BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

OA 52/2024

IN THE MATTER OF:

Navjot Singh Sidhu & Ors. … Applicants

Versus

State of Punjab & Ors. … Respondents

INDEX

S. no.	Particulars	Pg. no.
1.	Affidavit of Tushar Goyal, District Mining Officer, Rupnagar, Department of Mines and Geology, Punjab on behalf of respondents no. 2 & 5 in accordance with order dated 01.04.2024 and in reply to the replication on behalf of applicants affirmed on 07.03.2025	1-6
2.	**Annexure R-5/1:** Tabular representation of data from DSR dated 27.12.2022 and Auction notices	7-11
3.	**Annexure R-5/2 (Colly):** Auction notices	12-89
4.	**Annexure R-5/3:** Memorandum of Understanding dated 04.03.2025 executed with IIT Ropar	90-103
5.	**Annexure R-5/4:** 'Report on River Sand Replenishment for the Rivers of Punjab' for 2024	104-702
6.	Proof of service	703

Through Counsel

Divyam Nandrajog
Asst. Advocate General, Punjab
Advocate for respondents no. 1,2,4 and 5
103/1, Hans Bhawan, 1 Bahadur Shah Zafar Marg
New Delhi – 110002
+91 9711350679
divyamnandrajogadv@gmail.com

Place: Delhi
Date: 17.04.2025

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

OA 52/2024

IN THE MATTER OF:

Navjot Singh Sidhu & Ors. ... Applicants

Versus

State of Punjab & Ors. ... Respondents

Reply by way of affidavit of Tushar Goyal, District Mining Officer, Rupnagar, Department of Mines and Geology, Punjab on behalf of respondents no. 2 & 5 in accordance with order dated 01.04.2025 and to the replication on behalf of applicants affirmed on 07.03.2025

Most respectfully showeth:

I, the above-named deponent, do hereby solemnly declare and affirm as under:

1. That, during the hearing dated 01.04.2025, this Hon'ble Tribunal was pleased to grant time to the answering respondents to place on record the auction notices which form the basis of the mining leases which have been granted.

2720 17/4/25

2. That in accordance with this Hon'ble Tribunal's said directions, the key data from the auction notices for the said mining sites are hereby indicated alongside the key data published in the District Survey Report (hereinafter referred to as **"DSR"**) dated 27.12.2022, in a tabular form, annexed herewith as **Annexure R-5/1.**

3. That copies of the auction notices which form the basis of the mining leases, are annexed herewith as **Annexure R-5/2(Colly).**

NOTARY DALIP KUMAR CHANDIGARH Regd. No. 5604 Expiry dt. 25-3-2028 GOVT. OF INDIA

4. That strict monitoring of all mining sites is maintained by the Mining Department and penal provisions imposed in all cases where the statutory regime is violated. The Mining Department also takes corrective measures based on scientific data and for this reason, a Memorandum of Understanding dated 04.03.2025 has also been executed with IIT Ropar. A true copy of Memorandum of Understanding dated 04.03.2025 executed with IIT Ropar has been annexed as **Annexure R-5/3.**

5. The overall budget for the establishment of this centre is Rs. 10.81 crores for a period of 5 years. The program is envisaged to act a single point source for all spatial and temporal mining information in Punjab and to use remote sensing, satellite data, drone technology and other technological measures to curb unplanned activities. This centre shall also assess the socio-economic, ethical and environmental impact of mining in different regions.

RESPONSE TO THE APPLICANTS' REPLICATION DATED 07.03.2025

6. That, at the outset, all averments, submission, contentions and allegations contained in the replication on behalf of the applicants affirmed on 07.03.2025 (hereinafter referred to as **"the Replication"**) are denied, except those that are specifically and explicitly admitted hereinafter.

7. That paragraph no.1 of the warrants no response.

8. That paragraph no. 2 of the replication is denied.

9. That the issue raised by applicants regarding the letter issued by the respondent no. 6/State Environment Impact Assessment Authority (hereinafter referred to as the **"SEIAA"**) dated 29.09.2023, is beyond the purview of the answering respondent's scope of authority, and hence no response is being tendered in this regard.

10. That the scope of a DSR does not cover information regarding yearly environmental audits since it is beyond the objectives of a DSR as envisaged under the Sustainable Sand Mining Guidelines, 2016 **("2016 Guidelines")**. It is respectfully submitted that while preparation of a DSR is provided under Chapter 4.1.1 of the Enforcement & Monitoring Guidelines for Sand Mining, 2020 **("2020 Guidelines")** titled "Preparation of DSR", the issue of environmental audit is provided under Chapter 6.3 "Environmental Audit" of the 2020 Guidelines.

11. That, in accordance with the format of a DSR prescribed in Chapter 4.1.1 of the EMGSM, 2020, the impugned DSRs do not contain any provision for environmental audits. However, the provision for environmental audit as a separate statutory requirement is adhered by the Mining Department. It is submitted that the answering respondents adhere to procedural safeguards by ensuring that no mining operation is started without obtaining requisite environmental clearances from the

NOTARY DALIP KUMAR CHANDIGARH Regd. No. 5604 Expiry dt. 25-3-2028 GOVT. OF INDIA

SEIAA and without obtaining the consent to operate from the PPCB. It is further submitted that a five-member committee in accordance with this Hon'ble Tribunal's Order in OA 360 of 2015 continues to oversee this aspect.

12. That the answering respondents are in compliance of the regulatory requirement of conducting river audit and replenishment studies by entrusting the job to the Indian Institute of Technology (IIT) Ropar which has submitted detailed reports for the years 2023 and 2024. The 'Report on River Sand Replenishment for the Rivers of Punjab' for the year 2023 has already been placed on record vide Annexure R-6 (colly) of the Answering Respondent's reply dated 05.09.2024. A copy of the said report of 2024 is being annexed herewith as **Annexure R-5/4.**

13. That the contention raised by the applicant in paragraph no. 7.1 on page no. 1927 of the paperbook is denied. It is reiterated that the task of conducting river audit and replenishment studies has been entrusted to the Indian Institute of Technology (IIT) Ropar which has submitted detailed reports for the years 2023 and 2024, containing the requisite information in compliance with the statutory and regulatory framework.

14. In response to the assertion made by the applicants in paragraph no. 7.2 on page no. 1927, it is submitted that steps for rectification would be undertaken by the answering respondents in the Supplementary DSR which is already in the vetting process.

15. That in response to the contents of paragraph no. 7.3 on page no. 1927 regarding the census data, it is stated that it shall also be addressed in the Supplementary DSR that is already in the vetting process.

16. That the contention raised by the applicant in paragraph no. 7.3 in page no. 1927 regarding the total area of district Ropar is denied. It is submitted that the clerical errors in Table no. 06 of page no. 30 of the DSR dated 27.12.2022 have already been rectified vide the Amended DSR dated 15.07.2024 which now reflects the correct data in this regard.

NOTARY DALIP KUMAR CHANDIGARH Regd. No. 5504 Expiry dt. 25-3-2028 GOVT. OF INDIA

17. That the total government forest area is correctly stated as 5568.3 Ha in table no. 7 at page 31 of the amended DSR dated 15.07.2024.

18. That the data regarding cropping pattern has been correctly mentioned in the DSRs. That, whichever data was free from any error was left unaltered in the subsequent amendments to the DSRs.

19. That the contention raised by the applicant in paragraph no. 7.6 on page no. 1928 is denied to the extent that the discharge figures of water of various rivers in district Rupnagar are misleading and not form authentic reliable sources. It is submitted that the river discharge figures stated in the Amended DSR dated 15.07.2024 have been sourced from the Drainage cum Mining Department, District Rupnagar and hence are stated to be authentic.

20. That the contention raised by the applicant on page no. 1929 regarding replenishment of sand reserves in the ghats of Rivers Sutlej and Siwan are an assumption on the part of the applicants, in the absence of any credible data being provided by them and is therefore denied. It is submitted that credible data in this regard can be derived from the river audit and replenishment studies which have been undertaken by the Indian Institute of Technology (IIT) Ropar and for which a detailed report has been submitted.

21. That the contentions raised by the applicant on page no. 1930 regarding public consultation of the DSRs have already been addressed by the answering respondent in its reply dated 31.03.2025.

22. In response to the contention raised by the applicant on page no. 1931, it is submitted that while the DSR of District Rupnagar was published only on the website of district Rupnagar, the notices informing about public consultation were published in newspapers having state-wide circulation. As such, there is compliance with regards to the public consultation requirement for neighbouring districts.

23. That the assertions made by the applicants in paragraph no. 8.A.1 on page no. 1932 are denied. It is submitted that the correct data regarding replenishment in the riverbed of Sutlej can be derived from the river audit and replenishment studies report by IIT Ropar.

24. That the contention raised by the applicant in paragraph no. 8.A.2 and 8.B on page no. 1932 are vague and without merit. It is submitted that only those data which were found to be incorrect have been rectified in the amended DSRs and hence, the rest of the data have been replicated without alterations in the amended DSRs.

25. That that the assertion made by the applicant in paragraph no. 9 on page no.1933 is not denied to the extent that the final list of potential mining lease (proposed), final list of potential mining lease (existing), final list

NOTARY DALIP KUMAR CHANDIGARH Regd. No. 5604 Expiry dt. 25-3-2028 GOVT OF INDIA

of proposed patta land/khatedari and final list of proposed de-siltation locations has remained unchanged. However, it is denied that the data in the amended DSRs are incorrect or unreliable. That, in light of the answering respondent's reply dated 31.03.2025, it is once again respectfully submitted that the amendments made in the District Survey Report (DSR) of District Ropar are minor and primarily clerical in nature. The revisions were necessitated due to observational inconsistencies, typographical errors, and discrepancies found during verification with official records. That, therefore, data which were correct have been retained in the Amended DSRs without alterations.

26. That the assertion by the applicant in paragraph nos. 3 and 4 on page no. 1933 are incorrect and hence denied.

27. That the assertion by the applicant on page no. 1934 are incorrect and hence denied.

28. That the assertions by the applicant on page no. 1935 have already been addressed by the answering respondent in its reply dated 31.03.2025.

29. That the assertions made by the applicant on page no. 1936 are vague and do not warrant response on that ground.

30. That the assertions made by the applicant on page no. 1937 are vague and do not warrant response on that ground.

31. It is, therefore, respectfully prayed that in view of the above submissions, the instant original application may kindly be dismissed with costs being devoid of any merit and substance, in the interest of justice.

NOTARY
DALIP KUMAR
CHANDIGARH
Regd. No. 5604
Expiry dt. 25-3-2028
GOVT. OF INDIA

Place: Rupnagar

Date: 17-4-25

DEPONENT

Verification

Verified that the contents of para nos. 1 to 31 of my above affidavit are true and correct to my knowledge and as per information derived from the official record. No part of it is false and nothing relevant has been concealed or mis-stated therein.

Place: Rupnagar

Date: 17-4-2025

DEPONENT

(Tushar Goyal)

District Mining Officer, Rupnagar,

Department of Mines and Geology, Punjab

2720
17/4/25

Attested as Identified

17 APR 2025

NOTARY CHANDIGARH

NOTARY
DALIP KUMAR
CHANDIGARH
Regd. No. 5684
Expiry dt. 25-3-2028
GOVT. OF INDIA

Certified that the Affidavit/SPA/GPA/RA has been read over & Explained to the Deponent / Executant who stat directly to understand the same at time of making & signing the docume

2013

Annexure R-5/1

Majari	DSR dated 27.12.2022	Auction notice dated 22.03.2023
Area	10.15ha	4.98 Ha
Location	hadbbast no 266	hadbbast no 266
Depth	2.5m	N.A
Total Reserve(MT) as per area in row 2	207398.01	93276MT
Annual Concession Quantity	N.A	31092MT
Total Concession Quantity	N.A	93276MT
Qantity as per EC	N.A	N.A
Validity of EC	N.A	N.A
Method of mining	N.A	N.A
Date of grant of concession	N.A	N.A
Date of permission to start mining	N.A	N.A
Validity of Concession	N.A	3 Years

Executive Engineer / Ropar
Drainage-cum-Mining & Geology Division,
WRD Punjab

NK	DSR dated 27.12.2022	Auction notice dated 22.03.2023(NK-1 &2) , 13.05.2023 (NK-3)
Area	280.19ha	NK-1=68.79 Ha , NK-2= 19.92Ha, NK-3= 12.16 Total=100.87
Location	Hadbast NO 272	Hadbast NO 272
Depth	2.5m	N.A
Total Reserve(MT) as per area in row 2	4776932.09	(NK-1=1291521, NK-2=429975, NK-3=377914) Total=2099410
Annual Concession Quantity	N.A	(NK-1=430507, NK-2=143325, NK-3=112638) Total=686476
Total Concession Quantity	N.A	(NK-1=1291521, NK-2=429975, NK-3=377914) Total=2099410
Qantity as per EC	N.A	N.A
Validity of EC	N.A	N.A
Method of mining	N.A	N.A
Date of grant of concession	N.A	NA
Date of permission to start mining	N.A	N.A
Validity of Concession	N.A	3 Years

Executive Engineer / Ropar
Drainage-cum-Mining & Geology Division,
WRD Punjab

Chandpur	DSR dated 27.12.2022	Auction notice dated 13.05.2023
Area	19.65	8.2ha
Location	hadbast no 368	Hadbast No 368
Depth	1.67	N.A
Total Reserve(MT) per Year as per area in row 2	553413.168	70307
Annual Concession Quantity	N.A	70307
Total Concession Quantity	N.A	210921
Qantity as per EC	N.A	N.A
Validity of EC	N.A	N.A
Method of mining	N.A	N.A
Date of grant of concession	N.A	N.A
Date of permission to start mining	N.A	N.A
Validity of Concession	–	3 Years

Executive Engineer / Ropar
Drainage-cum-Mining & Geology Division,
WRD Punjab

Bhangal	DSR dated 27.12.2022	Auction notice dated 13.05.2023
Area	29.73ha	3.43ha
Location	Hadbast No 477	Hadbast No 477
Depth	(Siwan_03=1.21, Siwan_04=1.21, Siwan_05=1.21, Siwan_06=1.37, Siwan_07=1.37)	N.A
Total Reserve(MT) per Year as per area in row 2	603764.5936	16443MT
Annual Concession Quantity	N.A	16443MT
Total Concession Quantity	N.A	49329MT
Qantity as per EC	N.A	N.A
Validity of EC	N.A	N.A
Method of mining	N.A	N.A
Date of grant of concession	N.A	N.A
Date of permission to start mining	N.A	N.A
Validity of Concession	N.A	3 Years

Executive Engineer / Ropar
Drainage-cum-Mining & Geology Division,
WRD Punjab.

Dolowal	DSR dated 27.12.2022	Auction notice dated 13.05.2023
Area	2.82	2.09ha
Location	Hadbast No 344	Hadbast No 344
Depth	2.5m	N.A
Total Reserve(MT) as per area in row 2	46789.67	40875
Annual Concession Quantity	N.A	13625
Total Concession Quantity	N.A	40875
Qantity as per EC	N.A	N.A
Validity of EC	N.A	N.A
Method of mining	N.A	N.A
Date of grant of concession	N.A	N.A
Date of permission to start mining	N.A	N.A
Validity of Concession	N.A	3 years

Executive Engineer, Ropar
Drainage-cum-Mining & Geology Division,
WRD Punjab.

Government of Punjab
Department of Mines& Geology

Auction Notice
Notice No ...1820.....Dated ...22/03/2023

WHEREAS the State of Punjab has formulated and approved the Punjab State Minor Mineral Policy, 2023 under the Punjab Minor Mineral Rules, 2013 **[the 2013 Rules]** formulated by the State Government under the Mines and Minerals (Development & Regulations) Act, 1957**[the 1957 Act]**.

WHEREAS, the present notice is being issued for allotment of contracts of commercial mining sites/clusters mentioned in the attached **Annexure 1**. The Schedule is mentioned below:

SCHEDULE

Activity	Date	Time
Start date for Registration of Bidders and upload of documents/EMD payment	22.03.2023	02.00 PM
Pre-Bid Meeting	29.03.2023	11.00 AM
Last date for upload of Documents / EMD payment	12.04.2023	upto 02.00 PM
Opening of Technical Bid	12.04.2023	upto 03:00 PM
Opening of Financial Bid	19.04.2023	2.00 PM

- **Place of Pre Bid meeting:**

  Room 145, DC Complex, Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab.
- **Punjab State Minor Mineral Policy, 2023**

All the terms and conditions of the Punjab State Minor Mineral Policy, 2023 (Annexure 2) shall be the binding instructions for this auction notice. Further, in addition to terms and conditions of the Policy 2023, following terms and conditions are mentioned below:

Additional Terms & Conditions for the Auction:

1. **Submission of Bid/ Participation:**
   a. Each bid shall be submitted online through e-procurement website www.eproc.punjab.gov.in of Punjab Govt.
   b. To participate in the e-auction, prospective bidders shall have to get themselves registered with the e-Procurement portal (http://www.eproc.punjab.gov.in) and obtain user ID and password. Class

Scanned with OKEN Scanner

3 Digital Signature Certificate is mandatory for participating in the e-auction process.

2. Fees, EMD, Undertaking, Documents:

a. The prospective bidder shall deposit the application fee (non refundable) for participation in E-auction and EMD through a designated bank account which must be in his/her name (or company/firm) only. The bidder shall give the details of this designated bank account in his undertaking.

b. Prospective bidder shall deposit the EMD on the e-procurement website through e-payment gateway as described in the **Annexure 1** for mining site(s)/cluster(s), he/she plans to bid for. In case, the EMD deposited is less than the prescribed value or if prospective bidder deposits EMD from the bank accounts other than his designated bank account, then his/her technical bid shall be rejected.

c. Every bidder shall also deposit processing fees, as applicable, on the e-procurement website www.eproc.punjab.gov.in. This amount shall be non refundable.

d. Prospective bidder shall upload the following documents:

i. MS Excel undertaking **(Annexure 3)** shall be uploaded by prospective bidder on the e-procurement web site www.eproc.punjab.gov.in. This undertaking shall be downloaded from the e-procurement website only. If the undertaking is not uploaded as per requisite pro forma or giving incomplete information or upload the blank undertaking by any bidder, then his/her technical bid shall be rejected.

ii. An undertaking that he shall ensure the presence of Site Manager(s) and Software professional(s) for each cluster.

iii. Copies of Audited Final Accounts (Balance Sheet and Profit and Loss Account)/ Income tax returns for last three years to verify turnover, along with Statement of designated bank account duly signed by the bank

iv. Copy of PAN card

v. Copy of Aadhar Card

vi. Undertaking that Applicant/Firm is not defaulter in the payment of any dues of State Government/Govt. of India and he is not in legal dispute with the State Government as regards payment of any dues under the 2013 Rules or any previous mining contract and has not been convicted in any criminal offence by a competent court of law.

vii. An undertaking that he has read and agrees with the terms of this E-auction notice and the conditions set out therein.

Scanned with OKEN Scanner

e. On the date of verification of documents uploaded by the bidder, his eligibility to participate in the bidding process shall be ascertained. The ineligible/blacklisted agency/contractor/firm shall not be allowed to participate in the bidding process.

f. The documents must be submitted by individual/proprietor, society, partnership firm and company as applicable to the entity. In the event of delay in submission of aforesaid documents or submission of incorrect documents the bidder shall be solely responsible. For delay in user ID activation, all bidders are advised to register well in advance to avoid last-minute delays. For more details regarding registration process kindly refer to registration guidelines on the e-procurement website www.eproc.punjab.gov.in.

g. The prospective bidder may contact customer care of www.eproc.punjab.gov.in at telephone numbers **0120-4001002, 0120-4001005, 0120-6277787, 0172-2970263, 022-27560266** and **0172-2970284**for any technical queries related to participation and submission of the bids.

3. Process of Bidding:

a. The E-auction for award of mining rights shall be conducted site wise/cluster for the mining areas there under, through **e-auction** process where every interested prospective bidder can bid.

b. During E-auction if any bidder violates any rules, then he/she will not be allowed to participate in the e-auction and his EMD shall be forfeited. If Director decides that the violation is serious then he may prohibit the bidder to participate in e-auction for upto 3 years.

c. The Director/mining reserves the rights to cancel any bid given by the bidder, to annul the bidding process and reject all or any of the bids at any time or to exclude any mining site(s)/cluster from the auction and this being in the realm of contract, there shall be no obligation to communicate such reasons to any bidder.

d. Tenders of clusters shall be called by the Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab on the e-procurement portal. However, in case a situation of draw of lots arises than the same shall be held at Head Office level under Director Mining. The time and place shall be intimated well in time to all the H1 bidders.

4. Pre-Bid Meeting:

a. The Bidder or his official representative is invited to attend a pre-bid meeting which will take place at the address, venue, time and

Scanned with OKEN Scanner

date as indicated above.

b. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

c. The bidder is requested to submit any questions in writing to reach the department not later than 3 days before the meeting.

d. Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be uploaded on the e-procurement web site www.eproc.punjab.gov.in. Any modification of the auction notice, which may become necessary as a result of the pre-bid meeting shall be made by the department exclusively through the issue of an Addendum/Corrigendum pursuant to clause 5 and not through the minutes of the pre-bid meeting.

e. Non-attendance of any bidder at the pre-bid meeting will not because for disqualification of a bidder.

5. Amendment of Auction Notice

a. Before the deadline for submission of bids, the department may modify the auction notice by issuing addenda/corrigenda.

b. Any addendum/corrigendum thus issued shall be part of the auction notice and shall be uploaded on the e-procurement web site www.eproc.punjab.gov.in

c. To give prospective bidders reason able time in which to take an addendum/corrigendum into account in preparing their bids, the department may, at his discretion, extend as necessary the deadline for submission of bids.

6. Site Visit/Selection of Mining Areas:

a. The prospective bidder at his own level and expenses can visit the mining areas **(Annexure 1)** to satisfy himself as to the feasibility of conducting mining operations in the areas located in the said mining site(s)/cluster and also satisfy himself regarding quantity of minor mineral to be extracted from the mining site(s) he plans to bid for.

b. The department shall not be responsible in future for non-availability of material on the mining site(s)/cluster as per the auction notice, if the same is not brought into notice of the department by the bidder before submission of his/her bid.

c. The successful bidder shall have to apply for transfer the Environmental Clearance (EC) EC at his/her name from the competent authority.

Scanned with OKEN Scanner

d. The department will not be responsible for any reduction in Annual Concession Quantity by SEIAA or any other regulatory authority for any cluster. No relaxation will be given on account of Annual Concession Value due the said mentioned reason.

7. Provisional Acceptance, Award of Concession:

a. The provisional acceptance shall be issued by the Government in the name of successful bidder. The successful bidder shall deposit @ 35% of annual concession value as first installment from his designated account within 2 banking days from the date of issue of provisional acceptance, through designated bank account by RTGS/NEFT in the account of Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab as given in **Annexure** 4.

b. If the successful bidder does not deposit the requisite amount within the stipulated time (within 2 banking days, upto 5.00 pm after issuance of provisional acceptance) then the EMD deposited by him will be forfeited and he will be prohibited to participate in the coming e-auction for next 3 years.

c. In case, the successful bidder fails to deposit Security amount within 2 working days, up to 5.00 pm after issuance of provisional acceptance, the earnest money deposit shall be forfeited and he will be prohibited to participate in the coming E-auction for the next 3 years.

d. The EMD of the unsuccessful bidder shall be refunded within 7 banking days of provisional acceptance of the bid. This amount shall be refunded to the designated accounts through which the bidder remitted the EMD.

d. The concessionaire shall deposit Environment Performance Guarantee @ Rs.15,000/- per acre within 30 days from the date of execution of concession agreement with the District Mining Officer, in shape of FD/Cash/DD/Bank Guarantee having validity of 6 months over the concession period.

e. In addition to the annual concession value, the concessionaire shall deposit the quarterly land owner compensation in the bank account of Central Government/State Government/Panchayat/Private landowners @ Rs. 50/- per tonne through cheque as per the extraction done. The same shall be informed to the District Mining officer while producing the evidence. In case of violation, the concession shall be cancelled as per the 2013 Rules (as amended) and the concessionaire shall be blacklisted for a period of three years.

f. The concessionaire shall be bound to deposit T.D.S under Section 206-C(IC) of the Finance Act, 2004 (as amended). Every concessionaire shall

Scanned with OKEN Scanner

be bound to supply the Pan Number (for Income Tax) and GST Number (for GST) to the Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab.

8. Award of Concession and Signing of Agreement –

a. After completion of E-auction, the payment of 1st installment and security amount should be paid by the successful bidder only through this designated bank account and he/she will not be allowed to deposit any amount from any account other than his/her designated bank account. In case, if successful bidder deposits the said amount from the other account instead of his/her own account, the same shall be forfeited and the bid shall be cancelled.

b. The bank account details of Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab, in which 1st installment amount and security amount is to be deposited by successful bidder, is mentioned in **Annexure 4.**

c. In case, the successful bidder fails to execute and register the concession agreement within 15 days from date of issuance of provisional acceptance, the provisional acceptance of the bidder shall be cancelled and his first installment and Security deposit shall be forfeited and the bidder shall be blacklisted for 3 years and the fresh auction of mining cluster shall be held.

9. Site regulatory measures:

a. The successful bidder/contractor shall be bound to install boundary pillars for demarcation and fix the bench marks for regulation of depth of excavation at mining site(s) at his own expenses;

b. The successful bidder/contractor can start the excavation from the mining site(s) only after the execution of concession agreement and obtaining all necessary statutory and non-statutory clearances and installing electronic weigh bridge. It shall be ensured by the concessionaire that the weighbridge installed at each mining site must be able to measure the full weight of all types/sizes of vehicles/carriers used for transporting excavated material from the mining site.

c. The concessionaire shall put up notice board at the pit head of mining site(s) showing concession details like khasra Nos., quarry map, per annum quantity allowed, timing allowed for mining activity, concession period etc. and contact detail of Deputy Commissioner, District Mining Officer, and concessionaire etc. so that any person can give complaint if any.

Scanned with OKEN Scanner

d. The concessionaire shall allow the government employee near the weight machine so that he may check the register of measuring weight etc by the concessionaire.

e. The concessionaire shall send details of each measured vehicle electronically to the Department in prescribed form-T and the Department after verification of the said details issue slip electronically in prescribed form-T, which shall be downloaded by concessionaire and shall be used for transit of loaded minor sand mineral. The slips shall be issued only from the departmental web portal ie. https://minesandgeology.punjab.gov.in.

f. It shall be the responsibility of the concessionaire to level the pits, ditches, restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned simultaneously after carrying out excavation work as per conditions of mine closure plan so that there may not be any untoward incident. The concessionaire must leave the area in such a way that rehabilitation does not become a burden to the society after mining operation is over. It must also aim to create as self-sustained ecosystem.

n. No excavation work of minor mineral shall be carried out at protected reservoir or any forest area.

o. The present mode of excavation at each mining site of cluster permitted by SEIAA is already mentioned in **Annexure 1**. Further, the bidder at his own discretion may approach to SEIAA for granting permission to conduct semi mechanized mining operations in the Clusters where initially the permission has been granted manually. The Department shall facilitate such applications of successful bidders/contractors.

p. The mining operation shall be undertaken in a scientific and systematic manner i.e. mining operation should be consistent with the approved mining plan and guidelines issued by State Environment Impact Assessment Authority.

10. Other mandatory conditions:

a. The conditions mentioned in the environment Clearance shall be binding on the successful bidder/concessionaire.

b. The prospective bidder/ Contractor shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection)Act, 1986, Punjab Land Security Act, 1900, Indian Forest Act, 1927, Wild Lives (Preservation) Act, 1972, Mines Act, 1952, Mines and Minerals (Regulation and Development) Act, 1957, Forest (Conservation) Act, 1980,

Scanned with OKEN Scanner

Metalliferous Mines Regulation, 1961, Environment Clearance, Environment Management Plan, and Punjab Minor Mineral Rules, 2013 (as amended) as well as any conditions imposed by the environmental clearances.

c. The prospective bidder/ contractor shall also comply with the Punjab Minor Mineral Policy 2023, the terms of this auction notice as well as the Form L-1 form (as amended) statutory contract. In case any amendment is made in the 2013 Rules, or any other government rules, instructions, notification, circular are amended and/or issued, during the concession period, the same shall be binding on the contractor and shall be deemed to be part of this document and any contract executed with such contractor.

d. In the event of violation of any of the above, the contract may be cancelled by giving show cause notice or without giving any such notice in case of any emergency by competent authority and the amount deposited by the bidder/ contractor at the time of auction shall be forfeited.

11. Rights reserved to the State Government:

The bidders and their representatives shall observe the highest standard of ethics during grant of the mining concession. Notwithstanding anything to the contrary contained herein, the Government may reject a bid, withdraw the mining concession, as the case may be, without being liable in any manner whatsoever to the bidder or to the successful bidder, as the case may be. If the Government determine that the bidder or the successful bidder, as the case may be, has, directly or indirectly or through an agent, engaged in any corrupt fraudulent practice, coercive practice, undesirable practice or restrictive practice in the bidding process or subsequent to allotment, in such an event, the Government shall be entitled to forfeit and appropriate the EMD or Performance Security, as the case may be, as damages, without prejudice to any other right or remedy that may be available to the Government under the auction notification and/ or otherwise. However, before taking such an action, opportunity to show cause shall be issued to the affected parties in order to comply with the principles of natural justice.

For any clarification regarding the auction process, the bidders may kindly contact numbers mentioned in **Annexure-4.**

Scanned with OKEN Scanner

Detailed information regarding e-auction can be downloaded from the e-procurement website www.eproc.punjab.gov.in or can be collected from the office of undersigned.

Executive Engineer/Ropar/Shri Anandpur Sahib,
Drainage-Cum-Mining and Geology Division,
WRD, Punjab.

Scanned with OKEN Scanner

ANNEXURE-1

Details of Commercial Mining Sites (CMS)/ Cluster to be auctioned

Sr. No.	District	Name of Mine	Hadbast No.	Area (Ha)	Khasra Nos.	Maximum Quantity to be extracted in a single year (MT)	Maximum Quantity to be extracted in 3 Yrs (MT)	Maximum Concession Value for 3 years (Rs in lakhs)	Earnest Money Deposit (EMD) @ 5 % of Max. Concession Value (Rs in lakhs)	Present Method of excavation allowed by SEIAA
Cluster-VII										
1	Rupnagar	Nangra Kalmot-2	272	68.79	248,249,258,259,269,270,271,274,277,281,282,279,293,294/1,294,296,301,308,311,312,313,314,315,316,317,332,334,335,336,337,338,339,340,341,349,348,347,346,350,351,352,353,354,305,304,357,372,389,390,444/1,445,466,467/1,467/2,467/3,467/4,688,1277,1278,1279,397,398,399,401,455,456,459,770,771,773,774,775,777,778,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1194,1195,1196,1197,1198,1199,1200,1201,1202,1219,1220,1221,1222,1223,1224,1225,1290,1294,1295,1296,1297,1299,1300,1301,1303.	4,30,507	1291521			Manual
Sub Total				**68.79**		**4,30,507.00**	**12,91,521.00**	**322.88**	**16.14**	
Cluster-VIII										
2	Rupnagar	Nangra Kalmot-2	272	19.92	1046,1047,1049,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1072,1073,1075,1076/1,1077,1078,1079,1080,1083,1135,1136,1140,1142,1145,1146,1123,1147,1147/1,1148,1149,1151.	1,43,325	429975			Manual
3	Rupnagar	Majri	266	4.98	41(70-2), 39R/19/3(6-0), 39R/20(8-0), 39R/21(8-0), 39R/22(8-0).	31092	93276			Manual
Sub Total				**24.90**		**174417**	**523251**	**130.81**	**6.54**	

Sub Divisional Officer/Nangal,
Drainage-Cum-Mining and Geology Sub Division,
WRD Punjab.

Executive Engineer/Sri Anandpur Sahib,
Drainage-Cum-Mining and Geology Division,
WRD Punjab.

Scanned with OKEN Scanner

Punjab Government Gazette
EXTRAORDINARY
Published by Authority
CHANDIGARH, MONDAY, MARCH 13, 2023 (PHALGUNA 22, 1944 SAKA)

GOVERNMENT OF PUNJAB

DEPARTMENT OF MINES AND GEOLOGY

NOTIFICATION

The 13th March, 2023

PUNJAB STATE MINOR MINERAL POLICY, 2023

No. PB/Mineral Policy/2023/1293.–This Policy, drafted in accordance with the Punjab Minor Mineral Rules, 2013 framed under Section 15 and Section 23-C of the Mines and Mineral (Development and Regulation) Act, 1957, is hereby notified for achieving the following objectives :-

a. The Primary Objective of the policy shall be on providing sand and gravel at affordable rates to the consumers

b. The other objective of the Policy shall beto ensure that mining of sand and gravel is undertaken in a transparent and legal manner

c. In addition the policy seeks to achieve:

   a. Adequate Supply of sand and gravel in the State to meet the demand of the market.

   b. Transparent allotment of mining rights to achieve adequate supply of sand and gravel through private participation

   c. Adequate monitoring to check illegal mining

   d. Market interventions by the Government to check prices and to ensure adequate supply

Introduction

a. This policy may be called the PUNJAB STATE MINOR MINERAL POLICY, 2023.

b. It shall come into force from the date of Notification in the official gazette.

