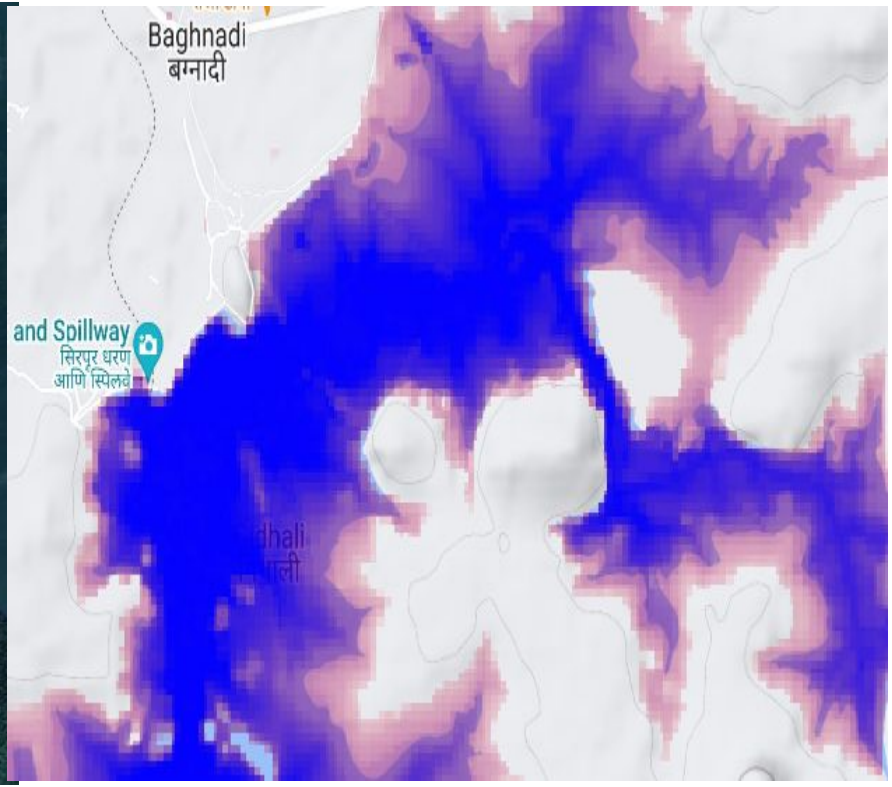
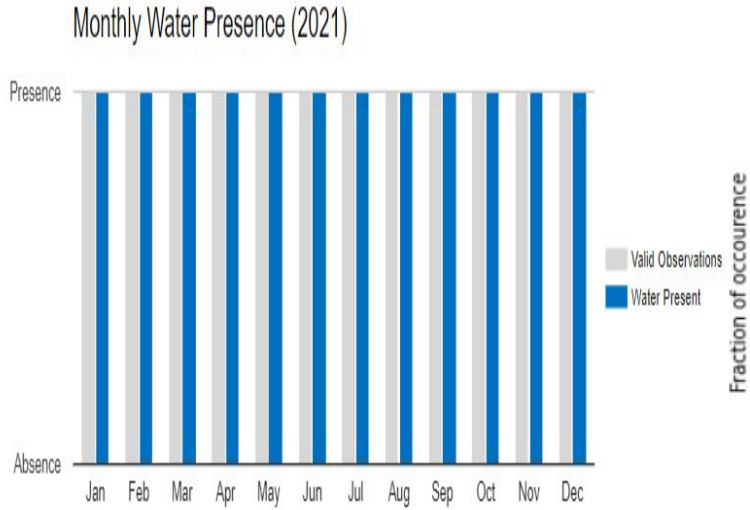
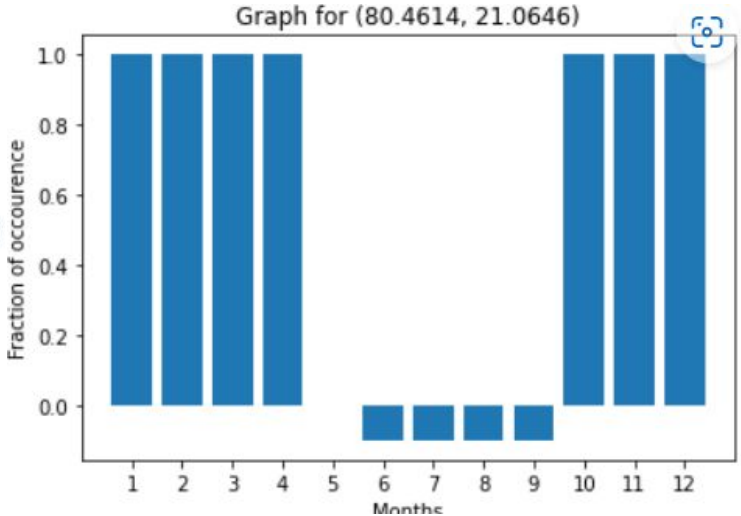
IndiaSAT and GSW

