

TECHNICAL
COMMITTEE REPORT OF
BOUNDARY
DEMARCATIION AND
GROUND TRUTHING OF
THE SITE IDENTIFIED
AS WETLAND IN SAC
ATLAS, 2021

Technical Committee Report

• Background

1. In compliance with the directions of the Ministry of Environment, Forest & Climate Change, Government of India, as conveyed through Office Memorandum dated 20.12.2024, in reference to the Hon'ble Supreme Court's orders in WP(C) No. 304 of 2018 – Anand Arya vs. Union of India, along with WP(C) No. 230/2001 and WP(C) No. 302/2020, a meeting of all the Stakeholder Departments was held under the Chairmanship of the Chief Conservator of Forests & Chief Wildlife Warden, Chandigarh Administration. During the meeting, it was recommended to constitute a Technical Committee to oversee/recommend wetland-related ground truthing, demarcation and digital mapping activities in UT Chandigarh. This recommendation was formalized through Order No. 7366-7375A dated 14.01.2025 (**copy attached as Annexure-1**).
2. The committee was tasked with preparing a comprehensive report on the ground-truthing and demarcation of wetland boundaries identified in the Space Application Centre (SAC) Atlas, 2021, within a stipulated period of three months. As per order dated 14.01.2025, WWF was included in committee as Member Convener and several meetings were held with representative of WWF & officials of concerned departments subsequently.

• Field Report

3. To initiate the process, shape files (**Annexure-2**) were provided by the Ministry of Environment Forests and Climate Change based on report of Space Application Centre (SAC) 2021 of 11 water bodies in UT Chandigarh.

4. The NIC, SPIC and IT Department supported in preparing digital maps based on Shape files received from the Ministry and LiDAR data of all concerned department under whose jurisdiction identified waterbodies fall.
5. To finalize the process, a stakeholder meeting was convened on 07.01.2025, bringing together all relevant departments. During this meeting, participants were briefed on the objectives of the exercise and the standardized methodology for data collection. A standardized data format was shared among the members to systematically record boundary demarcation and ground-truthing observations for sites categorized as waterbodies in the SAC Atlas 2021.
6. Concerned departments, within their respective jurisdiction carried out ground truthing and boundary demarcation of sites identified as wetland in SAC 2021 Atlas. All relevant records were referred for the purpose. Senior Coordinator, WWF facilitated and provided required technical support for this exercise to the Stakeholder Departments. A format with details like wetland ID, GPS locations, ownership and ongoing works in these wetlands etc. was prepared and shared with all the concerned departments for necessary action.
7. Following a series of assessments and field verifications, the next meeting was held on February 11, 2025, to consolidate findings and finalize the report of the technical committee. The committee undertook a detailed review of the collected information, ensuring accuracy and consistency with the SAC Atlas 2021. A copy of the ground-truthing report is attached at **Annexure-3**.
8. Based on a comprehensive study of the data collected during the ground-truthing and boundary demarcation exercise, the Technical Committee, following the Wetland Rules, 2017, has determined that 8 waterbodies out of 11 waterbodies identified in the Space Application Centre (SAC) Atlas 2021 does not qualify as a wetland under the Wetland Rules, 2017. Two wetlands

were found to be non-existing during ground truthing exercise. Digital maps are attached in **Annexure 4 to 14.**

9. Furthermore, the committee acknowledges that Sukhna Lake one of the waterbodies listed in the SAC Atlas 2021, is already a notified wetland covering an area of 199 hectares. The ecological integrity of the Sukhna Wetland is actively managed by the Department of Forests and Wildlife, UT Chandigarh, which conducts regular biodiversity surveys, ecological monitoring, and conservation measures to maintain its ecological values.

10. These findings and recommendations are submitted for further review, scrutiny and appropriate implementation as per the relevant policies and statutory requirements.

11. Pictures of the ground truthing exercise are attached in **Annexure: 15.**



Representative of Chief Architect, UT Chandigarh
(Cooprints 20.0.0.0.P)



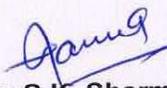
SEC-II
Representative of Chief Engineer, UT Chandigarh.



Representative of Chief Engineer, Municipal Corporation, UT Chandigarh.



Ms. Gitanjali Kanwar,
Sr. Coordinator,
Wetlands, Primary
Knowledge Partner on
Wetland for UT Chd,
WWF-India, New Delhi



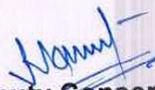
The Dr. S.K. Sharma Prof. & Head,
Department of Civil Engg. NITTR,
UT, Chandigarh

Neeti Khani.

Representative of The CEO
SPIC & Director IT, UT,
Chandigarh



Representative of
Member Secretary,
Chandigarh Pollution
Control Committee, UT
Chandigarh



Deputy Conservator of
Forest-cum-Chairman

Ammeure-1



DEPARTMENT OF FORESTS & WILDLIFE CHANDIGARH ADMINISTRATION

Off: Paryavaran Bhawan Building [2nd Floor], Sector-19B, Madhya Marg, Chandigarh-160019

E-mail Address: forestchandigarh@gmail.com Tel:0172-2700217 Tele Fax: 2700284

No.FOR/2025/7366-7373

Dated: 14/01/25

ORDER

The Ministry of Environment, Forest & Climate Change, Government of India Office vide Memorandum dated 20.12.2024 while conveying directions of the Hon'ble Supreme Court in WP (C) No. 304/2018, WP (C) No. 230/2001 and WP (C) No. 302/2020 informed that as per the directions of the Hon'ble Supreme Court each State/ UT Wetland Authorities shall complete ground truthing as well as the demarcation of wetland boundaries of each of the wetland which have been identified for their State by Space Application Center (SAC) Atlas, 2021 as expeditiously as possible, but definitely within a period of three months from 11.12.2024.

2. To discuss the matter related to boundary demarcation and ground truthing of the site identified as wetland in SAC Atlas, 2021, a meeting of all the stakeholder departments was held on 07.01.2025 under the chairmanship of Chief Conservator of Forests & Chief Wildlife Warden.
3. During the meeting it was decided to constitute a Technical Committee. Accordingly, following Technical Committee is constituted: -

1	The Deputy Conservator of Forest (HQ/WL), UT Chandigarh	Chairman
2	Representative of Member Secretary, Chandigarh Pollution Control Committee, UT, Chandigarh.	Member
3	The CEO SPIC & Director IT, UT, Chandigarh.	Member
4	Representative of Chief Engineer, UT Chandigarh.	Member
5	Representative of Chief Engineer, Municipal Corporation, UT, Chandigarh.	Member
6.	Representative of Chief Architect, UT, Chandigarh.	Member
7	Dr. S.K. Sharma Prof. & Head, Department of Civil Engg. NITTR, UT, Chandigarh.	Member
8.	Ms. Gitanjali Kanwar, Sr. Coordinator, Wetlands, Primary Knowledge Partner on Wetland for UT Chd, WWF-India, New Delhi.	Member Convener

SAC-2021 Wetland Boundary - Chandigarh UT

NCSCM FileTransfer <filetransfer@ncscm.org>

8 January 2025 at 14:40

Reply-To: Muruganandam R <muruganandam@ncscm.res.in>

To: cf.chandigarh@gmail.com, Forestchandigarh@gmail.com

Cc: ramesh.motipalli@nic.in, sathishkumar@ncscm.res.in, madhavarao@ncscm.res.in, purvaja@ncscm.res.in, muruganandam@ncscm.res.in



Dear User,

Muruganandam R has sent you some files

Password : SAC2021@CH

Subject : SAC-2021 Wetland Boundary - Chandigarh UT

Description : Attached is a zip file containing shapefiles of the State boundary, District Boundary, and Wetland Boundary (SAC-2021). After receiving the data, request to acknowledge through email kindly Regards, IT Team, NCSCM