2. Definitions

In this Policy the following words shall have the meaning as indicated.

a. "Act" shall mean the *"Mines and mineral (development and regulation) Act 1957"*

b. "Annual Concession Quantity" shall mean the quantity of sand and gravel that the concessionaire

Scanned with OKEN Scanner

shall be allowed to mine from any Cluster of Commercial Mining Sites for any particular year during the period of Concession.

c. "Annual Concession Value"shall be the figure arrived at by multiplying the Annual Concession Quantity by the Revenue

d. "Commercial Project" shall mean any infrastructure project involving realty, roads, highways, railways or any building being constructed for commercial usage.

e. "Developer" shall mean the owner of a privately owned Commercial Project, or the appointed Contractor in case of a Government Commercial Project

f. "Director" shall mean the Director, Mines and Geology, Government of Punjab

g. "DMF Fund" shall mean District Mineral Foundation Fund and shall have the same meaning as mentioned in *The Punjab District Mineral Foundation Rules, 2018*

h. "DSR" shall mean the District Survey Reports as defined in Sustainable Sand Mining Management Guidelines, 2016 issued by the Ministry of Environment and Forests and Climate Change, Government of India

i. "EC" shall mean Environmental Clearance as defined in Notification S.O. 1533(E) dated 14.9.2006 issued by the Ministry of Environment and Forests, Government of India

j. "EMF" shall mean Environmental Management Fund and shall have the same meaning as mentioned in Rules

k. "Government" shall mean the Government of Punjab in the Department of Mines & Geology

l. "Maximum Concession Value" shall mean the value arrived at by multiplying Revenue and the total quality of sand and/or gravel in any CMS or cluster of CMS as mentioned in Annexure VII

m. "Pit-head Price" shall mean the net sale price of sand or gravel excluding GST, at any Mining Site under this Policy

n. "Portal" shall mean the web-portal https://minesandgeology.punjab.gov.in

o. "Revenue" shall mean the sum of Royalty, EMF and DMF as defined in the Pit-head Price

p. "Royalty" shall have the same meaning as mentioned in the Rules

q. "Rules" shall mean the *Punjab Minor Mineral Rules, 2013*

r. "Secretary" shall mean the Administrative Secretary Mines & Geology, Government of Punjab

s. "SEIAA" shall mean the State Environmental Impact Assessment Authority as defined in the Notification S.O. 1533(E) dated 14.9.2006 issued by the Ministry of Environment and Forests, Government of India

t. "Total Concession Quantity" shall mean the total quantity of sand and gravel which the concessionaire commits to mine during the concession period in any Cluster of CMS

u. "Total Concession Value" shall mean the amount calculated by multiplying the Total Concession Quantity quoted by the Concessionaire with the Revenue.

v. "Year" shall mean an initial period of 365 days calculated from the date of permitting of Mining Rights to any concessionaire, and every 365 days subsequently.

Scanned with OKEN Scanner

3. Mining Sites

a. There shall be two classes of Mining Sites namely Commercial Mining Sites (CMS) and Public Mining Sites (PMS). While Commercial Mining Sites shall be grouped into distinct Clusters, the Public Mining Sites shall be stand alone sites.

b. Annexure I gives District-wise details of Mining Sites for which EC has been granted by SEIAA along with estimated available sand and gravel in these Sites, the period of validity of the EC and the method of excavation permitted by SEIAA

c. Annexure II gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Mechanical excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

d. Annexure III gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Semi-Mechanical excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

e. Annexure IV gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Manual excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

f. Annexure V gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which no order permitting mining through any form has been permitted by SEIAA, along with estimated available sand and gravel in these Sites.

g. Annexure VI gives details of estimated available sand and gravel in the Mining Sites earmarked as PMS, the excavation method permitted by SEIAA, the validity of such permission and the quantities to be allowed for quarrying.

h. Annexure VII gives details of estimated available sand and gravel in each Cluster of earmarked CMS Sites, the excavation method permitted by SEIAA, the validity of such permission and the quantities to be allowed for quarrying.

i. Annexures I-VII can be amended at any time by the Government

4. Public Mining Sites

a. Each PMS shall be operated by the Department of Mining & Geology or any Agency or official nominated by it through a special order.

b. Only manual excavation of sand shall be permitted in PMS and the excavated sand shall not be used in commercial projects.

c. Consumers shall be permitted to arrange a vehicle and/or labour to a PMS site for the purpose of excavation of sand and its transportation.

d. Sand shall be sold at the pit-head price plus GST at any PMS

e. The cost of excavation, loading and transportation of sand from any PMS shall be borne by the consumer at his level.

Scanned with OKEN Scanner

f. Presence of any heavy machinery such as Tipper or JCB in any PMS shall be assumed to be for the purpose of illegal mechanical mining and legal action shall be initiated immediately.

g. The onus of ensuring that the sand purchased from a PMS is not used in any commercial project shall lie on the purchaser. In case it is discovered that the sand excavated from a PMS has been used in a commercial project, an amount equal to three times the pit head price of the sand shall be recoverable from the Developer.

h. The onus of ensuring the road worthiness of any vehicle arranged by a consumer for transportation of sand from a PMS shall lie on the consumer. Any authority prescribed under the Motor Vehicle Act, 1988, as amended from time to time, may at any time inspect any vehicle and take such legal action as is deemed fit, in case the vehicle is found contravening any provision of the said Act.

5. Commercial Mining Sites

a. Mining Rights of clusters of CMS shall be granted to concessionaires selected through a transparent e-tendering process. Methodology of excavation of sand and gravel in these sites shall be as permitted in the Annexure VII to this Policy.

b. The Concessionaire shall be responsible for creating necessary infrastructure at the site in accordance with the guidelines issued from time to time. He shall also be responsible for ensuring that mining in the CMS allotted to him is done strictly in accordance with the guidelines issued by the Director and/ or SEIAA and/or Ministry of Environment & Forests, Government of India from time to time.

Clusters

CMS may be grouped into distinct Clusters with an aim of ensuring adequate competition and viability of operations.

Grant of Mining Rights

a. Mining rights of Sand and gravel in a Cluster of CMS shall be allotted through e-tender by 2-Bid system involving Technical Bid and Financial Bid in accordance with the provisions of the Act.

b. The Bid parameter shall be the Total Concession Quantity and the H1 bid of equivalent Total Concession Value shall be the sole determining factor in the Financial Bid for award of the Tender for any Cluster.

c. Wherever there is a tie for the H1 Bid, the tie shall be resolved by the Director through draw of lots and the procedure shall be videographed. The Concessionaires who have given the tied H1 bid shall be encouraged to be present at the time of draw of lots. They may independently arrange to videograph the process at their respective costs, and the Director shall allow the same. Any Concessionaire who has given a bid lower than the H1 bids shall not be allowed to be present during the draw of lots.

d. Upon successful completion of the tender process, the Director shall, with the approval of the Government, issue the order proposing grant of mining rights to the successful Concessionaires in such Form as may be prescribed and on fulfillment of such conditions as may be prescribed.

Period of Concession:

a. The Mining Rights for any cluster of CMS shall be awarded for a period of three years.

b. The Government may, at its discretion, extend these rights for a period of not more than six months for reasons to be recorded in writing.

Scanned with OKEN Scanner

Application for Grant of Mining Rights

Any person desirous of grant of mining rights in a CMS / cluster of CMS shall submit his bid online on the e-tendering portal.

Application Fee

a. Each bid for grant of mining rights shall be accompanied by a fee of Rs. 25,000 (non-refundable) through the e-tendering portal.

b. In accordance with the provisions of the Act, the bidder shall also submit an EMD equivalent to 5% of the Maximum Concession Value of his bid through the e-tendering portal, which shall be refunded in case the bid is unsuccessful.

c. EMDs of successful bidders shall be adjusted in the initial quarterly payments due from them.

Eligibility and Capacity –

a. Registered companies, partnerships, societies including co-operative societies, sole proprietors and individuals shall be eligible to apply for Mining Rights subject to fulfillment of the following eligibility criteria:

b. Average annual turn-over of the bidder during the last three financial years ending 31st March must not be less than Rs. 2 crore

c. The bidder shall undertake to ensure the presence of Site Manager(s) and Software professional(s) for each cluster.

Total Concession Quantity

a. The Total Concession Quantity, shall be the bid parameter and shall in no case be higher than quantity of sand and gravel defined for a Cluster in Annexure VII.

b. The estimated available quantity in each Cluster is, however, indicative and it is responsibility of the bidder to make his own assessment about it before submitting a bid.

c. The Department shall not be liable to compensate the miner in any way for any subsequent case of proven mismatch between the actual quantity of sand and gravel on the ground and the quantity defined in Annexure VII.

Annual Concession Quantity

a. The normal Annual Concession Quantity, shall be fixed at 1/3rd of the Total Concession Quantity.

b. The Concessionaire may, at any time before the conclusion of the 1st year of the Concession, offer to excavate a quantity higher than the normal Annual Concession Quantity for the first year, and wherever such an offer has been received, the same shall be allowed by the Govt., and the Annual Concession Quantity for the 1st year shall then be pegged at such an offered quantity,

c. Any rise in Annual Concession Quantity for the first year, due to such an offer by the Concessionaire, shall be offset by a corresponding reduction in the Annual Concession Quantity of the 3rd Year.

d. The Concessionaire may, at any time before the conclusion of the 2nd year of the Concession, offer to excavate a quantity higher than Annual Concession Quantity fixed for the 2nd year, and wherever such an offer has been received, the same shall be allowed by the Govt., and the Annual Concession Quantity for the 2nd year shall then be such offered quantity.

e. Any rise in Annual Concession Quantity for the 2nd year, due to such an offer by the Concessionaire, shall

Scanned with OKEN Scanner

rue offset by a corresponding reduction in the Annual Concession Quantity of the 3rd Year.

Sale Price of sand & gravel:

a. Both sand and gravel shall be sold by the concessionaire at the pit head i.e. at the mining site from where the material has been excavated. Sand and gravel shall only be sold at the pit head price fixed under this Policy. The detailed breakup of the pithead price is placed at Annexure VIII to this policy

b. The government may at any time notify the maximum rates, linked to distance, that can be charged per cubic feet for transportation of sand and gravel. Wherever such rates have been notified, it shall be the duty of the concessionaire to verify that the transporter has not charged more than the notified rate, and where it is discovered that the rate charged is more, he shall decline to sell sand/gravel to such a transporter.

c. Violation of the above condition may result in cancellation of the agreement and forfeiture of the security amount

Power to revise Pit Head Price

(i) The government may, at any time, revise the pit head price for any CMS or PMS notwithstanding the fact that such CMS have already been allotted for mining to any concessionaire under this policy. Where any such revision in pithead price is decided by the government, the concessionaire shall be bound to sell the sand and gravel at the revised pithead price.

ii) The revision in pithead price may be effected by a change in any of the entries at Sr No 1-4, 6 and 8 in the Table in Annexure VIII to this policy. Under no circumstances will the entry at Sr No 5 related to _"Cost of Excavation & loading and Profit Margin for Concessionaire in any CMS" _ be changed after award of Mining rights to any Concessionaire.

Concession Amount

a. The concession shall be awarded at a lump sum amount equal to the Total Concession Value. The Concessionaire shall pay to the Government, or to any Agency authorised by it in this regard, the concession amount in quarterly installments in advance for each quarter as per the following schedule :

   i. 35% of Annual Concession Value for the first three months of the year

   ii. 25% of Annual Concession Value for the next three months of the year

   iii. 20% of Annual Concession Value for the next three months of the year

   iv. 20% of Annual Concession Value for the last three months of the year

b. The quarterly installments shall be payable irrespective of whether the Concessionaire has been able to commence the mining operations satisfactorily or not.

Security

a. In order to discourage frivolous/ bids, a Security in the form of cash or Demand Draft or bank guarantee shall be received from the successful bidder, and which shall be 25% of Annual Concession Value.

b. The amount of security shall be adjusted in the last instalment(s) after adjustment of any other dues to be recovered.

c. The Director shall also reserve the right to draw from the Security any amount recoverable from the concessionaire on account of deficiency in services, including the value of any quantity of sand and gravel discovered to be illegally extracted by the Concessionaire. The contractor shall be charged at thrice the pit head rate for any quantity illegal extracted by him.

Scanned with OKEN Scanner

Award of Concession and Signing of Agreement –

a. The successful bidder shall be awarded the concession to mine sand and gravel for a period of 3 years.

b. The successful bidder shall execute and register the concession agreement within 15 days from date of issuance of provisional acceptance as per Form-L1 under rule 42G of the Rules which may be suitably amended from time to time, and give requisite performance guarantee.

Start of concession period :

Concession period of the Concessionaire shall commence after

i. One month of award of provisional acceptance; OR

ii. Signing of the contract agreement, obtaining all required clearances, installation of electronic weigh bridge and deposit of the security amount and first quarterly advance installment whichever is earlier.

Identification of Mines and Clearances –

a. The Department shall be responsible to hand over the CMS / Cluster of CMS to the Concessionaire.

b. All ECs and permissions from SEIAA shall also be obtained by the Department of Mines & Geology.

c. The EC for any CMS shall be temporarily transferred, with the approval of SEIAA, to the Concessionaire for the period for which mining rights for such a CMS have been granted to him.

d. The Department shall, however, reserve the right to withdraw the EC from any Concessionaire at any time for reasons to be recorded in writing.

e. The Concessionaire shall obtain the consent of the land owner(s), wherever the same is not available, arrange for all infrastructural requirements like a right of way etc.

f. Desilting operations in any water channel shall not be allowed to any Concessionaire under this policy.

g. The Director may at any time deploy such physical/ digital monitoring mechanisms through the resources of the Government, as are deemed necessary, in any CMS/ Cluster of CMS/ PMS to check whether the operations are being carried out in accordance with this policy or not.

Construction of Basements in Buildings :

a. Rs. 5 per sq. ft. shall be charged by the Town Planning Authority or any Authority duly authorized by the department, approving the building plans where construction of basement is proposed for each storey of basement to be constructed.

b. This shall not be applicable for residential houses of any size or for any other building on a plot size upto to five hundred square yards.

c. The revenue collected shall be collected by respective local bodies/ Town Planning authorities and deposit it in the appropriate Receipt Head of the Department.

Royalty Rate of Clay and Ordinary Earth:

a. The royalty rate of ordinary clay and ordinary earth is fixed at Rs. 2.00 per cubic feet for use in construction of Commercial Infrastructure Projects except brick kilns.

b. Further, no royalty rate shall be imposed on excavation of ordinary clay and ordinary earth which is to be used by farmers for activities other than commercial infrastructure projects.

Excavation of Ordinary Earth :

a. Only Manual excavation of ordinary earth shall only be permitted for non commercial projects in the area

Scanned with OKEN Scanner

up to 2 acres or depth upto 3 feet. The land owner shall obtain prior permission of the department. The Department shall facilitate online submission and clearance of all such applications within 7 days of receipt.

Unauthorised Transport of sand & Gravel:

a. State Govt. shall collect Royalty and penalty amount from all the vehicles carrying processed or unprocessed minor minerals, which do not possess requisite documents, across the interstate borders into the State of Punjab provided that the sum collected from each vehicle shall not be less than the pit-head price fixed for sale of sand or gravel, as the case may be, at the Mining Site.

b. The Government shall notify the rate, from time to time, at which the sum is to be collected. Further, confirmation receipt in a form prescribed by the govt. shall be issued immediately to all such vehicles.

Failure to excavate adequate quantity :

Where any concessionnaire fails to excavate at least 60% of the annual concession quantity, a penalty equal to 20% of concession value of the shortfall will be payable by the concessionaire at the close of the respective year before further mining is allowed.

Surrender of Concession

The Government may accept the concessionnaire's request for surrender of a concession subject to the condition that 75% of the Security shall be forfeited in case the request is received in the 1st year, 50% of the Security shall be forfeited in case the request is received in the 2nd year and 30% of the Security shall be forfeited in case the request is received in the 3rd year,

Punjab Sand Portal –

a. The Department is implementing an Online Punjab Sand Portal and sale of sand to all consumers, small, medium or large, will be through online mode. All transactions/payments will be captured through an online real time monitoring system.

b. Sale of sand will be controlled by electronic documentation linked to a central documentation monitoring facility which will upload the daily progress report on the portal.

c. The concessionaire of each CMS/ Cluster of CMS shall have to notify the rate of sand on this portal. The summary of online order and the quantity of available sand at the mine shall be available on the portal. Punjab Sand Portal shall be a facility available to consumer and act as an MIS for the department and concessionaire. A mobile app shall also be launched for booking of orders by consumers. Online orders can be booked from Divisional Mining Office or Sub-Divisional Mining Office.

d. All big consumers i.e. contractors or firms consuming more than 2,50,000 cubic feet sand, gravel, river bed material and ordinary earth in total in a project such as in Roads, Irrigation Works, Dams and Buildings of any type will be required to keep record of and check authenticity of way slips from official web-site of the department. The Director will create a facility on the Sand Portal that will allow these consumers to scan the QR codes of weighment slips of sand and gravel used by them, and thus automatically upload the quantity on the portal. They will file a return online annually with the Mining department indicating the consumption along with log of way slips failing which they shall be liable to pay the Government dues along with 50% of it as penalty.

Registration of Vehicles on Punjab Sand Portal –

a. All commercial vehicles used for transportation of sand, from CMS shall be registered on the sand portal These vehicles shall have Hologram and such other marking facilities as may be ordered by the Government from time to time.

Scanned with OKEN Scanner

b. The Department shall endavour to create a facility to allow consumers to purchase the sand and gravel online through the departmental web-portal i.e. https://minesandgeology.punjab.gov.in. As and when such a facility is created, it shall be binding on the Concessionaire to accept online orders received from the portal and service them on priority.

c. The list of all the registered vehicles along with their contact details shall be displayed for the customers to place orders for transportation.

d. In the case of PMS the details of the vehicles shall be uploaded at the time of sale of sand or gravel at the pit-head.

Weigh-bridges and Weighment Slips

a. Each mine shall have an electronic weigh-bridge, integrated with a central server. Any vehicle found carrying sand without proper weighment slip shall be liable to be seized under the provisions of the Mines and Minerals (Development and Regulation) Act, 1957 or the rules made there under.

Provided that the Director may, with the approval of the Government, allow issuance of weighment slips on the basis of volumetric calculation of sand in PMS, wherever there is a delay in installment of weighbridge in such a PMS.

b. The concessionaires shall be responsible for installation of weighbridge at sites, their operation, integration with the department web portal and installation of CCTV cameras at sites.

c. The weighment slips for transportation of sand will have the security features like bar codes, QR codes and will be stamped with date and time along with all other information.

d. All vehicles carrying sand shall mandatorily carry the weighment slips for transportation of sand.

e. Revenue collected by the Concessionaire against Information and Technology pegged @ 8paise per cubic feet of Annual Concession Quantity, shall be deposited in the State exchequer by the contractor along with other quarterly installments.

f. It shall be the responsibility of the contractor for maintenance of roads connecting mining sites and to ensure that traffic is not interrupted in the vicinity of mine due to the movement/breakdown of vehicles carrying sand and gravel.

Geo-tagging of mines –

Geo-tagging of the mine area will be carried out while conducting physical inspection as the boundary of the mine will be checked using the coordinates recorded in GPS device, and the monitoring team can check whether any mining activity is going on outside the permitted area or not.

Currently auctioned mines to continue operations

The mines which are currently auctioned shall continue to operate till the completion of their tenure and shall be excluded from the mining rights to be auctioned under this policy.

Amendment in Rules

Necessary amendment to the Punjab Minor Mineral Rules, 2018 shall be made separately, wherever required, in accordance with the Punjab State Sand and Gravel Policy, 2023.

Review

The Government may from time to time review this policy and issue fresh guidelines or amendments as it may deem fit.

Scanned with OKEN Scanner

Implementation and Appeal

a. The Director of Mines and Geology, Punjab shall take immediate necessary action for the implementation of the policy and make necessary arrangements for its wide publicity.

b. Due publicity shall be done for the information of public at large through mass media, notice boards at pit head of the mine sites to ensure that no one charges any amount more than the pit head rates. In case any State Government official is found to create hindrance in the mining operations without any valid reason or justification, then the disciplinary proceedings shall be carried out as per rules. In case any contractor charges more than the fixed selling prices, his agreement shall be cancelled and due penalty shall be imposed.

c. Dedicated toll free number shall be made available to the consumers to register their complaint, when they are charged more than the fixed selling price of sand and gravel.

d. Wherever a specific provision of appeal against any order passed by the Director, in pursuance of implementation of this policy, does not exist in the Rules, such an appeal shall lie before the Secretary.

Sd/-
GURKIRAT KIRPAL SINGH IAS,
Secretary to Government of Punjab,
Department of Mines and Geology

Scanned with OKEN Scanner

ANNEXURE-I

Mining Sites with valid EC and Method of Excavation Permitted by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
1	ROPAR	Surewal	52.75	78161	30.11.23	Semi Mechanized
2	ROPAR	Dayapur	48.68	63000	30.11.23	Semi Mechanized
3	ROPAR	Plassi	19.45	22000	30.11.23	Manual
4	ROPAR	Bhallan	5.1	12240	30.11.23	Manual
5	ROPAR	Nangran	32.39	11542	19.02.23	Manual
6	Ludhiana	Akkuwal (Riverbed Mine)	20.65	903231	02.05.24	Semi Mechanized
7	Ludhiana	Hujra (Riverbed Mine)	22.26	973652	03.05.24	Manual
8	Ludhiana	Boont (Riverbed Mine)	24.28	1062007	03.05.24	Semi Mechanized
9	Ludhiana	Khasi Kalan (Off River Mine)	3.85	41406	05.11.27	Manual
10	Ludhiana	Gousian Khan Mohammad Contractor (Riverbed Mine)	24.69	1079941	03.05.24	Manual
11	Ludhiana	Chakli Kasab (Riverbed Mine)	8.2	358668	03.05.24	Manual
12	Ludhiana	Bhukri Khurd (Off River Mine)	17.23	107663	03.05.24	Manual
13	Ludhiana	Balliewal (Off River Mine)	12.31	107688	03.05.24	Semi Mechanized
14	Ludhiana	Rattangarh (Off River Mine)	13.76	110487	03.05.24	Semi Mechanized
15	Ludhiana	Lubhangarh (Riverbed Mine)	6.77	42303	03.05.24	Manual
16	Ludhiana	Baunkar Gujran (Riverbed Mine)	7.5	41871	03.05.24	Manual
17	Ludhiana	Kutbewal Arian (Riverbed Mine)	10.12	442649	02.05.25	Manual
18	SBS Nagar	Begowal	1.42	9504	04.05.23	Manual

Scanned with OKEN Scanner

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
19	SBS Nagar	Arzi Derya Brand Rail (1)	4.9	127422	05.11.27	Semi Mechanized
20	Jalandhar	Vehra	13.15	575181	03.05.25	Manual
21	Jalandhar	Danewal	10.12	442694	03.05.25	Manual
22	Jalandhar	Mann Sahib	18	787320	03.05.25	Manual
23	Jalandhar	Chak Budala	7.66	335048	03.05.25	Manual
24	Jalandhar	Pipli	4.451	194643	03.05.23	
25	Ferozepur	Bandala	1.62	70801	22.10.23	Manual
26	Ferozepur	Kamalwala-2	3.6	157584	21.10.23	Manual
27	Ferozepur	Jama Mega	4.45	194357	21.10.23	Manual
28	Gurdaspur	Raji Beli	14.5	636502	03.05.25	Manual
29	Gurdaspur	Gurchak	6.79	296994	03.05.25	Manual
30	Gurdaspur	Mugla	4.39	192049	30.09.23	Manual
31	Gurdaspur	Kishana	1.92	83980	30.09.23	Manual
32	Gurdaspur	Chak Ram Sahai	19.2	170000	19.2.23	Semi Mechanized
33	Hoshiarpur	Rara	12.94	565995	03.05.25	Manual
34	Hoshiarpur	Taggar Kalan	13.36	730458	03.05.25	Manual
35	Pathankot	Muthi	12.71	694918	03.05.25	Manual
36	Pathankot	Samrala	11.78	644072	03.05.25	Manual
37	Pathankot	Mamoon-1	88	528000	21.11.23	Semi Mechanized
38	Pathankot	Dulpat	11.6	100000	21.11.23	Semi Mechanized
39	Pathankot	Barsoon	12.4	100000	21.05.23	Semi Mechanized
Total			**608.951**	**13096031**		

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

ANNEXURE-II

Mining Sites (in DSR) with Mechanical excavation permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Note: The Government may at any time amend the annexure

ANNEXURE-III

Mining Sites (in DSR) with Semi-Mechanical excavation permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
1						
2						
3						
4						
5						
6						
7						