Divyansh and Sachit

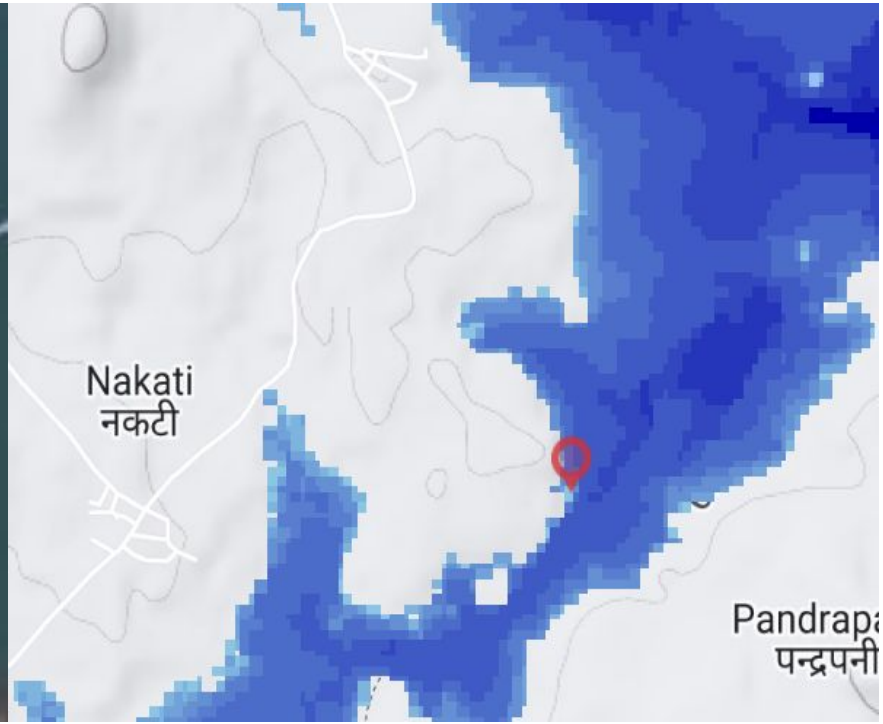
Perennial 1 - 21.0646, 80.4614

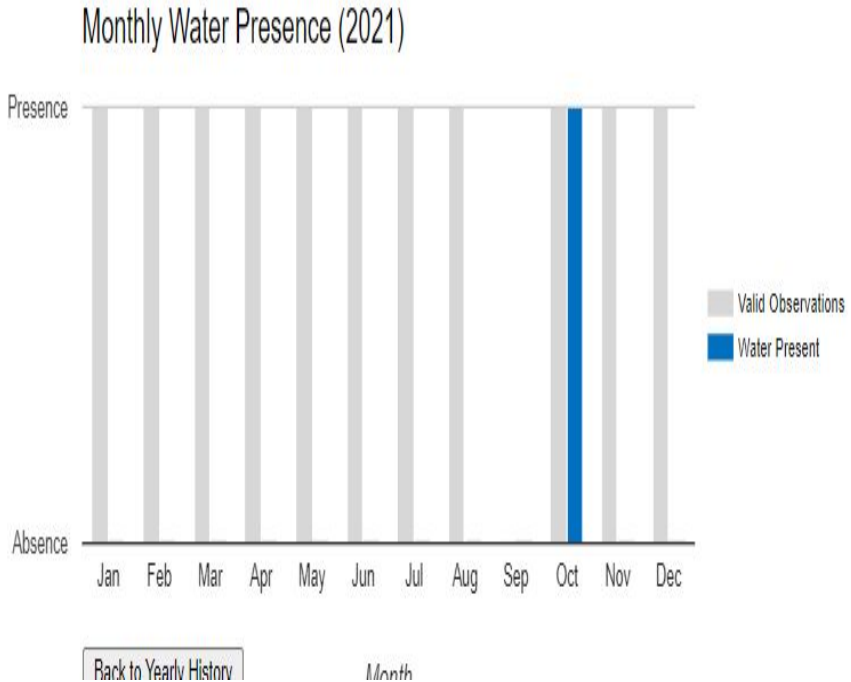


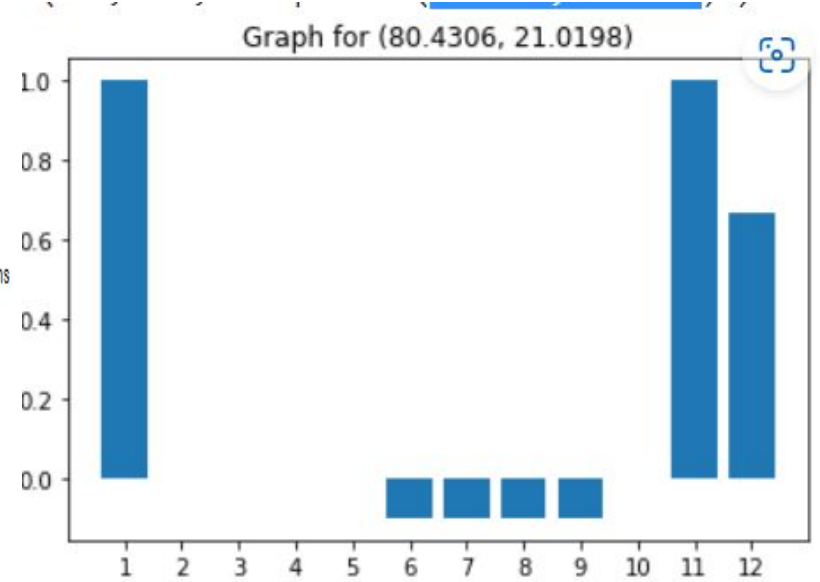

Monthly Water Presence (2021)
Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Valid Observations
Water Present


Graph for (80.4614, 21.0646)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

Seasonal 1 - 21.0198, 80.4306

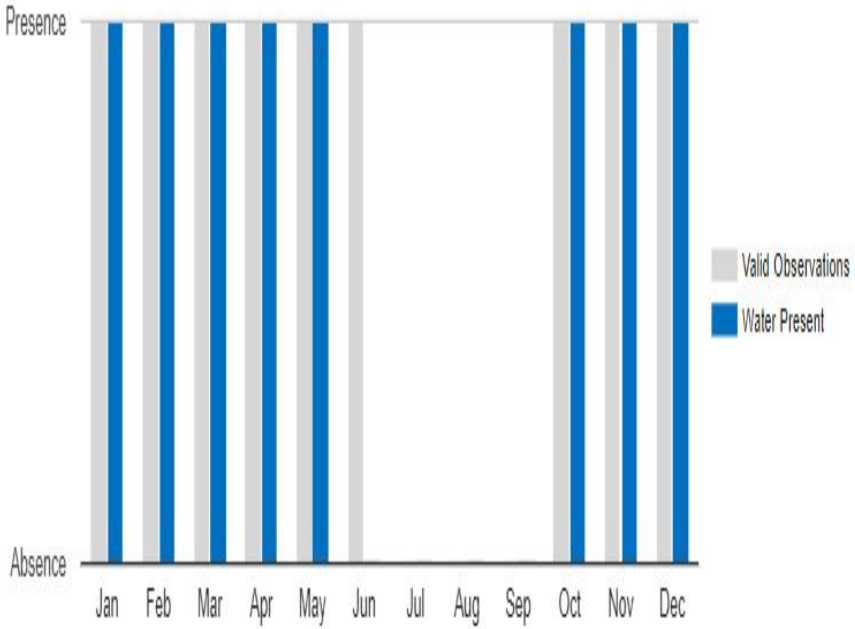


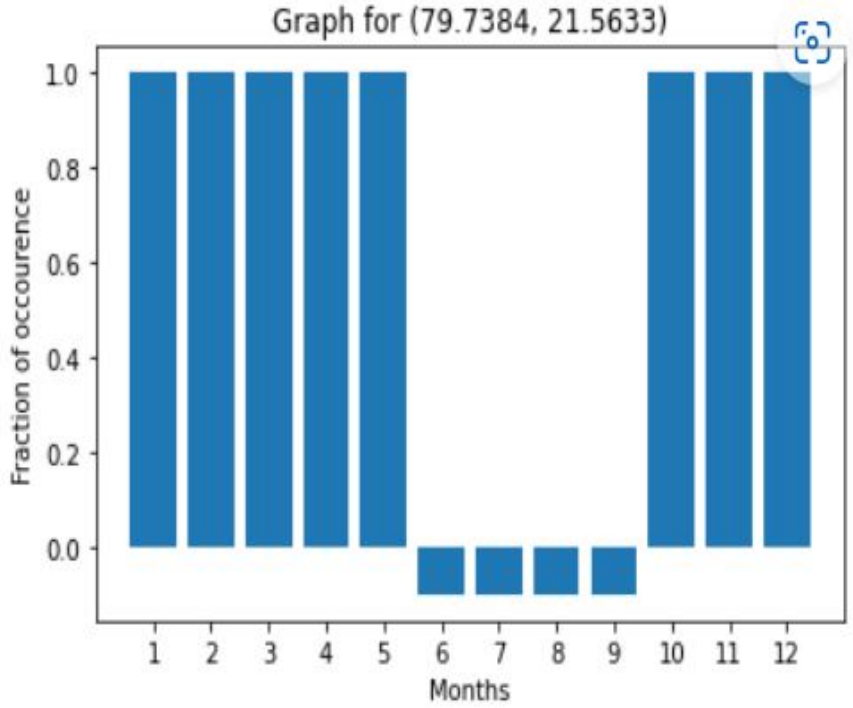

Monthly Water Presence (2021)
Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Valid Observations
Water Present
Back to Yearly History
Month


Graph for (80.4306, 21.0198)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12

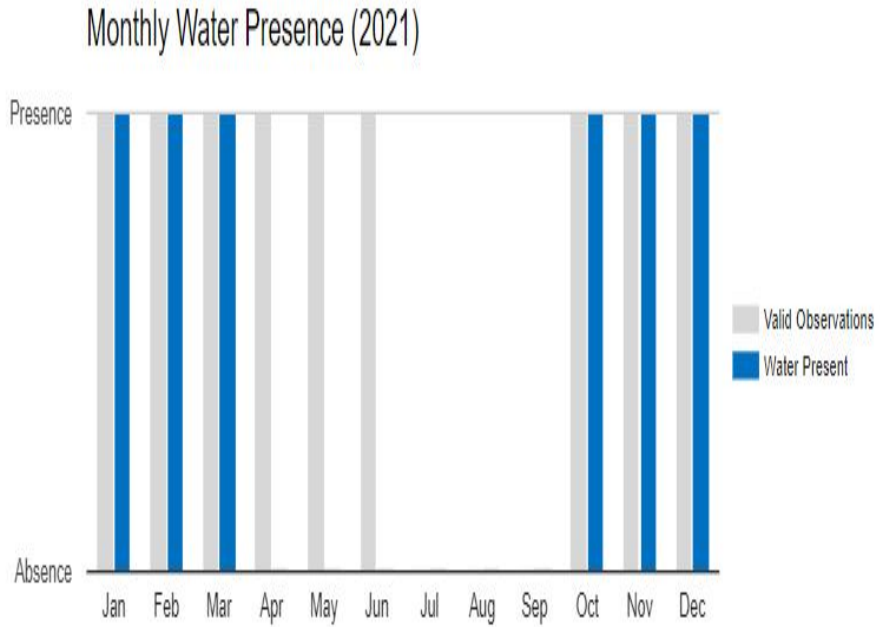
Body 1 (2 million square, 16032m2, 15397m2)