[Get your Files](#)

Kind Regards,

Ncscm

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Format for the Concerned Stake Holder Department for boundary demarcation and ground truthing of sites identified as wetland as per Space Application Centre (SAC) Atlas 2021

S.N.	Wetland ID	Wetland Name	District	Latitude	Longitude	Any Encroachment found	Area (In Hectare)	Action being Taken, if any for management/maintenance of water bodies	Name of owners	whether consent is given by owner to declare it a wetland yes/No	Digital Maps
1	1201	Sukhna Lake	Chandigarh	30°44'26.46"N	76°49'12.92"E	All Govt. records have been checked and no encroachment observed	Mention area as per SAC (2021) 155.93 ha	Sukhna Wetland is a notified wetland with an area of 199 ha. Biodiversity Surveys, monitoring and maintaining the ecological character of the Sukhna wetland is conducted by the Department of Forests and Wildlife, UT Chandigarh.	Nodal Department Forest & Wildlife, Chd.	Already Notified as Wetland	Attached in annexure-4
2	1202	Dhanas Lake	Chandigarh	30°45'57.43"N	76°45'25.87"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021) area is 4.48 ha	The Dhanas lake falls under the jurisdiction of Forest & Wildlife Department. It is well protected area where regular maintenance and forestry works are conducted by the Forest Department	Department Forest & Wildlife, Chd.	This waterbody is already protected under Indian Forest Act, 1927; Forest Conservation Act, 1980	Attached in annexure-5

3	1106	Kansal & Saketri Nadi	Chandigarh	30°44'56.53"N	76°50'0.66"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 14.43 ha	The Kansal & Saketri Nadi falls under the jurisdiction of Forest & Wildlife Department, UT. It is well protected area where regular maintenance and forestry works are conducted by the Forest Department	UT Chandigarh Administration	It is already part of zone of influence of the Sukhna Wetland. In addition, it is a seasonal rivulet. Refer to 4 (a) of the Wetland rules, 2017. & This waterbody does not qualify as a wetland under the wetland rules. It is a seasonal rivulet. Refer to 4 (a) of the Wetland rules, 2017.	Attached in annexure-6
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4	1106	Sukhna Choe	Chandigarh	30°42'10.96"N	76°48'50.79"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021) area is 39.99 ha	The Sukhna Choe falls under the jurisdiction of Forest & Wildlife Department. It is well protected area where regular maintenance and forestry works are conducted by the Forest Department	Department Forest & Wildlife, Chd.	This waterbody is already protected under Indian Forest Act, 1927; Forest (Conservation) Act, 1980 & This waterbody does not qualify as a wetland under the wetland rules. It is a seasonal rivulet. Refer to 4 (a) of the Wetland rules, 2017.	Attached in annexure-7
5	1160	Faidan Choe	Chandigarh	30°41'23.94"N	76°46'15.43"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 10.56 ha	Two STP modular are being proposed to treat illegal sewer of Faidan village to avoid the contamination.	M.C. Chandigarh	This waterbody does not qualify as a wetland under the wetland rules. It is a seasonal rivulet. Refer to 4	Attached in annexure-8



6	1202	Sector-50 Chandigarh	Chandigarh	30°41'49.96"N	76°44'50.60"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 3.10 ha	Nil	Engineering Department, U.T., Chandigarh	(a) of the Wetland rules, 2017. It is a non-existing wetland	Attached in annexure-9
7	1202	Botanical Garden	Chandigarh	30°46'32.38"N	76°45'50.14"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 4.55 ha	The Botanical Garden falls under the jurisdiction of Forest & Wildlife Department. It is well protected area where regular maintenance and forestry works are conducted by the Forest Department	Forest & Wildlife, Chandigarh	This waterbody does not qualify as a wetland under the wetland rules. It is constructed/maintained specifically for the recreational purposes. Refer to 4 (f) of the Wetland rules, 2017.	Attached in annexure-10

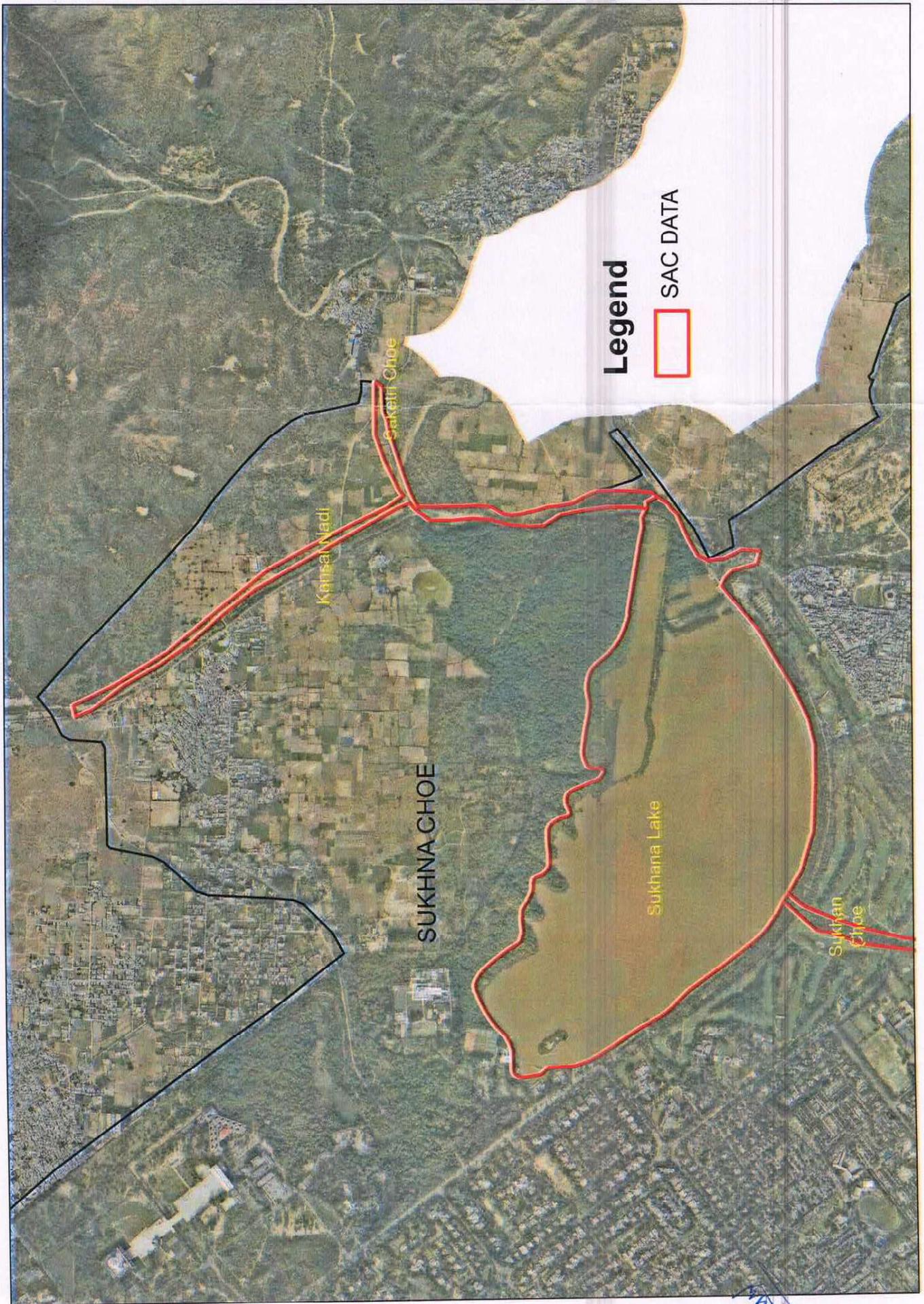
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8	1106	N-Choe	Chandigarh	30°72'8753" N	76°74'94" E	All Govt. records have been checked and no encroachment observed	As per SAC (2021) area is 29,4518 Hectare from sec 42 to sec 53,52,51 along jail Road	Cleaning and repair of embankment is carried out from time to time by Engineering Department	Engineering Department, U.T., Chandigarh	This waterbody does not qualify as a wetland under the wetland rules. It is a seasonal rivulet. Refer to 4 (a) of the Wetland rules, 2017. & This waterbody does not qualify as a wetland under the wetland rules. It is a seasonal rivulet. Refer to 4 (a) of the Wetland rules, 2017.	Attached in annexure-11
9	1106	Patiala ki Rao Choe	Chandigarh	30°45'32" N	76°44'32" E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 68.51321 ha	Desilting is carried out from time to time by Engineering Department	Engineering Department, U.T., Chandigarh	This waterbody does not qualify as a wetland under the wetland rules. It is	Attached in annexure-12