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

ANNEXURE-IV

Mining Sites (in DSR) with Manual Excavation Permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
DISTRICT FAZILKA							
1	Badha	3.64	145650	31.03.2023	manual	Sand	Total Sites =19 Nos. of B1 Sites= 01 Nos. of B2 Sites= 18
2	Badha	0.20	7993	31.03.2023	manual	Sand	
3	Behak Hasta Uttar/ghurka	1.89	69838	31.03.2023	manual	Sand	
4	Navi Basti Salemshah	2.63	105833	31.03.2023	manual	Sand	
5	Mahatam Nagar	1.18	43881	31.03.2023	manual	Sand	
6	Abdul Khaliq urf Miana Basti	4.22	151222	31.03.2023	manual	Sand	
7	Ganjuana, Shikarpur urf Kawan wali	5.56	165631	31.03.2023	manual	Sand	
8	Mohar Singh wala Hithar	2.03	77556	31.03.2023	manual	Sand	
9	Sukhera Bodla	2.04	77085	31.03.2023	manual	Sand	
10	Chak Gareeban Sandar	1.89	74954	31.03.2023	manual	Sand	
11	Amir Khas	1.93	72445	31.03.2023	manual	Sand	
12	Thara Singh wala Uttar	2.02	76322	31.03.2023	manual	Sand	
13	Mohar Singh wala Hithar	1.82	73713	31.03.2023	manual	Sand	
14	Sukhera Bodla	1.28	49541	31.03.2023	manual	Sand	
15	Sukhera Bodla	1.69	64977	31.03.2023	manual	Sand	
16	Thara Singh wala Uttar	2.56	94281	31.03.2023	manual	Sand	
17	Mohar Singh wala	0.37	14727	31.03.2023	manual	Sand	
18	Mohar Singh wala	1.57	63393	31.03.2023	manual	Sand	
19	Mohar Singh wala	4.86	198936	31.03.2023	manual	Sand	
	Total	**43.38**	**1627978**				
DISTRICT LUDHIANA							
1	Chakli Kasab	40.67	1878954	20.04.2023	manual	Sand	Total Sites =57 Nos. of B1 Sites= 22 Nos. of B2 Sites= 35
2	Dhulewal	32.75	670786	20.04.2023	manual	Sand	
3	Dhulewal	3.97	55024	20.04.2023	manual	Sand	
4	Dhulewal	5.65	46115	20.04.2023	manual	Sand	
5	Dhulewal	1.08	14304	20.04.2023	manual	Sand	
6	Dhulewal	1.37	33546	20.04.2023	manual	Sand	
7	Garhi Fazal	7.81	215650	20.04.2023	manual	Sand	
8	Burj Matewara	0.49	23079	20.04.2023	manual	Sand	
9	Burj Matewara	24.83	1169493	20.04.2023	manual	Sand	
10	Rour	53.47	2518437	20.04.2023	manual	Sand	
11	Burj Matewara	10.00	471000	20.04.2023	manual	Sand	
12	Rour	3.68	173328	20.04.2023	manual	Sand	
13	Sasrali Colony	1.28	50441	20.04.2023	manual	Sand	
14	Sasrali Colony/Boont	20.05	572909	20.04.2023	manual	Sand	
15	Boont	18.73	882183	20.04.2023	manual	Sand	
16	Boont	3.64	153157	20.04.2023	manual	Sand	
17	Churwal	1.51	70668	20.04.2023	manual	Sand	
18	Sujatwal	3.71	173628	20.04.2023	manual	Sand	
19	Sujatwal	1.22	57096	20.04.2023	manual	Sand	
20	Sujatwal/Jamaal pur Lily	2.92	136656	20.04.2023	manual	Sand	
21	Sujatwal/Jamaal pur Lily	10.08	471744	20.04.2023	manual	Sand	
22	Jamaalpur Lily	3.77	176436	20.04.2023	manual	Sand	
23	Jamaalpur Lily	8.45	395460	20.04.2023	manual	Sand	
24	Jamaalpur Lily	1.91	89388	20.04.2023	manual	Sand	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
25	Jamaalpur Lily	9.99	467532	20.04.2023	manual	Sand	
26	Jamaalpur Lily/Kasabad	10.65	498420	20.04.2023	manual	Sand	
27	Jamaalpur Lily/Kasabad	10.97	513396	20.04.2023	manual	Sand	
28	Kasabad	0.68	27369	20.04.2023	manual	Sand	
29	Kasabad	15.68	733824	20.04.2023	manual	Sand	
30	Kasabad		0	20.04.2023	manual	Sand	
31	Kasabad		0	20.04.2023	manual	Sand	
32	Kasabad	0.65	30420	20.04.2023	manual	Sand	
33	Kasabad	0.24	11232	20.04.2023	manual	Sand	
34	Talwandi Kalan	1.11	51948	20.04.2023	manual	Sand	
35	Manewal	32.95	1512405	20.04.2023	manual	Sand	
36	Talwandi Naubad	21.36	647080	20.04.2023	manual	Sand	
37	Gorsian Khan Mohammad	2.27	104193	20.04.2023	manual	Sand	
38	Hujra	8.82	184876	20.04.2023	manual	Sand	
39	Maddepur	20.59	671316	20.04.2023	manual	Sand	
40	Parjian Biharipur	32.49	1212917	20.04.2023	manual	Sand	
41	Kannian Hussaini	2.71	31097	20.04.2023	manual	Sand	
42	Kannian Hussaini	1.66	61463	20.04.2023	manual	Sand	
43	Kannian Hussaini	2.79	90496	20.04.2023	manual	Sand	
44	Kannian Hussaini	4.49	116614	20.04.2023	manual	Sand	
45	Hayatewal	10.44	250654	20.04.2023	manual	Sand	
46	Hayatewal	8.22	142740	20.04.2023	manual	Sand	
47	Hayatewal	22.69	308357	20.04.2023	manual	Sand	
48	Baghian	3.68	166704	20.04.2023	manual	Sand	
49	Baghian	0.31	11609	20.04.2023	manual	Sand	
50	Dhananshu	2.02	92112	20.04.2023	manual	Sand	
51	Dhananshu	1.77	80712	20.04.2023	manual	Sand	
52	Koomkalan	2.30	105370	20.04.2023	manual	Sand	
53	Baliewal	2.33	106248	20.04.2023	manual	Sand	
54	Baliewal	2.70	123120	20.04.2023	manual	Sand	
55	Baliewal	1.17	53352	20.04.2023	manual	Sand	
56	Baliewal	2.30	104880	20.04.2023	manual	Sand	
57	Bhukhari Khurd	2.04	93024	20.04.2023	manual	Sand	
	Total	**505.11**	**19105162**				
DISTRICT PATHANKOT							
1	Muthi, samrala, sarota	43.49	690824	31.03.2023	manual	RBM	Total Sites =36 Nos. of B1 Sites= 22 Nos. of B2 Sites= 14
2	Muthi, samrala, sarota	53.22	966150	31.03.2023	manual	RBM	
3	Muthi, samrala, sarota	0.98	20014.7	31.03.2023	manual	RBM	
4	Muthi, samrala, sarota	0.65	11800	31.03.2023	manual	RBM	
5	Bhadrali, shehar, chann	101.17	2247989	31.03.2023	manual	RBM	
6	Jammu	32.93	813002	31.03.2023	manual	RBM	
7	Jammu	12.39	305894	31.03.2023	manual	RBM	
8	Kharkara, Chak hari rai	61.78	4384692	31.03.2023	manual	RBM	
9	Meira kalan	90.22	3002508	31.03.2023	manual	RBM	
10	Chattwal	12.40	265833	31.03.2023	manual	RBM	
11	Barsoon, chattwal	22.84	435241	31.03.2023	manual	RBM	
12	Barsoon	22.90	484060	31.03.2023	manual	RBM	
13	Barsoon, Mamoon	19.50	464492	31.03.2023	manual	RBM	
14	Mamoon	3.10	66458.1	31.03.2023	manual	RBM	
15	Kharkra Tarf Narot	4.50	211410	31.03.2023	manual	RBM	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
16	Siunti Jaswan Narote	8.47	410279	31.03.2023	manual	RBM	
17	Siunti, Tarf Narot Jaimal Singh	2.92	141439	31.03.2023	manual	RBM	
18	Sarota	7.11	304900	31.03.2023	manual	RBM	
19	Muthi	10.80	463139	31.03.2023	manual	RBM	
20	Jhumbar Narot Jaimal Singh	10.60	480816	31.03.2023	manual	RBM	
21	Jaswan	5.65	255369	31.03.2023	manual	RBM	
22	Siunti	7.20	325426	31.03.2023	manual	RBM	
23	Siunti	4.65	225237	31.03.2023	manual	RBM	
24	Kharkhara Taraf Narot Jaimal Singh	4.70	220806	31.03.2023	manual	RBM	
25	Shahpurgopi	34.50	1676700	31.03.2023	manual	RBM	
26	Samrala	0.53	15783	31.03.2023	manual	RBM	
27	Kot Bhatian	8.07	346067	31.03.2023	manual	RBM	
28	Muthi	1.78	78983	31.03.2023	manual	RBM	
29	Pindi Parolian	8.42	361077	31.03.2023	manual	RBM	
30	Siunti Taraf Narot Jaimal Singh	0.80	36158	31.03.2023	manual	RBM	
31	Siunti Taraf Narot Jaimal Singh	2.84	137564	31.03.2023	manual	RBM	
32	Siunti Tarf Narot Jaimal Singh	14.29	648194	31.03.2023	manual	RBM	
33	Gol	1.90	92340	31.03.2023	manual	RBM	
34	Gol	0.44	21384	31.03.2023	manual	RBM	
35	Mairan Kalan	4.91	204423	31.03.2023	manual	RBM	
36	Bhadrali	32.80	1588766	31.03.2023	manual	RBM	
	Total	**655.45**	**22405208.8**				
DISTRICT RUPNAGAR							
1	Bela dhani	0.31	7140.17	31.03.2023	manual	RBM	Total Sites =95 Nos. of B1 Sites = 39 Nos. of B2 Sites = 56
2	Bela dhani	0.37	8522.14	31.03.2023	manual	RBM	
3	Bela dhani	0.35	8061.48	31.03.2023	manual	RBM	
4	Bela dhani	2.04	46986.9	31.03.2023	manual	RBM	
5	Bela Dhani. Palasi,Sangatpur	1.26	25808	31.03.2023	manual	RBM	
6	Bela dhani. Plassi. Sangatpur	1.77	36254.1	31.03.2023	manual	RBM	
7	Plassi	1.56	31952.8	31.03.2023	manual	RBM	
8	Plassi	0.70	14337.8	31.03.2023	manual	RBM	
9	Bhanam	1.02	23493.5	31.03.2023	manual	RBM	
10	Bhanam	1.43	32936.9	31.03.2023	manual	RBM	
11	Bela ramgarh	1.31	30173	31.03.2023	manual	RBM	
12	Bela ramgarh	0.49	11286.1	31.03.2023	manual	RBM	
13	Patti Tek Singh	1.78	45573.7	31.03.2023	manual	RBM	
14	Patti Tek Singh	1.40	35844.5	31.03.2023	manual	RBM	
15	Harshabela	8.09	227843	31.03.2023	manual	RBM	
16	Palsari	1.17	29955.7	31.03.2023	manual	RBM	
17	Palsari	9.34	215126	31.03.2023	manual	RBM	
18	Kalitran	6.81	174358	31.03.2023	manual	RBM	
19	Kaintran, Bela Ramgarh	3.72	95243.9	31.03.2023	manual	RBM	
20	Bela Ramgarh	2.14	49290.2	31.03.2023	manual	RBM	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
21	Bela Ramgarh	2.78	64031.2	31.03.2023	manual	RBM	
22	Bela Ramgarh	1.30	29942.6	31.03.2023	manual	RBM	
23	Harshbela, Mahain	1.62	33181.7	31.03.2023	manual	RBM	
24	Harshbela, Mahain	0.43	8807.5	31.03.2023	manual	RBM	
25	Harshbela, Mahain	0.90	18434.3	31.03.2023	manual	RBM	
26	Dasgran, Mahain	1.22	24988.7	31.03.2023	manual	RBM	
27	Harshbela	8.97	206604	31.03.2023	manual	RBM	
28	Harshbela	4.91	113091	31.03.2023	manual	RBM	
29	Harshbela	7.59	174819	31.03.2023	manual	RBM	
30	Burj, Ballowal, Badhal, Mehandali, Kalan, Lodhiour	4.30	121103	31.03.2023	manual	RBM	
31	Burj, Ballowal, Badhal, Mehandali, Kalan, Lodhiour	15.35	432310	31.03.2023	manual	RBM	
32	Gajjpur,Chandanpur, Khari	9.47	193970	31.03.2023	manual	RBM	
33	Mallewal, Jindapur	10.83	305011	31.03.2023	manual	RBM	
34	Tapprian, Rasidpur, Maulana	17.57	494833	31.03.2023	manual	RBM	
35	Maulana, Sultanpur	6.79	156393	31.03.2023	manual	RBM	
36	Surewal, Sehjowal	7.42	146553	31.03.2023	manual	RBM	
37	Surewal, Sehjowal	5.38	106261	31.03.2023	manual	RBM	
38	Bainspur Bhangal	4.57	90262.3	31.03.2023	manual	RBM	
39	Binspur, Bhangl	2.87	56685.5	31.03.2023	manual	RBM	
40	Binspur, Bhangl	15.58	307721	31.03.2023	manual	RBM	
41	Majari Daghaur	4.91	109100	31.03.2023	manual	RBM	
42	Nangal	1.80	39995.9	31.03.2023	manual	RBM	
43	Majari, Daghaur	1.92	47402.5	31.03.2023	manual	RBM	
44	Bhallri Majari Nangran Kalmot	6.26	154552	31.03.2023	manual	RBM	
45	Majari , Bhalri, NangranKalmot	21.99	542907	31.03.2023	manual	RBM	
46	Haripur, Vallan	28.37	630103	31.03.2023	manual	RBM	
47	Haripur, Vallan	8.03	178348	31.03.2023	manual	RBM	
48	Haripur, Vallan	4.04	99742.8	31.03.2023	manual	RBM	
49	Algran, Boothgarh	4.16	102705	31.03.2023	manual	RBM	
50	swara	2.36	58265.6	31.03.2023	manual	RBM	
51	Sainsowal	6.51	160724	31.03.2023	manual	RBM	
52	Aalowal	1.44	62899	31.03.2023	manual	Sand	
53	Aalowal	3.32	145018	31.03.2023	manual	Sand	
54	Malewal	4.23	184766	31.03.2023	manual	RBM	
55	Malana	8.26	374674	31.03.2023	manual	RBM	
56	Tapparian	0.31	14582	31.03.2023	manual	RBM	
57	Rasidpur	1.21	52853	31.03.2023	manual	RBM	
58	Malana	2.64	119750	31.03.2023	manual	RBM	
59	Sultanpur	3.13	136718	31.03.2023	manual	RBM	
60	Nangra Kalmot	6.83	288568	31.03.2023	manual	RBM	
61	Nangra Kalmot	11.24	474890	31.03.2023	manual	RBM	
62	Nangra Kalmot	5.29	223503	31.03.2023	manual	RBM	
63	Nangra Kalmot	3.14	132665	31.03.2023	manual	RBM	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
64	Nangra Kalmot	10.76	454610	31.03.2023	manual	RBM	
65	Nangra Kalmot	2.85	120413	31.03.2023	manual	RBM	
66	Nangra Kalmot	3.10	130975	31.03.2023	manual	RBM	
67	Nangra Kalmot	8.77	370385	31.03.2023	manual	RBM	
68	Nangra Kalmot	12.85	542913	31.03.2023	manual	RBM	
69	Nangra Kalmot	32.85	1387913	31.03.2023	manual	RBM	
70	Nangra Kalmot	26.48	1118780	31.03.2023	manual	RBM	
71	Nangra Kalmot	1.25	52813	31.03.2023	manual	RBM	
72	Nangra Kalmot	5.97	252233	31.03.2023	manual	RBM	
73	Nangra Kalmot	7.45	314763	31.03.2023	manual	RBM	
74	Nangra Kalmot	5.68	240107	31.03.2023	manual	RBM	
75	HARSABELA	8.64	364934	31.03.2023	manual	RBM	
76	HARSABELA	0.55	23238	31.03.2023	manual	RBM	
77	Massewal	0.98	40670	31.03.2023	manual	RBM	
78	Daboor	0.69	28463	31.03.2023	manual	RBM	
79	Dollowal	2.82	115620	31.03.2023	manual	RBM	
80	Agampur	0.60	25200	31.03.2023	manual	RBM	
81	Agampur	0.39	16380	31.03.2023	manual	RBM	
82	Agampur	0.44	18270	31.03.2023	manual	RBM	
83	Lodhipur	1.02	41471	31.03.2023	manual	RBM	
84	Chandpur	1.01	44450	31.03.2023	manual	RBM	
85	Majari	9.41	397573	31.03.2023	manual	RBM	
86	Majari	0.46	19435	31.03.2023	manual	RBM	
87	Majari	0.26	10985	31.03.2023	manual	RBM	
88	Nangra Kalmot	14.34	602280	31.03.2023	manual	RBM	
89	Nangra Kalmot	27.24	1144080	31.03.2023	manual	RBM	
90	Nangra Kalmot	46.06	1934520	31.03.2023	manual	RBM	
91	Nangra Kalmot	2.02	84840	31.03.2023	manual	RBM	
92	Nangra Kalmot	5.68	238560	31.03.2023	manual	RBM	
93	Nangra Kalmot	12.72	534240	31.03.2023	manual	RBM	
94	Nangra Kalmot	27.63	1160460	31.03.2023	manual	RBM	
95	HARSABELA	20.57	869083	31.03.2023	manual	RBM	
	Total	**619.83**	**21270579.49**				
DISTRICT SAS NAGAR							
1	NAGLA	0.43	8260	30.04.2023	manual	Sand	Total Sites = 06 Nos. of B1 Sites= 01 Nos. of B2 Sites= 05
2	NAGLA	0.92	26954	30.04.2023	manual	Sand	
3	NAGLA	1.45	16203	30.04.2023	manual	Sand	
4	JODHPUR	0.98	17608	30.04.2023	manual	Sand	
5	RAJAPUR	0.77	35093	30.04.2023	manual	Sand	
6	KHIZRABAD	18.2	797160	30.04.2023	manual	GRAVEL	
	Total	**22.75**	**901278**				
DISTRICT SBS NAGAR							
1	Arazi Darya Bramad Rai	2.68	125424	30.04.2023	manual	Sand	Total Sites = 78 Nos. of B1 Sites= 24 Nos. of B2 Sites= 54
2	Arazi Darya Bramad Rai	13.62	637416	30.04.2023	manual	Sand	
3	Arazi Darya Bramad Rai	1.88	87984	30.04.2023	manual	Sand	
4	Arazi Darya Bramad Rai	1.99	93132	30.04.2023	manual	Sand	
5	Arazi Darya Bramd BelaTajowal	1.19	55692	30.04.2023	manual	Sand	
6	Arazidarya Bramad Paragpur	9.44	326926	30.04.2023	manual	Sand	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
7	Arazidarya Bramad Paragpur	9.2	430560	30.04.2023	manual	Sand	
8	Arazidarya Bramad Paragpur	17.05	797940	30.04.2023	manual	Sand	
9	Mubarakpur	7.07	330876	30.04.2023	manual	Sand	
10	SARANGPUR PANJ PEDA	3.76	171862	30.04.2023	manual	Sand	
11	SARANGPUR PANJ PEDA	10.66	226163	30.04.2023	manual	Sand	
12	DUGRI	10.18	476424	30.04.2023	manual	Sand	
13	DUGRI	1.4	65520	30.04.2023	manual	Sand	
14	DUGRI	3.04	94848	30.04.2023	manual	Sand	
15	Khoja Bet	5.85	268515	30.04.2023	manual	Sand	
16	AULIAPUR & Banga Bet	4.7	215730	30.04.2023	manual	Sand	
17	AULIAPUR	0.52	23868	30.04.2023	manual	Sand	
18	AULIAPUR	1.3	59670	30.04.2023	manual	Sand	
19	AULIAPUR	2.31	79686	30.04.2023	manual	Sand	
20	MANDHALA	1.15	12751	30.04.2023	manual	Sand	
21	MANDHALA	4.7	86856	30.04.2023	manual	Sand	
22	MANDHALA	4.82	153652	30.04.2023	manual	Sand	
23	MANDHALA	4.04	116344	30.04.2023	manual	Sand	
24	MANDHALA	6.01	127725	30.04.2023	manual	Sand	
25	BEHLOOR KHURD	10.92	129468	30.04.2023	manual	Sand	
26	BEHLOOR KHURD	2.38	99503	30.04.2023	manual	Sand	
27	PHUL MAKODI	1.71	78694	30.04.2023	manual	Sand	
28	PHUL MAKODI	3.09	50614	30.04.2023	manual	Sand	
29	PHUL MAKODI	1.04	10221	30.04.2023	manual	Sand	
30	SAIDPUR KHURD	0.82	11385	30.04.2023	manual	Sand	
31	SAIDPUR KHURD	5.34	48316	30.04.2023	manual	Sand	
32	SAIDPUR KHURD	1.11	38788	30.04.2023	manual	Sand	
33	HUSSAINPUR	2.11	25670	30.04.2023	manual	Sand	
34	HUSSAINPUR	7.3	42720	30.04.2023	manual	Sand	
35	HUSSAINPUR	0.69	2763	30.04.2023	manual	Sand	
36	HUSSAINPUR	4.26	106278	30.04.2023	manual	Sand	
37	HUSSAINPUR	14.76	238669	30.04.2023	manual	Sand	
38	HUSSAINPUR	1.24	39911	30.04.2023	manual	Sand	
39	HUSSAINPUR	1.65	1271	30.04.2023	manual	Sand	
40	HUSSAINPUR	0.22	2168	30.04.2023	manual	Sand	
41	HUSSAINPUR	1.26	19986	30.04.2023	manual	Sand	
42	HUSSAINPUR	6.48	186611	30.04.2023	manual	Sand	
43	HUSSAINPUR	2.16	38586	30.04.2023	manual	Sand	
44	RATNANA	10.46	384991	30.04.2023	manual	Sand	
45	RATNANA	9.3	257796	30.04.2023	manual	Sand	
46	RATNANA	1.79	61197	30.04.2023	manual	Sand	
47	BAIRSAL	0.94	30689	30.04.2023	manual	Sand	
48	BAIRSAL	4.75	128744	30.04.2023	manual	Sand	
49	TALWANDI SHIBU	5.3	192623	30.04.2023	manual	Sand	
50	TALWANDI SHIBU	4.76	219912	30.04.2023	manual	Sand	
51	TALWANDI SHIBU	0.61	28182	30.04.2023	manual	Sand	
52	TALWANDI SHIBU	3.78	168815	30.04.2023	manual	Sand	
53	TALWANDI SHIBU	0.23	10626	30.04.2023	manual	Sand	
54	LALEWAL	0.37	17094	30.04.2023	manual	Sand	
55	LALEWAL	0.8	36960	30.04.2023	manual	Sand	

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
56	LALEWAL	4.04	186648	30.04.2023	manual	Sand	
57	LALEWAL	0.68	31416	30.04.2023	manual	Sand	
58	LALEWAL & KHOJA	5.43	250866	30.04.2023	manual	Sand	
59	KHOJA	1.84	85008	30.04.2023	manual	Sand	
60	KHOJA	4.58	211596	30.04.2023	manual	Sand	
61	KHOJA	1.47	67914	30.04.2023	manual	Sand	
62	KHOJA	0.47	21714	30.04.2023	manual	Sand	
63	KHOJA	6.35	293370	30.04.2023	manual	Sand	
64	KHOJA	7.33	338646	30.04.2023	manual	Sand	
65	KHOJA	1.02	47124	30.04.2023	manual	Sand	
66	KHOJA	24.09	1112958	30.04.2023	manual	Sand	
67	BURJ TEHAL DAS	0.81	37908	30.04.2023	manual	Sand	
68	BURJ TEHAL DAS	0.61	28548	30.04.2023	manual	Sand	
69	BURJ TEHAL DAS	0.34	15912	30.04.2023	manual	Sand	
70	BURJ TEHAL DAS	0.42	19656	30.04.2023	manual	Sand	
71	BURJ TEHAL DAS	8.71	341049	30.04.2023	manual	Sand	
72	Chandpur Rurki 366	95.48	4869480	30.04.2023	manual	RBM	
73	Chandpur Rurki 366	0.4	20400	30.04.2023	manual	RBM	
74	Chandpur Rurki 366	5.4	275400	30.04.2023	manual	RBM	
75	Chandpur Rurki 366	1.4	71400	30.04.2023	manual	RBM	
76	Chandpur Rurki 366	1.45	73950	30.04.2023	manual	RBM	
77	Chandpur Rurki 366	3.15	160650	30.04.2023	manual	RBM	
78	Majran Jattan 412	0.3	13860	30.04.2023	manual	Sand	
		415.96	**16350288**				
DISTRICT TARN TARAN							
1	Ram Singh Wala, Chakk Toot	49.15	1420491	30.04.2023	manual	Sand	Total Sites = 20 Nos. of B1 Sites= 14 Nos. of B2 Sites= 06
2	Chakk toot	11.96	345658	30.04.2023	manual	Sand	
3	Chakk toot, Jhugian Peer Baksh	8.97	259800	30.04.2023	manual	Sand	
4	Kot Budha, Jalloke	37.5	1081907	30.04.2023	manual	Sand	
5	Kot Budha, Jalloke	21.4	617408	30.04.2023	manual	Sand	
6	Jalloke	4.89	141081	30.04.2023	manual	Sand	
7	Sabhra	5.67	146898	30.04.2023	manual	Sand	
8	Sabhra	19.24	548317	30.04.2023	manual	Sand	
9	Ghullewala	2.95	82983	30.04.2023	manual	Sand	
10	Ghullewala	5.54	141673	30.04.2023	manual	Sand	
11	Sabhra	88.6	2287347	30.04.2023	manual	Sand	
12	Sabhra	22.3	575709	30.04.2023	manual	Sand	
13	Mundapind	7.66	173154	30.04.2023	manual	Sand	
14	Dhunda, Manakdeke	35.49	890089	30.04.2023	manual	Sand	
15	Dhunda	8.81	199150	30.04.2023	manual	Sand	
16	Dhunda	3.48	87278	30.04.2023	manual	Sand	
17	Jalalabad	16.62	416830	30.04.2023	manual	Sand	
18	Rakh Gagrewal	4.75	131670	30.04.2023	manual	Sand	
19	Bhalojla	0.64	16051	30.04.2023	manual	Sand	
20	Booh	2.83	128369	30.04.2023	manual	Sand	
	Total	**358.45**	**9691863**				

Scanned with OKEN Scanner

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
	Grand Total	2620.93	91352357				

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

ANNEXURE-V

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
DISTRICT HOSHIARPUR				
1	Motla	0.54	25272	SAND
2	Motla	1.25	58500	SAND
3	Kolian	0.48	22464	SAND
4	Halerdadal Pat	3.03	141804	SAND
5	Mehtabpur	4.49	210132	SAND
6	Mehtabpur Sadullapur kalota	23.78	1112904	SAND
7	Sadullapur kalota	9.14	427752	SAND
8	Jalidpur	9.48	443664	SAND
9	Muradpur	3.50	71068	SAND
10	Muradpur Dhanoa	4.46	207390	SAND
11	Dhanoa	0.42	7421	SAND
12	Dhanoa	0.75	28598	SAND
13	Muradpur wadhaya	6.68	310620	SAND
14	Wadhaya	0.98	45570	SAND
15	Chhourian	2.30	58466	SAND
16	Bhikhowal	0.29	13485	SAND
17	Bhikhowal	10.80	458266	SAND
18	Bhikhowal	2.91	100779	SAND
19	Bhikhowal Nandew al	5.35	145220	SAND
20	Nandewal	1.48	68820	SAND
21	Saidowal	3.50	155698	SAND
22	Saidowal	5.14	156950	SAND
23	Daimpur	1.96	91140	SAND
24	Daimpur Bhoja Passi bet	2.78	129270	SAND
25	Daimpur Bhoja Passi bet	10.65	495225	SAND
26	Daimpur Bhoja Passi bet	0.79	36735	SAND
27	Bhoja Passi bet	3.78	175770	SAND
28	Rajpur	12.96	602640	SAND
29	Rajpur Chak Suleman	19.36	610188	SAND
30	Chak Suleman Mewanmiani	12.93	593487	SAND
31	Mewanmiani	13.97	641223	SAND
32	Mewanmiani	2.93	134487	SAND
33	Mewanmiani	49.47	2270673	SAND
34	Kulla	12.93	435689	SAND
35	Kulla	2.54	95098	SAND
36	Kulla	4.96	232128	SAND
37	Kulla	8.23	359486	SAND
38	Kulla	18.15	849420	SAND
39	Kulla	11.10	519480	SAND
40	Fatha	8.19	383292	SAND
41	Fatha	0.73	34164	SAND

Scanned with OKEN Scanner

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
42	Habib chak	2.73	103063	SAND
43	Habib chak	7.81	365508	SAND
44	Rarra	1.82	85176	SAND
45	Rarra	2.30	107640	SAND
46	Nasrala Choe	28.00	638400.00	SAND
47	Nasrala Choe	11.90	217056.00	SAND
48	Nasrala Choe	4.71	85910.40	SAND
49	Nasrala Choe	8.56	156134.40	SAND
50	Nasrala Choe	3.63	66211.20	SAND
51	Nasrala Choe	14.48	264115.20	SAND
52	Nasrala Choe	5.31	96854.40	SAND
53	Nasrala Choe	0.62	11308.80	SAND
54	Mehalwali Choe	2.50	46200.00	SAND
55	Mehalwali Choe	1.61	29752.80	SAND
56	Mehalwali Choe	14.55	268884.00	SAND
57	Mehalwali Choe	12.21	225640.80	SAND
58	Mehalwali Choe	15.97	295125.60	SAND
59	Mengarwal Choe	11.51	267607.50	SAND
60	Mengarwal Choe	5.11	95046.00	SAND
61	Rajni Devi Choe	4.31	80683.20	SAND
62	Rajni Devi Choe	2.50	46800.00	SAND
63	Naueshra Simbli	0.81	35113.50	RBM
64	Sandhwal	2.63	107304.00	RBM
65	Saidpur	6.07	239916.75	SAND
66	Rara,	6.07	254029.50	SAND
67	Tahli	3.79	158611.50	SAND
68	Rara	18.00	753300.00	SAND
69	Jahidpur	6.42	268677.00	SAND
70	Jahidpur	2.42	101277.00	SAND
	Total	**507.51**	**18431784.19**	
DISTRICT KAPURTHALA				
71	Mand Dhilwan	4.66	39356.5	SAND
72	Kammewal-1	0.96	27129.6	SAND
73	Kammewal-2	2.33	65845.8	SAND
74	Sabk Desal-1	0.91	25716.6	SAND
75	Sabk Desal-2	0.3	8478	SAND
76	Amritpur	1.37	38716.2	SAND
77	Mand Dhunda-1	5.73	161929.8	SAND
78	Mand Dhunda-2	0.88	11190.96	SAND
79	Mand Dhunda-3	0.36	10173.6	SAND
80	Bhaini Bahadur	0.25	7065	SAND
81	Passan Kadim	7.19	203189.4	SAND
82	Bhim Jadid	16.06	453855.6	SAND
83	Mand Gujjarpur	0.59	16673.4	SAND

Scanned with OKEN Scanner

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
84	Mand Raipur Araiyan	4.07	92014.56	SAND
	Total	**45.66**	**1161335.02**	
	Grand Total	**553**	**19593119**	

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

ANNEXURE-VI

Pubic Mining Sites(PMS) and Excavation method permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Quantity as per approved Mining Plan (MT)	Method of mining
1	Fazilka	Chak Gariban Sander	2.19	44267	Manual
2	Fazilka	Badha-1	1.818	39263	Manual
3	Fazilka	Badha-2	0.2023	2902	Manual
4	Fazlika	Thara Singh Wala-1	1.24	14010	Manual
5	Fazlika	Thara Singh Wala- 2			Manual
6	Ludhiana	Gorsian Khan Mohhamad	23.1	943326	Manual
7	Ludhiana	Jamalpur Laily and Sujatwal	3.77	68312	Manual
8	Ludhiana	Dhanasu/Bhukhri Khurd	3.81	21767	Manual
9	Ludhiana	Talwandi Kalan	1.8	13338	Manual
10	Ludhiana	Kannian Hussaini	4.87	45900	Manual
11	Ludhiana	Kasabaad-1	11.24	157216	Manual
12	Ludhiana	Kasabaad-2			Manual
13	Ludhiana	Koom Kalan	2.3	9810	Manual
14	SAS Nagar	TANGRI 1	0.43	4525	Manual
15	SAS Nagar	TANGRI 5	0.77	9982	Manual
16	Tarntarn	Jaloke	3.41	48633	Manual
17	Tarntarn	Jaloke -2	1.37	17914	Manual
18	Tarntarn	Sabhra -1	3.08	38889	Manual
19	Tarntarn	Sabhra-2	4.61	61826	
20	Rupnagar	Sultanpur	7.45	58092	Manual
21	Rupnagar	Malana	7.17	68316	Manual
22	Rupnagar	Mallewal	4.74	52554	Manual
23	Rupnagar	Aalowal -1	4.7	28471	Manual
24	Rupnagar	Aalowal - 2			Manual
25	SBS Nagar	Khoja	6.35	91716	Manual
26	SBS Nagar	Burj Tehal Dass	8.71	142314	Manual
27	SBS Nagar	Phool Makouri	10.96	57460	Manual
28	SBS Nagar	Saidpur			Manual
29	SBS Nagar	Auliapur	1.3	17956	Manual
30	Jalandhar	Maun Sahib	12.62	551999	Manual
		Total	**134.01**	**2610758**	

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

ANNEXURE-VII

Commercial Mining Sites (CMS) & quantity as per approved mining plan or EC

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC/MP (MT/yr)	Qty for 3 Yrs (MT)	Validity upto	Method of mining
Cluster-I							
1	Ludhiana	Akuwal	20.65	903231	2709693	02.05.24	Semi Mechanized
	Sub Total		**20.65**	**903231**	**2709693**		
Cluster-II							
2	Ludhiana	Boont	24.28	1062007	3186021	03.05.24	Semi Mechanized
	Sub Total		**24.28**	**1062007**	**3186021**		
Cluster-III							
3	Ludhiana	Kutbewal Arian	10.12	442649	1327947	02.05.25	Manual
	Sub Total		**10.12**	**442649**	**1327947**		
Cluster-IV							
4	SBS Nagar	Begowal	1.42	9504	9504	04.05.23	Manual
5	SBS Nagar	Arzi Derya Bramd Rail (1)	4.9	127422	127422	05.11.27	Manual
	Sub Total		**6.32**	**136926**	**136926**		
Cluster-V							
6	Jalandhar	Vehra	13.15	575181	1725543	03.05.25	Manual
	Sub Total		**13.15**	**575181**	**1725543**		
Cluster-VI							
7	Ropar	Majri	4.98	38871	116613	31.03.23	Manual
	Sub Total		**4.98**	**38871**	**116613**		
Cluster-VII							
8	Pathankot	Kharkhara	16.48	566583	1699749	31.03.23	Manual
	Sub Total		**16.48**	**566583**	**1699749**		
Cluster-VIII							
9	Pathankot	Chak Hari Rai	47.2	334000	1002000	31.03.23	Manual
10	Pathankot	Mira Kalan	26.72	530264	1590792	31.03.23	Manual
	Sub Total		**73.92**	**864264**	**2592792**		
Cluster-IX							
11	Pathankot	Bela Mastgarh	9.51	124913	374739	31.03.23	Manual
	Sub Total		**9.51**	**124913**	**374739**		
Grand Total			**179.41**	**4714625**	**13870023**		

Note: The Government may at any time amend the annexure

Scanned with OKEN Scanner

Annexure- VIII

The Pit Head price of sand and gravel in any Mining Site shall be as under:

Serial Number	Description	Rate per cubic feet (in Rupees) in any CMS	Rate per cubic feet (in Rupees) in any PMS
1	Royalty	0.73	0.73
2	District Mineral Foundation Fund	0.2	0.2
3	Environment Management Fund	0.07	0.07
4	Land Owner compensation	2	2
5	Cost of Excavation & loading and Profit Margin for Concessionaire in any CMS	2.4	N/A
6	Operational Cost of running the PMS site	N/A	2.4
7	IT &Weigh-bridge charges	0.1	0.1
8	Maximum sale price at pit head	5.5	5.5

NOTE:-

1. The amount against entries at Sr. No1- 3 and Rs. 0.08 against entry No.7 shall be deposited with the Government.

2787/3-2023/Pb. Govt. Press, S.A.S. Nagar

Scanned with OKEN Scanner

Annexure -3

SAMPLE OF UNDERTAKING TO BE DOWNLOADED FROM E-PROCUREMENT WEBSITE AND TO BE UPLOADED BY THE BIDDER.

Department of Mines & Geology, Punjab

Auction No.

UNDERTAKING

Name of the Vendor:		**1**
	Details of the bidder (Individual/ Firm/ Company/society):	
1.1	Name of the Bidder*	
1.2	Name as in designated bank account*	
1.3	Designated bank account number	
1.4	Address of bank	
1.5	IFSC code	
1.6	Type of account	
1.7	Address of the bidder	
1.8	E-mail for future correspondence	
1.9	Mobile no.	

* In Case of Individuals the details as mentioned in 1.1 & 1.2 above should be of one & the same person. In the cases other than individuals (firm/Company etc), the details mentioned in the point 1.2 can be of firm/company etc or any one of the persons as mentioned in the point **(i)** of this undertaking.
The applicant shall be deemed ineligible for the bidding, if the information is not provided in accordance to the above point.

a)	I have not been debarred/ blacklisted as individual or as partner of firm/company from participating in e-auction/e-auction by the Department of Mines and Geology, Punjab. OR Our firm/company or any of the director/partner/associate in table given at serial no. (h) has not been debarred/blacklisted as individual or as partner of firm/company from participating in this e-auction by the Department of Mines and Geology, Punjab.
b)	I/We understand that EMD or any other deposits for all the mining block will be forfeited in case I/We have been debarred/ blacklisted by the Department of Mines and Geology, Punjab.
c)	I/We have submitted the Account details of my/our designated account. I/We agree that I/We will make all the payments (EMD, security, advance installment etc.) through my/our designated account only.
d)	I/We agree that any kind of payment made through an account other than my/our designated account will make me/us ineligible.
e)	I/We agree that during submission of my/our application(s) for different mining clusters, I/We will generate separate challan for each mining cluster and payment for each mining cluster will be done through respective generated challans.
f)	I/We agree that I/We will make the payment of requisite EMD and requisite processing fees (along with service charges) as per the e-auction notification excluding any bank service charges.
g)	I/We confirm that I/We have manually entered the correct UTR no. on the e-auctioning website issued by the bank against the respective challan generated for each mining block I/We have applied.
h)	No FIR/criminal case has ever been registered against me/firm.
i)	Details of the director(s)/partner(s)/Proprietor/ shareholder of the firm/company/society are as below.(If Applicable):

Sr. No.	**Name**	**Designation**	**Address**	**PAN No.**

I/We undertake that I/We will adhere to all the terms and conditions above along with terms and conditions of the e-auction Notification and violation of any of them, by me/us, or any false information or misrepresentation given by me/us will make me/us ineligible for participation in the e-auction process.

Scanned with OKEN Scanner

Annexure-4

Sr. No.	Name (Sh/Smt.)	Designation /District	Mobile No.	Divisional Bank Account No. for depositing 1st Installment & Security Amount	IFSC
1	Chetan Khanna	Executive Engineer /Mining (HQ)	7986579150	NA	NA
2	Kewal Krishan	Executive Engineer/Mining (HQ)	8360522148	NA	NA
3	Rupinder Singh Pabbla	Executive Engineer/Rupnagar/Shri Anandpur Sahib, Drainage-cum-Mining and Geology Division, WRD, Punjab.	9878688998	Environment Management Fund A/C 919010080623616	IFSC Code UTIB0000649
4	Akash Aggarwal	Sub-Divisional Officer/Nangal, Drainage - Cum-Mining and Geology Sub-Division, WRD Punjab	9356900010	NA	NA

Scanned with OKEN Scanner

Government of Punjab
Department of Mines& Geology

Auction Notice

Notice No 3334 Dated 13.05.2023

WHEREAS the State of Punjab has formulated and approved the Punjab State Minor Mineral Policy, 2023 under the Punjab Minor Mineral Rules, 2013 **[the 2013 Rules]** formulated by the State Government under the Mines and Minerals (Development & Regulations) Act, 1957**[the 1957 Act]**.

WHEREAS, the present notice is being issued for allotment of contracts of commercial mining sites/clusters mentioned in the attached **Annexure 1**. The Schedule is mentioned below:

SCHEDULE

Activity	Date	Time
Start date for Registration of Bidders and upload of documents/EMD payment	15.05.2023	10.00 AM
Pre-Bid Meeting	22.05.2023	10.00 AM
Last date for upload of Documents / EMD payment	05.06.2023	upto 10.00 AM
Opening of Technical Bid	05.06.2023	11:00 AM
Opening of Financial Bid	12.06.2023	11.00 AM

- **Place of Pre Bid meeting:**

  Room 145, DC Complex, Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab.