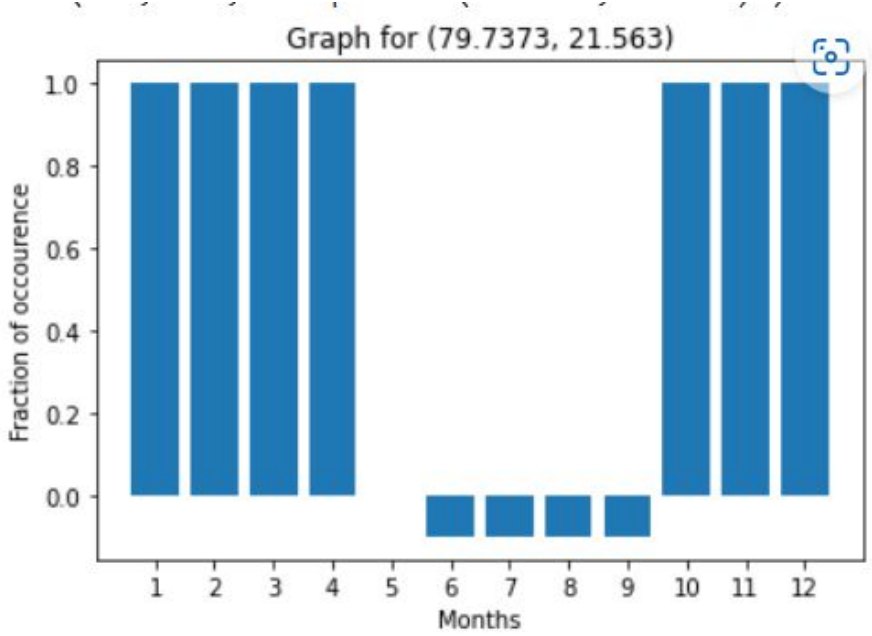
Perennial 2 - 21.5633, 79.7384


Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Valid Observations
Water Present


Graph for (79.7384, 21.5633)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

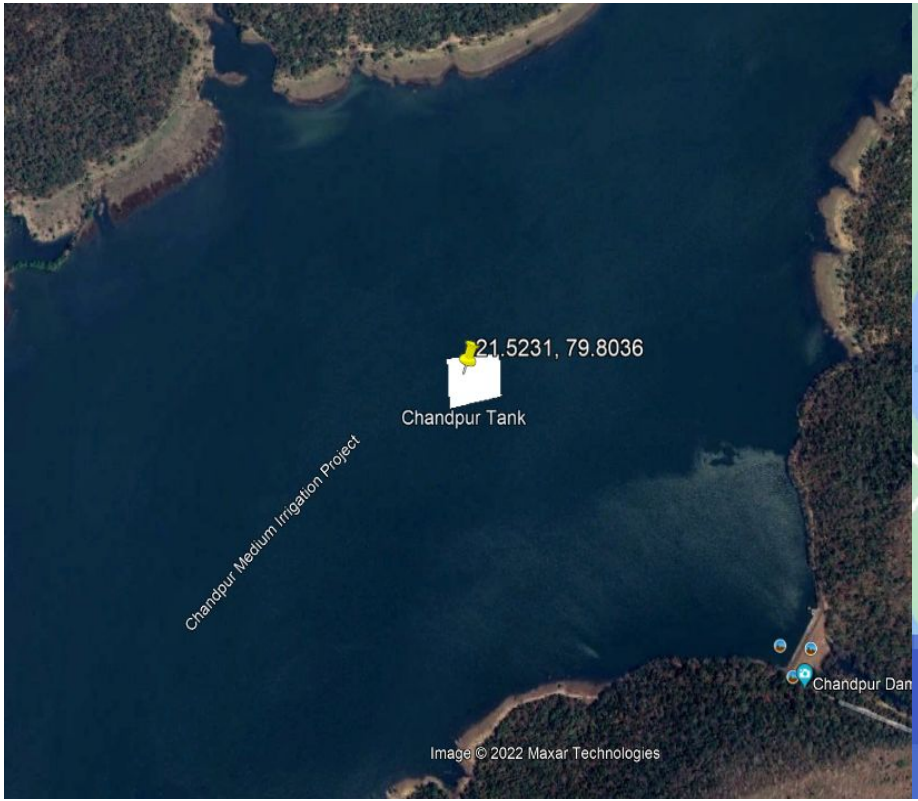
Seasonal 2 (21.563, 79.7373)

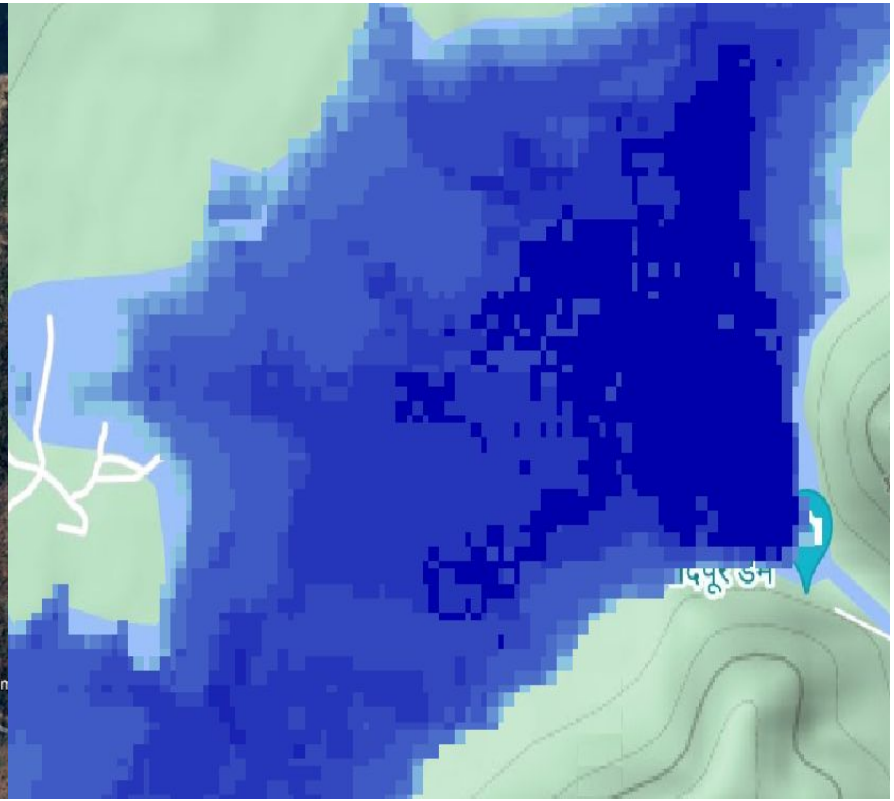

Monthly Water Presence (2021)
Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Valid Observations
Water Present

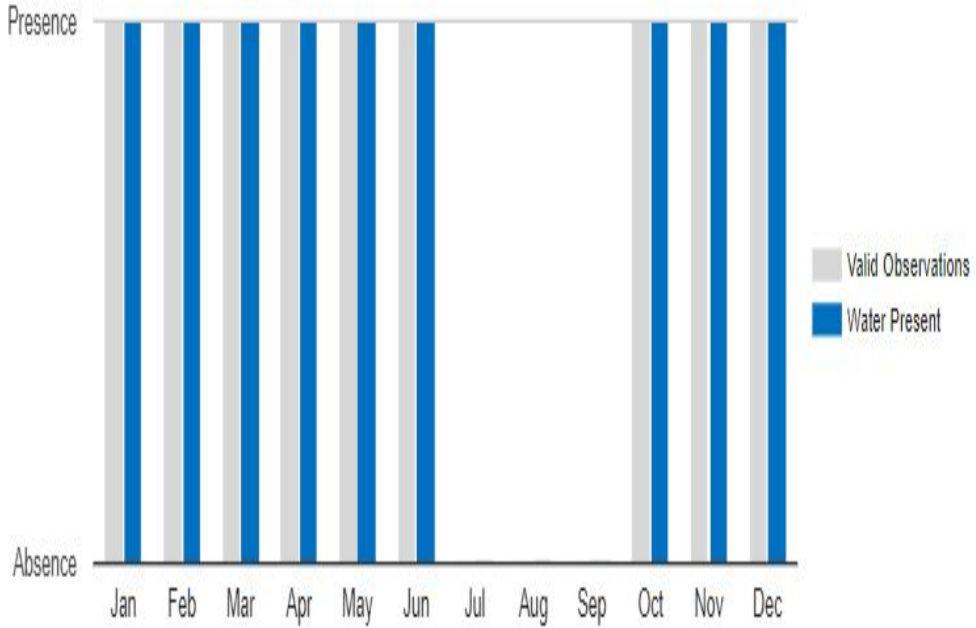

Graph for (79.7373, 21.563)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

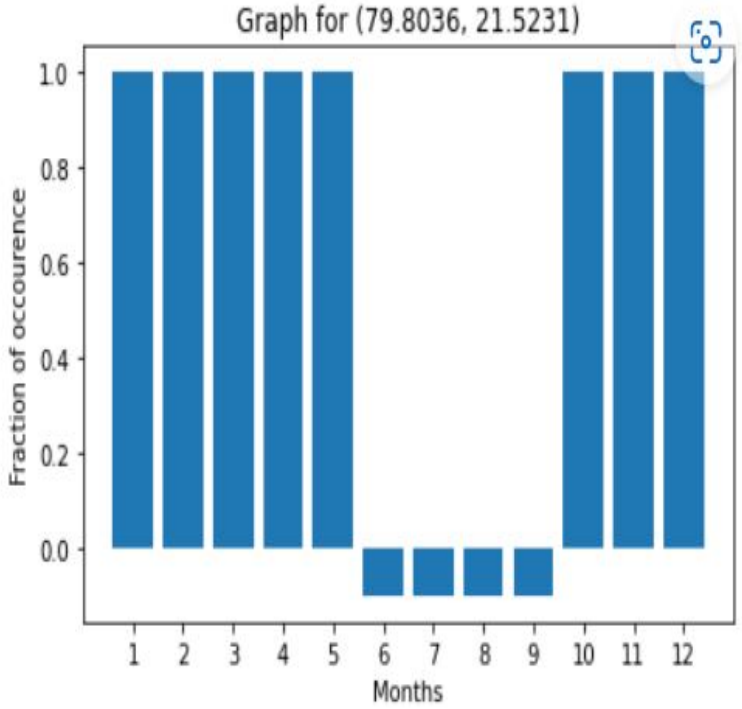
Body 2 (68217, 6845, 7643)