10	1202	Water works	Chandigarh	30°45'12.27"N	76°43'46.29"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 11.89 ha	There are 8 water storage tanks for maintaining water supply to city Chandigarh during breakdown of water supply pumping from the regular source	Municipal Corporation, Chandigarh	This waterbody does not qualify as a wetland under the wetland rules. It is a human-made waterbody specifically constructed for drinking water	Attached in annexure-13
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11	1202	Maloya, Chandigarh	Chandigarh	30°44'36.54"N	76°42'22.97"E	All Govt. records have been checked and no encroachment observed	As per SAC (2021), area is 3.10 ha	Nil	MC, Chandigarh	It is a non- existing wetland	Attached in annexure-14
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Sarangpur

SECTOR-14

Dhanas Lake

Dhanas

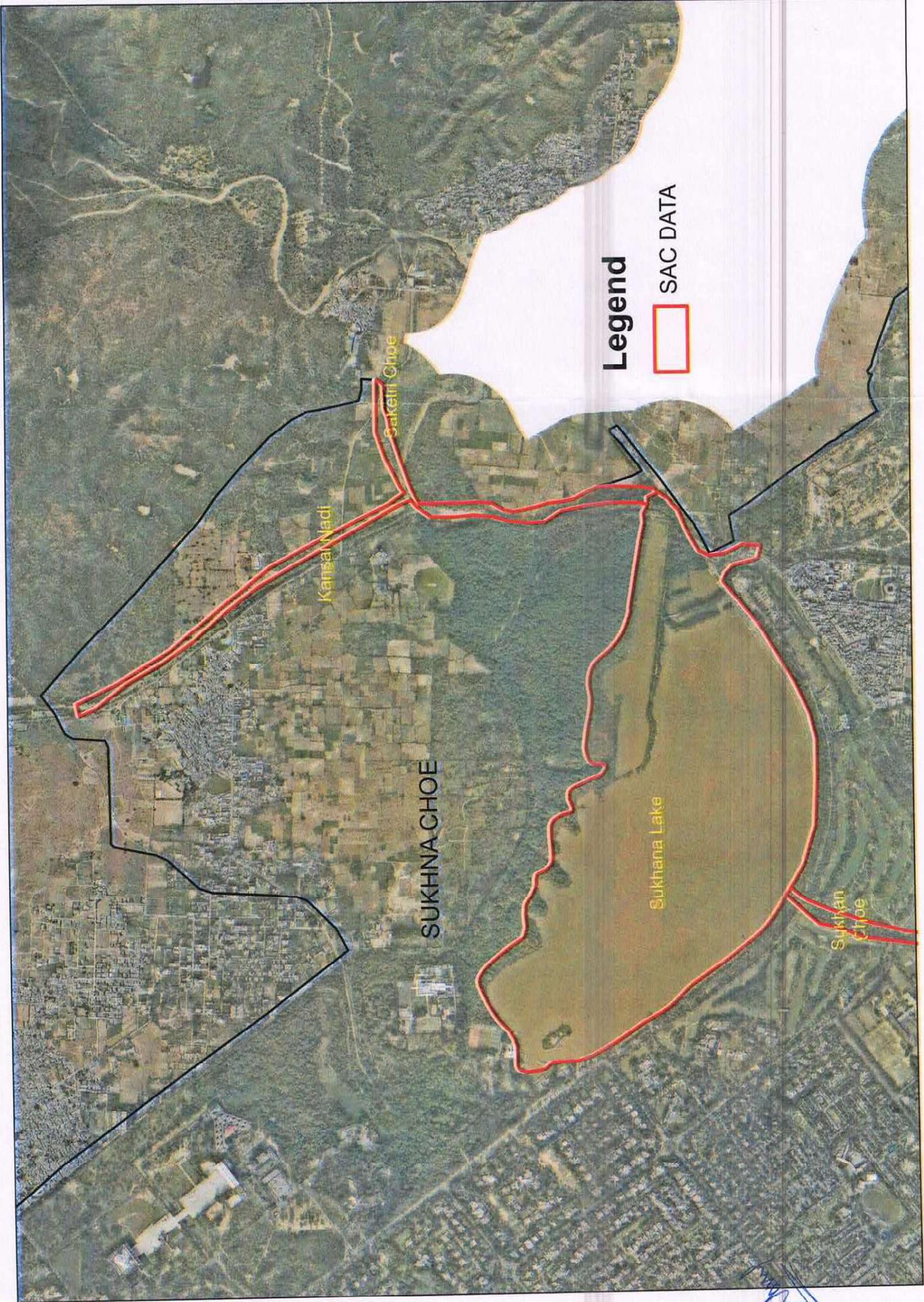
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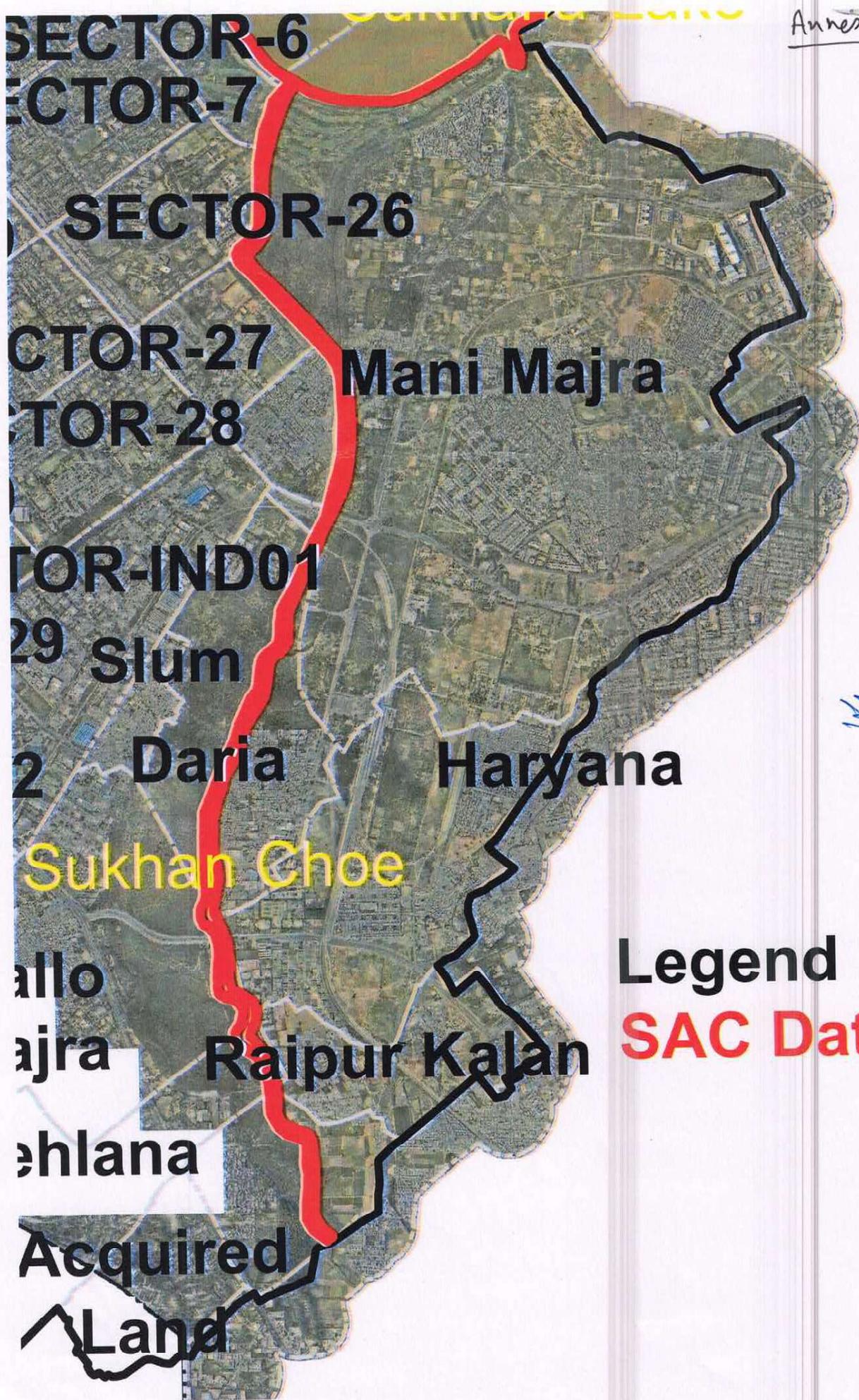