- **Punjab State Minor Mineral Policy, 2023**

All the terms and conditions of the Punjab State Minor Mineral Policy, 2023 (Annexure 2) shall be the binding instructions for this auction notice. Further, in addition to terms and conditions of the Policy 2023, following terms and conditions are mentioned below:

Additional Terms & Conditions for the Auction:

1. **Submission of Bid/ Participation:**
   a. Each bid shall be submitted online through e-procurement website www.eproc.punjab.gov.in of Punjab Govt.
   b. To participate in the e-auction, prospective bidders shall have to get themselves registered with the e-Procurement portal (http://www.eproc.punjab.gov.in) and obtain user ID and password. Class

3 Digital Signature Certificate is mandatory for participating in the e-auction process.

2. Fees, EMD, Undertaking, Documents:

a. The prospective bidder shall deposit the application fee (non refundable) for participation in E-auction and EMD through a designated bank account which must be in his/her name (or company/firm) only. The bidder shall give the details of this designated bank account in his undertaking.

b. Prospective bidder shall deposit the EMD on the e-procurement website through e-payment gateway as described in the **Annexure 1** for mining site(s)/cluster(s), he/she plans to bid for. In case, the EMD deposited is less than the prescribed value or if prospective bidder deposits EMD from the bank accounts other than his designated bank account, then his/her technical bid shall be rejected.

c. Every bidder shall also deposit processing fees, as applicable, on the e-procurement website www.eproc.punjab.gov.in. This amount shall be non refundable.

d. Prospective bidder shall upload the following documents:

   i. MS Excel undertaking **(Annexure 3)** shall be uploaded by prospective bidder on the e-procurement web site www.eproc.punjab.gov.in. This undertaking shall be downloaded from the e-procurement website only. If the undertaking is not uploaded as per requisite pro forma or giving incomplete information or upload the blank undertaking by any bidder, then his/her technical bid shall be rejected.

   ii. An undertaking that he shall ensure the presence of Site Manager(s) and Software professional(s) for each cluster.

   iii. Copies of Audited Final Accounts (Balance Sheet and Profit and Loss Account)/ Income tax returns for last three years to verify turnover, along with Statement of designated bank account duly signed by the bank

   iv. Copy of PAN card

   v. Copy of Aadhar Card

   vi. Undertaking that Applicant/Firm is not defaulter in the payment of any dues of State Government/Govt. of India and he is not in legal dispute with the State Government as regards payment of any dues under the 2013 Rules or any previous mining contract and has not been convicted in any criminal offence by a competent court of law.

   vii. An undertaking that he has read and agrees with the terms of this E-auction notice and the conditions set out therein.

e. On the date of verification of documents uploaded by the bidder, his eligibility to participate in the bidding process shall be ascertained. The ineligible/blacklisted agency/contractor/firm shall not be allowed to participate in the bidding process.

f. The documents must be submitted by individual/proprietor, society, partnership firm and company as applicable to the entity. In the event of delay in submission of aforesaid documents or submission of incorrect documents the bidder shall be solely responsible. For delay in user ID activation, all bidders are advised to register well in advance to avoid last-minute delays. For more details regarding registration process kindly refer to registration guidelines on the e-procurement website www.eproc.punjab.gov.in.

g. The prospective bidder may contact customer care of www.eproc.punjab.gov.in at telephone numbers **0120-4001002, 0120-4001005, 0120-6277787, 0172-2970263, 022-27560266 and 0172-2970284**for any technical queries related to participation and submission of the bids.

3. Process of Bidding:

a. The E-auction for award of mining rights shall be conducted site wise/cluster for the mining areas there under, through **e-auction** process where every interested prospective bidder can bid.

b. During E-auction if any bidder violates any rules, then he/she will not be allowed to participate in the e-auction and his EMD shall be forfeited. If Director decides that the violation is serious then he may prohibit the bidder to participate in e-auction for upto 3 years.

c. The Director/mining reserves the rights to cancel any bid given by the bidder, to annul the bidding process and reject all or any of the bids at any time or to exclude any mining site(s)/cluster from the auction and this being in the realm of contract, there shall be no obligation to communicate such reasons to any bidder.

d. Tenders of clusters shall be called by the Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab on the e-procurement portal. However, in case a situation of draw of lots arises than the same shall be held at Head Office level under Director Mining. The time and place shall be intimated well in time to all the H1 bidders.

4. Pre-Bid Meeting:

a. The Bidder or his official representative is invited to attend a pre-bid meeting which will take place at the address, venue, time and

date as indicated above.

b. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

c. The bidder is requested to submit any questions in writing to reach the department not later than 3 days before the meeting.

d. Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be uploaded on the e-procurement web site www.eproc.punjab.gov.in. Any modification of the auction notice, which may become necessary as a result of the pre-bid meeting shall be made by the department exclusively through the issue of an Addendum/Corrigendum pursuant to clause 5 and not through the minutes of the pre-bid meeting.

e. Non-attendance of any bidder at the pre-bid meeting will not because for disqualification of a bidder.

5. Amendment of Auction Notice

a. Before the deadline for submission of bids, the department may modify the auction notice by issuing addenda/corrigenda.

b. Any addendum/corrigendum thus issued shall be part of the auction notice and shall be uploaded on the e-procurement web site www.eproc.punjab.gov.in

c. To give prospective bidders reason able time in which to take an addendum/corrigendum into account in preparing their bids, the department may, at his discretion, extend as necessary the deadline for submission of bids.

6. Site Visit/Selection of Mining Areas:

a. The prospective bidder at his own level and expenses can visit the mining areas **(Annexure 1)** to satisfy himself as to the feasibility of conducting mining operations in the areas located in the said mining site(s)/cluster and also satisfy himself regarding quantity of minor mineral to be extracted from the mining site(s) he plans to bid for.

b. The department shall not be responsible in future for non-availability of material on the mining site(s)/cluster as per the auction notice, if the same is not brought into notice of the department by the bidder before submission of his/her bid.

c. The successful bidder shall have to apply for transfer the Environmental Clearance (EC) EC at his/her name from the competent authority.

d. The department will not be responsible for any reduction in Annual Concession Quantity by SEIAA or any other regulatory authority for any cluster. No relaxation will be given on account of Annual Concession Value due the said mentioned reason.

7. Provisional Acceptance, Award of Concession:

a. The provisional acceptance shall be issued by the Government in the name of successful bidder. The successful bidder shall deposit @ 35% of annual concession value as first installment from his designated account within 2 banking days from the date of issue of provisional acceptance, through designated bank account by RTGS/NEFT in the account of Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab as given in **Annexure 4.**

b. If the successful bidder does not deposit the requisite amount within the stipulated time (within 2 banking days, upto 5.00 pm after issuance of provisional acceptance) then the EMD deposited by him will be forfeited and he will be prohibited to participate in the coming e-auction for next 3 years.

c. In case, the successful bidder fails to deposit Security amount within 2 working days, up to 5.00 pm after issuance of provisional acceptance, the earnest money deposit shall be forfeited and he will be prohibited to participate in the coming E-auction for the next 3 years.

d. The EMD of the unsuccessful bidder shall be refunded within 7 banking days of provisional acceptance of the bid. This amount shall be refunded to the designated accounts through which the bidder remitted the EMD.

d. The concessionaire shall deposit Environment Performance Guarantee @ Rs.15,000/- per acre within 30 days from the date of execution of concession agreement with the District Mining Officer, in shape of FD/Cash/DD/Bank Guarantee having validity of 6 months over the concession period.

e. In addition to the annual concession value, the concessionaire shall deposit the quarterly land owner compensation in the bank account of Central Government/State Government/Panchayat/Private landowners @ Rs. 50/- per tonne through cheque as per the extraction done. The same shall be informed to the District Mining officer while producing the evidence. In case of violation, the concession shall be cancelled as per the 2013 Rules (as amended) and the concessionaire shall be blacklisted for a period of three years.

f. The concessionaire shall be bound to deposit T.D.S under Section 206-C(IC) of the Finance Act, 2004 (as amended). Every concessionaire shall

be bound to supply the Pan Number (for Income Tax) and GST Number (for GST) to the Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab.

8. Award of Concession and Signing of Agreement –

a. After completion of E-auction, the payment of 1st installment and security amount should be paid by the successful bidder only through this designated bank account and he/she will not be allowed to deposit any amount from any account other than his/her designated bank account. In case, if successful bidder deposits the said amount from the other account instead of his/her own account, the same shall be forfeited and the bid shall be cancelled.

b. The bank account details of Executive Engineer/Ropar/Shri Anandpur Sahib, Drainage-Cum-Mining and Geology Division, WRD, Punjab, in which 1st installment amount and security amount is to be deposited by successful bidder, is mentioned in **Annexure 4.**

c. In case, the successful bidder fails to execute and register the concession agreement within 15 days from date of issuance of provisional acceptance, the provisional acceptance of the bidder shall be cancelled and his first installment and Security deposit shall be forfeited and the bidder shall be blacklisted for 3 years and the fresh auction of mining cluster shall be held.

9. Site regulatory measures:

a. The successful bidder/contractor shall be bound to install boundary pillars for demarcation and fix the bench marks for regulation of depth of excavation at mining site(s) at his own expenses;

b. The successful bidder/contractor can start the excavation from the mining site(s) only after the execution of concession agreement and obtaining all necessary statutory and non-statutory clearances and installing electronic weigh bridge. It shall be ensured by the concessionaire that the weighbridge installed at each mining site must be able to measure the full weight of all types/sizes of vehicles/carriers used for transporting excavated material from the mining site.

c. The concessionaire shall put up notice board at the pit head of mining site(s) showing concession details like khasra Nos., quarry map, per annum quantity allowed, timing allowed for mining activity, concession period etc. and contact detail of Deputy Commissioner, District Mining Officer, and concessionaire etc. so that any person can give complaint if any.

d. The concessionaire shall allow the government employee near the weight machine so that he may check the register of measuring weight etc by the concessionaire.

e. The concessionaire shall send details of each measured vehicle electronically to the Department in prescribed form-T and the Department after verification of the said details issue slip electronically in prescribed form-T, which shall be downloaded by concessionaire and shall be used for transit of loaded minor sand mineral. The slips shall be issued only from the departmental web portal ie. https://minesandgeology.punjab.gov.in.

f. It shall be the responsibility of the concessionaire to level the pits, ditches, restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned simultaneously after carrying out excavation work as per conditions of mine closure plan so that there may not be any untoward incident. The concessionaire must leave the area in such a way that rehabilitation does not become a burden to the society after mining operation is over. It must also aim to create as self-sustained ecosystem.

n. No excavation work of minor mineral shall be carried out at protected reservoir or any forest area.

o. The present mode of excavation at each mining site of cluster permitted by SEIAA is already mentioned in **Annexure 1**. Further, the bidder at his own discretion may approach to SEIAA for granting permission to conduct semi mechanized mining operations in the Clusters where initially the permission has been granted manually. The Department shall facilitate such applications of successful bidders/contractors.

p. The mining operation shall be undertaken in a scientific and systematic manner i.e. mining operation should be consistent with the approved mining plan and guidelines issued by State Environment Impact Assessment Authority.

10. Other mandatory conditions:

a. The conditions mentioned in the environment Clearance shall be binding on the successful bidder/concessionaire.

b. The prospective bidder/ Contractor shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection)Act, 1986, Punjab Land Security Act, 1900, Indian Forest Act, 1927, Wild Lives (Preservation) Act, 1972, Mines Act, 1952, Mines and Minerals (Regulation and Development) Act, 1957, Forest (Conservation) Act, 1980,

Metalliferous Mines Regulation, 1961, Environment Clearance, Environment Management Plan, and Punjab Minor Mineral Rules, 2013 (as amended) as well as any conditions imposed by the environmental clearances.

c. The prospective bidder/ contractor shall also comply with the Punjab Minor Mineral Policy 2023, the terms of this auction notice as well as the Form L-1 form (as amended) statutory contract. In case any amendment is made in the 2013 Rules, or any other government rules, instructions, notification, circular are amended and/or issued, during the concession period, the same shall be binding on the contractor and shall be deemed to be part of this document and any contract executed with such contractor.

d. In the event of violation of any of the above, the contract may be cancelled by giving show cause notice or without giving any such notice in case of any emergency by competent authority and the amount deposited by the bidder/ contractor at the time of auction shall be forfeited.

11. Rights reserved to the State Government:

The bidders and their representatives shall observe the highest standard of ethics during grant of the mining concession. Notwithstanding anything to the contrary contained herein, the Government may reject a bid, withdraw the mining concession, as the case may be, without being liable in any manner whatsoever to the bidder or to the successful bidder, as the case may be. If the Government determine that the bidder or the successful bidder, as the case may be, has, directly or indirectly or through an agent, engaged in any corrupt fraudulent practice, coercive practice, undesirable practice or restrictive practice in the bidding process or subsequent to allotment, in such an event, the Government shall be entitled to forfeit and appropriate the EMD or Performance Security, as the case may be, as damages, without prejudice to any other right or remedy that may be available to the Government under the auction notification and/ or otherwise. However, before taking such an action, opportunity to show cause shall be issued to the affected parties in order to comply with the principles of natural justice.

For any clarification regarding the auction process, the bidders may kindly contact numbers mentioned in **Annexure-4.**

Detailed information regarding e-auction can be downloaded from the e-procurement website www.eproc.punjab.gov.in or can be collected from the office of undersigned.

Executive Engineer/Ropar/Shri Anandpur Sahib,
Drainage-Cum-Mining and Geology Division,
WRD, Punjab.

ANNEXURE-1

Details of Commercial Mining Sites (CMS)/ Cluster to be auctioned in 3rd auction										
Sr. No.	**District**	**Name of Mine**	**Hadbast No.**	**Area (Ha)**	**Khasra Nos.**	**Maximum Quantity to be extracted in a single year (MT)**	**Maximum Quantity to be extracted in 3 Yrs (MT)**	**Maximum Concession Value for 3 years (Rs in lakhs)**	**Earnest Money Deposit (EMD) @ 5 % of Max. Concession Value (Rs in lakhs)**	**Present Method of excavation allowed by SEIAA**
Cluster-29										
1	Rupnagar	Chandpur	368	8.20	14//3,4,5,6,7,8,13,14,15,24,25, 15//,1,2,7,8,9,10,15,18,19,20,21,22,23,24, 16//11,12,19,22, 25//1,2,3,4,5, 26//2,3/1,3/2,4,5	70307	210921	52.73	3.15	Manual
2	Rupnagar	Dollowal	344	2.09	1896/531/2	13625	40875	10.22		Manual
Sub Total				**10.29**		**83932**	**251796**	**62.95**	**3.15**	
Cluster-30										
3	Rupnagar	Nangra Kalmot-3	272	12.16	20//19/2, 20,21/1,32//4,6/2,7,8,12,17, 23,18,19,20,21,22/1,23,24/2,25,21//25,33//25, 44//4,5/1,8,9,10/1,11,12,13,14/1,14/,2,33//8/1, 8/2,9,10,11/1,11/2,43//19/2, 22,23,24,60//1,4,5,6,7/1 84//2,3,4,8,13,14,15,16	112638	377914	94.48	5.34	Manual
4	Rupnagar	Bhangal	477	3.43	1098// 20,21, 1099//1,3,7,8,10,11,13,14,15	16443	49329	12.33		Manual
Sub Total				**15.59**		**129081**	**427243**	**106.81**	**5.34**	
Grand Total				**25.88**		**213013**	**679039**	**169.76**	**8.49**	

Sub Divisional Officer/Shri Anandpur Sahib,
Drainage-Cum-Mining and Geology Sub Division,
WRD Punjab.

Sub Divisional Officer/Nangal,
Drainage-Cum-Mining and Geology Sub Division,
WRD Punjab.

Executive Engineer/Sri Anandpur Sahib,
Drainage-Cum-Mining and Geology Division,
WRD Punjab.

Punjab Government Gazette

EXTRAORDINARY

Published by Authority

CHANDIGARH, MONDAY, MARCH 13, 2023 (PHALGUNA 22, 1944 SAKA)

GOVERNMENT OF PUNJAB

DEPARTMENT OF MINES AND GEOLOGY

NOTIFICATION

The 13th March, 2023

PUNJAB STATE MINOR MINERAL POLICY, 2023

No. PB/Mineral Policy/2023/1293.–This Policy, drafted in accordance with the Punjab Minor Mineral Rules, 2013 framed under Section 15 and Section 23-C of the Mines and Mineral (Development and Regulation) Act, 1957, is hereby notified for achieving the following objectives :-

a. The Primary Objective of the policy shall be on providing sand and gravel at affordable rates to the consumers

b. The other objective of the Policy shall beto ensure that mining of sand and gravel is undertaken in a transparent and legal manner

c. In addition the policy seeks to achieve:

   a. Adequate Supply of sand and gravel in the State to meet the demand of the market.

   b. Transparent allotment of mining rights to achieve adequate supply of sand and gravel through private participation

   c. Adequate monitoring to check illegal mining

   d. Market interventions by the Government to check prices and to ensure adequate supply

Introduction

a. This policy may be called the PUNJAB STATE MINOR MINERAL POLICY, 2023.

b. It shall come into force from the date of Notification in the official gazette.

2. Definitions

In this Policy the following words shall have the meaning as indicated.

a. "Act" shall mean the *"Mines and mineral (development and regulation) Act 1957"*

b. "Annual Concession Quantity" shall mean the quantity of sand and gravel that the concessionaire

shall be allowed to mine from any Cluster of Commercial Mining Sites for any particular year during the period of Concession.

c. "Annual Concession Value"shall be the figure arrived at by multiplying the Annual Concession Quantity by the Revenue

d. "Commercial Project" shall mean any infrastructure project involving realty, roads, highways, railways or any building being constructed for commercial usage.

e. "Developer" shall mean the owner of a privately owned Commercial Project, or the appointed Contractor in case of a Government Commercial Project

f. "Director" shall mean the Director, Mines and Geology, Government of Punjab

g. "DMF Fund" shall mean District Mineral Foundation Fund and shall have the same meaning as mentioned in *The Punjab District Mineral Foundation Rules, 2018*

h. "DSR" shall mean the District Survey Reports as defined in Sustainable Sand Mining Management Guidelines, 2016 issued by the Ministry of Environment and Forests and Climate Change, Government of India

i. "EC" shall mean Environmental Clearance as defined in Notification S.O. 1533(E) dated 14.9.2006 issued by the Ministry of Environment and Forests, Government of India

j. "EMF" shall mean Environmental Management Fund and shall have the same meaning as mentioned in Rules

k. "Government" shall mean the Government of Punjab in the Department of Mines & Geology

l. "Maximum Concession Value" shall mean the value arrived at by multiplying Revenue and the total quality of sand and/or gravel in any CMS or cluster of CMS as mentioned in Annexure VII

m. "Pit-head Price" shall mean the net sale price of sand or gravel excluding GST, at any Mining Site under this Policy

n. "Portal" shall mean the web-portal https://minesandgeology.punjab.gov.in

o. "Revenue" shall mean the sum of Royalty, EMF and DMF as defined in the Pit-head Price

p. "Royalty" shall have the same meaning as mentioned in the Rules

q. "Rules" shall mean the *Punjab Minor Mineral Rules, 2013*

r. "Secretary" shall mean the Administrative Secretary Mines & Geology, Government of Punjab

s. "SEIAA" shall mean the State Environmental Impact Assessment Authority as defined in the Notification S.O. 1533(E) dated 14.9.2006 issued by the Ministry of Environment and Forests, Government of India

t. "Total Concession Quantity" shall mean the total quantity of sand and gravel which the concessionaire commits to mine during the concession period in any Cluster of CMS

u. "Total Concession Value" shall mean the amount calculated by multiplying the Total Concession Quantity quoted by the Concessionaire with the Revenue.

v. "Year" shall mean an initial period of 365 days calculated from the date of permitting of Mining Rights to any concessionaire, and every 365 days subsequently.

3. Mining Sites

a. There shall be two classes of Mining Sites namely Commercial Mining Sites (CMS) and Public Mining Sites (PMS). While Commercial Mining Sites shall be grouped into distinct Clusters, the Public Mining Sites shall be stand alone sites.

b. Annexure I gives District-wise details of Mining Sites for which EC has been granted by SEIAA along with estimated available sand and gravel in these Sites, the period of validity of the EC and the method of excavation permitted by SEIAA

c. Annexure II gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Mechanical excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

d. Annexure III gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Semi-Mechanical excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

e. Annexure IV gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which mining using Manual excavation methods has been permitted by SEIAA, along with estimated available sand and gravel in these Sites and the period for which mining has been permitted by SEIAA.

f. Annexure V gives the District-wise details of Mining Sites included in any DSR duly approved by SEIAA and for which no order permitting mining through any form has been permitted by SEIAA, along with estimated available sand and gravel in these Sites.

g. Annexure VI gives details of estimated available sand and gravel in the Mining Sites earmarked as PMS, the excavation method permitted by SEIAA, the validity of such permission and the quantities to be allowed for quarrying.

h. Annexure VII gives details of estimated available sand and gravel in each Cluster of earmarked CMS Sites, the excavation method permitted by SEIAA, the validity of such permission and the quantities to be allowed for quarrying.

i. Annexures I-VII can be amended at any time by the Government

4. Public Mining Sites

a. Each PMS shall be operated by the Department of Mining & Geology or any Agency or official nominated by it through a special order.

b. Only manual excavation of sand shall be permitted in PMS and the excavated sand shall not be used in commercial projects.

c. Consumers shall be permitted to arrange a vehicle and/or labour to a PMS site for the purpose of excavation of sand and its transportation.

d. Sand shall be sold at the pit-head price plus GST at any PMS

e. The cost of excavation, loading and transportation of sand from any PMS shall be borne by the consumer at his level.

f. Presence of any heavy machinery such as Tipper or JCB in any PMS shall be assumed to be for the purpose of illegal mechanical mining and legal action shall be initiated immediately.

g. The onus of ensuring that the sand purchased from a PMS is not used in any commercial project shall lie on the purchaser. In case it is discovered that the sand excavated from a PMS has been used in a commercial project, an amount equal to three times the pit head price of the sand shall be recoverable from the Developer.

h. The onus of ensuring the road worthiness of any vehicle arranged by a consumer for transportation of sand from a PMS shall lie on the consumer. Any authority prescribed under the Motor Vehicle Act, 1988, as amended from time to time, may at any time inspect any vehicle and take such legal action as is deemed fit, in case the vehicle is found contravening any provision of the said Act.

5. Commercial Mining Sites

a. Mining Rights of clusters of CMS shall be granted to concessionaires selected through a transparent e-tendering process. Methodology of excavation of sand and gravel in these sites shall be as permitted in the Annexure VII to this Policy.

b. The Concessionaire shall be responsible for creating necessary infrastructure at the site in accordance with the guidelines issued from time to time. He shall also be responsible for ensuring that mining in the CMS allotted to him is done strictly in accordance with the guidelines issued by the Director and/or SEIAA and/or Ministry of Environment & Forests, Government of India from time to time.

Clusters

CMS may be grouped into distinct Clusters with an aim of ensuring adequate competition and viability of operations.

Grant of Mining Rights

a. Mining rights of Sand and gravel in a Cluster of CMS shall be allotted through e-tender by 2-Bid system involving Technical Bid and Financial Bid in accordance with the provisions of the Act.

b. The Bid parameter shall be the Total Concession Quantity and the H1 bid of equivalent Total Concession Value shall be the sole determining factor in the Financial Bid for award of the Tender for any Cluster.

c. Wherever there is a tie for the H1 Bid, the tie shall be resolved by the Director through draw of lots and the procedure shall be videographed. The Concessionaires who have given the tied H1 bid shall be encouraged to be present at the time of draw of lots. They may independently arrange to videograph the process at their respective costs, and the Director shall allow the same. Any Concessionaire who has given a bid lower than the H1 bids shall not be allowed to be present during the draw of lots.

d. Upon successful completion of the tender process, the Director shall, with the approval of the Government, issue the order proposing grant of mining rights to the successful Concessionaires in such Form as may be prescribed and on fulfillment of such conditions as may be prescribed.

Period of Concession:

a. The Mining Rights for any cluster of CMS shall be awarded for a period of three years.

b. The Government may, at its discretion, extend these rights for a period of not more than six months for reasons to be recorded in writing.

Application for Grant of Mining Rights

Any person desirous of grant of mining rights in a CMS / cluster of CMS shall submit his bid online on the e-tendering portal.

Application Fee

a. Each bid for grant of mining rights shall be accompanied by a fee of Rs. 25,000 (non-refundable) through the e-tendering portal.

b. In accordance with the provisions of the Act, the bidder shall also submit an EMD equivalent to 5% of the Maximum Concession Value of his bid through the e-tendering portal, which shall be refunded in case the bid is unsuccessful.

c. EMDs of successful bidders shall be adjusted in the initial quarterly payments due from them.

Eligibility and Capacity –

a. Registered companies, partnerships, societies including co-operative societies, sole proprietors and individuals shall be eligible to apply for Mining Rights subject to fulfillment of the following eligibility criteria:

b. Average annual turn-over of the bidder during the last three financial years ending 31st March must not be less than Rs. 2 crore

c. The bidder shall undertake to ensure the presence of Site Manager(s) and Software professional(s) for each cluster.

Total Concession Quantity

a. The Total Concession Quantity, shall be the bid parameter and shall in no case be higher than quantity of sand and gravel defined for a Cluster in Annexure VII.

b. The estimated available quantity in each Cluster is, however, indicative and it is responsibility of the bidder to make his own assessment about it before submitting a bid.

c. The Department shall not be liable to compensate the miner in any way for any subsequent case of proven mismatch between the actual quantity of sand and gravel on the ground and the quantity defined in Annexure VII.

Annual Concession Quantity

a. The normal Annual Concession Quantity, shall be fixed at 1/3rd of the Total Concession Quantity.

b. The Concessionaire may, at any time before the conclusion of the 1st year of the Concession, offer to excavate a quantity higher than the normal Annual Concession Quantity for the first year, and wherever such an offer has been received, the same shall be allowed by the Govt., and the Annual Concession Quantity for the 1st year shall then be pegged at such an offered quantity,

c. Any rise in Annual Concession Quantity for the first year, due to such an offer by the Concessionaire, shall be offset by a corresponding reduction in the Annual Concession Quantity of the 3rd Year.

d. The Concessionaire may, at any time before the conclusion of the 2nd year of the Concession, offer to excavate a quantity higher than Annual Concession Quantity fixed for the 2nd year, and wherever such an offer has been received, the same shall be allowed by the Govt., and the Annual Concession Quantity for the 2nd year shall then be such offered quantity.

e. Any rise in Annual Concession Quantity for the 2nd year, due to such an offer by the Concessionaire, shall

rue offset by a corresponding reduction in the Annual Concession Quantity of the 3rd Year.

Sale Price of sand & gravel:

a. Both sand and gravel shall be sold by the concessionaire at the pit head i.e. at the mining site from where the material has been excavated. Sand and gravel shall only be sold at the pit head price fixed under this Policy. The detailed breakup of the pithead price is placed at Annexure VIII to this policy

b. The government may at any time notify the maximum rates, linked to distance, that can be charged per cubic feet for transportation of sand and gravel. Wherever such rates have been notified, it shall be the duty of the concessionaire to verify that the transporter has not charged more than the notified rate, and where it is discovered that the rate charged is more, he shall decline to sell sand/gravel to such a transporter.

c. Violation of the above condition may result in cancellation of the agreement and forfeiture of the security amount

Power to revise Pit Head Price

(i) The government may, at any time, revise the pit head price for any CMS or PMS notwithstanding the fact that such CMS have already been allotted for mining to any concessionaire under this policy. Where any such revision in pithead price is decided by the government, the concessionaire shall be bound to sell the sand and gravel at the revised pithead price.

ii) The revision in pithead price may be effected by a change in any of the entries at Sr No 1-4, 6 and 8 in the Table in Annexure VIII to this policy. Under no circumstances will the entry at Sr No 5 related to _"Cost of Excavation & loading and Profit Margin for Concessionaire in any CMS" _ be changed after award of Mining rights to any Concessionaire.

Concession Amount

a. The concession shall be awarded at a lump sum amount equal to the Total Concession Value. The Concessionaire shall pay to the Government, or to any Agency authorised by it in this regard, the concession amount in quarterly installments in advance for each quarter as per the following schedule :

   i. 35% of Annual Concession Value for the first three months of the year

   ii. 25% of Annual Concession Value for the next three months of the year

   iii. 20% of Annual Concession Value for the next three months of the year

   iv. 20% of Annual Concession Value for the last three months of the year

b. The quarterly installments shall be payable irrespective of whether the Concessionaire has been able to commence the mining operations satisfactorily or not.

Security

a. In order to discourage frivolous/ bids, a Security in the form of cash or Demand Draft or bank guarantee shall be received from the successful bidder, and which shall be 25% of Annual ConcessionValue.

b. The amount of security shall be adjusted in the last instalment(s) after adjustment of any other dues to be recovered.

c. The Director shall also reserve the right to draw from the Security any amount recoverable from the concessionaire on account of deficiency in services, including the value of any quantity of sand and gravel discovered to be illegally extracted by the Concessionaire. The contractor shall be charged at thrice the pit head rate for any quantity illegal extracted by him.

Award of Concession and Signing of Agreement –

a. The successful bidder shall be awarded the concession to mine sand and gravel for a period of 3 years.

b. The successful bidder shall execute and register the concession agreement within 15 days from date of issuance of provisional acceptance as per Form-L1 under rule 42G of the Rules which may be suitably amended from time to time, and give requisite performance guarantee.

Start of concession period :

Concession period of the Concessionaire shall commence after

i. One month of award of provisional acceptance; OR

ii. Signing of the contract agreement, obtaining all required clearances, installation of electronic weigh bridge and deposit of the security amount and first quarterly advance installment whichever is earlier.

Identification of Mines and Clearances –

a. The Department shall be responsible to hand over the CMS / Cluster of CMS to the Concessionaire.

b. All ECs and permissions from SEIAA shall also be obtained by the Department of Mines & Geology.

c. The EC for any CMS shall be temporarily transferred, with the approval of SEIAA, to the Concessionaire for the period for which mining rights for such a CMS have been granted to him.

d. The Department shall, however, reserve the right to withdraw the EC from any Concessionaire at any time for reasons to be recorded in writing.

e. The Concessionaire shall obtain the consent of the land owner(s), wherever the same is not available, arrange for all infrastructural requirements like a right of way etc.

f. Desilting operations in any water channel shall not be allowed to any Concessionaire under this policy.

g. The Director may at any time deploy such physical/ digital monitoring mechanisms through the resources of the Government, as are deemed necessary, in any CMS/ Cluster of CMS/ PMS to check whether the operations are being carried out in accordance with this policy or not.

Construction of Basements in Buildings :

a. Rs. 5 per sq. ft. shall be charged by the Town Planning Authority or any Authority duly authorized by the department, approving the building plans where construction of basement is proposed for each storey of basement to be constructed.

b. This shall not be applicable for residential houses of any size or for any other building on a plot size upto to five hundred square yards.

c. The revenue collected shall be collected by respective local bodies/ Town Planning authorities and deposit it in the appropriate Receipt Head of the Department.

Royalty Rate of Clay and Ordinary Earth:

a. The royalty rate of ordinary clay and ordinary earth is fixed at Rs. 2.00 per cubic feet for use in construction of Commercial Infrastructure Projects except brick kilns.

b. Further, no royalty rate shall be imposed on excavation of ordinary clay and ordinary earth which is to be used by farmers for activities other than commercial infrastructure projects.

Excavation of Ordinary Earth :

a. Only Manual excavation of ordinary earth shall only be permitted for non commercial projects in the area

up to 2 acres or depth upto 3 feet. The land owner shall obtain prior permission of the department. The Department shall facilitate online submission and clearance of all such applications within 7 days of receipt.

Unauthorised Transport of sand & Gravel:

a. State Govt. shall collect Royalty and penalty amount from all the vehicles carrying processed or unprocessed minor minerals, which do not possess requisite documents, across the interstate borders into the State of Punjab provided that the sum collected from each vehicle shall not be less than the pit-head price fixed for sale of sand or gravel, as the case may be, at the Mining Site.

b. The Government shall notify the rate, from time to time, at which the sum is to be collected. Further, confirmation receipt in a form prescribed by the govt. shall be issued immediately to all such vehicles.

Failure to excavate adequate quantity :

Where any concessionnaire fails to excavate at least 60% of the annual concession quantity, a penalty equal to 20% of concession value of the shortfall will be payable by the concessionaire at the close of the respective year before further mining is allowed.

Surrender of Concession

The Government may accept the concessionnaire's request for surrender of a concession subject to the condition that 75% of the Security shall be forfeited in case the request is received in the 1st year, 50% of the Security shall be forfeited in case the request is received in the 2nd year and 30% of the Security shall be forfeited in case the request is received in the 3rd year,

Punjab Sand Portal –

a. The Department is implementing an Online Punjab Sand Portal and sale of sand to all consumers, small, medium or large, will be through online mode. All transactions/payments will be captured through an online real time monitoring system.

b. Sale of sand will be controlled by electronic documentation linked to a central documentation monitoring facility which will upload the daily progress report on the portal.

c. The concessionaire of each CMS/ Cluster of CMS shall have to notify the rate of sand on this portal. The summary of online order and the quantity of available sand at the mine shall be available on the portal. Punjab Sand Portal shall be a facility available to consumer and act as an MIS for the department and concessionaire. A mobile app shall also be launched for booking of orders by consumers. Online orders can be booked from Divisional Mining Office or Sub-Divisional Mining Office.

d. All big consumers i.e. contractors or firms consuming more than 2,50,000 cubic feet sand, gravel, river bed material and ordinary earth in total in a project such as in Roads, Irrigation Works, Dams and Buildings of any type will be required to keep record of and check authenticity of way slips from official web-site of the department. The Director will create a facility on the Sand Portal that will allow these consumers to scan the QR codes of weighment slips of sand and gravel used by them, and thus automatically upload the quantity on the portal. They will file a return online annually with the Mining department indicating the consumption along with log of way slips failing which they shall be liable to pay the Government dues along with 50% of it as penalty.

Registration of Vehicles on Punjab Sand Portal –

a. All commercial vehicles used for transportation of sand, from CMS shall be registered on the sand portal These vehicles shall have Hologram and such other marking facilities as may be ordered by the Government from time to time.

b. The Department shall endavour to create a facility to allow consumers to purchase the sand and gravel online through the departmental web-portal i.e. https://minesandgeology.punjab.gov.in. As and when such a facility is created, it shall be binding on the Concessionaire to accept online orders received from the portal and service them on priority.

c. The list of all the registered vehicles along with their contact details shall be displayed for the customers to place orders for transportation.

d. In the case of PMS the details of the vehicles shall be uploaded at the time of sale of sand or gravel at the pit-head.

Weigh-bridges and Weighment Slips

a. Each mine shall have an electronic weigh-bridge, integrated with a central server. Any vehicle found carrying sand without proper weighment slip shall be liable to be seized under the provisions of the Mines and Minerals (Development and Regulation) Act, 1957 or the rules made there under.