Perennial - 3

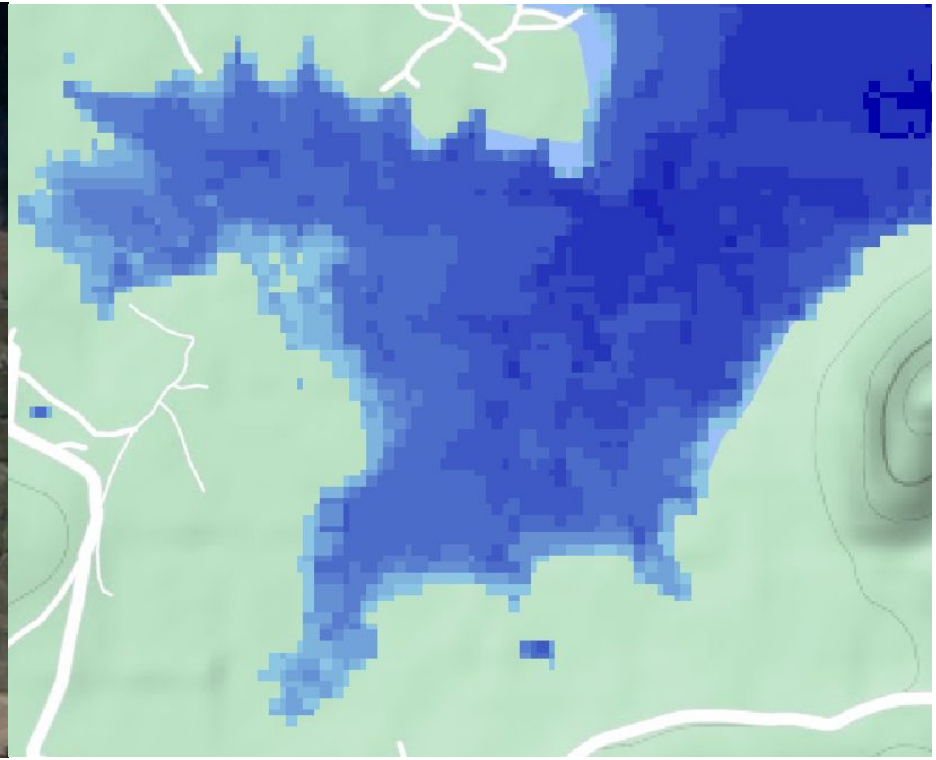

21.5231, 79.8036
Chandpur Tank
Chandpur Medium Irrigation Project
Chandpur Dan
Image © 2022 Maxar Technologies

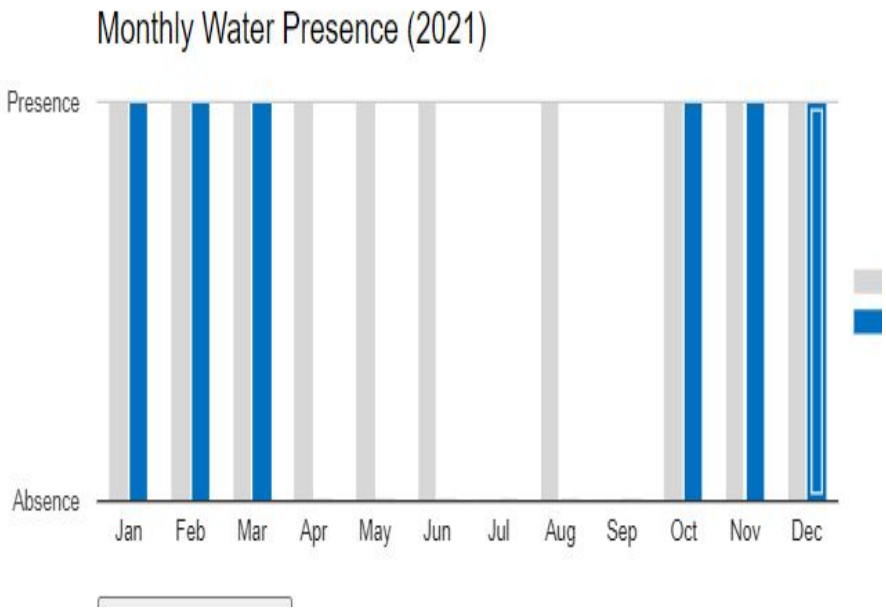


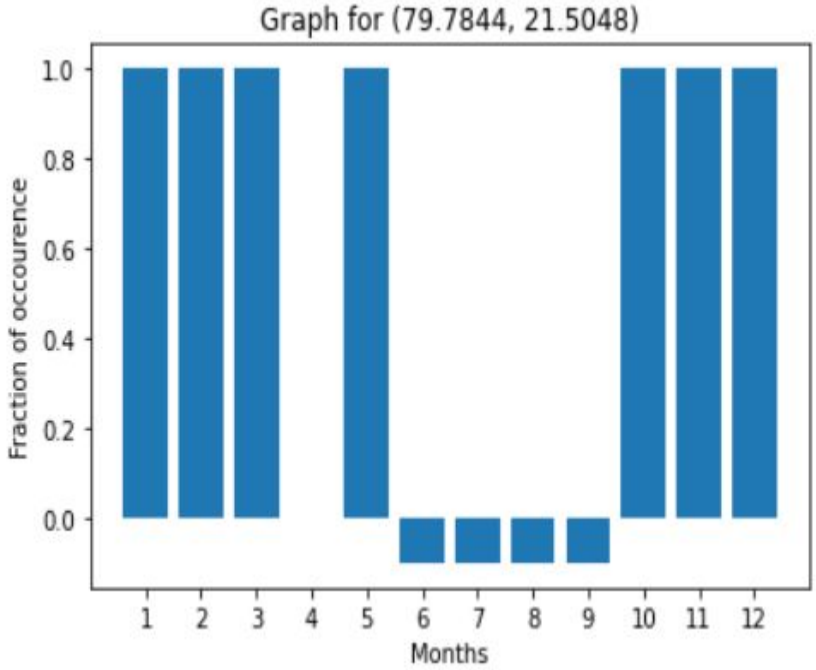

Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Valid Observations
Water Present


Graph for (79.8036, 21.5231)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

Seasonal 3

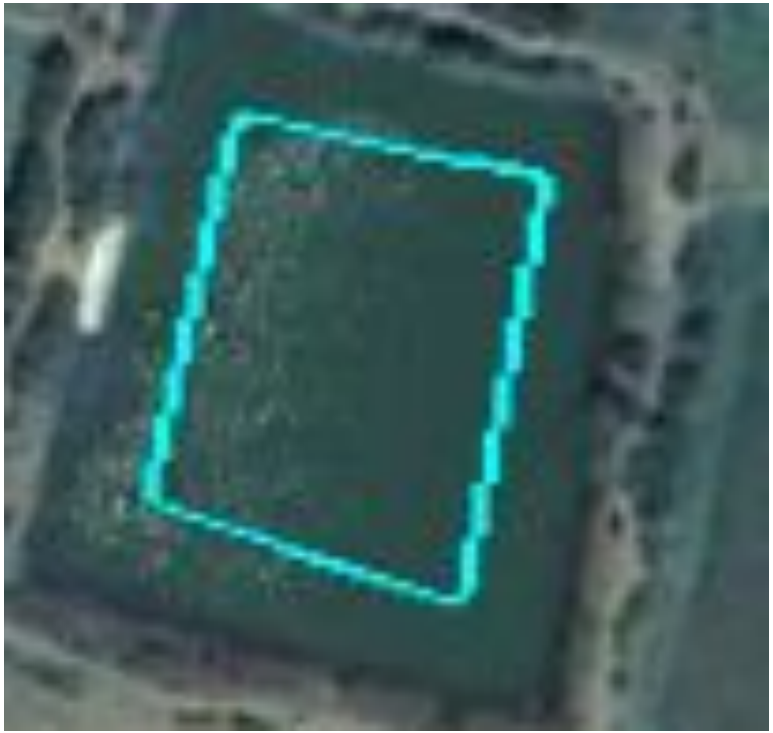



Monthly Water Presence (2021)
Presence
Absence
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec

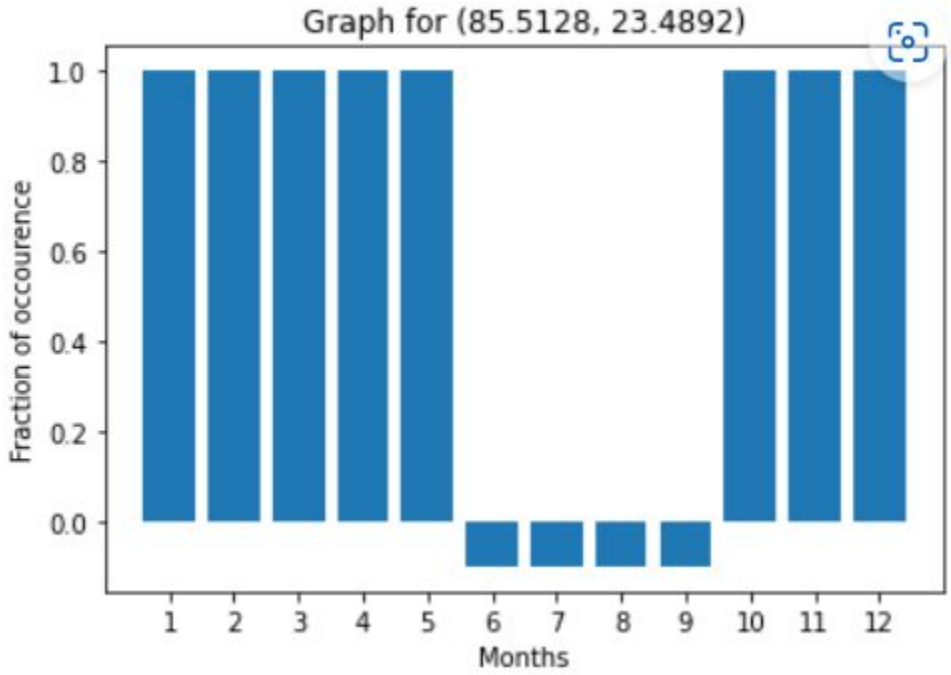

Graph for (79.7844, 21.5048)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

Body 3 (2 million, 12603, 14442)

Running IndiaSAT on Jamui Perennial Body (1383 m2)

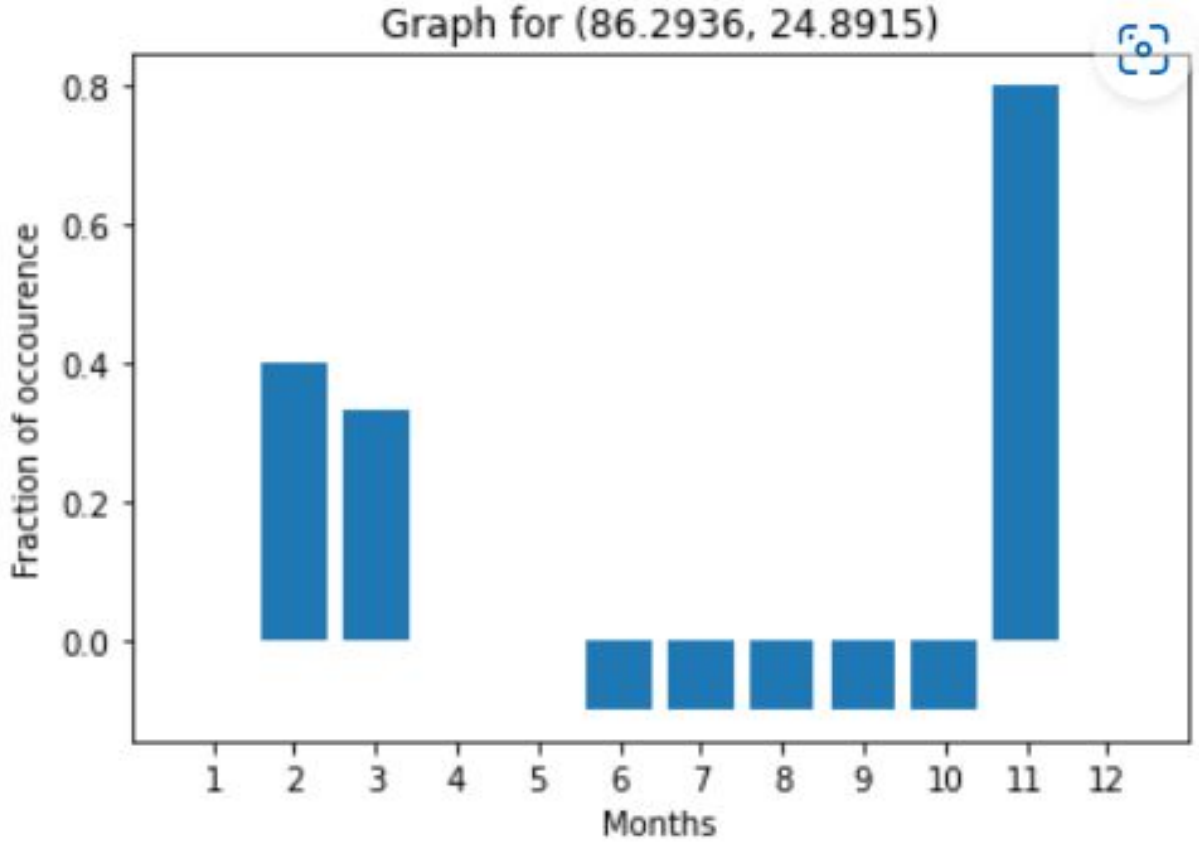


No water body detected by GSW

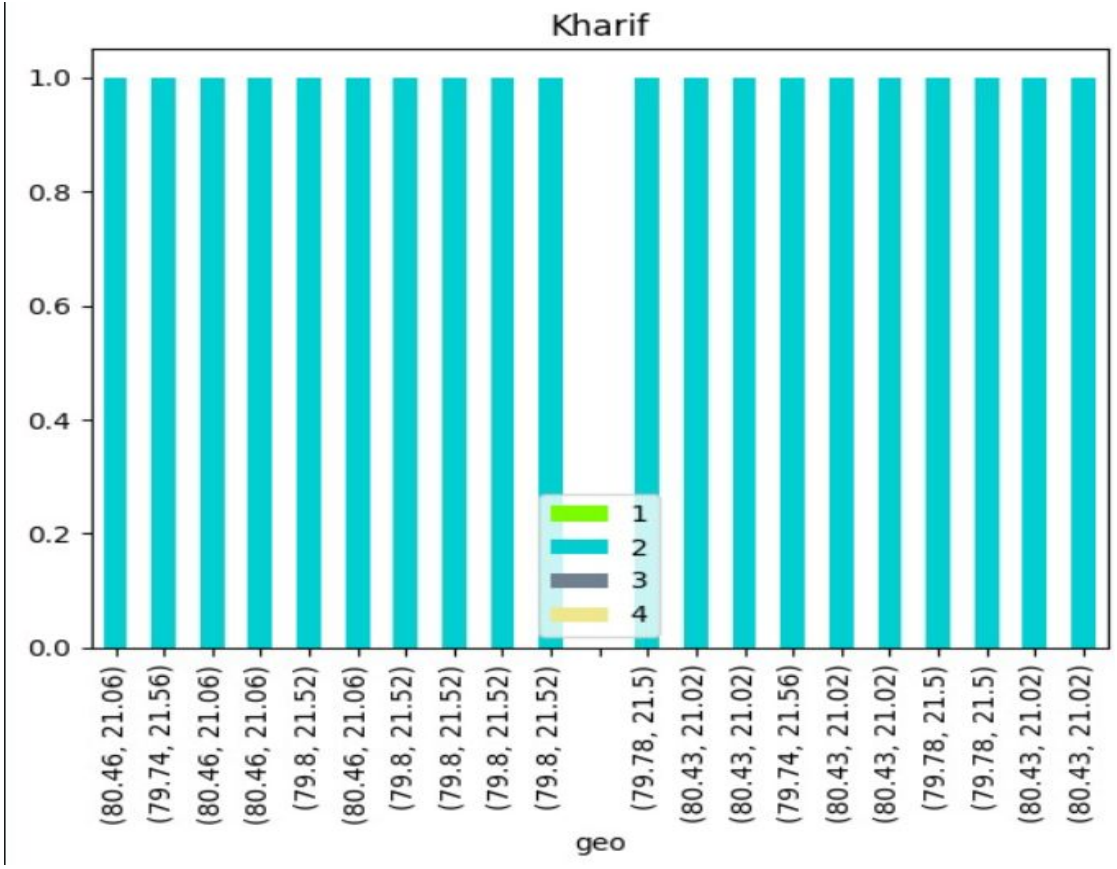

Graph for (85.5128, 23.4892)
Fraction of occourence
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
6
7
8
9
10
11
12
Months