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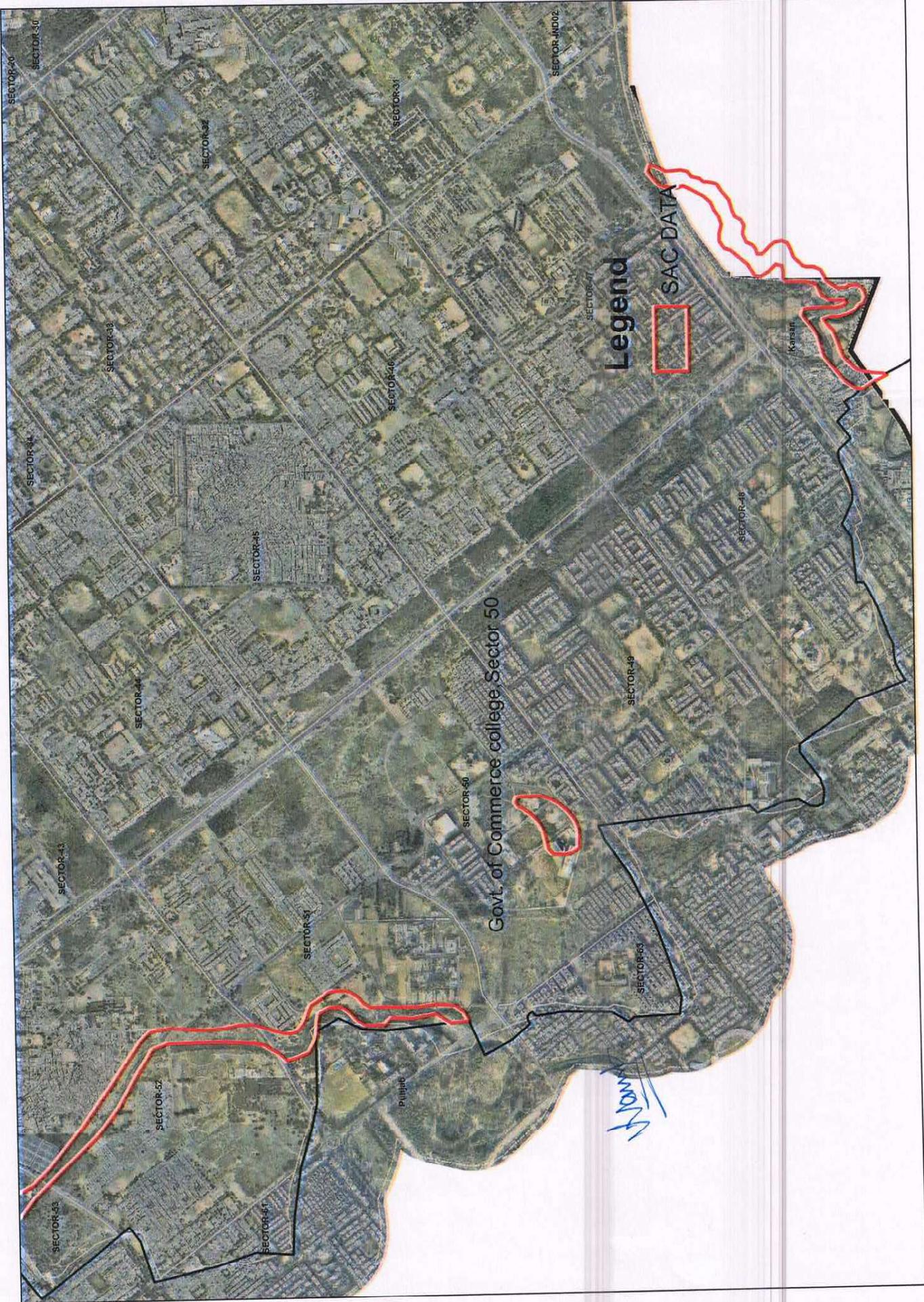
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