Provided that the Director may, with the approval of the Government, allow issuance of weighment slips on the basis of volumetric calculation of sand in PMS, wherever there is a delay in installment of weighbridge in such a PMS.

b. The concessionaires shall be responsible for installation of weighbridge at sites, their operation, integration with the department web portal and installation of CCTV cameras at sites.

c. The weighment slips for transportation of sand will have the security features like bar codes, QR codes and will be stamped with date and time along with all other information.

d. All vehicles carrying sand shall mandatorily carry the weighment slips for transportation of sand.

e. Revenue collected by the Concessionaire against Information and Technology pegged @ 8paise per cubic feet of Annual Concession Quantity, shall be deposited in the State exchequer by the contractor along with other quarterly installments.

f. It shall be the responsibility of the contractor for maintenance of roads connecting mining sites and to ensure that traffic is not interrupted in the vicinity of mine due to the movement/breakdown of vehicles carrying sand and gravel.

Geo-tagging of mines –

Geo-tagging of the mine area will be carried out while conducting physical inspection as the boundary of the mine will be checked using the coordinates recorded in GPS device, and the monitoring team can check whether any mining activity is going on outside the permitted area or not.

Currently auctioned mines to continue operations

The mines which are currently auctioned shall continue to operate till the completion of their tenure and shall be excluded from the mining rights to be auctioned under this policy.

Amendment in Rules

Necessary amendment to the Punjab Minor Mineral Rules, 2018 shall be made separately, wherever required, in accordance with the Punjab State Sand and Gravel Policy, 2023.

Review

The Government may from time to time review this policy and issue fresh guidelines or amendments as it may deem fit.

Implementation and Appeal

a. The Director of Mines and Geology, Punjab shall take immediate necessary action for the implementation of the policy and make necessary arrangements for its wide publicity.

b. Due publicity shall be done for the information of public at large through mass media, notice boards at pit head of the mine sites to ensure that no one charges any amount more than the pit head rates. In case any State Government official is found to create hindrance in the mining operations without any valid reason or justification, then the disciplinary proceedings shall be carried out as per rules. In case any contractor charges more than the fixed selling prices, his agreement shall be cancelled and due penalty shall be imposed.

c. Dedicated toll free number shall be made available to the consumers to register their complaint, when they are charged more than the fixed selling price of sand and gravel.

d. Wherever a specific provision of appeal against any order passed by the Director, in pursuance of implementation of this policy, does not exist in the Rules, such an appeal shall lie before the Secretary.

Sd/-

GURKIRAT KIRPAL SINGH IAS,

Secretary to Government of Punjab,

Department of Mines and Geology

ANNEXURE-I

Mining Sites with valid EC and Method of Excavation Permitted by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
1	ROPAR	Surewal	52.75	78161	30.11.23	Semi Mechanized
2	ROPAR	Dayapur	48.68	63000	30.11.23	Semi Mechanized
3	ROPAR	Plassi	19.45	22000	30.11.23	Manual
4	ROPAR	Bhallan	5.1	12240	30.11.23	Manual
5	ROPAR	Nangran	32.39	11542	19.02.23	Manual
6	Ludhiana	Akkuwal (Riverbed Mine)	20.65	903231	02.05.24	Semi Mechanized
7	Ludhiana	Hujra (Riverbed Mine)	22.26	973652	03.05.24	Manual
8	Ludhiana	Boont (Riverbed Mine)	24.28	1062007	03.05.24	Semi Mechanized
9	Ludhiana	Khasi Kalan (Off River Mine)	3.85	41406	05.11.27	Manual
10	Ludhiana	Gorsian Khan Mohammad Contractor (Riverbed Mine)	24.69	1079941	03.05.24	Manual
11	Ludhiana	Chakli Kasab (Riverbed Mine)	8.2	358668	03.05.24	Manual
12	Ludhiana	Bhukri Khurd (Off River Mine)	17.23	107663	03.05.24	Manual
13	Ludhiana	Balliewal (Off River Mine)	12.31	107688	03.05.24	Semi Mechanized
14	Ludhiana	Rattangarh (Off River Mine)	13.76	110487	03.05.24	Semi Mechanized
15	Ludhiana	Lubhangarh (Riverbed Mine)	6.77	42303	03.05.24	Manual
16	Ludhiana	Baunkar Gujran (Riverbed Mine)	7.5	41871	03.05.24	Manual
17	Ludhiana	Kutbewal Arian (Riverbed Mine)	10.12	442649	02.05.25	Manual
18	SBS Nagar	Begowal	1.42	9504	04.05.23	Manual

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
19	SBS Nagar	Arzi Derya Bramd Rail (1)	4.9	127422	05.11.27	Semi Mechanized
20	Jalandhar	Vehra	13.15	575181	03.05.25	Manual
21	Jalandhar	Danewal	10.12	442694	03.05.25	Manual
22	Jalandhar	Maun Sahib	18	787320	03.05.25	Manual
23	Jalandhar	Chak Budala	7.66	335048	03.05.25	Manual
24	Jalandhar	Pipli	4.451	194643	03.05.23	
25	Ferozepur	Bandala	1.62	70801	22.10.23	Manual
26	Ferozepur	Kamalwala-2	3.6	157584	21.10.23	Manual
27	Ferozepur	Jama Mega	4.45	194357	21.10.23	Manual
28	Gurdaspur	Raji Beli	14.5	636502	03.05.25	Manual
29	Gurdaspur	Gurchak	6.79	296994	03.05.25	Manual
30	Gurdaspur	Mugla	4.39	192049	30.09.23	Manual
31	Gurdaspur	Kishana	1.92	83980	30.09.23	Manual
32	Gurdaspur	Chak Ram Sahai	19.2	170000	19.2.23	Semi Mechanized
33	Hoshiarpur	Rara	12.94	565995	03.05.25	Manual
34	Hoshiarpur	Taggar Kalan	13.36	730458	03.05.25	Manual
35	Pathankot	Muthi	12.71	694918	03.05.25	Manual
36	Pathankot	Samrala	11.78	644072	03.05.25	Manual
37	Pathankot	Mamoon-1	88	528000	21.11.23	Semi Mechanized
38	Pathankot	Dulpat	11.6	100000	21.11.23	Semi Mechanized
39	Pathankot	Barsoon	12.4	100000	21.05.23	Semi Mechanized
Total			**608.951**	**13096031**		

Note: The Government may at any time amend the annexure

ANNEXURE-II

Mining Sites (in DSR) with Mechanical excavation permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Note: The Government may at any time amend the annexure

ANNEXURE-III

Mining Sites (in DSR) with Semi-Mechanical excavation permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC (MT/yr)	EC Valid upto	Method of mining
1						
2						
3						
4						
5						
6						
7						

Note: The Government may at any time amend the annexure

ANNEXURE-IV

Mining Sites (in DSR) with Manual Excavation Permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
DISTRICT FAZILKA							
1	Badha	3.64	145650	31.03.2023	manual	Sand	Total Sites =19 Nos. of B1 Sites= 01 Nos. of B2 Sites= 18
2	Badha	0.20	7993	31.03.2023	manual	Sand	
3	Behak Hasta Uttar/ghurka	1.89	69838	31.03.2023	manual	Sand	
4	Navi Basti Salemshah	2.63	105833	31.03.2023	manual	Sand	
5	Mahatam Nagar	1.18	43881	31.03.2023	manual	Sand	
6	Abdul Khaliq urf Miana Basti	4.22	151222	31.03.2023	manual	Sand	
7	Ganjuana, Shikarpur urf Kawan wali	5.56	165631	31.03.2023	manual	Sand	
8	Mohar Singh wala Hithar	2.03	77556	31.03.2023	manual	Sand	
9	Sukhera Bodla	2.04	77085	31.03.2023	manual	Sand	
10	Chak Gareeban Sandar	1.89	74954	31.03.2023	manual	Sand	
11	Amir Khas	1.93	72445	31.03.2023	manual	Sand	
12	Thara Singh wala Uttar	2.02	76322	31.03.2023	manual	Sand	
13	Mohar Singh wala Hithar	1.82	73713	31.03.2023	manual	Sand	
14	Sukhera Bodla	1.28	49541	31.03.2023	manual	Sand	
15	Sukhera Bodla	1.69	64977	31.03.2023	manual	Sand	
16	Thara Singh wala Uttar	2.56	94281	31.03.2023	manual	Sand	
17	Mohar Singh wala	0.37	14727	31.03.2023	manual	Sand	
18	Mohar Singh wala	1.57	63393	31.03.2023	manual	Sand	
19	Mohar Singh wala	4.86	198936	31.03.2023	manual	Sand	
	Total	**43.38**	**1627978**				
DISTRICT LUDHIANA							
1	Chakli Kasab	40.67	1878954	20.04.2023	manual	Sand	Total Sites =57 Nos. of B1 Sites= 22 Nos. of B2 Sites= 35
2	Dhulewal	32.75	670786	20.04.2023	manual	Sand	
3	Dhulewal	3.97	55024	20.04.2023	manual	Sand	
4	Dhulewal	5.65	46115	20.04.2023	manual	Sand	
5	Dhulewal	1.08	14304	20.04.2023	manual	Sand	
6	Dhulewal	1.37	33546	20.04.2023	manual	Sand	
7	Garhi Fazal	7.81	215650	20.04.2023	manual	Sand	
8	Burj Matewara	0.49	23079	20.04.2023	manual	Sand	
9	Burj Matewara	24.83	1169493	20.04.2023	manual	Sand	
10	Rour	53.47	2518437	20.04.2023	manual	Sand	
11	Burj Matewara	10.00	471000	20.04.2023	manual	Sand	
12	Rour	3.68	173328	20.04.2023	manual	Sand	
13	Sasrali Colony	1.28	50441	20.04.2023	manual	Sand	
14	Sasrali Colony/Boont	20.05	572909	20.04.2023	manual	Sand	
15	Boont	18.73	882183	20.04.2023	manual	Sand	
16	Boont	3.64	153157	20.04.2023	manual	Sand	
17	Churwal	1.51	70668	20.04.2023	manual	Sand	
18	Sujatwal	3.71	173628	20.04.2023	manual	Sand	
19	Sujatwal	1.22	57096	20.04.2023	manual	Sand	
20	Sujatwal/Jamaal pur Lily	2.92	136656	20.04.2023	manual	Sand	
21	Sujatwal/Jamaal pur Lily	10.08	471744	20.04.2023	manual	Sand	
22	Jamaalpur Lily	3.77	176436	20.04.2023	manual	Sand	
23	Jamaalpur Lily	8.45	395460	20.04.2023	manual	Sand	
24	Jamaalpur Lily	1.91	89388	20.04.2023	manual	Sand	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
25	Jamaalpur Lily	9.99	467532	20.04.2023	manual	Sand	
26	Jamaalpur Lily/Kasabad	10.65	498420	20.04.2023	manual	Sand	
27	Jamaalpur Lily/Kasabad	10.97	513396	20.04.2023	manual	Sand	
28	Kasabad	0.68	27369	20.04.2023	manual	Sand	
29	Kasabad	15.68	733824	20.04.2023	manual	Sand	
30	Kasabad		0	20.04.2023	manual	Sand	
31	Kasabad		0	20.04.2023	manual	Sand	
32	Kasabad	0.65	30420	20.04.2023	manual	Sand	
33	Kasabad	0.24	11232	20.04.2023	manual	Sand	
34	Talwandi Kalan	1.11	51948	20.04.2023	manual	Sand	
35	Manewal	32.95	1512405	20.04.2023	manual	Sand	
36	Talwandi Naubad	21.36	647080	20.04.2023	manual	Sand	
37	Gorsian Khan Mohammad	2.27	104193	20.04.2023	manual	Sand	
38	Hujra	8.82	184876	20.04.2023	manual	Sand	
39	Maddepur	20.59	671316	20.04.2023	manual	Sand	
40	Parijan Biharipur	32.49	1212917	20.04.2023	manual	Sand	
41	Kannian Hussaini	2.71	31097	20.04.2023	manual	Sand	
42	Kannian Hussaini	1.66	61463	20.04.2023	manual	Sand	
43	Kannian Hussaini	2.79	90496	20.04.2023	manual	Sand	
44	Kannian Hussaini	4.49	116614	20.04.2023	manual	Sand	
45	Hayatewal	10.44	250654	20.04.2023	manual	Sand	
46	Hayatewal	8.22	142740	20.04.2023	manual	Sand	
47	Hayatewal	22.69	308357	20.04.2023	manual	Sand	
48	Baghian	3.68	166704	20.04.2023	manual	Sand	
49	Baghian	0.31	11609	20.04.2023	manual	Sand	
50	Dhananshu	2.02	92112	20.04.2023	manual	Sand	
51	Dhananshu	1.77	80712	20.04.2023	manual	Sand	
52	Koomkalan	2.30	105570	20.04.2023	manual	Sand	
53	Baliewal	2.33	106248	20.04.2023	manual	Sand	
54	Baliewal	2.70	123120	20.04.2023	manual	Sand	
55	Baliewal	1.17	53352	20.04.2023	manual	Sand	
56	Baliewal	2.30	104880	20.04.2023	manual	Sand	
57	Bhukhari Khurd	2.04	93024	20.04.2023	manual	Sand	
	Total	**505.11**	**19105162**				
DISTRICT PATHANKOT							
1	Muthi, samrala, sarota	43.49	690824	31.03.2023	manual	RBM	Total Sites =36 Nos. of B1 Sites= 22 Nos. of B2 Sites= 14
2	Muthi, samrala, sarota	53.22	966150	31.03.2023	manual	RBM	
3	Muthi, samrala, sarota	0.98	20014.7	31.03.2023	manual	RBM	
4	Muthi, samrala, sarota	0.65	11800	31.03.2023	manual	RBM	
5	Bhadrali, shehar, chann	101.17	2247989	31.03.2023	manual	RBM	
6	Jammu	32.93	813002	31.03.2023	manual	RBM	
7	Jammu	12.39	305894	31.03.2023	manual	RBM	
8	Kharkara, Chak hari rai	61.78	4384692	31.03.2023	manual	RBM	
9	Meira kalan	90.22	3002508	31.03.2023	manual	RBM	
10	Chattwal	12.40	265833	31.03.2023	manual	RBM	
11	Barsoon, chattwal	22.84	435241	31.03.2023	manual	RBM	
12	Barsoon	22.90	484060	31.03.2023	manual	RBM	
13	Barsoon, Mamoon	19.50	464492	31.03.2023	manual	RBM	
14	Mamoon	3.10	66458.1	31.03.2023	manual	RBM	
15	Kharkra Tarf Narot	4.50	211410	31.03.2023	manual	RBM	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
16	Siunti Jaswan Narote	8.47	410270	31.03.2023	manual	RBM	
17	Siunti, Tarf Narot Jaimal Singh	2.92	141439	31.03.2023	manual	RBM	
18	Sarota	7.11	304900	31.03.2023	manual	RBM	
19	Muthi	10.80	463139	31.03.2023	manual	RBM	
20	Jhumbar Narot Jaimal Singh	10.60	480816	31.03.2023	manual	RBM	
21	Jaswan	5.65	255369	31.03.2023	manual	RBM	
22	Siunti	7.20	325426	31.03.2023	manual	RBM	
23	Siunti	4.65	225237	31.03.2023	manual	RBM	
24	Kharkhara Taraf Narot Jaimal Singh	4.70	220806	31.03.2023	manual	RBM	
25	Shahpurgopi	34.50	1676700	31.03.2023	manual	RBM	
26	Samrala	0.53	15783	31.03.2023	manual	RBM	
27	Kot Bhatian	8.07	346067	31.03.2023	manual	RBM	
28	Muthi	1.78	78983	31.03.2023	manual	RBM	
29	Pindi Parolian	8.42	361077	31.03.2023	manual	RBM	
30	Siunti Taraf Narot Jaimal Singh	0.80	36158	31.03.2023	manual	RBM	
31	Siunti Taraf Narot Jaimal Singh	2.84	137564	31.03.2023	manual	RBM	
32	Siunti Tarf Narot Jaimal Singh	14.29	648194	31.03.2023	manual	RBM	
33	Gol	1.90	92340	31.03.2023	manual	RBM	
34	Gol	0.44	21384	31.03.2023	manual	RBM	
35	Mairan Kalan	4.91	204423	31.03.2023	manual	RBM	
36	Bhadrali	32.80	1588766	31.03.2023	manual	RBM	
	Total	**655.45**	**22405208.8**				
DISTRICT RUPNAGAR							
1	Bela dhani	0.31	7140.17	31.03.2023	manual	RBM	Total Sites =95 Nos. of B1 Sites= 39 Nos. of B2 Sites= 56
2	Bela dhani	0.37	8522.14	31.03.2023	manual	RBM	
3	Bela dhani	0.35	8061.48	31.03.2023	manual	RBM	
4	Bela dhani	2.04	46986.9	31.03.2023	manual	RBM	
5	Bela Dhani, Palasi,Sangatpur	1.26	25808	31.03.2023	manual	RBM	
6	Bela dhani, Plassi, Sangatpur	1.77	36254.1	31.03.2023	manual	RBM	
7	Plassi	1.56	31952.8	31.03.2023	manual	RBM	
8	Plassi	0.70	14337.8	31.03.2023	manual	RBM	
9	Bhanam	1.02	23493.5	31.03.2023	manual	RBM	
10	Bhanam	1.43	32936.9	31.03.2023	manual	RBM	
11	Bela ramgarh	1.31	30173	31.03.2023	manual	RBM	
12	Bela ramgarh	0.49	11286.1	31.03.2023	manual	RBM	
13	Patti Tek Singh	1.78	45573.7	31.03.2023	manual	RBM	
14	Patti Tek Singh	1.40	35844.5	31.03.2023	manual	RBM	
15	Harshabela	8.09	227843	31.03.2023	manual	RBM	
16	Palsari	1.17	29955.7	31.03.2023	manual	RBM	
17	Palsari	9.34	215126	31.03.2023	manual	RBM	
18	Kalitran	6.81	174358	31.03.2023	manual	RBM	
19	Kalitran, Bela Ramgarh	3.72	95243.9	31.03.2023	manual	RBM	
20	Bela Ramgarh	2.14	49290.2	31.03.2023	manual	RBM	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
21	Bela Ramgarh	2.78	64031.2	31.03.2023	manual	RBM	
22	Bela Ramgarh	1.30	29942.6	31.03.2023	manual	RBM	
23	Harshbela, Mahain	1.62	33181.7	31.03.2023	manual	RBM	
24	Harshbela, Mahain	0.43	8807.5	31.03.2023	manual	RBM	
25	Harshbela, Mahain	0.90	18434.3	31.03.2023	manual	RBM	
26	Dasgran, Mahain	1.22	24988.7	31.03.2023	manual	RBM	
27	Harshbela	8.97	206604	31.03.2023	manual	RBM	
28	Harshbela	4.91	113091	31.03.2023	manual	RBM	
29	Harshbela	7.59	174819	31.03.2023	manual	RBM	
30	Burj, Ballowal, Badhal, Mehandali, Kalan, Lodhiour	4.30	121103	31.03.2023	manual	RBM	
31	Burj, Ballowal, Badhal, Mehandali, Kalan, Lodhiour	15.35	432310	31.03.2023	manual	RBM	
32	Gajjpur,Chandanpur, Khari	9.47	193970	31.03.2023	manual	RBM	
33	Mallewal, Jindapur	10.83	305011	31.03.2023	manual	RBM	
34	Tapprian, Rasidpur, Maulana	17.57	494833	31.03.2023	manual	RBM	
35	Maulana, Sultanpur	6.79	156393	31.03.2023	manual	RBM	
36	Surewal, Sehjowal	7.42	146553	31.03.2023	manual	RBM	
37	Surewal, Sehjowal	5.38	106261	31.03.2023	manual	RBM	
38	Bainspur Bhangal	4.57	90262.3	31.03.2023	manual	RBM	
39	Binspur, Bhangl	2.87	56685.5	31.03.2023	manual	RBM	
40	Binspur, Bhangl	15.58	307721	31.03.2023	manual	RBM	
41	Majari Daghaur	4.91	109100	31.03.2023	manual	RBM	
42	Nangal	1.80	39995.9	31.03.2023	manual	RBM	
43	Majari, Daghaur	1.92	47402.5	31.03.2023	manual	RBM	
44	Bhallri Majari Nangran Kalmot	6.26	154552	31.03.2023	manual	RBM	
45	Majari , Bhalri, NangranKalmot	21.99	542907	31.03.2023	manual	RBM	
46	Haripur, Vallan	28.37	630103	31.03.2023	manual	RBM	
47	Haripur, Vallan	8.03	178348	31.03.2023	manual	RBM	
48	Haripur, Vallan	4.04	99742.8	31.03.2023	manual	RBM	
49	Algran, Boothgarh	4.16	102705	31.03.2023	manual	RBM	
50	swara	2.36	58265.6	31.03.2023	manual	RBM	
51	Sainsowal	6.51	160724	31.03.2023	manual	RBM	
52	Aalowal	1.44	62899	31.03.2023	manual	Sand	
53	Aalowal	3.32	145018	31.03.2023	manual	Sand	
54	Malewal	4.23	184766	31.03.2023	manual	RBM	
55	Malana	8.26	374674	31.03.2023	manual	RBM	
56	Tapparian	0.31	14582	31.03.2023	manual	RBM	
57	Rasidpur	1.21	52853	31.03.2023	manual	RBM	
58	Malana	2.64	119750	31.03.2023	manual	RBM	
59	Sultanpur	3.13	136718	31.03.2023	manual	RBM	
60	Nangra Kalmot	6.83	288568	31.03.2023	manual	RBM	
61	Nangra Kalmot	11.24	474890	31.03.2023	manual	RBM	
62	Nangra Kalmot	5.29	223503	31.03.2023	manual	RBM	
63	Nangra Kalmot	3.14	132665	31.03.2023	manual	RBM	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
64	Nangra Kalmot	10.76	454610	31.03.2023	manual	RBM	
65	Nangra Kalmot	2.85	120413	31.03.2023	manual	RBM	
66	Nangra Kalmot	3.10	130975	31.03.2023	manual	RBM	
67	Nangra Kalmot	8.77	370385	31.03.2023	manual	RBM	
68	Nangra Kalmot	12.85	542913	31.03.2023	manual	RBM	
69	Nangra Kalmot	32.85	1387913	31.03.2023	manual	RBM	
70	Nangra Kalmot	26.48	1118780	31.03.2023	manual	RBM	
71	Nangra Kalmot	1.25	52813	31.03.2023	manual	RBM	
72	Nangra Kalmot	5.97	252233	31.03.2023	manual	RBM	
73	Nangra Kalmot	7.45	314763	31.03.2023	manual	RBM	
74	Nangra Kalmot	5.68	240107	31.03.2023	manual	RBM	
75	HARSABELA	8.64	364934	31.03.2023	manual	RBM	
76	HARSABELA	0.55	23238	31.03.2023	manual	RBM	
77	Massewal	0.98	40670	31.03.2023	manual	RBM	
78	Daboor	0.69	28463	31.03.2023	manual	RBM	
79	Dollowal	2.82	115620	31.03.2023	manual	RBM	
80	Agampur	0.60	25200	31.03.2023	manual	RBM	
81	Agampur	0.39	16380	31.03.2023	manual	RBM	
82	Agampur	0.44	18270	31.03.2023	manual	RBM	
83	Lodhipur	1.02	41471	31.03.2023	manual	RBM	
84	Chandpur	1.01	44450	31.03.2023	manual	RBM	
85	Majari	9.41	397573	31.03.2023	manual	RBM	
86	Majari	0.46	19435	31.03.2023	manual	RBM	
87	Majari	0.26	10985	31.03.2023	manual	RBM	
88	Nangra Kalmot	14.34	602280	31.03.2023	manual	RBM	
89	Nangra Kalmot	27.24	1144080	31.03.2023	manual	RBM	
90	Nangra Kalmot	46.06	1934520	31.03.2023	manual	RBM	
91	Nangra Kalmot	2.02	84840	31.03.2023	manual	RBM	
92	Nangra Kalmot	5.68	238560	31.03.2023	manual	RBM	
93	Nangra Kalmot	12.72	534240	31.03.2023	manual	RBM	
94	Nangra Kalmot	27.63	1160460	31.03.2023	manual	RBM	
95	HARSABELA	20.57	869083	31.03.2023	manual	RBM	
	Total	**619.83**	**21270579.49**				
DISTRICT SAS NAGAR							
1	NAGLA	0.43	8260	30.04.2023	manual	Sand	Total Sites = 06 Nos. of B1 Sites= 01 Nos. of B2 Sites= 05
2	NAGLA	0.92	26954	30.04.2023	manual	Sand	
3	NAGLA	1.45	16203	30.04.2023	manual	Sand	
4	JODHPUR	0.98	17608	30.04.2023	manual	Sand	
5	RAJAPUR	0.77	35093	30.04.2023	manual	Sand	
6	KHIZRABAD	18.2	797160	30.04.2023	manual	GRAVEL	
	Total	**22.75**	**901278**				
DISTRICT SBS NAGAR							
1	Arazi Darya Bramad Rai	2.68	125424	30.04.2023	manual	Sand	Total Sites = 78 Nos. of B1 Sites= 24 Nos. of B2 Sites= 54
2	Arazi Darya Bramad Rai	13.62	637416	30.04.2023	manual	Sand	
3	Arazi Darya Bramad Rai	1.88	87984	30.04.2023	manual	Sand	
4	Arazi Darya Bramad Rai	1.99	93132	30.04.2023	manual	Sand	
5	Arazi Darya Bramd BelaTajowal	1.19	55692	30.04.2023	manual	Sand	
6	Arazidarya Bramad Paragpur	9.44	326926	30.04.2023	manual	Sand	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
7	Arazidarya Bramad Paragpur	9.2	430560	30.04.2023	manual	Sand	
8	Arazidarya Bramad Paragpur	17.05	797940	30.04.2023	manual	Sand	
9	Mubarakpur	7.07	330876	30.04.2023	manual	Sand	
10	SARANGPUR PANJ PEDA	3.76	171862	30.04.2023	manual	Sand	
11	SARANGPUR PANJ PEDA	10.66	226163	30.04.2023	manual	Sand	
12	DUGRI	10.18	476424	30.04.2023	manual	Sand	
13	DUGRI	1.4	65520	30.04.2023	manual	Sand	
14	DUGRI	3.04	94848	30.04.2023	manual	Sand	
15	Khoja Bet	5.85	268515	30.04.2023	manual	Sand	
16	AULIAPUR & Banga Bet	4.7	215730	30.04.2023	manual	Sand	
17	AULIAPUR	0.52	23868	30.04.2023	manual	Sand	
18	AULIAPUR	1.3	59670	30.04.2023	manual	Sand	
19	AULIAPUR	2.31	79686	30.04.2023	manual	Sand	
20	MANDHALA	1.15	12751	30.04.2023	manual	Sand	
21	MANDHALA	4.7	86856	30.04.2023	manual	Sand	
22	MANDHALA	4.82	153652	30.04.2023	manual	Sand	
23	MANDHALA	4.04	116344	30.04.2023	manual	Sand	
24	MANDHALA	6.01	127725	30.04.2023	manual	Sand	
25	BEHLOOR KHURD	10.92	129468	30.04.2023	manual	Sand	
26	BEHLOOR KHURD	2.38	99503	30.04.2023	manual	Sand	
27	PHUL MAKODI	1.71	78694	30.04.2023	manual	Sand	
28	PHUL MAKODI	3.09	50614	30.04.2023	manual	Sand	
29	PHUL MAKODI	1.04	10221	30.04.2023	manual	Sand	
30	SAIDPUR KHURD	0.82	11385	30.04.2023	manual	Sand	
31	SAIDPUR KHURD	5.34	48316	30.04.2023	manual	Sand	
32	SAIDPUR KHURD	1.11	38788	30.04.2023	manual	Sand	
33	HUSSAINPUR	2.11	25670	30.04.2023	manual	Sand	
34	HUSSAINPUR	7.3	42720	30.04.2023	manual	Sand	
35	HUSSAINPUR	0.69	2763	30.04.2023	manual	Sand	
36	HUSSAINPUR	4.26	106278	30.04.2023	manual	Sand	
37	HUSSAINPUR	14.76	238669	30.04.2023	manual	Sand	
38	HUSSAINPUR	1.24	39911	30.04.2023	manual	Sand	
39	HUSSAINPUR	1.65	1271	30.04.2023	manual	Sand	
40	HUSSAINPUR	0.22	2168	30.04.2023	manual	Sand	
41	HUSSAINPUR	1.26	19986	30.04.2023	manual	Sand	
42	HUSSAINPUR	6.48	186611	30.04.2023	manual	Sand	
43	HUSSAINPUR	2.16	38586	30.04.2023	manual	Sand	
44	RATNANA	10.46	384991	30.04.2023	manual	Sand	
45	RATNANA	9.3	257796	30.04.2023	manual	Sand	
46	RATNANA	1.79	61197	30.04.2023	manual	Sand	
47	BAIRSAL	0.94	30689	30.04.2023	manual	Sand	
48	BAIRSAL	4.75	128744	30.04.2023	manual	Sand	
49	TALWANDI SHIBU	5.3	192623	30.04.2023	manual	Sand	
50	TALWANDI SHIBU	4.76	219912	30.04.2023	manual	Sand	
51	TALWANDI SHIBU	0.61	28182	30.04.2023	manual	Sand	
52	TALWANDI SHIBU	3.78	168815	30.04.2023	manual	Sand	
53	TALWANDI SHIBU	0.23	10626	30.04.2023	manual	Sand	
54	LALEWAL	0.37	17094	30.04.2023	manual	Sand	
55	LALEWAL	0.8	36960	30.04.2023	manual	Sand	

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
56	LALEWAL	4.04	186648	30.04.2023	manual	Sand	
57	LALEWAL	0.68	31416	30.04.2023	manual	Sand	
58	LALEWAL & KHOJA	5.43	250866	30.04.2023	manual	Sand	
59	KHOJA	1.84	85008	30.04.2023	manual	Sand	
60	KHOJA	4.58	211596	30.04.2023	manual	Sand	
61	KHOJA	1.47	67914	30.04.2023	manual	Sand	
62	KHOJA	0.47	21714	30.04.2023	manual	Sand	
63	KHOJA	6.35	293370	30.04.2023	manual	Sand	
64	KHOJA	7.33	338646	30.04.2023	manual	Sand	
65	KHOJA	1.02	47124	30.04.2023	manual	Sand	
66	KHOJA	24.09	1112958	30.04.2023	manual	Sand	
67	BURJ TEHAL DAS	0.81	37908	30.04.2023	manual	Sand	
68	BURJ TEHAL DAS	0.61	28548	30.04.2023	manual	Sand	
69	BURJ TEHAL DAS	0.34	15912	30.04.2023	manual	Sand	
70	BURJ TEHAL DAS	0.42	19656	30.04.2023	manual	Sand	
71	BURJ TEHAL DAS	8.71	341049	30.04.2023	manual	Sand	
72	Chandpur Rurki 366	95.48	4869480	30.04.2023	manual	RBM	
73	Chandpur Rurki 366	0.4	20400	30.04.2023	manual	RBM	
74	Chandpur Rurki 366	5.4	275400	30.04.2023	manual	RBM	
75	Chandpur Rurki 366	1.4	71400	30.04.2023	manual	RBM	
76	Chandpur Rurki 366	1.45	73950	30.04.2023	manual	RBM	
77	Chandpur Rurki 366	3.15	160650	30.04.2023	manual	RBM	
78	Majran Jattan 412	0.3	13860	30.04.2023	manual	Sand	
		415.96	**16350288**				
DISTRICT TARN TARAN							
1	Ram Singh Wala, Chakk Toot	49.15	1420491	30.04.2023	manual	Sand	Total Sites = 20 Nos. of B1 Sites= 14 Nos. of B2 Sites= 06
2	Chakk toot	11.96	345658	30.04.2023	manual	Sand	
3	Chakk toot, Jhugian Peer Baksh	8.97	259800	30.04.2023	manual	Sand	
4	Kot Budha, Jalloke	37.5	1081907	30.04.2023	manual	Sand	
5	Kot Budha, Jalloke	21.4	617408	30.04.2023	manual	Sand	
6	Jalloke	4.89	141081	30.04.2023	manual	Sand	
7	Sabhra	5.67	146898	30.04.2023	manual	Sand	
8	Sabhra	19.24	548317	30.04.2023	manual	Sand	
9	Ghullewala	2.95	82983	30.04.2023	manual	Sand	
10	Ghullewala	5.54	141673	30.04.2023	manual	Sand	
11	Sabhra	88.6	2287347	30.04.2023	manual	Sand	
12	Sabhra	22.3	575709	30.04.2023	manual	Sand	
13	Mundapind	7.66	173154	30.04.2023	manual	Sand	
14	Dhunda, Manakdeke	35.49	890089	30.04.2023	manual	Sand	
15	Dhunda	8.81	199150	30.04.2023	manual	Sand	
16	Dhunda	3.48	87278	30.04.2023	manual	Sand	
17	Jalalabad	16.62	416830	30.04.2023	manual	Sand	
18	Rakh Gagrewal	4.75	131670	30.04.2023	manual	Sand	
19	Bhalojla	0.64	16051	30.04.2023	manual	Sand	
20	Booh	2.83	128369	30.04.2023	manual	Sand	
	Total	**358.45**	**9691863**				

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mining permitted upto	Method of mining	Mineral Type (Sand/ RBM)	Remarks
	Grand Total	**2620.93**	**91352357**				