Seasonal Body(1519m2)

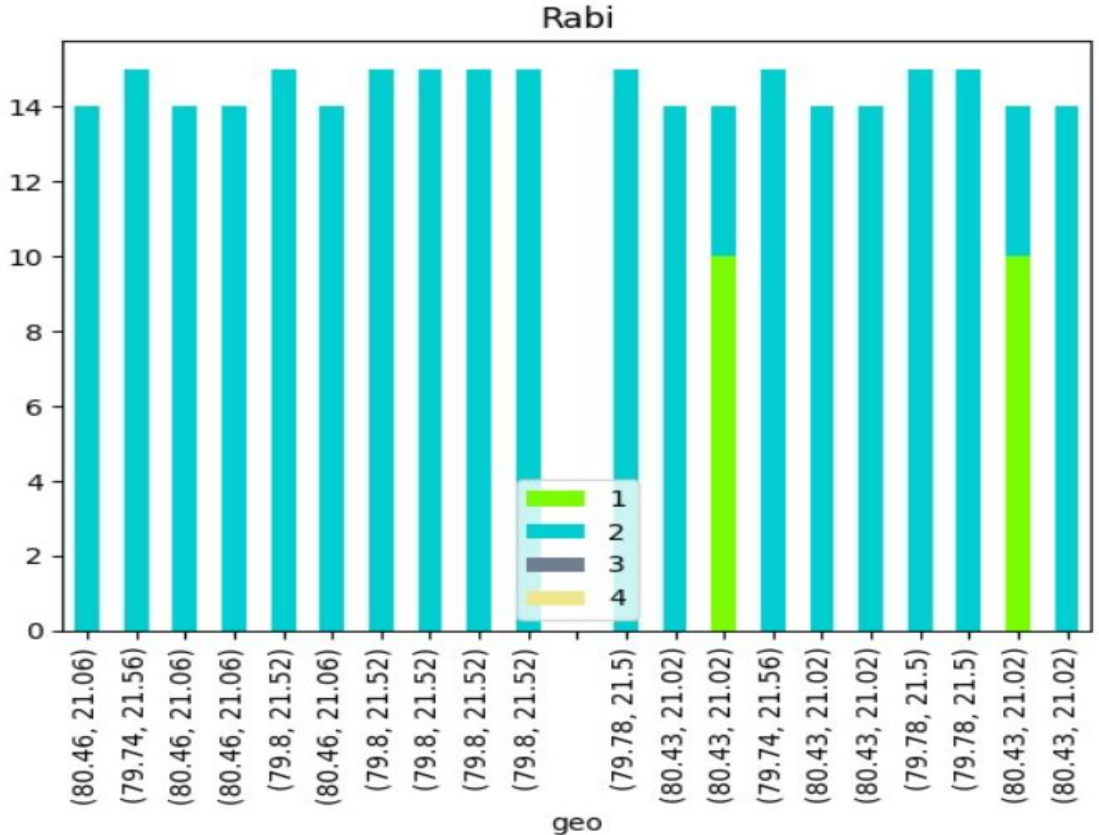
No water body detected by GSW


Graph for (86.2936, 24.8915)
Fraction of occourence
0.0
0.2
0.4
0.6
0.8
1
2
3
4
5
6
7
8
9
10
11
12
Months

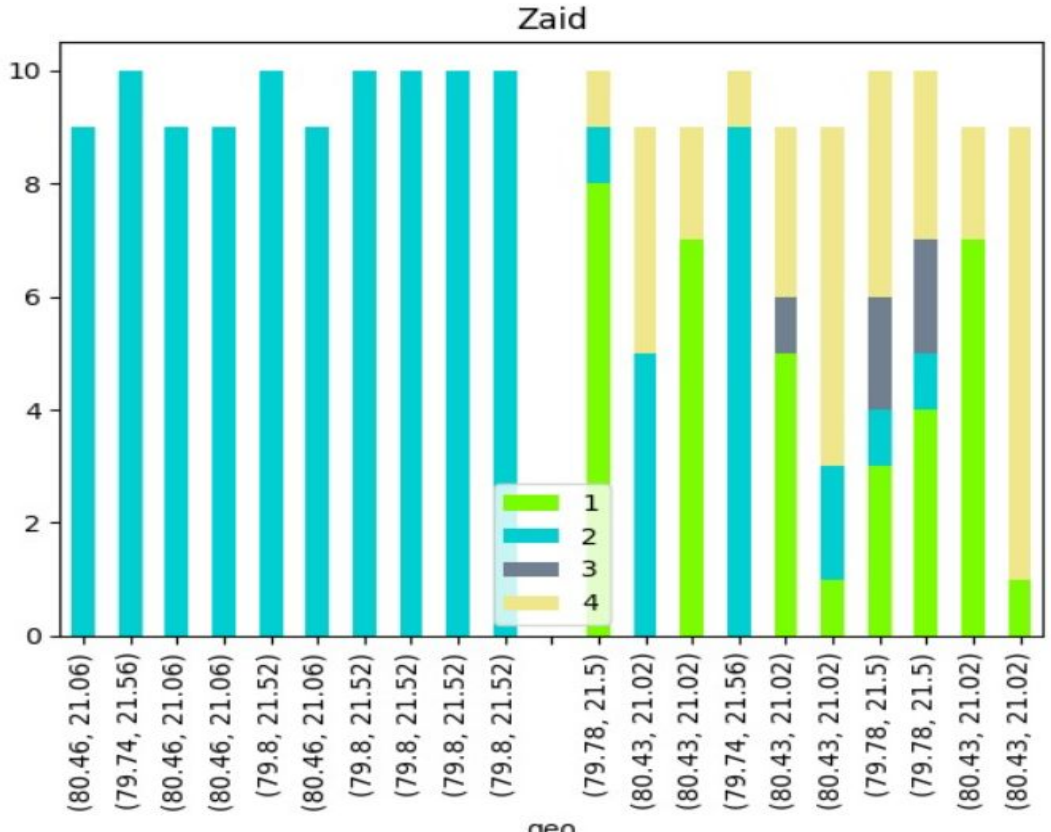
Stacked bar graph (Kharif Season)



Stacked bar graph (Rabi Season)