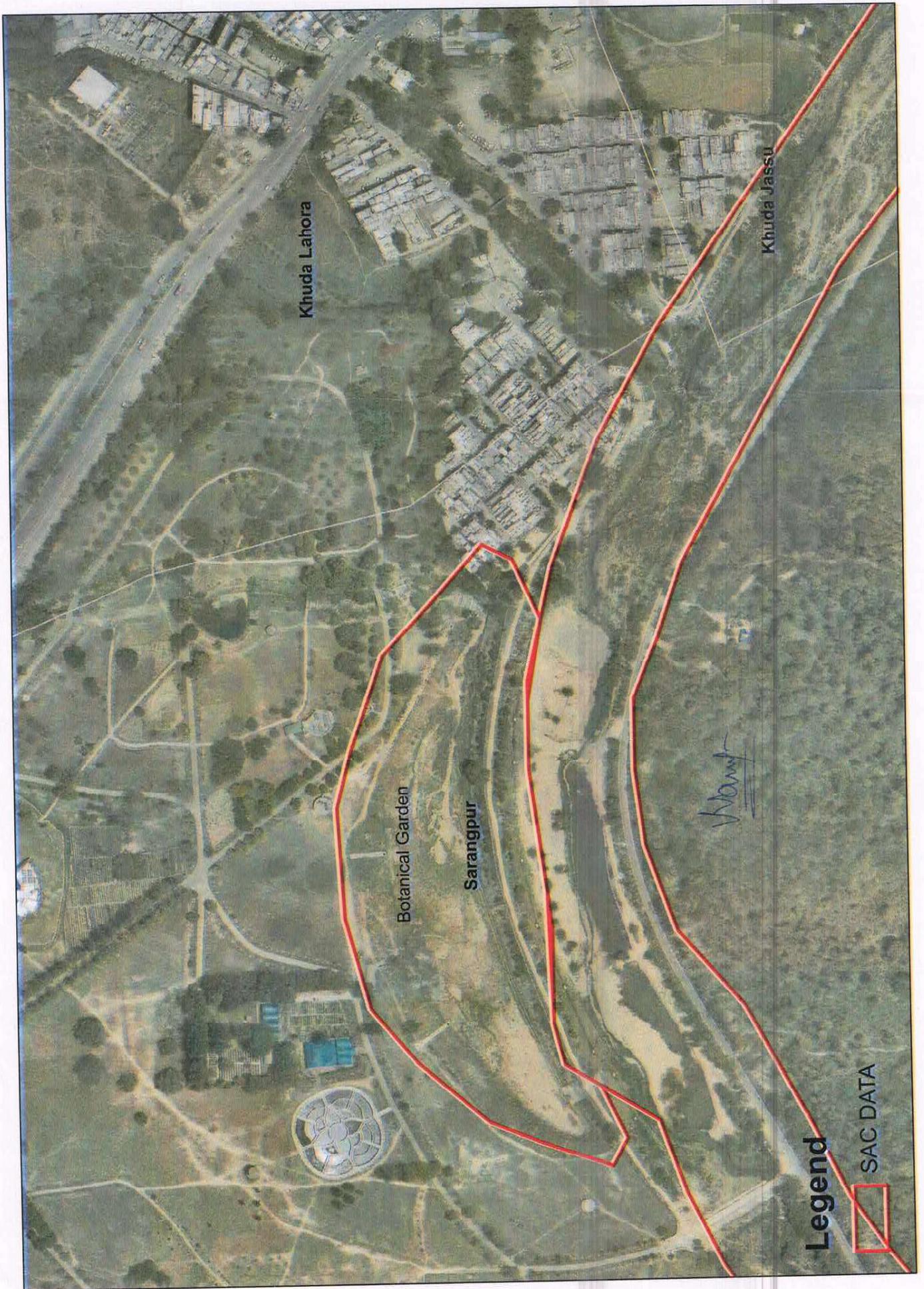
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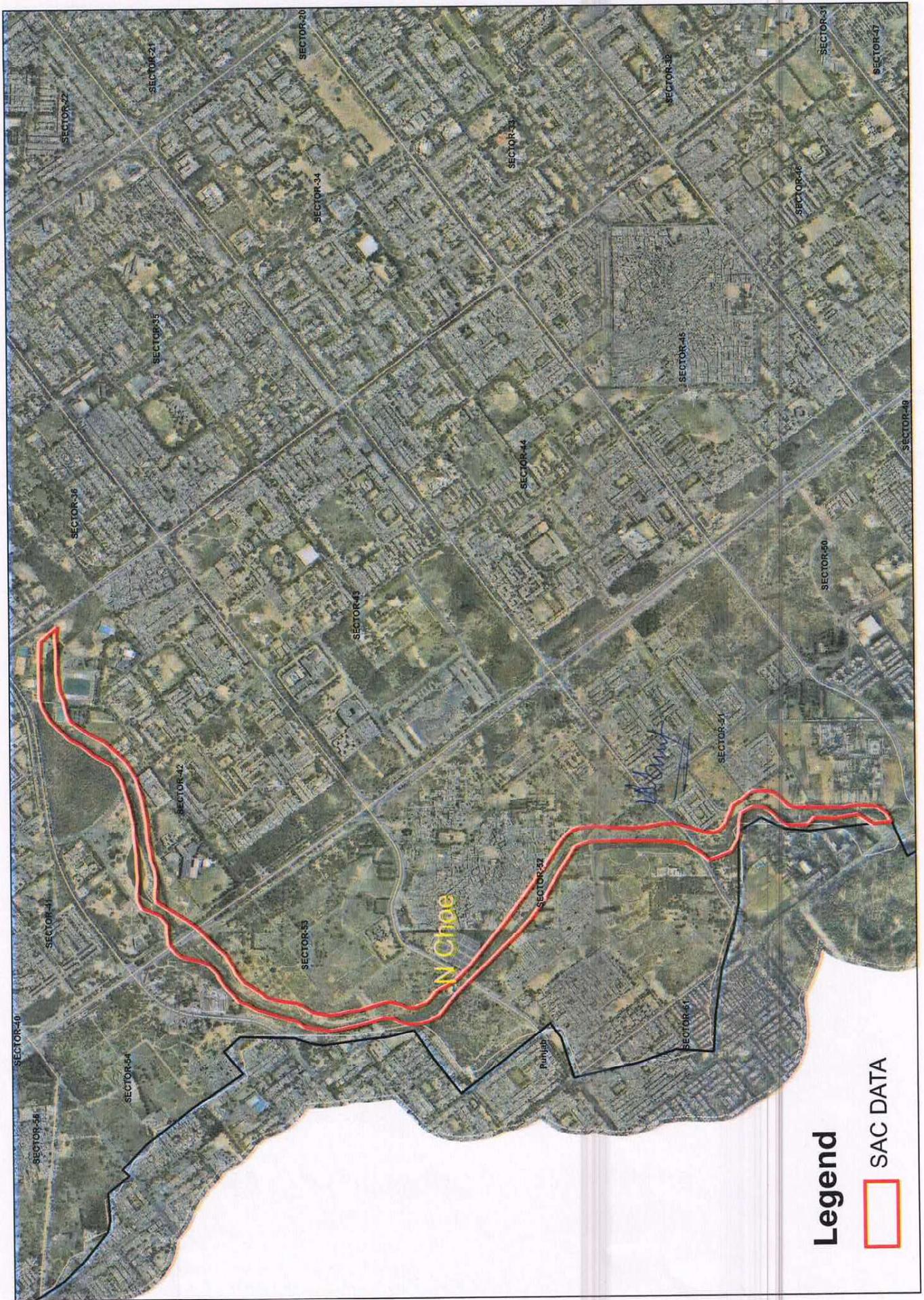