Note: The Government may at any time amend the annexure

ANNEXURE-V

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
DISTRICT HOSHIARPUR				
1	Motla	0.54	25272	SAND
2	Motla	1.25	58500	SAND
3	Kolian	0.48	22464	SAND
4	Halerdadal Pat	3.03	141804	SAND
5	Mehtabpur	4.49	210132	SAND
6	Mehtabpur Sadullapur kalota	23.78	1112904	SAND
7	Sadullapur kalota	9.14	427752	SAND
8	Jahidpur	9.48	443664	SAND
9	Muradpur	3.50	71068	SAND
10	Muradpur Dhanoa	4.46	207390	SAND
11	Dhanoa	0.42	7421	SAND
12	Dhanoa	0.75	28598	SAND
13	Muradpur wadhaya	6.68	310620	SAND
14	Wadhaya	0.98	45570	SAND
15	Chhourian	2.30	58466	SAND
16	Bhikhowal	0.29	13485	SAND
17	Bhikhowal	10.80	458266	SAND
18	Bhikhowal	2.91	100779	SAND
19	Bhikhowal Nandew al	5.35	145220	SAND
20	Nandewal	1.48	68820	SAND
21	Saidowal	3.50	155698	SAND
22	Saidowal	5.14	156950	SAND
23	Daimpur	1.96	91140	SAND
24	Daimpur Bhoja Passi bet	2.78	129270	SAND
25	Daimpur Bhoja Passi bet	10.65	495225	SAND
26	Daimpur Bhoja Passi bet	0.79	36735	SAND
27	Bhoja Passi bet	3.78	175770	SAND
28	Rajpur	12.96	602640	SAND
29	Rajpur Chak Suleman	19.36	610188	SAND
30	Chak Suleman Mewanmiani	12.93	593487	SAND
31	Mewanmiani	13.97	641223	SAND
32	Mewanmiani	2.93	134487	SAND
33	Mewanmiani	49.47	2270673	SAND
34	Kulla	12.93	435689	SAND
35	Kulla	2.54	95098	SAND
36	Kulla	4.96	232128	SAND
37	Kulla	8.23	359486	SAND
38	Kulla	18.15	849420	SAND
39	Kulla	11.10	519480	SAND
40	Fatha	8.19	383292	SAND
41	Fatha	0.73	34164	SAND

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
42	Habib chak	2.73	103063	SAND
43	Habib chak	7.81	365508	SAND
44	Rarra	1.82	85176	SAND
45	Rarra	2.30	107640	SAND
46	Nasrala Choe	28.00	638400.00	SAND
47	Nasrala Choe	11.90	217056.00	SAND
48	Nasrala Choe	4.71	85910.40	SAND
49	Nasrala Choe	8.56	156134.40	SAND
50	Nasrala Choe	3.63	66211.20	SAND
51	Nasrala Choe	14.48	264115.20	SAND
52	Nasrala Choe	5.31	96854.40	SAND
53	Nasrala Choe	0.62	11308.80	SAND
54	Mehalwali Choe	2.50	46200.00	SAND
55	Mehalwali Choe	1.61	29752.80	SAND
56	Mehalwali Choe	14.55	268884.00	SAND
57	Mehalwali Choe	12.21	225640.80	SAND
58	Mehalwali Choe	15.97	295125.60	SAND
59	Mengarwal Choe	11.51	267607.50	SAND
60	Mengarwal Choe	5.11	95046.00	SAND
61	Rajni Devi Choe	4.31	80683.20	SAND
62	Rajni Devi Choe	2.50	46800.00	SAND
63	Naueshra Simbli	0.81	35113.50	RBM
64	Sandhwal	2.63	107304.00	RBM
65	Saidpur	6.07	239916.75	SAND
66	Rara,	6.07	254029.50	SAND
67	Tahli	3.79	158611.50	SAND
68	Rara	18.00	753300.00	SAND
69	Jahidpur	6.42	268677.00	SAND
70	Jahidpur	2.42	101277.00	SAND
	Total	**507.51**	**18431784.19**	
DISTRICT KAPURTHALA				
71	Mand Dhilwan	4.66	39356.5	SAND
72	Kammewal-1	0.96	27129.6	SAND
73	Kammewal-2	2.33	65845.8	SAND
74	Sabk Desal-1	0.91	25716.6	SAND
75	Sabk Desal-2	0.3	8478	SAND
76	Amritpur	1.37	38716.2	SAND
77	Mand Dhunda-1	5.73	161929.8	SAND
78	Mand Dhunda-2	0.88	11190.96	SAND
79	Mand Dhunda-3	0.36	10173.6	SAND
80	Bhaini Bahadur	0.25	7065	SAND
81	Passan Kadim	7.19	203189.4	SAND
82	Bhim Jadid	16.06	453855.6	SAND
83	Mand Gujjarpur	0.59	16673.4	SAND

Mining Sites (in DSR) with No Excavation permission by SEIAA

Sr. No.	Name of Mine	Area (Ha)	Total Reserve (MT)	Mineral Type (Sand/ RBM)
84	Mand Raipur Araiyan	4.07	92014.56	SAND
	Total	**45.66**	**1161335.02**	
	Grand Total	**553**	**19593119**	

Note: The Government may at any time amend the annexure

ANNEXURE-VI

Pubic Mining Sites(PMS) and Excavation method permission by SEIAA

Sr. No.	District	Name of Mine	Area (Ha)	Quantity as per approved Mining Plan (MT)	Method of mining
1	Fazilka	Chak Gariban Sander	2.19	44267	Manual
2	Fazilka	Badha-1	1.818	39263	Manual
3	Fazilka	Badha-2	0.2023	2902	Manual
4	Fazlika	Thara Singh Wala-1	1.24	14010	Manual
5	Fazlika	Thara Singh Wala- 2			Manual
6	Ludhiana	Gorsian Khan Mohhamad	23.1	943326	Manual
7	Ludhiana	Jamalpur Laily and Sujatwal	3.77	68312	Manual
8	Ludhiana	Dhanasu/Bhukhri Khurd	3.81	21767	Manual
9	Ludhiana	Talwandi Kalan	1.8	13338	Manual
10	Ludhiana	Kannian Hussaini	4.87	45900	Manual
11	Ludhiana	Kasabaad-1	11.24	157216	Manual
12	Ludhiana	Kasabaad-2			Manual
13	Ludhiana	Koom Kalan	2.3	9810	Manual
14	SAS Nagar	TANGRI 1	0.43	4525	Manual
15	SAS Nagar	TANGRI 5	0.77	9982	Manual
16	Tarntarn	Jaloke	3.41	48633	Manual
17	Tarntarn	Jaloke -2	1.37	17914	Manual
18	Tarntarn	Sabhra -1	3.08	38889	Manual
19	Tarntarn	Sabhra-2	4.61	61826	
20	Rupnagar	Sultanpur	7.45	58092	Manual
21	Rupnagar	Malana	7.17	68316	Manual
22	Rupnagar	Mallewal	4.74	52554	Manual
23	Rupnagar	Aalowal -1	4.7	28471	Manual
24	Rupnagar	Aalowal - 2			Manual
25	SBS Nagar	Khoja	6.35	91716	Manual
26	SBS Nagar	Burj Tehal Dass	8.71	142314	Manual
27	SBS Nagar	Phool Makouri	10.96	57460	Manual
28	SBS Nagar	Saidpur			Manual
29	SBS Nagar	Auliapur	1.3	17956	Manual
30	Jalandhar	Maun Sahib	12.62	551999	Manual
		Total	**134.01**	**2610758**	

Note: The Government may at any time amend the annexure

ANNEXURE-VII

Commercial Mining Sites (CMS) & quantity as per approved mining plan or EC

Sr. No.	District	Name of Mine	Area (Ha)	Qty as per EC/MP (MT/yr)	Qty for 3 Yrs (MT)	Validity upto	Method of mining
Cluster-I							
1	Ludhiana	Akuwal	20.65	903231	2709693	02.05.24	Semi Mechanized
	Sub Total		**20.65**	**903231**	**2709693**		
Cluster-II							
2	Ludhiana	Boont	24.28	1062007	3186021	03.05.24	Semi Mechanized
	Sub Total		**24.28**	**1062007**	**3186021**		
Cluster-III							
3	Ludhiana	Kutbewal Arian	10.12	442649	1327947	02.05.25	Manual
	Sub Total		**10.12**	**442649**	**1327947**		
Cluster-IV							
4	SBS Nagar	Begowal	1.42	9504	9504	04.05.23	Manual
5	SBS Nagar	Arzi Derya Bramd Rail (1)	4.9	127422	127422	05.11.27	Manual
	Sub Total		**6.32**	**136926**	**136926**		
Cluster-V							
6	Jalandhar	Vehra	13.15	575181	1725543	03.05.25	Manual
	Sub Total		**13.15**	**575181**	**1725543**		
Cluster-VI							
7	Ropar	Majri	4.98	38871	116613	31.03.23	Manual
	Sub Total		**4.98**	**38871**	**116613**		
Cluster-VII							
8	Pathankot	Kharkhara	16.48	566583	1699749	31.03.23	Manual
	Sub Total		**16.48**	**566583**	**1699749**		
Cluster-VIII							
9	Pathankot	Chak Hari Rai	47.2	334000	1002000	31.03.23	Manual
10	Pathankot	Mira Kalan	26.72	530264	1590792	31.03.23	Manual
	Sub Total		**73.92**	**864264**	**2592792**		
Cluster-IX							
11	Pathankot	Bela Mastgarh	9.51	124913	374739	31.03.23	Manual
	Sub Total		**9.51**	**124913**	**374739**		
Grand Total			**179.41**	**4714625**	**13870023**		

Note: The Government may at any time amend the annexure

Annexure- VIII

The Pit Head price of sand and gravel in any Mining Site shall be as under:

Serial Number	Description	Rate per cubic feet (in Rupees) in any CMS	Rate per cubic feet (in Rupees) in any PMS
1	Royalty	0.73	0.73
2	District Mineral Foundation Fund	0.2	0.2
3	Environment Management Fund	0.07	0.07
4	Land Owner compensation	2	2
5	Cost of Excavation & loading and Profit Margin for Concessionaire in any CMS	2.4	N/A
6	Operational Cost of running the PMS site	N/A	2.4
7	IT &Weigh-bridge charges	0.1	0.1
8	Maximum sale price at pit head	5.5	5.5

NOTE:-

1. The amount against entries at Sr. No1- 3 and Rs. 0.08 against entry No.7 shall be deposited with the Government.

2787/3-2023/Pb. Govt. Press, S.A.S. Nagar

Annexure -3

SAMPLE OF UNDERTAKING TO BE DOWNLOADED FROM E-PROCUREMENT WEBSITE AND TO BE UPLOADED BY THE BIDDER.

Department of Mines & Geology, Punjab

Auction No.

UNDERTAKING

Name of the Vendor:		**1**
	Details of the bidder (Individual/ Firm/ Company/society):	
1.1	Name of the Bidder*	
1.2	Name as in designated bank account*	
1.3	Designated bank account number	
1.4	Address of bank	
1.5	IFSC code	
1.6	Type of account	
1.7	Address of the bidder	
1.8	E-mail for future correspondence	
1.9	Mobile no.	

* In Case of Individuals the details as mentioned in 1.1 & 1.2 above should be of one & the same person. In the cases other than individuals (firm/Company etc), the details mentioned in the point 1.2 can be of firm/company etc or any one of the persons as mentioned in the point **(i)** of this undertaking.
The applicant shall be deemed ineligible for the bidding, if the information is not provided in accordance to the above point.

a)	I have not been debarred/ blacklisted as individual or as partner of firm/company from participating in e-auction/e-auction by the Department of Mines and Geology, Punjab. OR Our firm/company or any of the director/partner/associate in table given at serial no. (h) has not been debarred/blacklisted as individual or as partner of firm/company from participating in this e-auction by the Department of Mines and Geology, Punjab.
b)	I/We understand that EMD or any other deposits for all the mining block will be forfeited in case I/We have been debarred/ blacklisted by the Department of Mines and Geology, Punjab.
c)	I/We have submitted the Account details of my/our designated account. I/We agree that I/We will make all the payments (EMD, security, advance installment etc.) through my/our designated account only.
d)	I/We agree that any kind of payment made through an account other than my/our designated account will make me/us ineligible.
e)	I/We agree that during submission of my/our application(s) for different mining clusters, I/We will generate separate challan for each mining cluster and payment for each mining cluster will be done through respective generated challans.
f)	I/We agree that I/We will make the payment of requisite EMD and requisite processing fees (along with service charges) as per the e-auction notification excluding any bank service charges.
g)	I/We confirm that I/We have manually entered the correct UTR no. on the e-auctioning website issued by the bank against the respective challan generated for each mining block I/We have applied.
h)	No FIR/criminal case has ever been registered against me/firm.
i)	Details of the director(s)/partner(s)/Proprietor/ shareholder of the firm/company/society are as below.(If Applicable):

Sr. No.	**Name**	**Designation**	**Address**	**PAN No.**

I/We undertake that I/We will adhere to all the terms and conditions above along with terms and conditions of the e-auction Notification and violation of any of them, by me/us, or any false information or misrepresentation given by me/us will make me/us ineligible for participation in the e-auction process.

Annexure-4					
Sr. No.	**Name (Sh/Smt.)**	**Designation /District**	**Mobile No.**	**Divisional Bank Account No. for depositing 1st Installment & Security Amount**	**IFSC**
1	Chetan Khanna	Executive Engineer /Mining (HQ)	7986579150	NA	NA
2	Inderjeet Singh	Executive Engineer/Mining (HQ)	9781360007	NA	NA
3	Rajat Grover	Executive Engineer/Rupnagar/Shri Anandpur Sahib, Drainage-cum-Mining and Geology Division, WRD, Punjab.	9803170324	Environment Management Fund A/C 919010080623616	IFSC Code UTIB0000649
4	Akash Aggarwal	Sub-Divisional Officer/Nangal, Drainage - Cum-Mining and Geology Sub-Division, WRD Punjab	9356900010	NA	NA
5	Harpreet Singh	Sub-Divisional Officer/Shri Anandpur Sahib, Drainage - Cum-Mining and Geology Sub-Division, WRD Punjab	9915338574	NA	NA

Memorandum of Understanding

Between

Indian Institute of Technology Ropar

(*An institute of national importance set up under the Institutes of Technology Act of Parliament 1961*)

&

Department of Mines and Geology
Government of Punjab

For

Setting up of

CENTRE OF EXCELLENCE IN SOCIO-ENVIRONMENTAL SUSTAINABILITY FOR RIVER SAND MINING

AT

IIT ROPAR

Memorandum of Understanding

Between

Indian Institute of Technology Ropar, Rupnagar, Punjab - 140001

and

Department of Mines and Geology, Government of Punjab.

For

Setting up of

CENTRE OF EXCELLENCEINSOCIO-ENVIRONMENTAL SUSTAINABILITY FOR RIVER SAND MINING AT IIT ROPAR

Project Background

The state of Punjab has several rivers which flow through various districts of the state. Many rivers are perennial, and some have huge flows during the rainy seasons. These rivers serve as sources of sand and gravel in the region and the mining of sand has been going on for decades. Sand and gravel are considered as one of the main resources for the region. During the years, the mining in the area has developed exponentially however, the scientific management of the same is missing. The lack of scientific management has led to several problems such as unplanned mining and environmental degradation.

The solution to the problems lies with the identification and proper management of there sources, planned mining and tracking the approved quota through advanced methods. Therefore, a centre is proposed to be established at the IIT Ropar. The centre will act as a single source for all the spatial and temporal data related to mining in the Punjab state. It will map and monitor the mining areas in the region. The temporal mapping of all the sites is important to keep a check on unplanned activities. Thus, it is proposed to use a remote sensing-based approach for the same. Further, to keep quantitative track of the material mined, the latest/advanced survey techniques will be used.

The centre will also train the current workforce of the government which will slowly take over the work of the centre in the long run. The training is proposed to be conducted during the rainy months when the mining activities are at a minimum. The centre will also develop a mechanism to minimise the environmental and socio-economic impacts of the mining activities. The centre may also serve as the nodal agency for suggestions on the new sites for the mining. The centre will also help the government in other activities related to mining, such as flood hazard mapping cum monitoring, protection of riverbanks etc. which will help in implementing the policies related to mining.

Execution Plan

For carrying out this study, IIT Ropar will form a centre comprising of faculty members from various backgrounds such as geomatics, hydrogeology, geotechnical engineering, environmental engineering and humanities and social sciences. Further, the centre will hire specialized manpower to dedicatedly work on the objectives of the centre so that data and reports can be made available to the Government of Punjab and other regulatory bodies, as and when required. The centre will oversee the study and supervise the process and results to make sure that the project is executed as per best engineering practices and the results can be taken forward for expansion of the concept.

IIT Ropar team will be represented by Centre Coordinator for all technical and financial matters.

Project Plan & Deliverables

The centre initially will be responsible for providing support to the Department of Mines and Geology, Government of Punjab, for a period of 5 years from the date of inception.

These are primary objectives of the centre:

I. Sustainable management and monitoring of riverbeds and outside river using satellite data.

II. Strategies to ensure sustainable River Sand Mining.

III. Drone based technology will be developed and tested for observing remote locations.

IV. Proper identification of the resources available inside and outside the riverbeds of Punjab.

V. Socio-economic impact assessment analysis of mining activities.

VI. Mapping of transitional change in land revenue units in the vicinity of mining sites.

VII. Scientific management of ecology and ecosystem in consultation with the Department of Forest & Wildlife Preservation, Punjab.

VIII. Centre will host frequent training sessions, workshops, and short-term certified courses to prepare the workforce for prompt engagement in the mining sector. Additionally, a distinctive PhD program will be launched at this facility, providing support for individuals conducting research in sustainable river sand mining. Esteemed faculty members from IIT Ropar will oversee and supervise to this specialized research program.

Note: for point VIII, 1st preference will be given to the employees of Department of Mines and Geology or other Punjab government employees nominated by Department of Mines and Geology, but all such trainings/PHD etc. will be recommended for the candidates as per MHRD/ GoI norms.

IX. For 50% of the posts, 1st preference will be given to the employees of Directorate Mines & Geology or other Punjab Government employees nominated by Department of Mines and Geology if they fulfil the eligibility for the centre posts.

X. All data will be hosted in a cloud server, access of which will be with the centre coordinators, their representatives & representative nominated by Department of Mines and Geology.

XI. Periodic communication of the observations of sand mining to the government by the newly recruited dedicated team for the centre.

*Initial submission might take up to 6 months for setting up the centre. Detailed description of these objectives is mentioned in the proposal attached as ANNEXURE-I.

Deliverables

1. Periodic data on the quantification of sand/gravel mined from the different approved sites (river and outside, once in pre-mining, post-mining/pre-monsoon, post monsoon and possibly every month during mining).
2. The survey and other data generated during the project tenure shall be shared through sophisticated online portal/platforms (interactive dashboards) to the stakeholders (mainly the Mining Department).
3. The centre will suggest new mining sites based on the data collected and help prepare the DSR, mining plan and EC.
4. Maps of the rivers and flagging of any new mining sites observed from the periodic assessment of the satellite images.
5. All the cadastral maps will be digitized within one year from the start of the centre. The mining sites will be geo-tagged during the survey.
6. Identification and quantization of new sites for mining.
7. A consortium comprising experts from different institutions (mainly IITs) will be formed and the same will provide feasibility report and mitigation plan as required by McEF&CC for mining at Beas and border area.

8. Sand mining-induced flood inundation maps and mitigation measures for mining sites in Punjab region corresponding to future climate change scenarios.
9. Understanding the use of mining specially at the high-risk flooding locations.
10. Stability values of riverbanks and the suggestions to improve their stability.
11. The centre will provide the technical assistance to the Department of Mines and Geology, Punjab Government during their survey and identifying unauthorized mining sites through automated system.
12. The presence and the number of rare metals and other elements present in all rivers at various locations in Punjab will be provided for the possible extraction of the same, which are useful for the government as well as industries that use these resources. Furthermore, the identification of components in the riverbed will bring value addition to the mined materials, which will be helpful in future policy-making processes.
13. This centre will arrange consistent training, workshops, and short-term certified courses to prepare the workforce for swift and effective engagement in the mining sector. Additionally, a specialized PhD program will be implemented here to support individuals conducting research in sustainable river sand mining, guided by esteemed faculty members from IIT Ropar.
14. Carrying out the socio-economic ethical and environmental impact assessment of various mining activities in the region.

11. Delivery of reports and feedback related to mining as and when required.

12. All data will be hosted in a cloud server, access of which will be with the centre coordinators, their representatives & representative nominated by Department of Mines and Geology.

Centre Structure

The structure of the centre is represented in the flow chart.

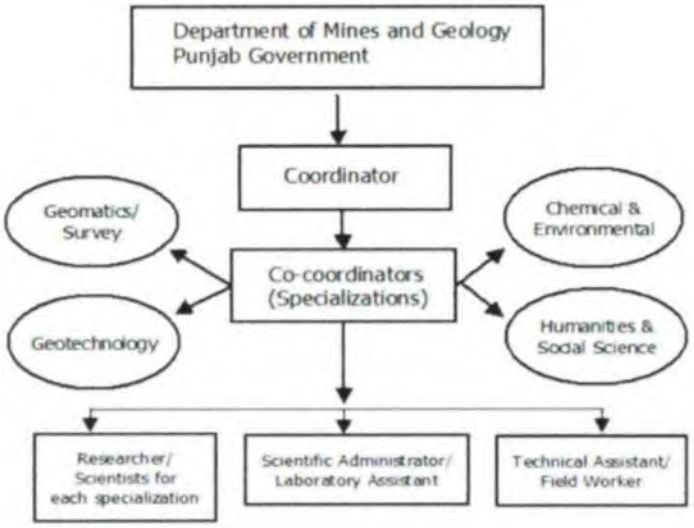


Figure: Flow chart of the organizational structure of the centre

Sr. No.	Post	Person	
1	Coordinator	Faculty from Department of Civil Engineering, IIT Ropar	
2	Co-coordinators (IIT Ropar)	Geomatics Engineering	Faculty from IIT Ropar
		Geotechnical Engineering	
		Humanities and Social Science	
		Chemical and Environmental Engineering	
3	Staff	Research Scientists	

		Scientific Administrator
		Laboratory Assistant
		Technical Assistant
		Field Worker

Security

Punjab government will provide dedicated security personnel to the field team during the survey works and as per the requirements put forth by the Centre Coordinator. The cost for the same will be borne by the Government of Punjab. However, Punjab Government will not be responsible for any loss of life and property during the execution of the project.

Availability of Data

Some of the objectives require additional data from different departments of Government of Punjab. These data will be made available to the centre upon the written request from the Centre Coordinator. The data collected by the centre will be the property of Government of Punjab it will not be provided to any other party without the written permission of the government of Punjab or the concerned department of the Government of Punjab.

Financials

The total budget required is **Rs 10.881 crores** (inclusive of institute charges). The said budget will be release to IIT Ropar, year-wise as showing in the table below (Yearly budget).

Overall Budget

OVERALL BUDGET	Amount (INR)
STAFF	39676800
Honorarium for coordinators	12000000
Instruments	28000000
Infrastructure – Rental Charges	8500000
Consumables	2500000
INSTITUTE CHARGES (20%)	18135360
TOTAL OVERALL BUDGET	**108812160**

Yearly Budget

Item	Ist Year	IInd Year	IIIrd Year	IVth Year	Vth Year
STAFFS**	7935360	7935360	7935360	7935360	7935360
Honorarium for coordinators	2400000	2400000	2400000	2400000	2400000
Instruments#	28000000	NIL	NIL	NIL	NIL
Infrastructure- (rental charges)##	1700000	1700000	1700000	1700000	1700000
Consumables	1500000	250000	250000	250000	250000
INSTITUTE CHARGES (20%) *	3627072	3627072	3627072	3627072	3627072
TOTAL YEARWISE BUDGET	**45162432**	**15912432**	**15912432**	**15912432**	**15912432**

*** The proposed manpower/staffs shall be recruited considering the survey of sites up to 200. In case the number of sites exceeds 200, additional manpower requirement shall be raised to the Mining Department and subsequent budget for the same shall be allocated to the center. Here it is to be noted that only the project staff number will be increased not the coordinators or the co-coordinators will be increased.*

**INSTITUTE CHARGES are the cost taken by IIT Ropar to allow it employees to work on external projects. Page two of consultancy agreement of IIT Ropar shows this provision (Available at https://www.iitrpr.ac.in/RnD/assets/forms/new-ConsultancyAssignmentProposalandAgreementForm.pdf.)*

The rental space is calculated based on the actual requirement as the centre will need the space for the sitting of the project staffs, meeting place, space for the equipment, storage for the samples collected from the field and common working space for the testing of samples. The calculation is as per the requirements we usually use for our lab space. Further the rent is calculated based on the institute norms which includes other facilities such as 24hours high speed internet connection, electricity and water supply etc. this also include the internal security.

#IIT Ropar will inspect the equipment and software available with various Departments of Punjab Government and if they suffice the purpose of this center, we agree to utilize that equipment, and budget will be reduced accordingly. This exercise will be done within 15 days of the approval of the center, so that the work does not get affected.

Payment Terms

During the signing of the MoU a signing amount of INR 1 cr will be given to IIT Ropar. After that INR 3 cr will be released within one month of the date of the signing of the MoU. Remaining amount for the year 1 budget will be released once the centre submits its 1st Report. From the year 2 the budget will be released at the start of that particular year for the smooth functioning of the centre.

Budget BreakupSTAFF				
Position	**Nos.**	**Monthly**	**Yearly**	**5 Years**
Project Manager	1	125000	1500000	7500000
RA-II	4	66490	3191520	15957600
Project Associate/ Project Scientist I	4	45780	2197440	10987200
Laboratory Assistant/Technician/Project	4	21800	1046400	5232000
Total			**7935360**	**39676800**

HONORARIUM FOR FACULTY				
Monthly Honorarium for faculty above	**Nos.**	**Monthly**	**Yearly**	**5 Years**
Coordinator	1	50000	600000	3000000
Co-Coordinators	6	25000	1800000	9000000
Total			**2400000**	**12000000**

INSTRUMENTS			
Instrument	**Nos.**	**Price**	**Total**
Electronic and digital assets##	NA	7000000	7000000
UAV/Drone	**2**	4000000	8000000
Bathymetry attachment	1	2500000	2500000
LIDAR attachment	1	2500000	2500000
Softwares (Commercial)	NA	5000000	5000000
Field Vehicle (to carry heavy survey equipments) *Mining department will provide the required vehicles or	0*	0*	0*
Equipment maintenance	NA	1000000	1000000
Automated Triaxial Testing Set-up	1	1000000	1000000
Field Visits and Data Collection	NA	1000000	1000000
Total			**28000000**

INFRASTRUCTURE	
Infrastructure	**Amount**
Rental charges for the space for Mining Center with furniture (as per IIT Bapar norms)	**8500000**

CONSUMABLES	
Consumables	**Amount**
Consumables required	2500000

Electronic and digital assets: The Digital asset includes PC for canter's staffs, data server for data processing and hosting the outcome of project in form of web portal. This also includes field pc to operate UAV and Bathymetry boat for under water survey.

The timeline for giving the processed data is only two weeks and for the same the center will need very high-end data (GPU based) server. Further to store this data which becomes in TBs

for one single survey we will need data server. The cost of these two servers is very high justifying the cost of the digital assets.

Tentative Expenditure

Note: Funds within the recurring and non-recurring heads (Manpower, Travel, Consumables, Honorarium, institute charges, software, etc) can be changed by Centre Coordinator as per the project requirements.

***Budget Justifications:**

Honorarium for coordinator and co-coordinators: 50,000/- (Coordinator) & 25,000/- (Co-coordinators) Monthly above his/her regular salary, to be released upon the recommendation of the centre coordinator. The honorariums will be released only for the duration for which coordinator/co-coordinators are associated with the centre work.

Manager: He/she will work under the coordinator and coordinate all the field work and prepare the final document for the approval of the coordinator. He will also organize and coordinate all the other activities of the centre.

RA-II/ Senior Project Associate/ Project Scientist I: The centre will have a few Research Associates who will supervise the fieldwork and help in organizing the training activities. They will be responsible for data processing and initial results generation.

Field Assistant: We will have field assistants or JRF who will conduct all the fieldwork under the supervision of the RAs. They will be primarily responsible for all the fieldwork. One Field surveyor will be responsible for the survey of 3-4 mining sites.

Scientific Administrative: The centre will have one office assistant and two office helpers. They will be assisting in all the activities of the centre.

Consumables: This will be used for the maintenance of the equipment, other testing required, and other consumables required for the functioning of the centre and training activities.

Note: The number and designation of manpower will be increased or decreased or changed as per the requirements of the centre and as decided by the PIs. The final salary will be fixed as per the qualification of the manpower available however the total budget will be fixed within the asked budget. In exceptional workload additional budget may be asked for the same. If the center is approved and budget is released by December 2024, the activities including manpower recruitment, procuring equipment will be completed before the post monsoon 2025.To complete the post monsoon survey the center will not take more than 2 weeks so as the further approvals of next year mining is not delayed.

**Salary for the scientists/staff will be provided as per the Department of Science and Technology (DST)/ IIT Ropar norms.*

All procurements will follow the General Financial Rule (GFR) of Government of India/IIT Ropar R&D purchase rules.

Equipment: We will have dedicated equipment in the centre for carrying out the defined objectives. In addition to field DGPS and/or UAV will also be purchased for field surveyors. Laser Scanner will also be purchased which will help in the validation of the survey from time to time. Bathymetry boat will also be purchased which will help in surveying the underwater areas as much mining is also done under the water to hide it from the authorities. A commercial licence for data processing software will also be purchased. Other equipment includes workstations, data servers etc. All the equipment will be retained by IIT Ropar at the end of the project duration. However, they will be provided to the Mining Department

with access to the equipment if it is required by them for some work even after the end of the centre lifetime as per the rules of IIT Ropar.

Note: In addition to the mentioned equipment, other equipment if required may be procured with the consent of coordinator.

(Prof. Rajeev Ahuja)
Director,
Indian Institute of Technology Ropar
Rupnagar – 140001, Punjab

Date: 04.03.2025

(For Government of Punjab)
DR HARINDER PAL SINGH BEDI
CHIEF ENGINEERS MINES AND GEOLOGY (Authorised Signatory)
DEPARTMENT OF WATER RESOURCE, GOVT OF PUNJAB
CHANDIGARH

Date: 04.03.2025

In presence of

Witness 1
Assoc. Dean (CEOA)

Witness 2
Dr. Naveen James

Report on River Sand Replenishment for the Rivers of Punjab

Report Prepared

By

Dr. Reet Kamal Tiwari

For

Mines and Geology Department

Government of Punjab

Year 2024

Indian Institute of Technology

Chapter 1

Introduction

1.1. Introduction:

India's construction and urbanization landscape is undergoing a profound transformation, fueled by the surging demand for construction materials. Among these, river sand stands as a critical resource, underpinning the infrastructure that drives development. Yet, the rampant extraction of river sand has created a pressing dilemma—balancing the demands of progress with the imperative to protect fragile river ecosystems.

This chapter introduces an in-depth study focused on unraveling the complexities of river sand replenishment, particularly within the context of extensive sand mining activities in Punjab. Guided by the "Enforcement & Monitoring Guidelines for Sand Mining," issued by the Ministry of Environment, Forest, and Climate Change, this research integrates regulatory insights, cutting-edge scientific methodologies, and a strong commitment to environmental stewardship to illuminate the intricate interplay of sand mining and ecosystem sustainability.

The study's methodology is rooted in meticulous fieldwork conducted during two crucial periods—pre-monsoon and post-monsoon—providing a comprehensive understanding of sand replenishment dynamics. Data collection utilized diverse methods, including sand sample analysis for bulk density, GNSS surveys, and UAV assessments to monitor sand deposition during monsoonal floods. Despite unforeseen challenges, such as high-water levels hindering UAV surveys at certain mining points in 2023-24, GNSS surveys were successfully completed across all sites, ensuring valuable data was obtained.

Adapting to these challenges, the research embraces the integration of satellite data, enhancing the precision and robustness of findings on replenishment rates. This innovative approach not only showcases the resilience of the study but also

sets a benchmark for blending traditional field techniques with advanced remote sensing technologies.

The significance of this research transcends its immediate findings, offering profound implications for future studies, policy development, and sustainable sand mining practices. By addressing both immediate and long-term concerns, this study aims to contribute to a paradigm shift in how river sand resources are managed. As its narrative unfolds, it underscores the urgency of informed, sustainable practices in river sand extraction—making a compelling case for balancing development with ecological integrity.

1.2. Need of Study:

The critical importance of the river sand replenishment study lies in its alignment with the directives and guidelines established by India's leading regulatory bodies. Citations from the Central Water Commission (CWC), the National Green Tribunal (NGT), and the Ministry of Environment, Forest, and Climate Change (MoEFCC) emphasize the urgent need to address the environmental repercussions of river sand mining. Foundational documents, such as the comprehensive "Enforcement & Monitoring Guidelines for Sand Mining" issued by the MoEFCC, not only provide a framework for this study but also underscore the necessity of sustainable practices in extracting this vital yet finite resource.

Referring to river sand as a "finite" resource highlights the delicate balance required for its management. While sand is naturally replenished during each monsoon, improper or excessive mining disrupts this balance, leading to severe environmental consequences. In Punjab, the issue is compounded by the extraction of large boulders from riverbeds to meet the demand for construction materials. The study reveals that, unlike sand, the natural replenishment of large boulders is highly limited. This finding calls for further research to assess the replenishment rates of stones in Punjab's rivers.

