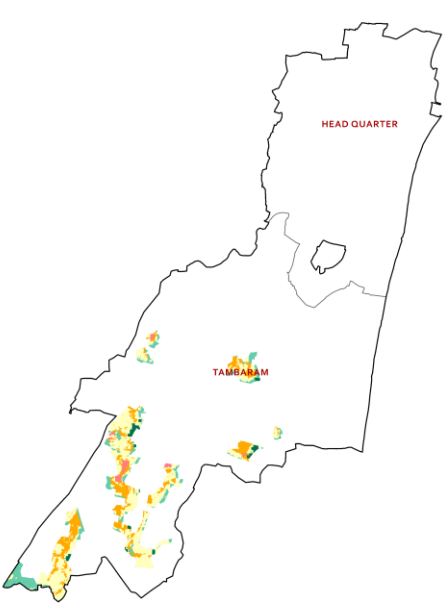
0 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 0

0
FSI Alerts Received (past 4 years)

9.50
Length of Fire line in Km
Created and Maintained (2024-25)

0.90	8.60	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



CHENNAI

0
Large Forest Fires (2025)

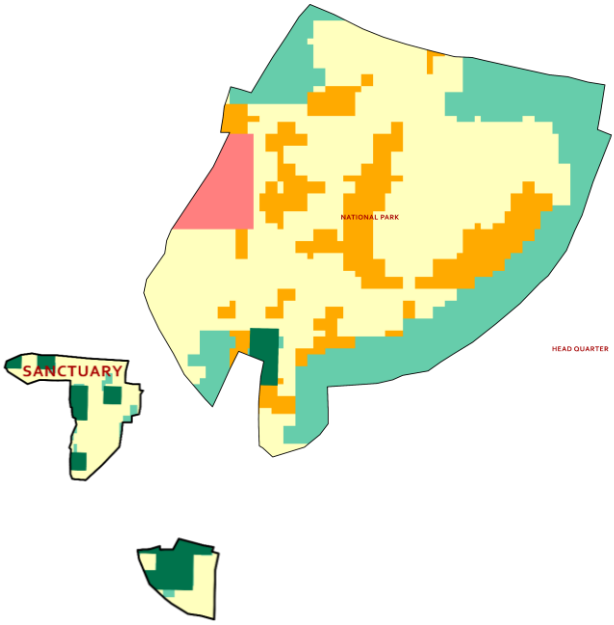
0 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 0

0
FSI Alerts Received (past 4 years)

0
Length of Fire line in Km
Created and Maintained (2024-25)

0	0	0
3m *(in Km)*	6m *(in Km)*	12m *(in Km)*



WL CHENNAI

0
Large Forest Fires (2025)

0 *in Ha*
Spatial Fire affected Area

Sensitive Ranges - 0

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Tamil Nadu Forest Department