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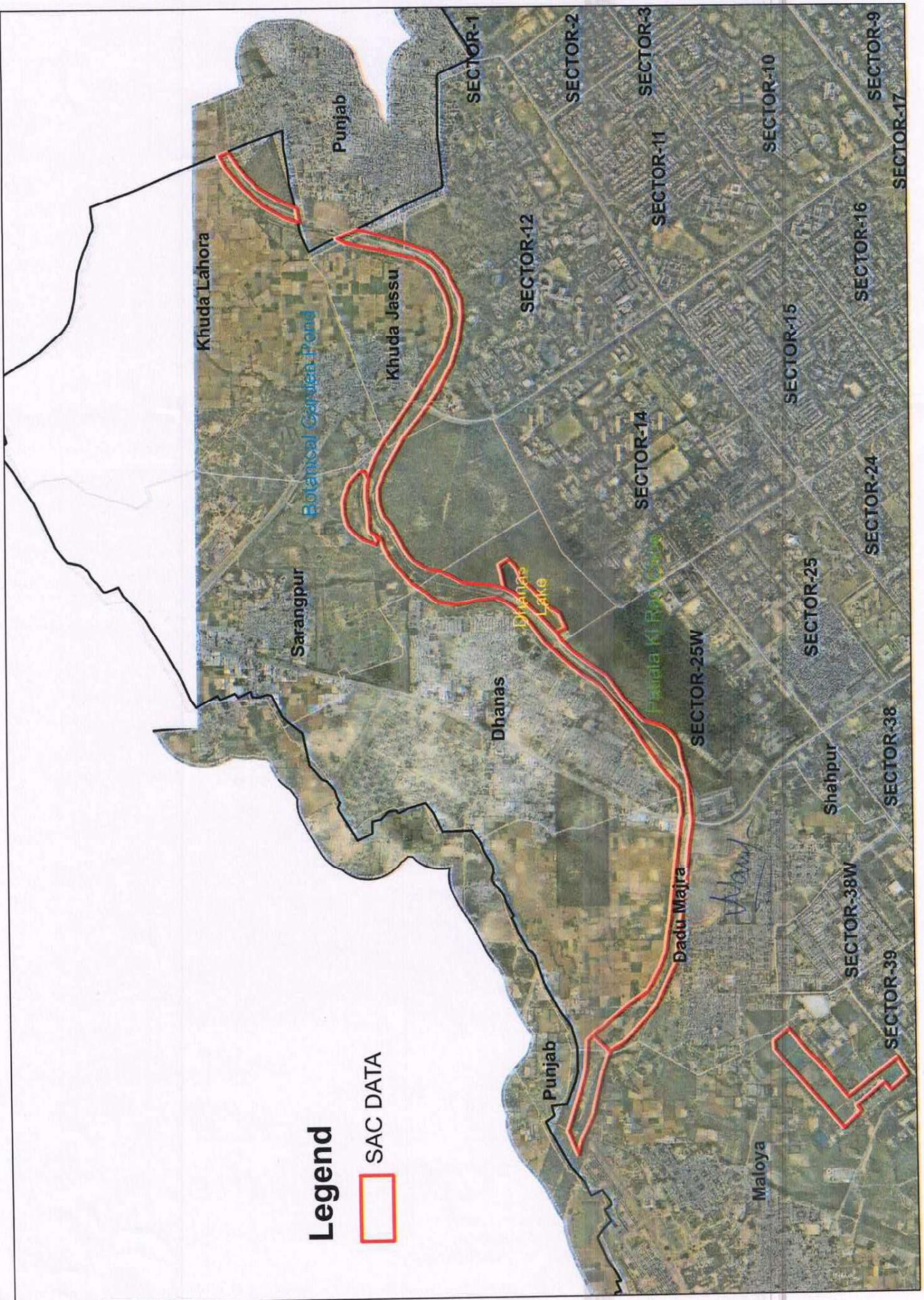