The current fieldwork primarily focused on evaluating sand replenishment rates in the Sutlej and Beas rivers. Based on insights gained, the report also provides a set of enhanced guidelines to ensure that future studies are conducted more methodically and effectively. These recommendations aim to refine research approaches, enabling a deeper understanding of the replenishment dynamics of both

sand and boulders, thereby promoting more sustainable resource management practices.

1.3. Short Methodology:

This section delves beyond a mere description of methodologies, offering a comprehensive exploration of the advanced and meticulously designed approach utilized in the river sand replenishment study. The study integrates state-of-the-art remote sensing technologies, precise field surveys, and empirically derived equations to ensure robust and scientifically validated results.

Remote Sensing and Sand Sample Analysis

Remote sensing technologies, with their ability to provide synoptic and time-series observations, were instrumental in identifying areas experiencing significant sand replenishment and deposition. Bulk density analyses of collected sand samples further enriched the understanding of the sand's physical properties.

Survey Techniques and Validation

To quantify aggradation with high precision, UAV and GNSS surveys were conducted during both pre- and post-monsoon periods. While existing guidelines recommend a 10 m spacing for profiles to study volume changes, a more rigorous approach was adopted for enhanced accuracy.

The methodology comprised two key components:

GNSS-Based Profile Mapping: GNSS surveys were conducted across all sandbars mapped in the previous year's post-monsoon data.

UAV Data Integration: Post-monsoon data from UAV surveys were collected at sites where pre-monsoon data were already available, focusing on the mining sites of 2023-24.

Digital Elevation Model (DEM) Generation and Analysis

The collected GNSS and UAV data were processed to generate high-resolution Digital Elevation Models (DEMs) with a pixel size of 1 m, ensuring finer detail in volume estimations. The accuracy of these DEMs, validated against GNSS control points,

ranged between 2-3 cm. Volume changes were calculated by subtracting the post-monsoon DEM from the pre-monsoon DEM, providing precise measurements of aggradation or erosion.

Enhanced Accuracy through Advanced Profiling

The figure 1.1 below illustrates the critical advantage of this method. Larger gaps between profiles risk missing significant features such as humps or depressions, introducing ambiguity in volume calculations. This discrepancy is evident in the comparative results of GNSS and UAV surveys, where the average depth difference was approximately 0.5 m. By using a high-resolution approach, such ambiguities were effectively minimized.

Survey Benchmarking and UAV Calibration

GNSS surveys utilized CORS data from the Survey of India (SOI), while temporary benchmarks were established during UAV flights using chequerboards (Figure 2). These measures ensured the precision and consistency of survey data.

Further details of the methodologies and data analyses are elaborated in the subsequent chapters, offering a rigorous and reproducible framework for future studies on sand replenishment dynamics.

1.4. Bulk density and Depth of Sand:

The depth of the sand varied from site to site however we have observed that more sand has been deposited at the mining sites not at the sites where no mining was done. The sites where no mining was one saw slight deposits to erosion at places. The Bulk density at different places is found to be in the range of 1.45 to 1.65 kg/l at the surface but at 2 places we have taken the samples by digging .5 m which showed a higher density. Thus, our recommendation is to take an undisturbed sample core and measure the bulk density at different depth. For the calculation the average bulk density of 1.55 kg/l can be taken as per our observation.

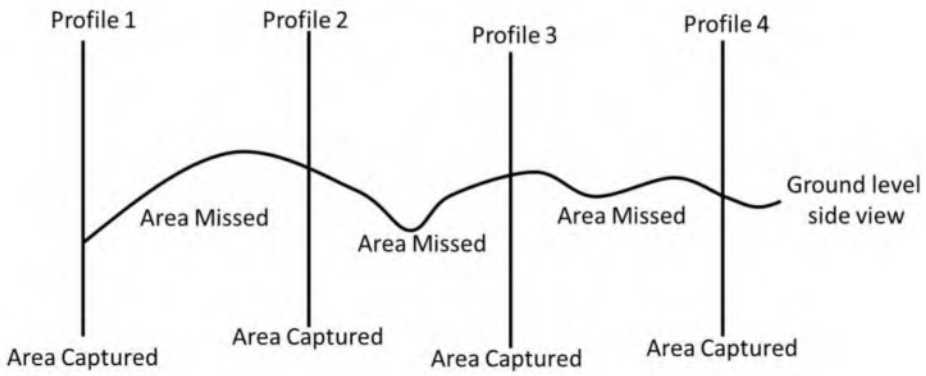


Figure 1.1: Synoptic diagram showing the need of smaller DEM resolution in place of evenly spaced ground profiles for volume calculation.



Figure 1.2: Representative ground control points.

1.5. Importance of the Study:

The significance of this study extends far beyond theoretical discourse; it serves as a clarion call to action, resonating across the realms of policy-making, regulation, and sustainable sand mining practices. With the demand for sand rising inexorably, achieving a balance between developmental aspirations and environmental preservation has become not only a pragmatic challenge but a moral obligation. This report aims to shed light on the often-overlooked ecological complexities of river sand replenishment, offering nuanced insights to guide decision-makers toward a sustainable and balanced approach to resource management.

Time is a critical dimension of this study, reflecting the dynamic and constantly shifting nature of river ecosystems amid escalating pressures from the construction industry. The study emphasizes the need for immediate and proactive measures—not merely as a reaction to existing challenges but as a forward-looking strategy. It advocates for the

implementation of a continuous monitoring and assessment framework, one that evolves alongside the shifting landscape of river sand mining.

This section underscores the importance of timing and adaptability, emphasizing the need for ongoing vigilance and real-time interventions to mitigate potential ecological damage. By fostering a dynamic approach, the study seeks to ensure that developmental priorities are met without compromising the health and resilience of river ecosystems.

Chapter 2

Satellite Data Based Change Assessment

2.1. Introduction:

In the dynamic field of environmental monitoring and resource management, satellite data has become indispensable for addressing various challenges. One significant application is the mapping of river sand dynamics, crucial for sustainable land use planning and disaster management. This study focuses on the pre-monsoon and post-monsoon periods of 2024, utilizing Sentinel (optical) satellite data with a spatial resolution of 10 meters. Since IIT Ropar conducted the post monsoon surveys for the year 2023 that is taken as base i.e. pre monsoon conditions for the year 2024. The post monsoon data was downloaded for the year 2024 and the area change were analyzed.

The utilization of satellite data for river sand mapping provides a unique perspective, offering a comprehensive understanding of riverine environments' dynamic nature. Sentinel satellites, equipped with advanced optical sensors, provide high-resolution imagery, enabling accurate analyses of land cover changes, especially in riverbeds.

Before diving into the analysis, data preprocessing is essential to ensure result accuracy and reliability. Two critical processes are mosaicing and clipping. Mosaicing involves combining multiple satellite images to create a seamless representation of the study area, enhancing spatial coverage. Clipping, on the other hand, extracts specific portions of imagery relevant to riverbeds and surrounding areas, optimizing computational resources for a targeted assessment of sand dynamics.

Implementing these preprocessing steps on Sentinel data produces datasets well-suited for detailed analyses of river sand dynamics during the critical pre-monsoon and post-monsoon periods in 2024. This approach enhances our understanding of environmental changes, aiding informed decision-making for sustainable land management and disaster preparedness. In this study we only covered the riverbed and

mapped all the sand bars. We excluded the banks (which were present in the previous approved DSR) as the mining guidelines suggest that the bank should not be mined as it may alter the course of the river.

Beyond preprocessing, the core of river sand mapping involves meticulous change detection. By comparing pre-monsoon and post-monsoon Sentinel data, we discern alterations in the riverbed landscape, revealing significant changes such as sediment deposition, erosion, and shifts in water body courses. The chapter also presents change detection in areas covered in the previous DSR; mapping areas left out from the previous DRS sites. A comparison of UAV survey areas with post-monsoon satellite data confirms the accuracy of vector data from the satellite output.

2.2. Results:

The total area covered in the pre-monsoon time was found to be 5312.24 (Ha) covering a total of 564 sites in the river Sutlej and Beas. Since in the year 2024 the monsoon was not very strong the changes were not significant. In the post-monsoon data, the number of sites increased due to fragmentation and erosion also the area slightly decreased to 5000 (Ha). Showing a low deposition rates or replenishment rates during the year 2024 monsoon. Here it should be noted that the total area of the DSR sites were 5094.55 (Ha) but these sites also included the banks of river and the agricultural fields which are not the part of the post-monsoon data. Thus, signifying the amount of replenishment received during monsoon of 2024. The details of sites are present in annexation 1. The UAV survey areas (post-monsoon) were overlayed over the post-monsoon data, and it was found that the area matches completely signifying the accuracy of the satellite-based assessment.

Table 2.1: Comparison of total area (in Ha) in different scenarios.

Area May 2023	Area Dec 2023	Area Nov 2024	Area DSR	Area (Ha) DSR Sites remaining post-monsoon 2024
2093.59	5312.24	5000	5094.55	1114.34

Table 2.2: Comparison of total available sand volume & weight in different scenarios.

Volume (m^3) May 2023	Volume (m^3) December 2023	Volume (m^3) Nov 2024	Volume (m^3) DSR	Volume (m^3) DSR Sites remaining post-monsoon 2024
41871829	106244774	100,000,000	101891099	22,286,800
Weight May 2023	Weight December 2023	Weight Nov 2024	Weight DSR	Weight DSR Sites remaining post-monsoon 2023
62807744	159367161	155,000,000	152836649	34,544,540
	Note: Volume is calculated based on 2 m depth and weight is in tones by taking average 1.55 kg/l as bulk density.			

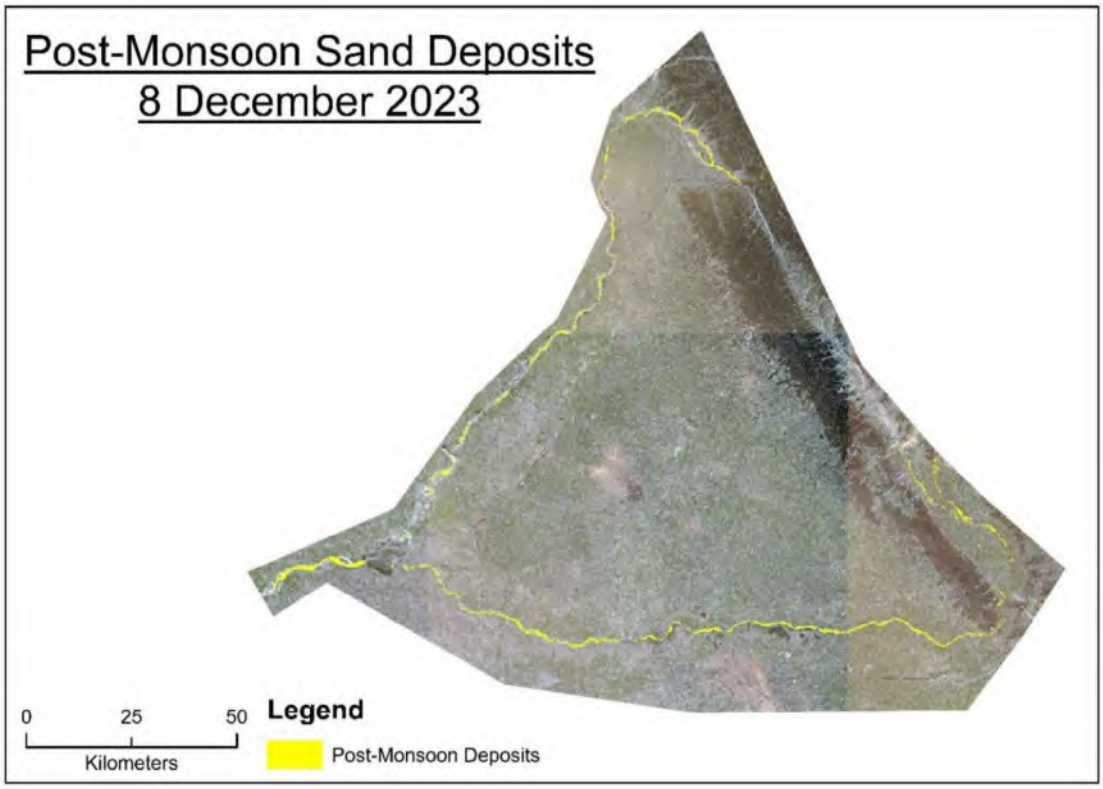


Figure 2.1: Post-monsoon area of year 2023 (act as per monsoon 2024).

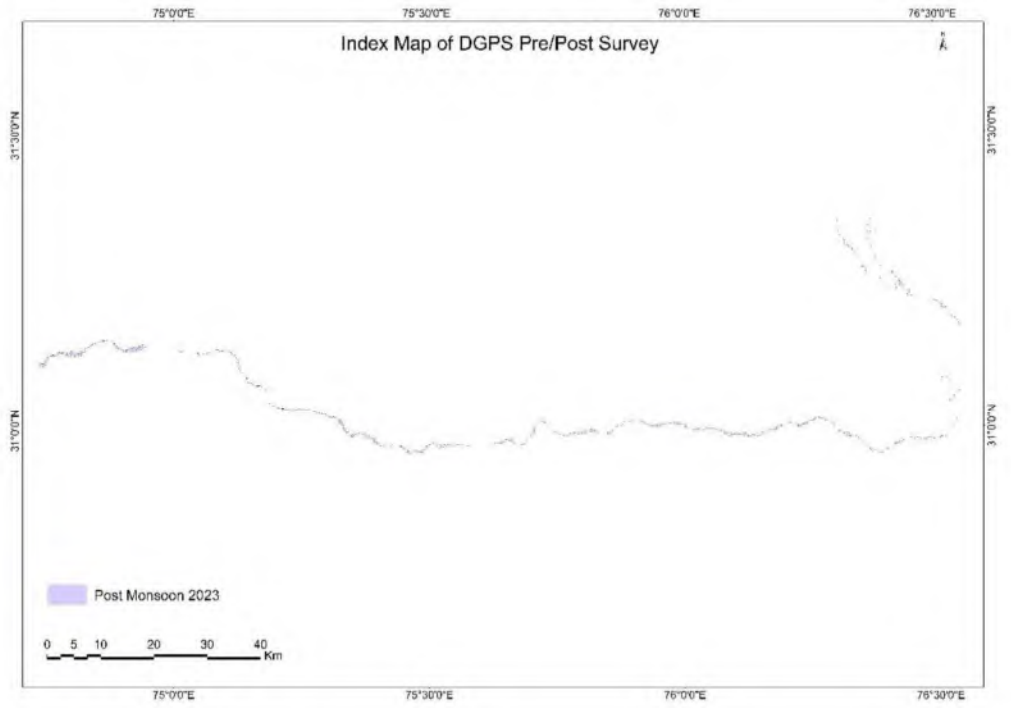


Figure 2.2: Post-monsoon area of year 2024 (for the Sutlej).

Chapter 3

Findings, Problems and suggestions

Scientific Insights on River Sand Replenishment Rate and Methodological Recommendations

The study on river sand replenishment provides critical insights into geomorphological patterns, mining impacts, and survey methodologies. Below are the key findings and recommendations:

Key Findings

- **Replenishment Dynamics**:
  - **Sites with prior mining (pre-monsoon)**: Sand replenishment ranged between **1 to 1.5 m**, with some areas showing even higher accumulation.
  - **Sites without prior mining**: Replenishment rates varied from **+0.5 m to -0.5 m**, indicating either minimal deposition or erosion.
  - **Implication**: These findings confirm that sand replenishment is significantly influenced by mining activities. In the absence of mining, rivers may experience either erosion or extremely low replenishment rates.
- **Water Challenges**:
  - Persistent water presence over mining sites and sandbars during the survey posed challenges for precise data collection.
- **Survey Method Comparison**:
  - UAV surveys provided more accurate deposition data compared to GNSS surveys.
  - **Discrepancies**: GNSS surveys often missed small-scale features like humps and depressions due to the greater spacing between data points.
  - **Conclusion**: UAV surveys are more effective for capturing nuanced elevation data, making them the preferred method for sand replenishment studies.

- **Depth Estimation Challenges**:
    - Current surveys do not account for the **exact depth of sand available for extraction**.
    - Mining guidelines necessitate determining the lowest riverbed level for depth estimation.

Recommendations

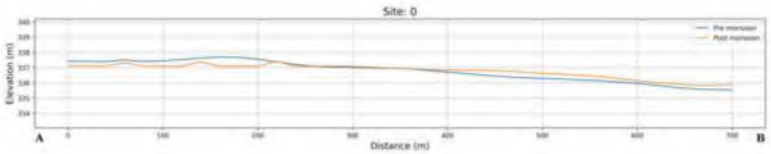
- **Incorporation of Bathymetric Surveys**:
    - To address areas covered by water during surveys, bathymetric methods should be adopted. These techniques will enhance the accuracy of data collection for submerged regions.
- **Core Drilling for Depth Estimation**:
    - Conduct core drilling at mining sites to ascertain the exact depth of sand layers. This approach aligns with mining guidelines and ensures precise determination of extractable sand.
- **Adoption of Advanced UAV Surveys**:
    - Given their ability to capture detailed surface features, UAV surveys should be the standard for future studies. GNSS surveys, while useful, may serve as complementary tools for cross-validation.

This study underscores the critical interplay between mining activities and natural replenishment rates, providing a robust scientific basis for informed decision-making in sustainable sand mining practices.

Annexture 1

Site: 0

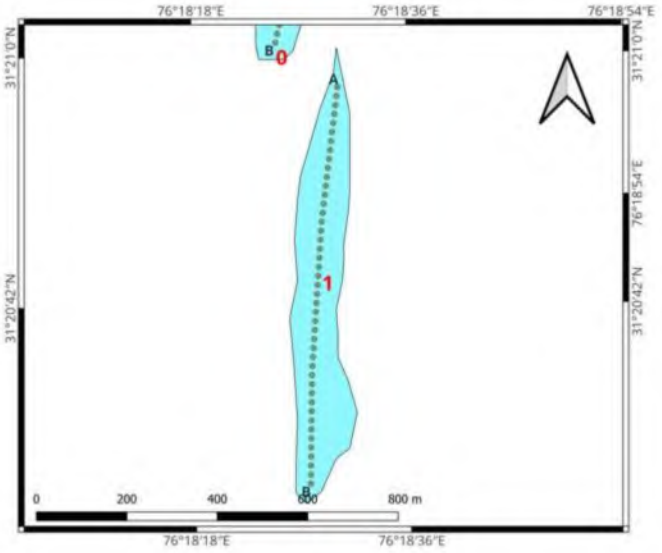


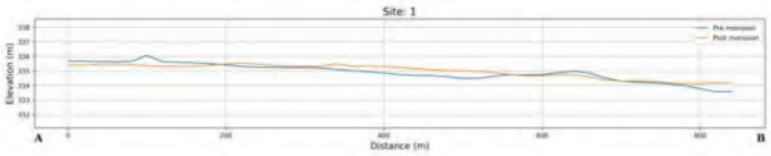


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	337.419	337.123	-0.296
2	20	337.411	337.119	-0.292
3	40	337.401	337.114	-0.286
4	60	337.501	337.308	0.083
5	80	337.405	337.105	-0.300
6	100	337.443	337.100	-0.342
7	120	337.521	337.098	-0.423
8	140	337.623	337.380	-0.528
9	160	337.691	337.092	-0.599
10	180	337.672	337.090	-0.583
11	200	337.559	337.088	-0.472
12	220	337.379	337.407	-0.292
13	240	337.206	337.087	-0.118
14	260	337.089	337.092	0.002
15	280	337.035	337.092	0.058
16	300	337.009	337.073	0.065
17	320	336.982	337.027	0.045
18	340	336.959	336.966	0.008
19	360	336.910	336.911	0
20	380	336.815	336.870	0.055
21	400	336.705	336.845	0.140
22	420	336.603	336.836	0.232
23	440	336.503	336.822	0.319
24	460	336.406	336.776	0.370

25	480	336.337	336.701	0.364
26	500	336.293	336.625	0.332
27	520	336.252	336.563	0.312
28	540	336.199	336.499	0.299
29	560	336.132	336.405	0.273
30	580	336.057	336.278	0.222
31	600	335.964	336.141	0.177
32	620	335.839	336.023	0.184
33	640	335.702	335.921	0.219
34	660	335.598	335.848	0.250
35	680	335.555	335.852	0.297
36	700	335.542	335.898	0.356
37	720	335.507	335.870	0.362
38	740	335.467	335.771	0.304
		Avg Deposited		0.240
		Avg Eroded		-0.377

Site: 1

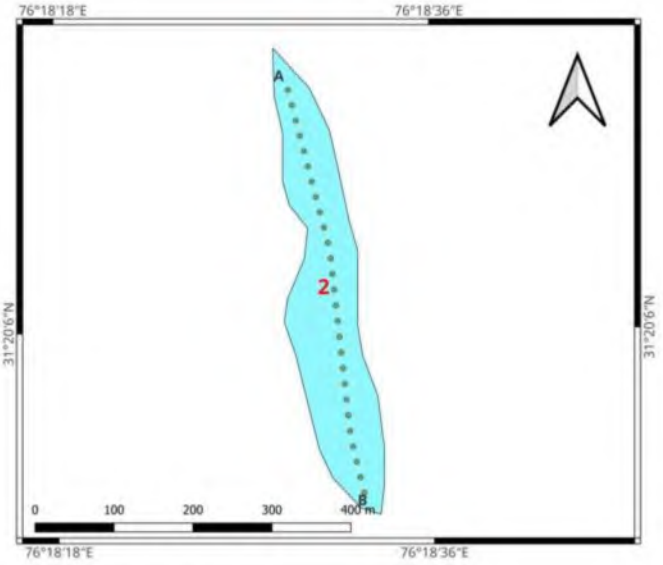


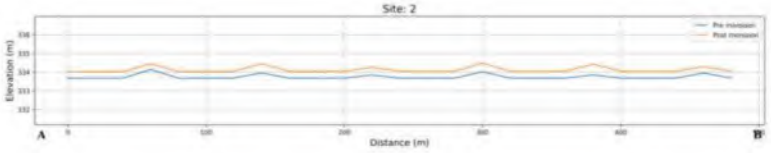


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	335.680	335.384	-0.296
2	20	335.663	335.410	-0.253
3	40	335.646	335.460	-0.186
4	60	335.643	335.470	-0.173
5	80	335.646	335.415	-0.231
6	100	336.071	335.358	-0.288
7	120	335.633	335.322	-0.311
8	140	335.599	335.303	-0.296
9	160	335.554	335.321	-0.233
10	180	335.500	335.384	-0.116
11	200	335.411	335.473	0.063
12	220	335.309	335.523	0.214
13	240	335.259	335.466	0.207
14	260	335.233	335.365	0.131
15	280	335.230	335.322	0.092
16	300	335.233	335.317	0.084
17	320	335.192	335.308	0.116
18	340	335.107	335.491	0.194
19	360	335.019	335.309	0.290
20	380	334.949	335.323	0.375
21	400	334.858	335.309	0.452
22	420	334.743	335.251	0.508
23	440	334.686	335.160	0.474
24	460	334.680	335.074	0.394

25	480	334.605	335.024	0.419
26	500	334.487	335.002	0.515
27	520	334.503	334.962	0.458
28	540	334.638	334.868	0.230
29	560	334.737	334.748	0.011
30	580	334.733	334.669	-0.064
31	600	334.742	334.673	-0.069
32	620	334.875	334.753	-0.123
33	640	334.982	334.750	-0.232
34	660	334.847	334.593	-0.254
35	680	334.526	334.389	-0.137
36	700	334.284	334.292	0.009
37	720	334.221	334.312	0.091
38	740	334.173	334.285	0.113
39	760	334.101	334.186	0.084
40	780	333.992	334.111	0.120
41	800	333.769	334.127	0.358
42	820	333.576	334.172	0.596
43	840	333.586	334.154	0.568
44	860	333.694	334.083	0.389
45	880	333.761	334.023	0.262
		Avg Deposited		0.269
		Avg Eroded		-0.203

Site: 2

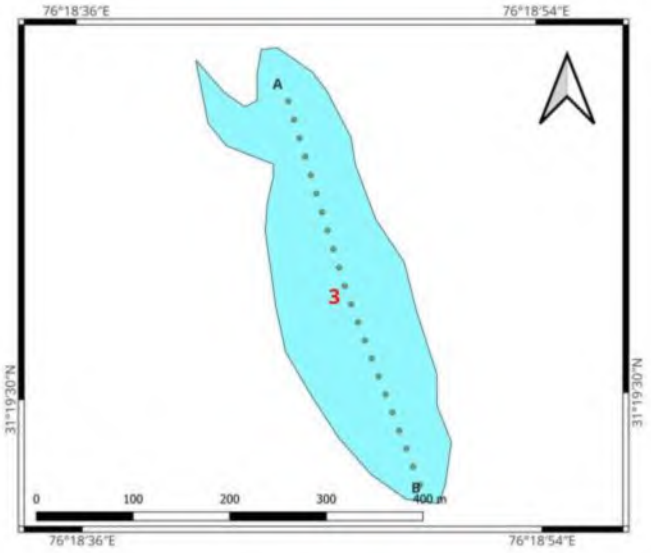


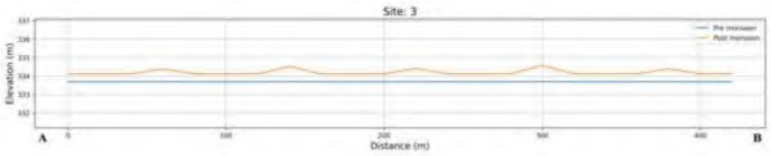


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.679	334.023	0.343
2	20	333.680	334.024	0.344
3	40	333.680	334.027	0.347
4	60	334.139	334.438	0.534
5	80	333.680	334.032	0.352
6	100	333.680	334.035	0.354
7	120	333.680	334.037	0.357
8	140	333.954	334.455	0.576
9	160	333.681	334.041	0.360
10	180	333.681	334.043	0.362
11	200	333.681	334.044	0.364
12	220	333.839	334.252	0.493
13	240	333.681	334.045	0.364
14	260	333.681	334.046	0.365
15	280	333.681	334.046	0.365
16	300	334.016	334.481	0.715
17	320	333.681	334.045	0.365
18	340	333.681	334.046	0.365
19	360	333.681	334.046	0.365
20	380	333.847	334.417	0.859
21	400	333.681	334.046	0.365
22	420	333.681	334.047	0.366
23	440	333.681	334.047	0.366

24	460	333.952	334.287	0.845
25	480	333.681	334.048	0.367
26	500	333.681	334.049	0.368
27	520	333.681	334.050	0.369
		Avg Deposited		0.429
		Avg Eroded		NA

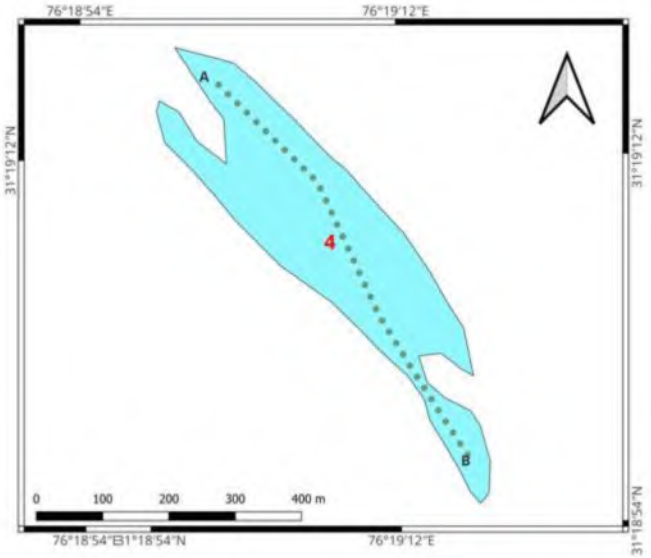
Site: 3

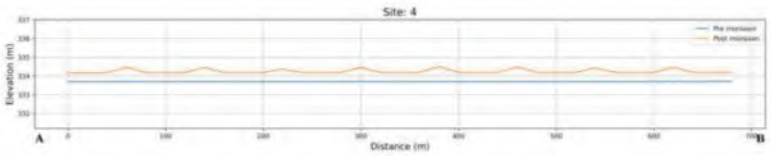




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.689	334.118	0.429
2	20	333.689	334.118	0.429
3	40	333.689	334.118	0.429
4	60	333.689	334.385	0.594
5	80	333.689	334.117	0.428
6	100	333.689	334.117	0.428
7	120	333.689	334.118	0.428
8	140	333.689	334.523	0.878
9	160	333.689	334.119	0.429
10	180	333.689	334.119	0.429
11	200	333.689	334.118	0.429
12	220	333.689	334.411	0.633
13	240	333.689	334.119	0.430
14	260	333.689	334.120	0.430
15	280	333.689	334.120	0.431
16	300	333.689	334.591	0.738
17	320	333.690	334.121	0.432
18	340	333.690	334.122	0.432
19	360	333.690	334.122	0.432
20	380	333.690	334.399	0.692
21	400	333.690	334.123	0.433
22	420	333.690	334.123	0.434
		Avg Deposited		0.430
		Avg Eroded		NA

Site: 4

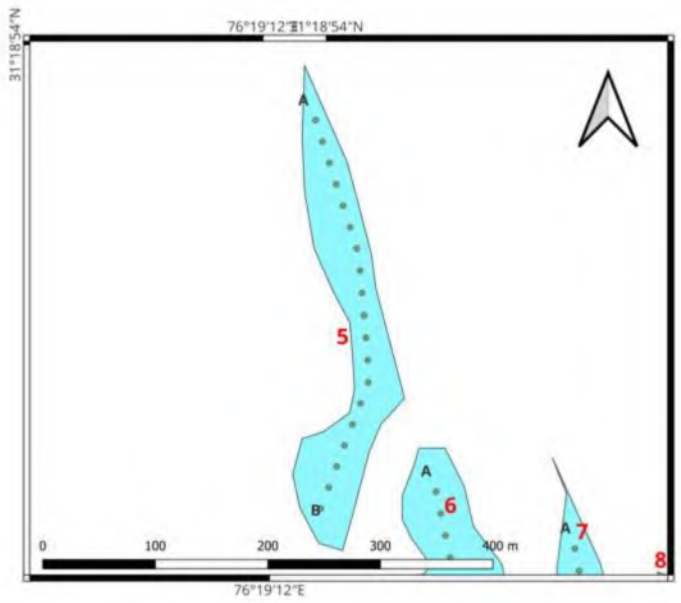


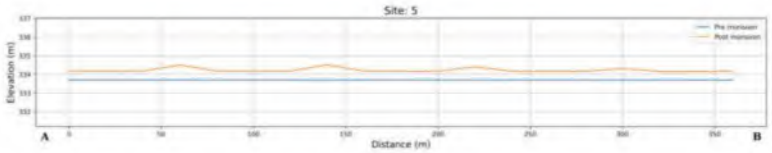


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.698	334.168	0.470
2	20	333.699	334.169	0.471
3	40	333.699	334.171	0.472
4	60	333.699	334.472	0.636
5	80	333.700	334.174	0.474
6	100	333.700	334.175	0.475
7	120	333.700	334.177	0.476
8	140	333.701	334.459	0.767
9	160	333.701	334.180	0.479
10	180	333.701	334.182	0.480
11	200	333.702	334.183	0.481
12	220	333.702	334.363	0.945
13	240	333.702	334.184	0.482
14	260	333.702	334.184	0.482
15	280	333.702	334.184	0.482
16	300	333.702	334.452	0.831
17	320	333.702	334.184	0.482
18	340	333.702	334.184	0.482
19	360	333.702	334.184	0.482
20	380	333.702	334.505	0.616
21	400	333.702	334.184	0.482
22	420	333.702	334.185	0.482
23	440	333.702	334.185	0.483
24	460	333.702	334.488	0.949

25	480	333.702	334.186	0.483
26	500	333.703	334.186	0.483
27	520	333.703	334.186	0.484
28	540	333.703	334.432	0.748
29	560	333.703	334.187	0.485
30	580	333.703	334.188	0.485
31	600	333.703	334.189	0.486
32	620	333.703	334.471	0.688
33	640	333.703	334.190	0.487
34	660	333.704	334.191	0.487
35	680	333.704	334.191	0.487
		Avg Deposited		0.912
		Avg Eroded		NA

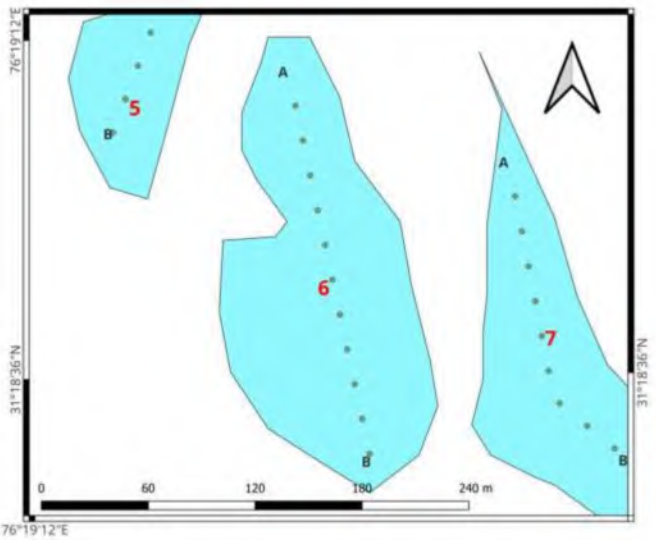
Site: 5

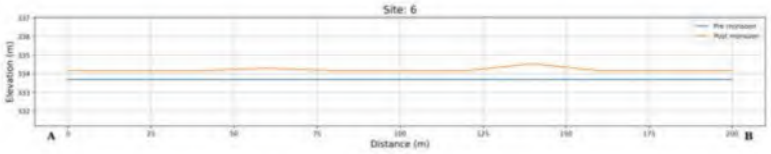




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.699	334.173	0.474
2	20	333.699	334.173	0.474
3	40	333.699	334.173	0.473
4	60	333.699	334.502	0.755
5	80	333.699	334.172	0.473
6	100	333.699	334.172	0.473
7	120	333.699	334.172	0.472
8	140	333.699	334.512	0.657
9	160	333.699	334.170	0.472
10	180	333.699	334.169	0.471
11	200	333.698	334.168	0.470
12	220	333.698	334.400	0.774
13	240	333.698	334.166	0.468
14	260	333.698	334.165	0.467
15	280	333.697	334.163	0.466
16	300	333.697	334.303	0.878
17	320	333.697	334.159	0.463
18	340	333.696	334.158	0.461
19	360	333.696	334.157	0.461
		Avg Deposited		0.639
		Avg Eroded		NA