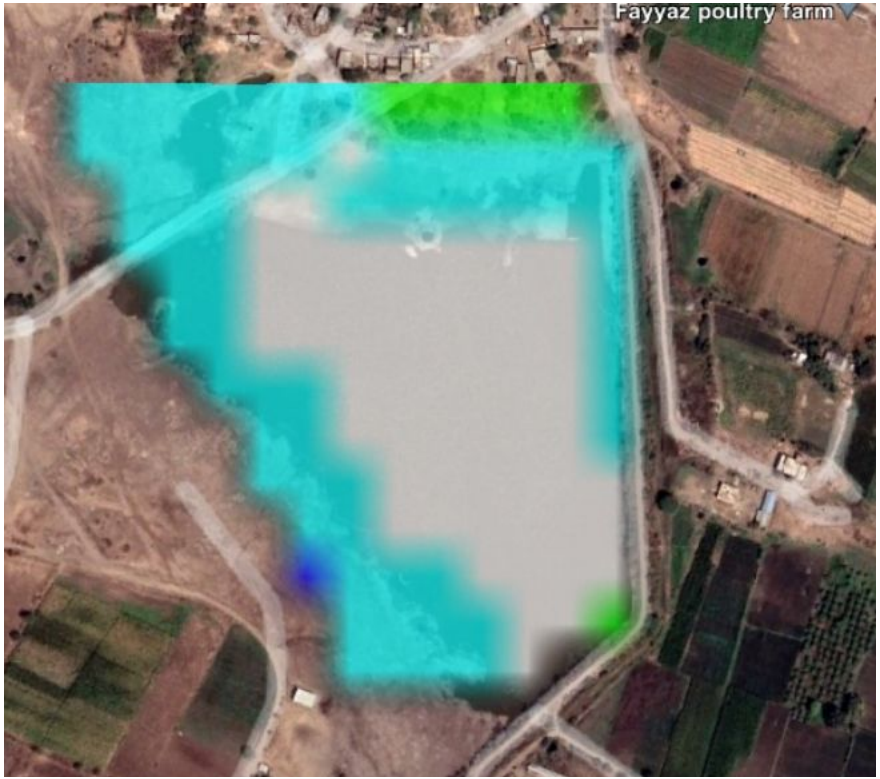


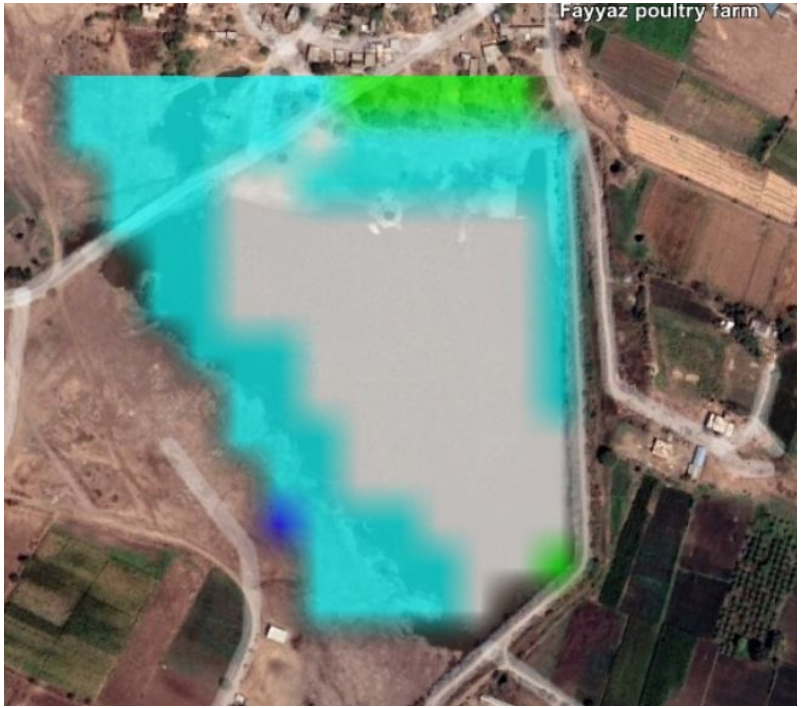
Stacked bar graph (Zaid Season)

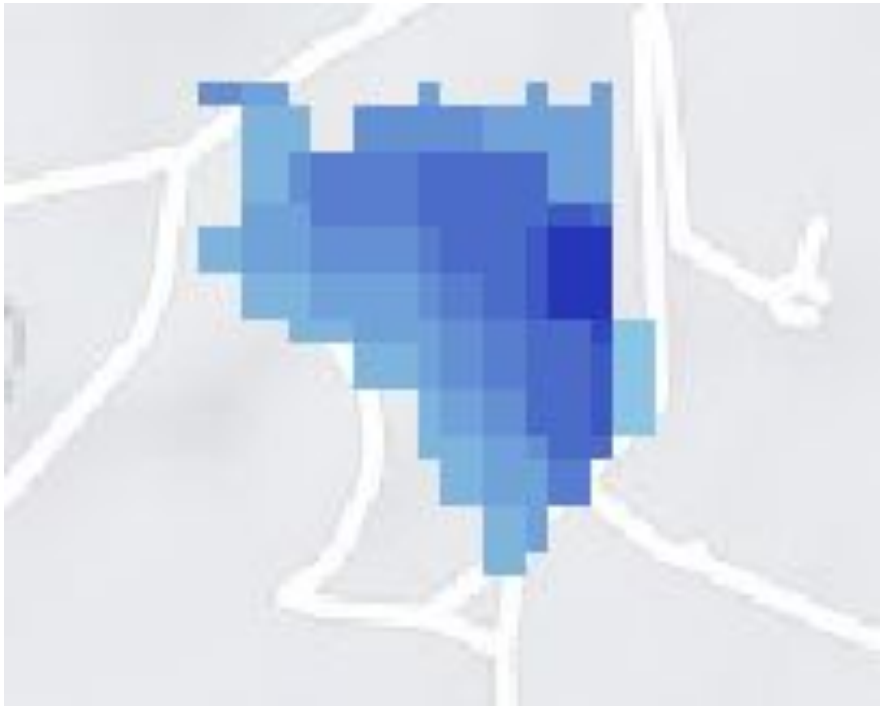


3 bit color coding

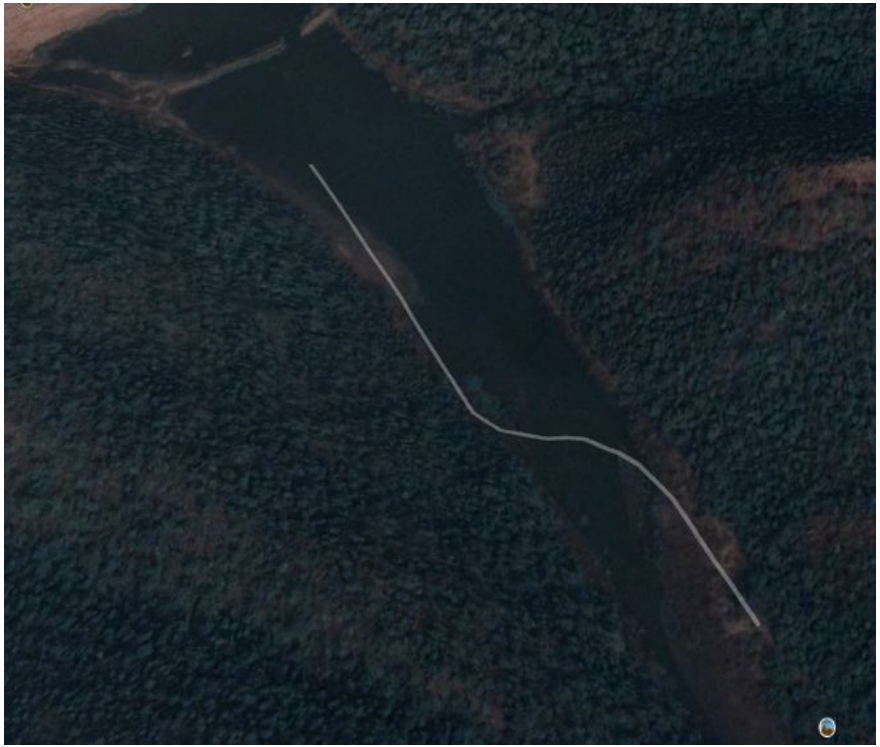
Seasonal body from Jaltol district(march 2022) [The body was about 34000 m2 in area]