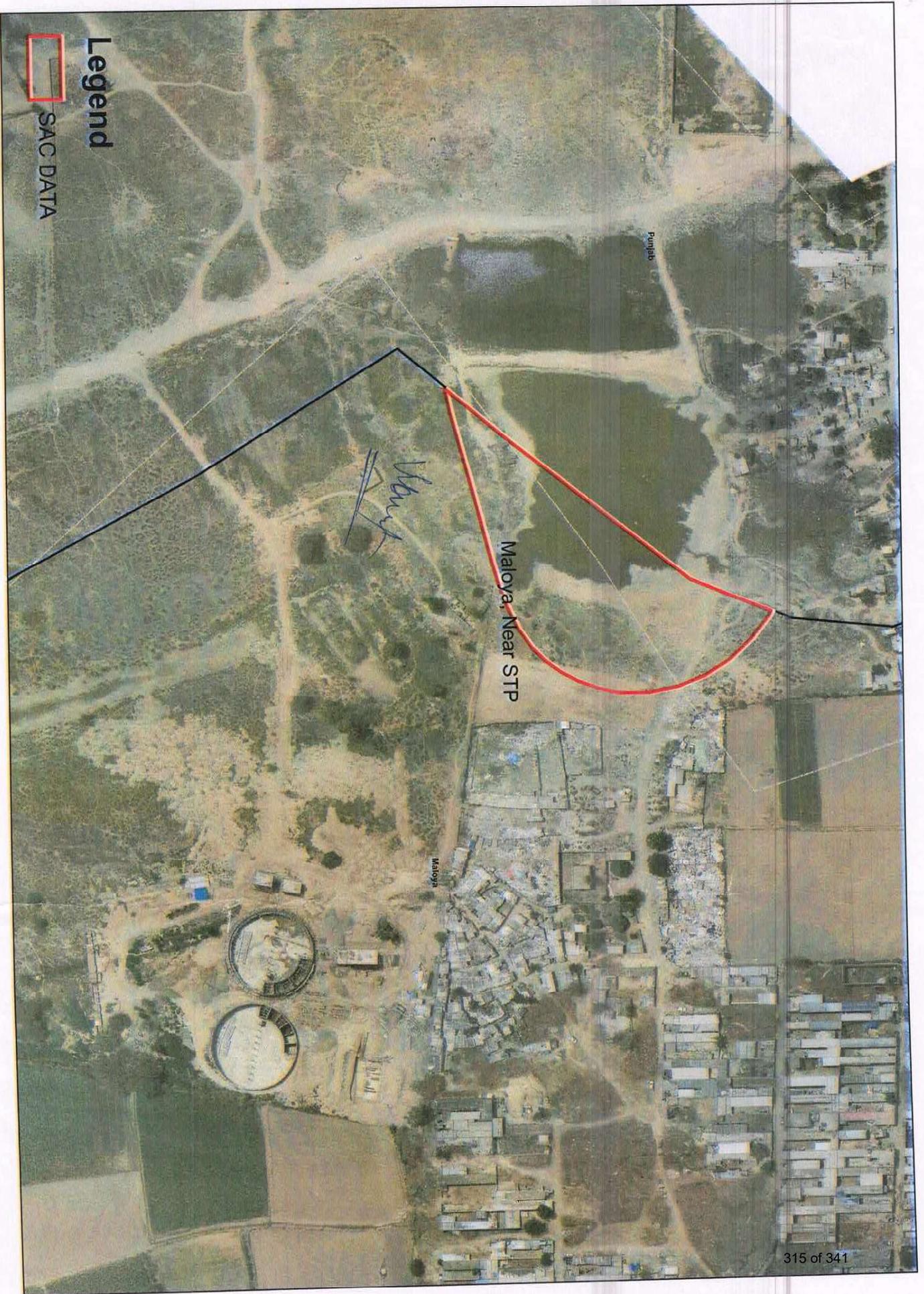


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 SAC DATA







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SAC DATA

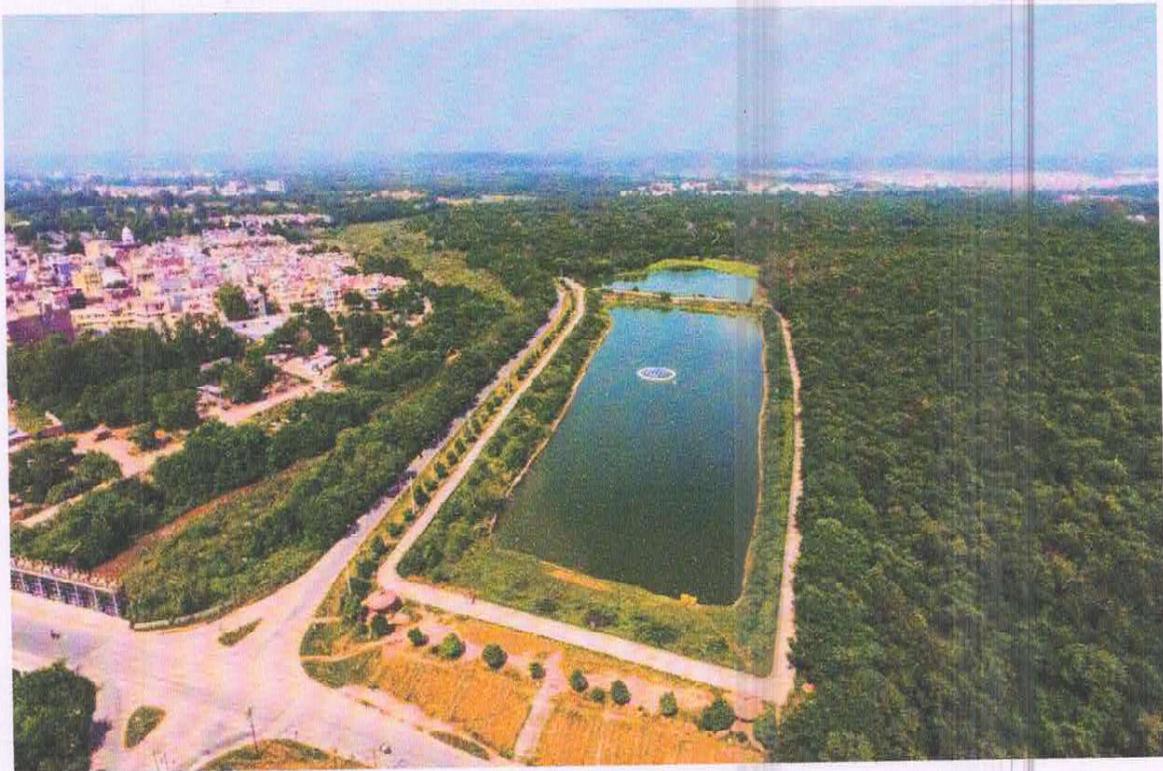
Ward

Maloya, Near STP

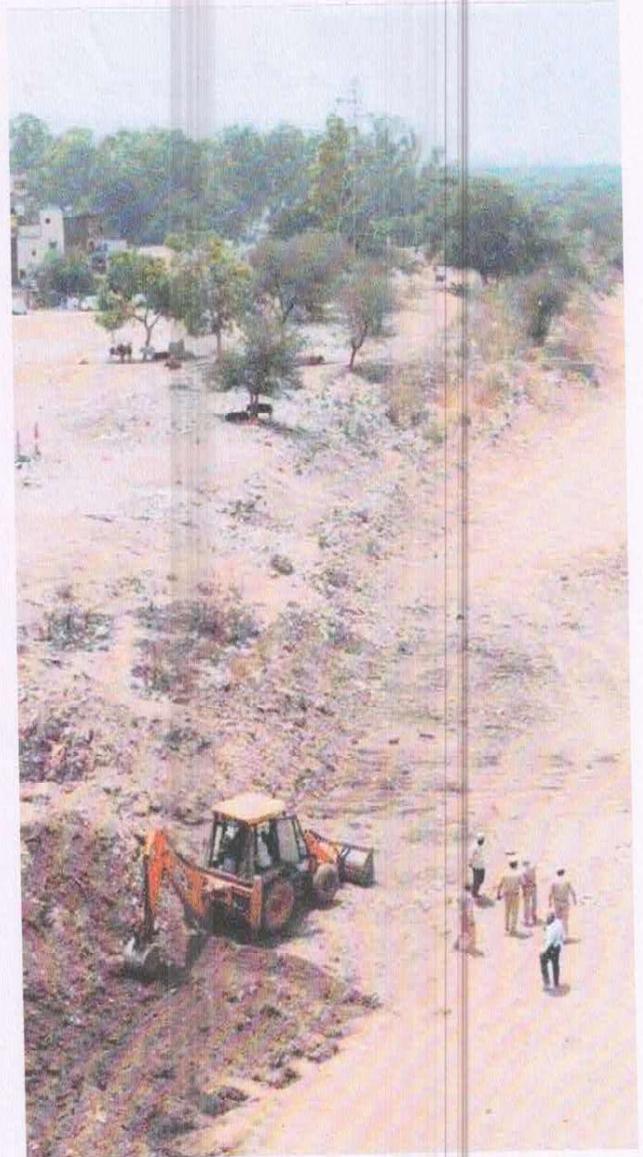
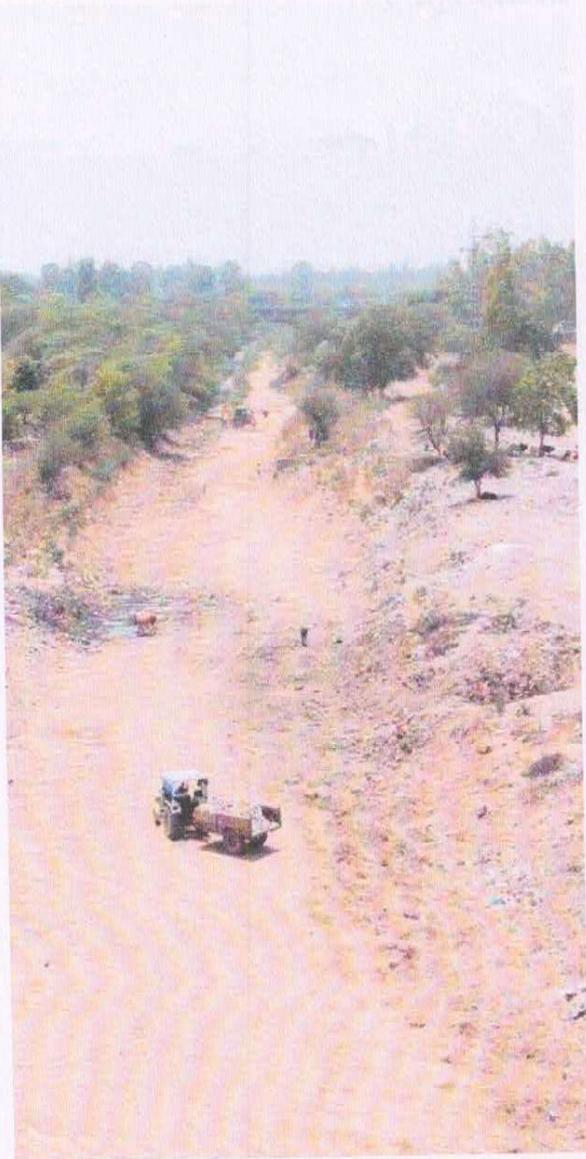
Punjab