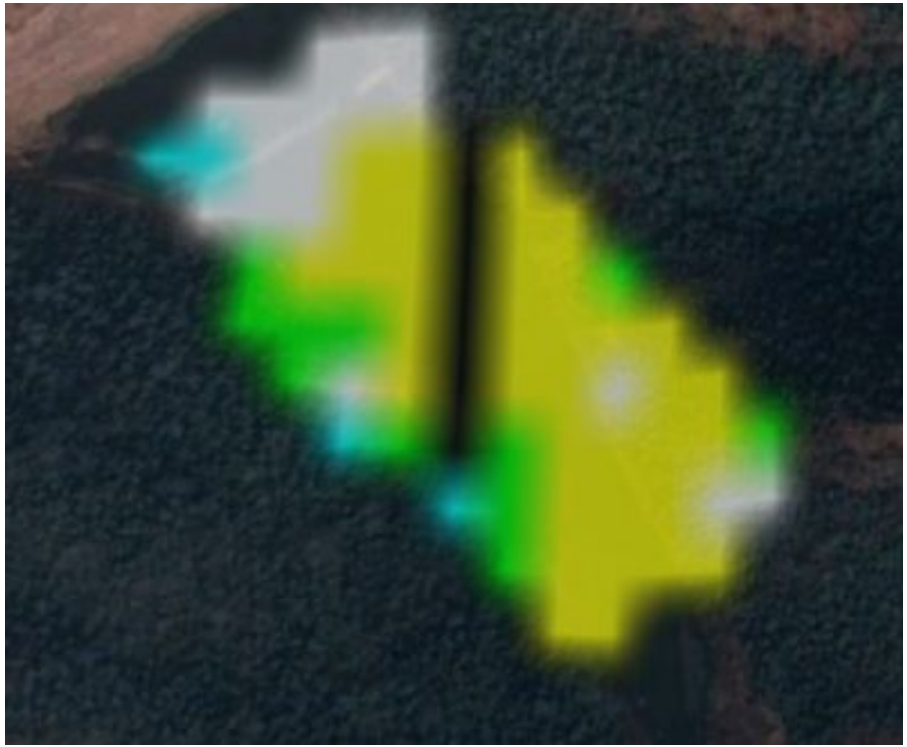


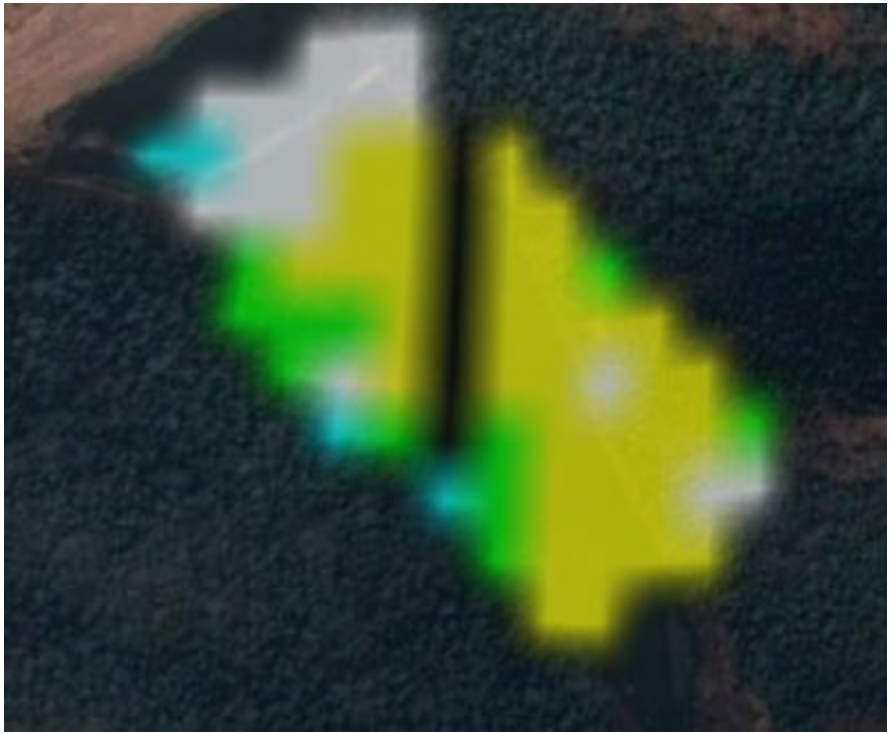

Fayyaz poultry farm

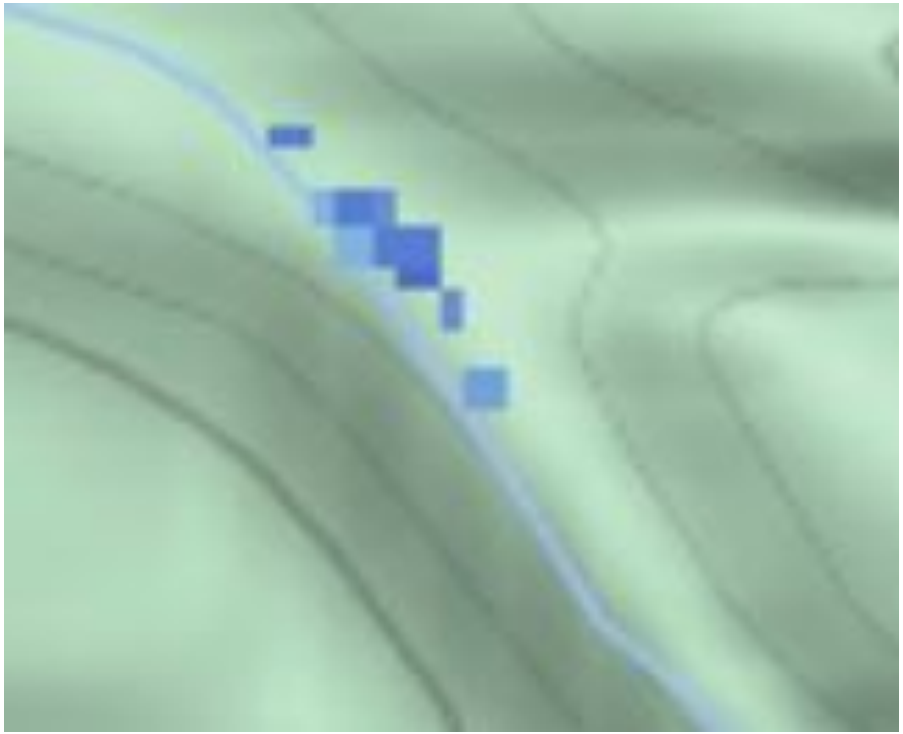
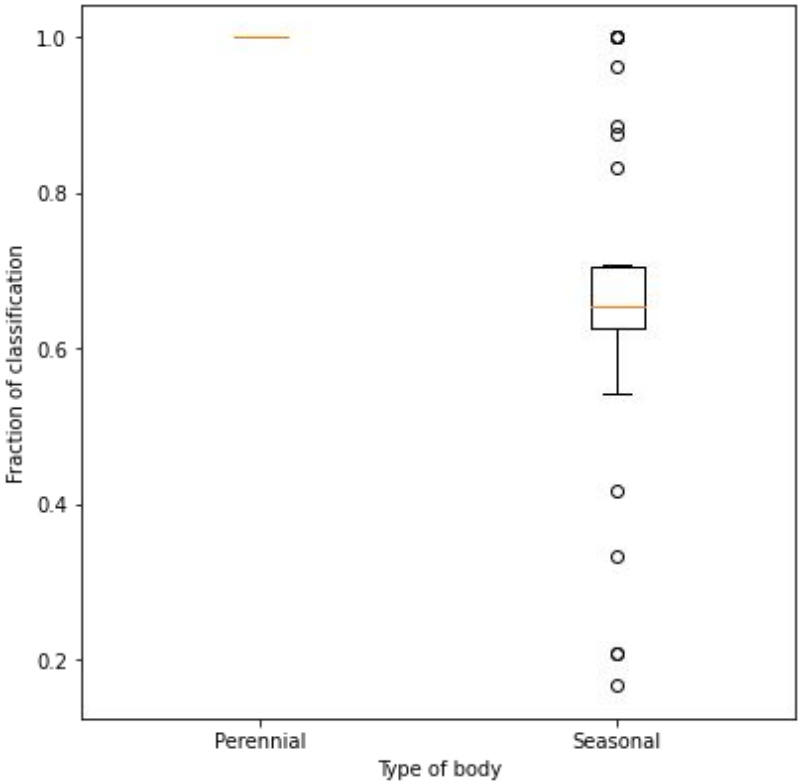
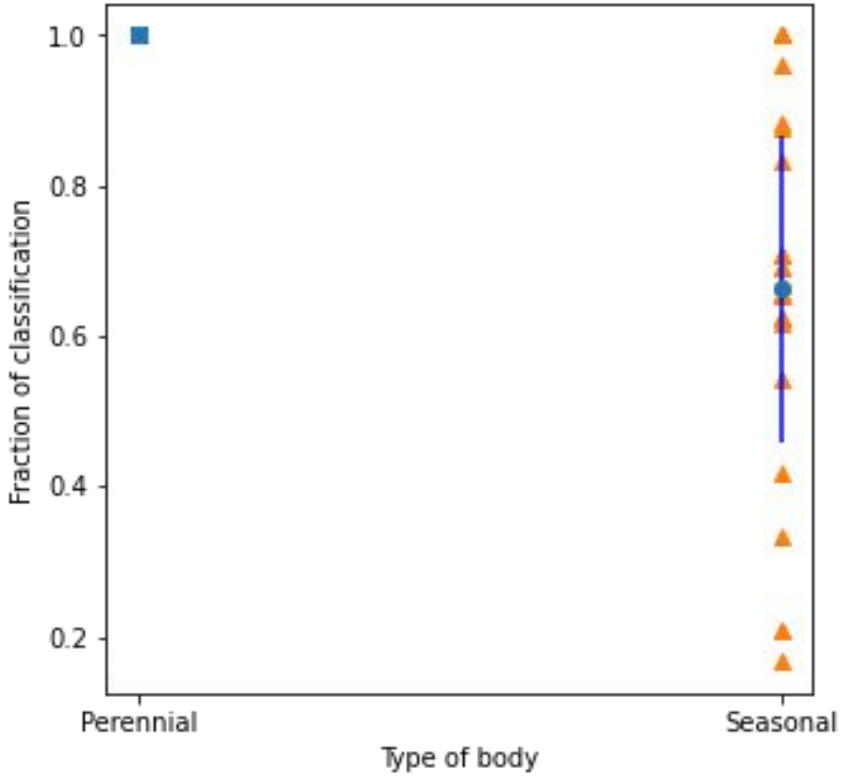


Perennial body from Jamui(image from dec-2021)[The body was about 5000 m2 in area]









Fraction of occurrence for the year