Maloya

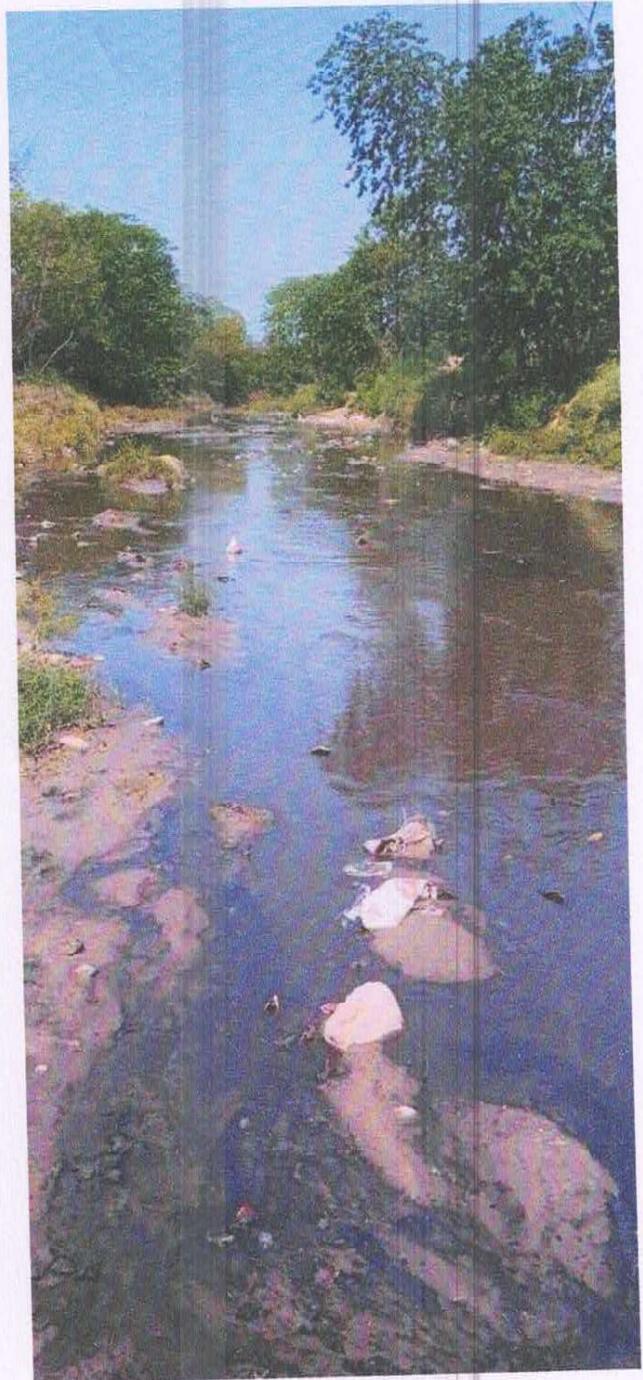
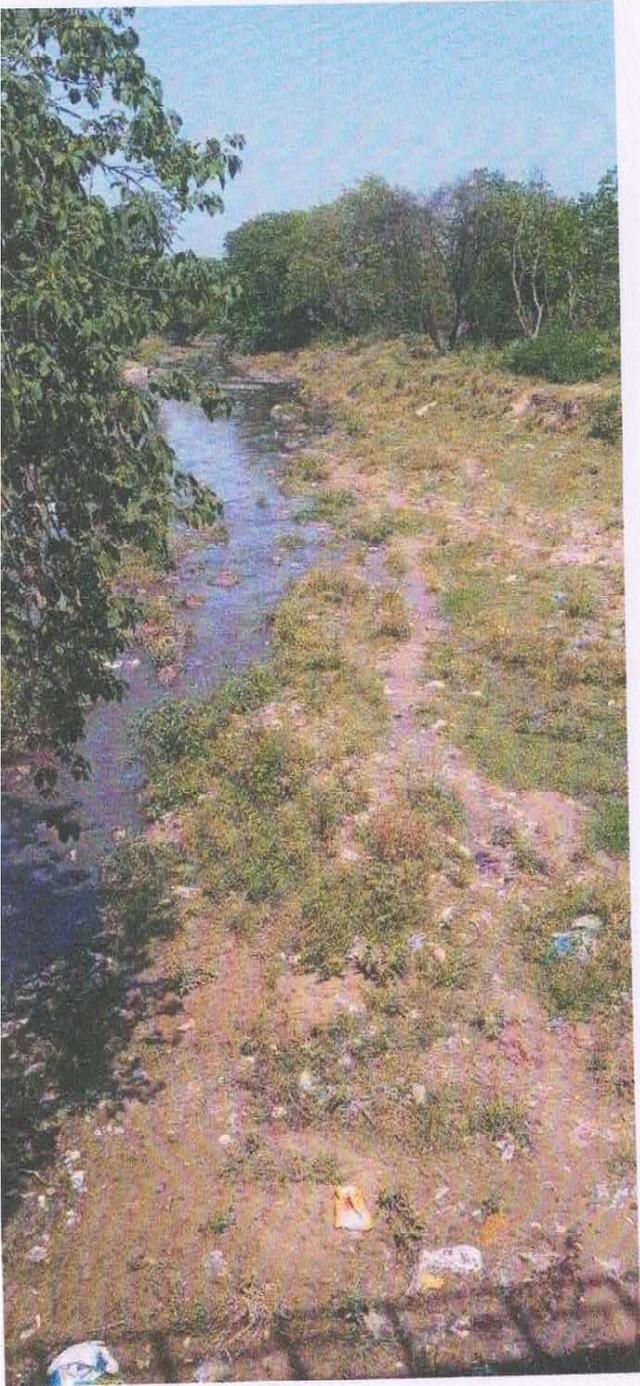
Dhanas Lake



Sukhna Choe



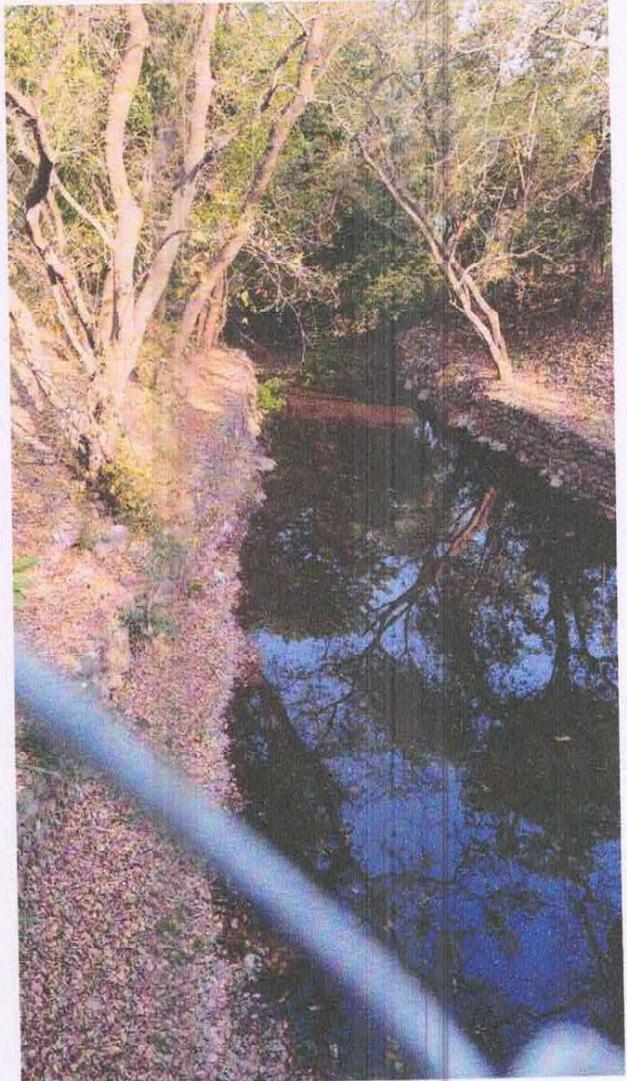
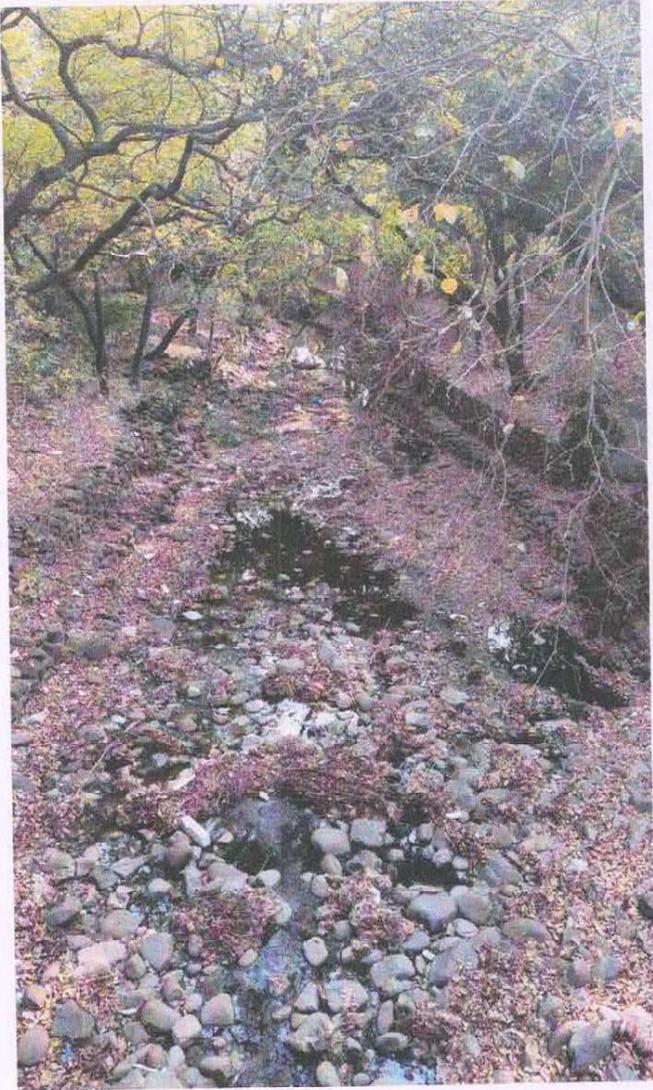
Patiala Ki Rao, Choe



Water Works, Sec-39



N-Choe



Botanical Garden