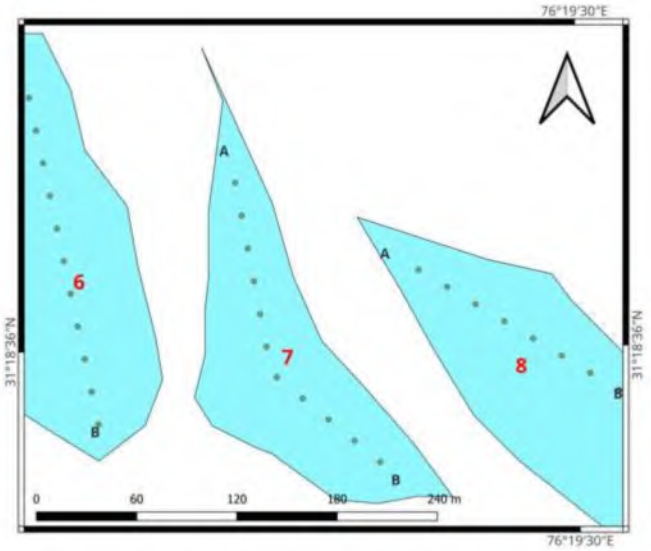
Site: 6

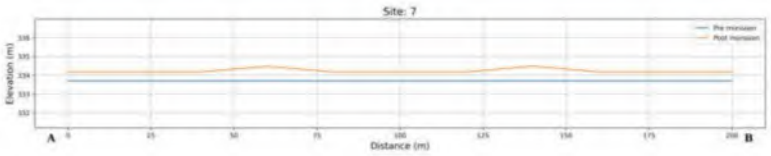




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.699	334.170	0.471
2	20	333.699	334.169	0.471
3	40	333.699	334.169	0.471
4	60	333.698	334.299	0.897
5	80	333.698	334.168	0.470
6	100	333.698	334.167	0.469
7	120	333.698	334.167	0.469
8	140	333.698	334.538	0.767
9	160	333.698	334.166	0.468
10	180	333.698	334.166	0.468
11	200	333.698	334.165	0.467
		Avg Deposited		0.773
		Avg Eroded		NA

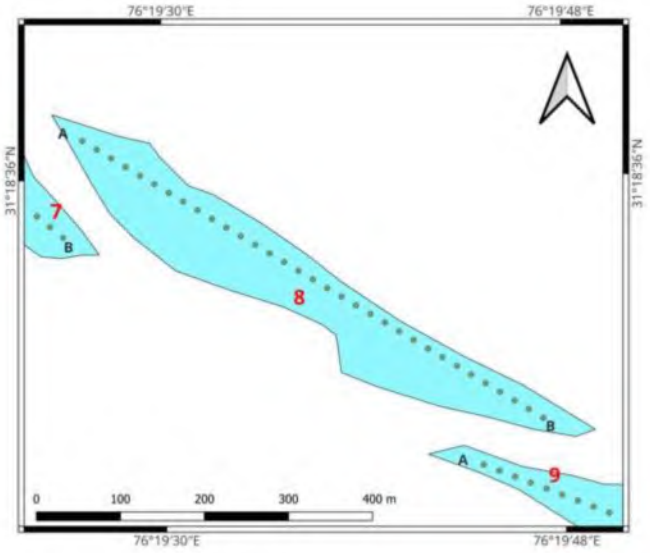
Site: 7

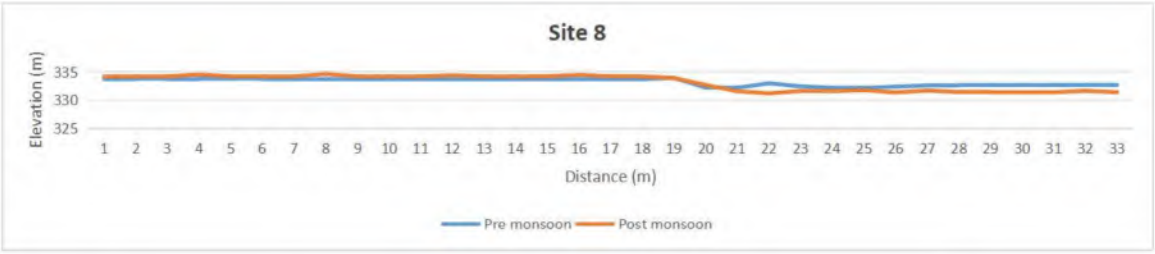




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.702	334.182	0.481
2	20	333.702	334.182	0.480
3	40	333.701	334.181	0.480
4	60	333.701	334.479	0.785
5	80	333.701	334.181	0.479
6	100	333.701	334.180	0.479
7	120	333.701	334.180	0.479
8	140	333.701	334.492	0.940
9	160	333.702	334.182	0.480
10	180	333.702	334.183	0.481
11	200	333.702	334.184	0.482
		Avg Deposited		0.948
		Avg Eroded		NA

Site: 8

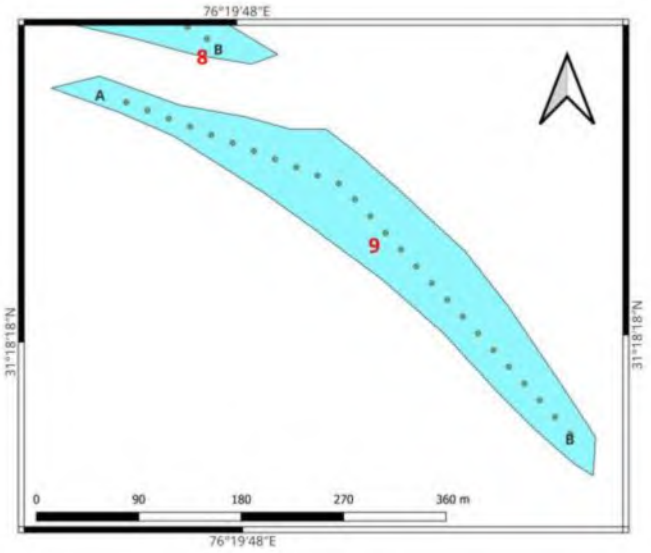


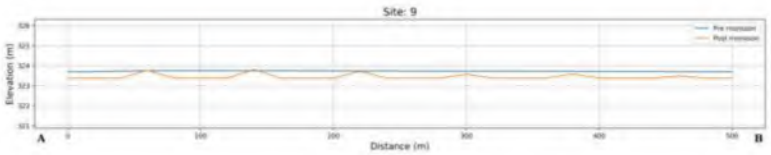


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	333.704	334.194	0.49
2	20	333.804	334.194	0.39
3	40	333.705	334.196	0.491
4	60	333.805	334.529	0.724
5	80	333.806	334.199	0.393
6	100	333.706	334.2	0.494
7	120	333.706	334.202	0.496
8	140	333.707	334.629	0.922
9	160	333.707	334.204	0.497
10	180	333.707	334.206	0.499
11	200	333.708	334.207	0.499

12	220	333.708	334.376	0.668
13	240	333.708	334.21	0.502
14	260	333.709	334.211	0.502
15	280	333.709	334.213	0.504
16	300	333.709	334.463	0.754
17	320	333.709	334.215	0.506
18	340	333.687	334.193	0.506
19	360	333.916	333.918	0.502
20	380	332.198	332.669	0.471
21	400	332.19	331.56	-0.63
22	420	332.96	331.181	-1.779
23	440	332.429	331.606	-0.823
24	460	332.184	331.555	-0.629
25	480	332.175	331.758	-0.417
26	500	332.362	331.356	-1.006
27	520	332.591	331.676	-0.915
28	540	332.668	331.43	-1.238
29	560	332.667	331.383	-1.284
30	580	332.667	331.379	-1.288
31	600	332.673	331.378	-1.295
32	620	332.684	331.633	-1.051
33	640	332.69	331.378	-1.312
		Avg Deposited		0.54
		Avg Eroded		-1.053

Site: 9

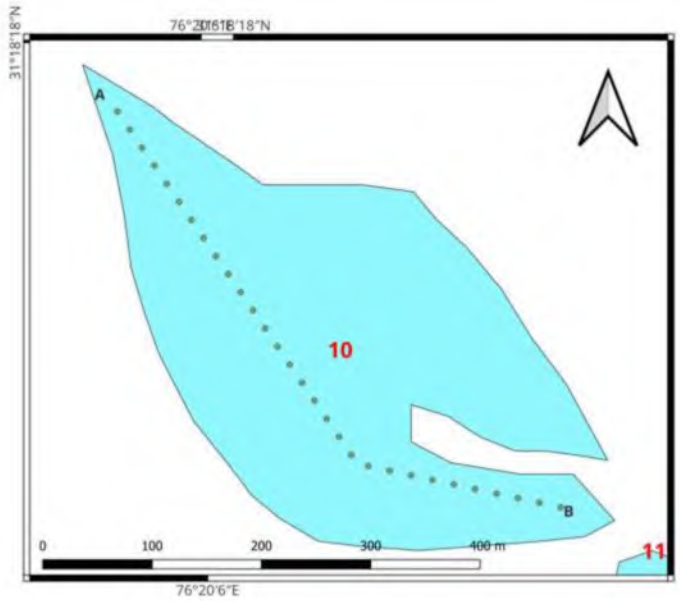


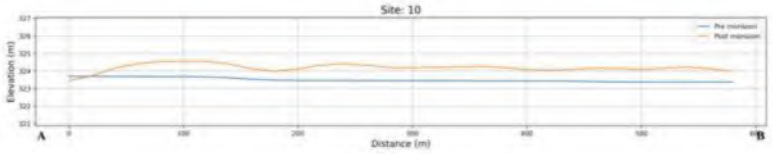


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	323.689	323.376	-0.313
2	20	323.705	323.376	-0.329
3	40	323.732	323.376	-0.356
4	60	323.748	323.770	-0.372
5	80	323.750	323.375	-0.375
6	100	323.749	323.375	-0.374
7	120	323.748	323.375	0.010
8	140	323.747	323.808	-0.372
9	160	323.745	323.374	-0.371
10	180	323.744	323.374	-0.370
11	200	323.742	323.374	0.065
12	220	323.740	323.729	-0.364
13	240	323.738	323.378	-0.359
14	260	323.735	323.380	-0.355
15	280	323.732	323.379	0.005
16	300	323.730	323.565	-0.351
17	320	323.727	323.378	-0.349
18	340	323.725	323.378	-0.347
19	360	323.722	323.377	-0.061
20	380	323.720	323.587	-0.343
21	400	323.717	323.376	-0.341
22	420	323.712	323.375	-0.336
23	440	323.705	323.375	0.041
24	460	323.700	323.489	-0.326
25	480	323.697	323.374	-0.323
26	500	323.695	323.373	-0.322

		Avg Deposited		NA
		Avg Eroded		-0.351

Site: 10

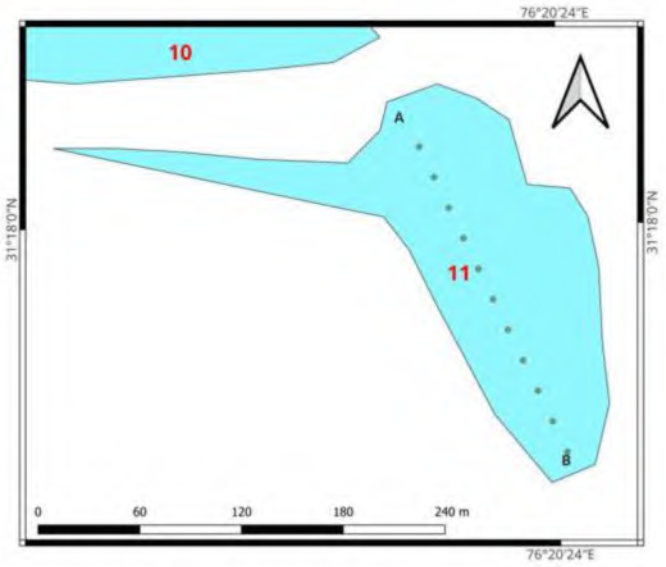


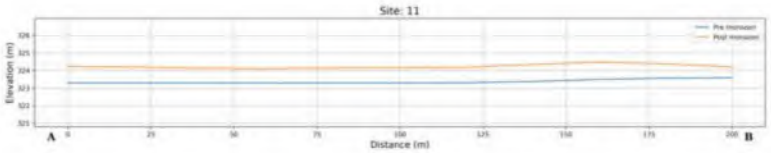


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	323.694	323.447	-0.247
2	20	323.692	323.717	0.025
3	40	323.689	324.150	0.461
4	60	323.686	324.422	0.736
5	80	323.683	324.526	0.843
6	100	323.679	324.546	0.868
7	120	323.664	324.548	0.884
8	140	323.612	324.403	0.791
9	160	323.528	324.115	0.587
10	180	323.476	323.990	0.514
11	200	323.463	324.113	0.649
12	220	323.460	324.325	0.864
13	240	323.458	324.421	0.963
14	260	323.456	324.324	0.868
15	280	323.454	324.196	0.742
16	300	323.452	324.190	0.738
17	320	323.450	324.207	0.757
18	340	323.448	324.228	0.780
19	360	323.445	324.264	0.819
20	380	323.442	324.184	0.742
21	400	323.440	324.076	0.636
22	420	323.435	324.044	0.609
23	440	323.419	324.086	0.668

24	460	323.393	324.152	0.759
25	480	323.377	324.141	0.764
26	500	323.373	324.073	0.700
27	520	323.372	324.149	0.777
28	540	323.371	324.233	0.862
29	560	323.370	324.122	0.752
30	580	323.370	323.977	0.607
		Avg Deposited		0.716
		Avg Eroded		-0.247

Site: 11

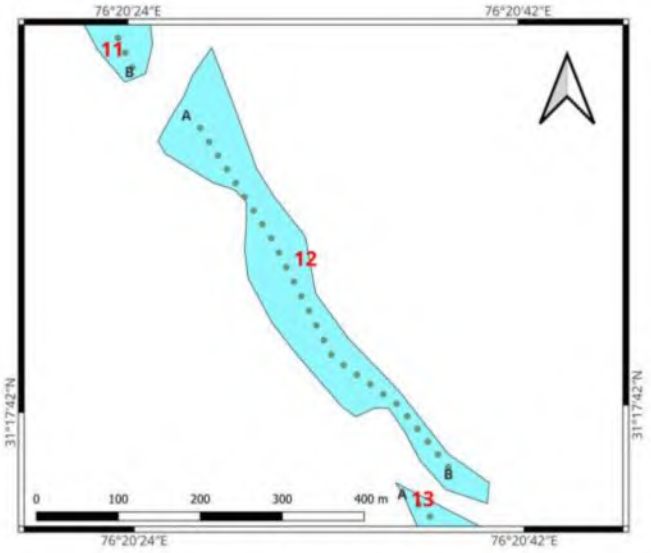


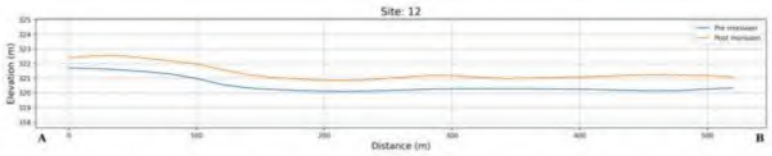


2143

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	323.287	324.224	0.937
2	20	323.287	324.205	0.919
3	40	323.285	324.117	0.831
4	60	323.284	324.093	0.809
5	80	323.282	324.135	0.853
6	100	323.282	324.156	0.873
7	120	323.297	324.182	0.885
8	140	323.369	324.343	0.974
9	160	323.488	324.467	0.979
10	180	323.561	324.377	0.815
11	200	323.578	324.202	0.624
		Avg Deposited		0.864
		Avg Eroded		NA

Site: 12

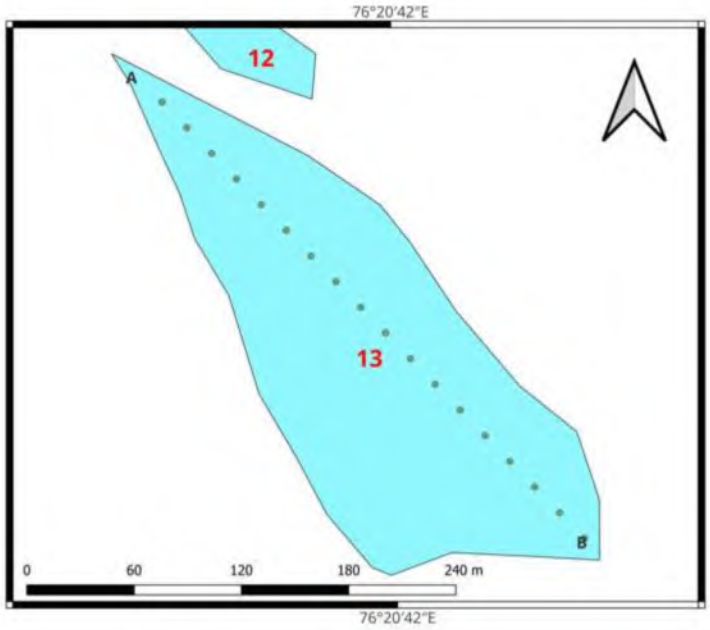


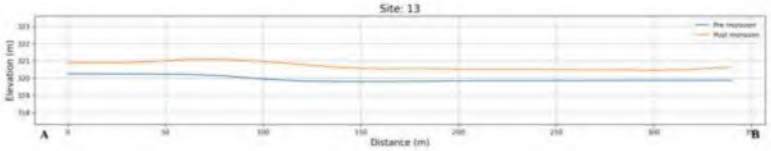


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	321.692	322.393	0.701
2	20	321.656	322.532	0.875
3	40	321.570	322.544	0.974
4	60	321.447	322.359	0.912
5	80	321.282	322.174	0.891
6	100	320.976	321.967	0.991
7	120	320.567	321.582	1.016
8	140	320.323	321.240	0.917
9	160	320.227	321.043	0.816
10	180	320.150	320.938	0.789
11	200	320.105	320.853	0.748
12	220	320.099	320.841	0.742
13	240	320.121	320.927	0.806
14	260	320.179	321.053	0.875
15	280	320.242	321.178	0.936
16	300	320.272	321.184	0.912
17	320	320.275	321.065	0.791
18	340	320.272	320.976	0.704
19	360	320.269	321	0.731
20	380	320.262	321.049	0.787
21	400	320.244	321.085	0.842
22	420	320.210	321.133	0.923
23	440	320.164	321.217	1.053
24	460	320.124	321.238	1.114

25	480	320.158	321.221	1.063
26	500	320.259	321.185	0.925
27	520	320.322	321.077	0.755
		Avg Deposited		0.874
		Avg Eroded		NA

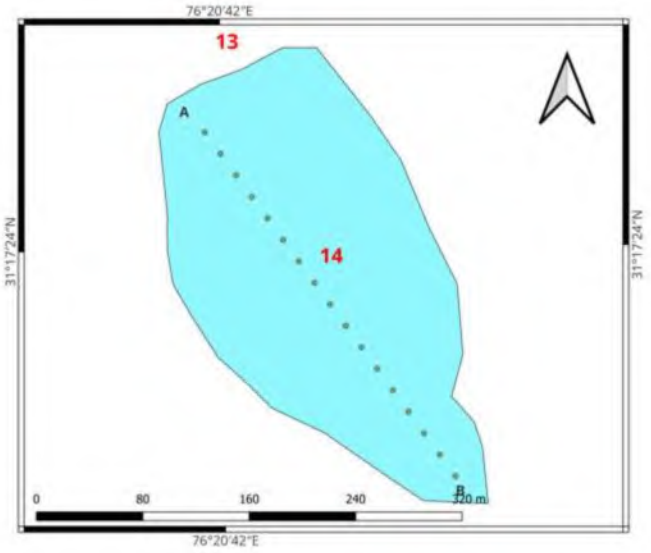
Site: 13

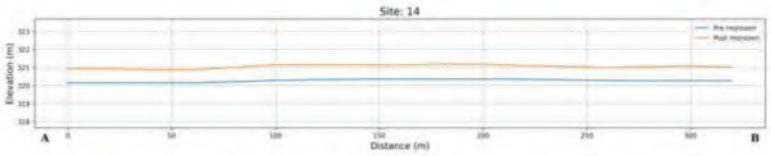




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	320.247	320.915	0.668
2	20	320.243	320.876	0.633
3	40	320.239	320.939	0.699
4	60	320.223	321.076	0.853
5	80	320.126	321.097	0.971
6	100	319.945	320.965	1.019
7	120	319.829	320.784	0.955
8	140	319.801	320.614	0.813
9	160	319.800	320.533	0.733
10	180	319.815	320.549	0.734
11	200	319.841	320.519	0.678
12	220	319.856	320.510	0.654
13	240	319.858	320.507	0.649
14	260	319.857	320.487	0.629
15	280	319.860	320.489	0.629
16	300	319.866	320.453	0.586
17	320	319.870	320.504	0.635
18	340	319.869	320.651	0.782
		Avg Deposited		0.740
		Avg Eroded		NA

Site: 14

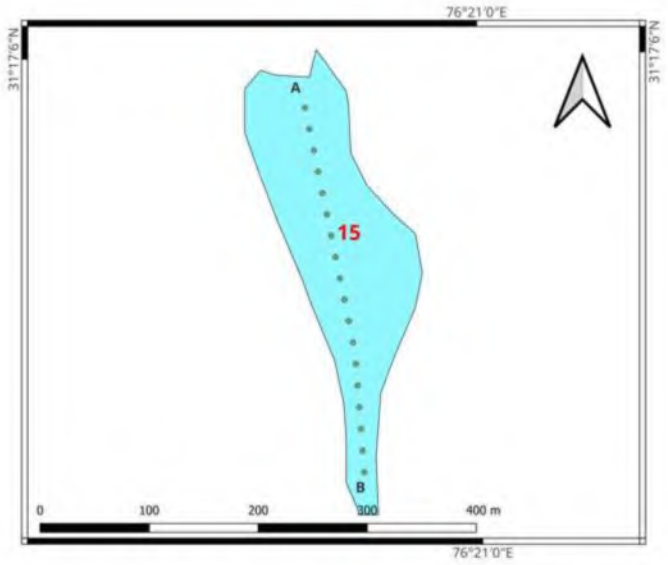


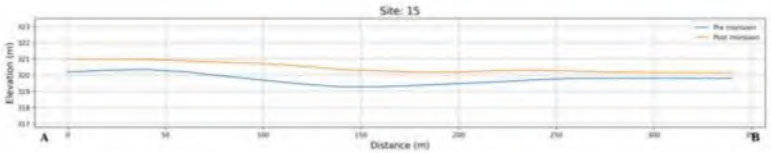


2147

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	320.144	320.914	0.770
2	20	320.145	320.917	0.772
3	40	320.146	320.864	0.717
4	60	320.157	320.864	0.707
5	80	320.204	321.010	0.806
6	100	320.279	321.148	0.869
7	120	320.327	321.163	0.836
8	140	320.339	321.147	0.808
9	160	320.342	321.138	0.797
10	180	320.343	321.190	0.847
11	200	320.343	321.185	0.841
12	220	320.338	321.106	0.768
13	240	320.313	321.057	0.744
14	260	320.277	321.004	0.726
15	280	320.261	321.042	0.782
16	300	320.264	321.075	0.810
17	320	320.269	321.027	0.758
		Avg Deposited		0.786
		Avg Eroded		NA

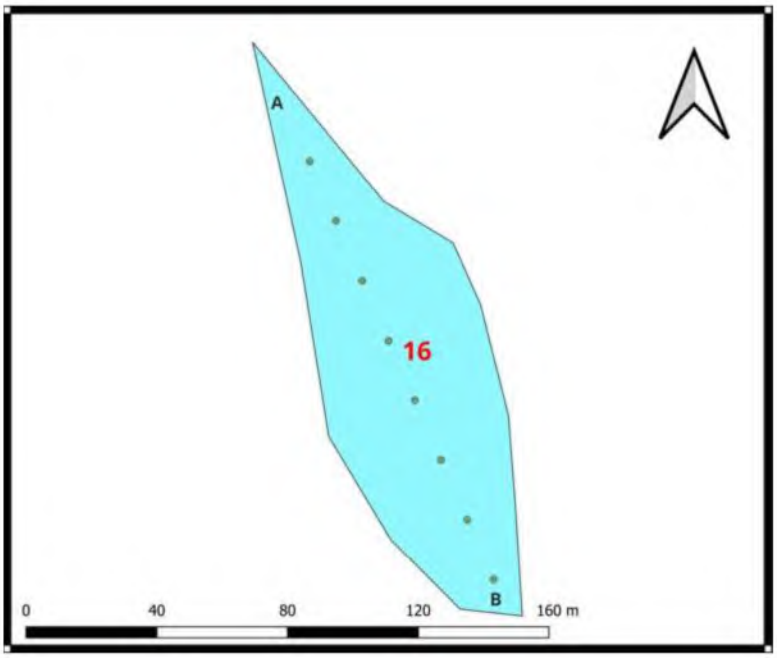
Site: 15

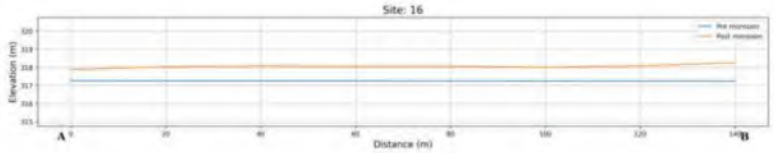




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	320.187	320.990	0.802
2	20	320.298	320.987	0.688
3	40	320.340	320.965	0.624
4	60	320.203	320.883	0.680
5	80	319.935	320.779	0.844
6	100	319.689	320.710	1.021
7	120	319.451	320.542	1.092
8	140	319.279	320.346	1.067
9	160	319.280	320.254	0.974
10	180	319.373	320.174	0.800
11	200	319.476	320.189	0.713
12	220	319.580	320.279	0.699
13	240	319.716	320.296	0.579
14	260	319.799	320.237	0.439
15	280	319.811	320.183	0.373
16	300	319.805	320.153	0.348
17	320	319.800	320.145	0.345
18	340	319.798	320.153	0.355
		Avg Deposited		0.691
		Avg Eroded		NA

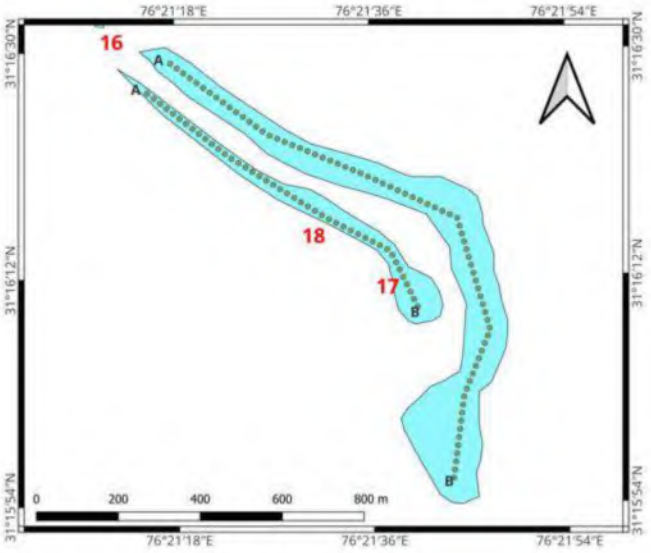
Site: 16

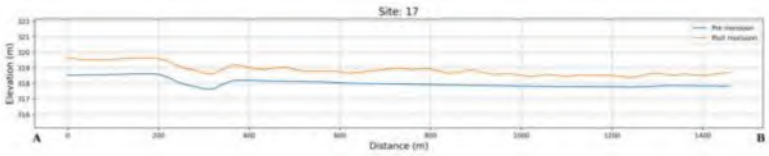




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	317.264	317.882	0.618
2	20	317.262	318.033	0.772
3	40	317.259	318.075	0.816
4	60	317.256	318.058	0.802
5	80	317.252	318.058	0.806
6	100	317.249	318.006	0.758
7	120	317.246	318.082	0.837
8	140	317.244	318.258	1.014
		Avg Deposited		0.803
		Avg Eroded		NA

Site: 17

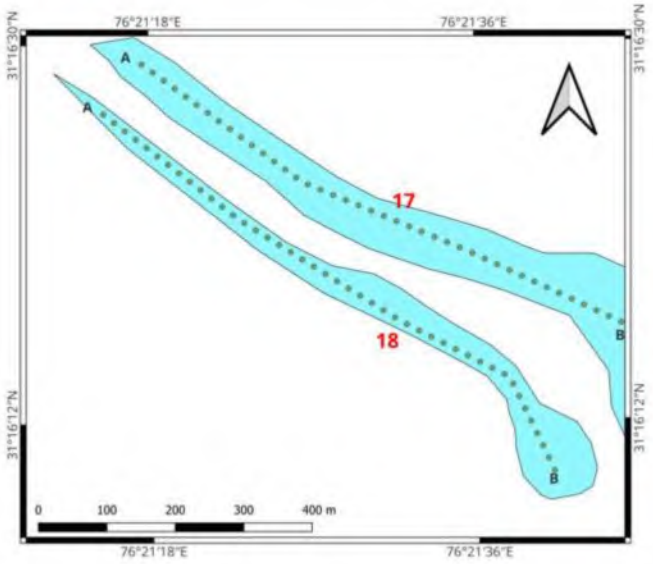


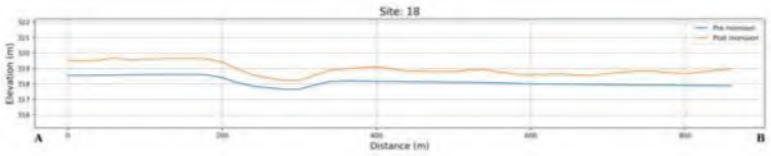


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	318.535	319.644	1.109
2	20	318.539	319.568	1.030
3	40	318.544	319.518	0.975
4	60	318.550	319.510	0.961
5	80	318.557	319.519	0.962
6	100	318.570	319.547	0.978
7	120	318.587	319.592	1.005
8	140	318.600	319.622	1.022
9	160	318.607	319.634	1.027
10	180	318.612	319.642	1.030
11	200	318.583	319.616	1.486
12	220	318.415	319.446	1.031
13	240	318.120	319.154	1.034
14	260	317.913	318.967	1.054
15	280	317.798	318.853	1.055
16	300	317.657	318.671	1.014
17	320	317.632	318.587	0.954
18	340	317.915	318.887	0.972
19	360	318.156	319.165	1.009
20	380	318.207	319.160	0.953
21	400	318.194	319.039	0.845
22	420	318.171	318.914	0.744
23	440	318.154	318.905	0.751
24	460	318.144	319.016	0.872

25	480	318.135	319.042	0.907
26	500	318.125	318.907	0.782
27	520	318.116	318.787	0.671
28	540	318.107	318.786	0.679
29	560	318.095	318.797	0.702
30	580	318.070	318.797	0.727
31	600	318.034	318.753	0.719
32	620	318.009	318.658	0.649
33	640	317.996	318.685	0.689
34	660	317.987	318.794	0.808
35	680	317.977	318.826	0.849
36	700	317.967	318.895	0.928
37	720	317.956	318.982	1.026
38	740	317.946	318.953	1.007
39	760	317.937	318.895	0.958
40	780	317.927	318.936	1.008
41	800	317.918	318.934	1.016
42	820	317.908	318.784	0.876
43	840	317.899	318.645	0.747
44	860	317.889	318.695	0.806
45	880	317.879	318.843	0.964
46	900	317.869	318.837	0.968
47	920	317.860	318.668	0.807
48	940	317.852	318.573	0.721
49	960	317.845	318.603	0.758
50	980	317.837	318.603	0.766
51	1000	317.827	318.518	0.691
52	1020	317.818	318.435	0.617
53	1040	317.809	318.489	0.679
54	1060	317.801	318.580	0.779
55	1080	317.793	318.500	0.707
56	1100	317.788	318.454	0.666
57	1120	317.784	318.517	0.733
58	1140	317.781	318.534	0.753
59	1160	317.778	318.514	0.736
60	1180	317.775	318.523	0.748
61	1200	317.773	318.513	0.741
62	1220	317.769	318.445	0.675
63	1240	317.766	318.396	0.630
64	1260	317.767	318.454	0.686
65	1280	317.790	318.604	0.814
66	1300	317.829	318.658	0.828
67	1320	317.852	318.565	0.713
68	1340	317.853	318.535	0.682
69	1360	317.848	318.599	0.751
70	1380	317.843	318.549	0.705
71	1400	317.839	318.511	0.672
72	1420	317.835	318.577	0.743
73	1440	317.830	318.650	0.820
74	1460	317.826	318.704	0.878
		Avg Deposited		0.843
		Avg Eroded		NA

Site: 18

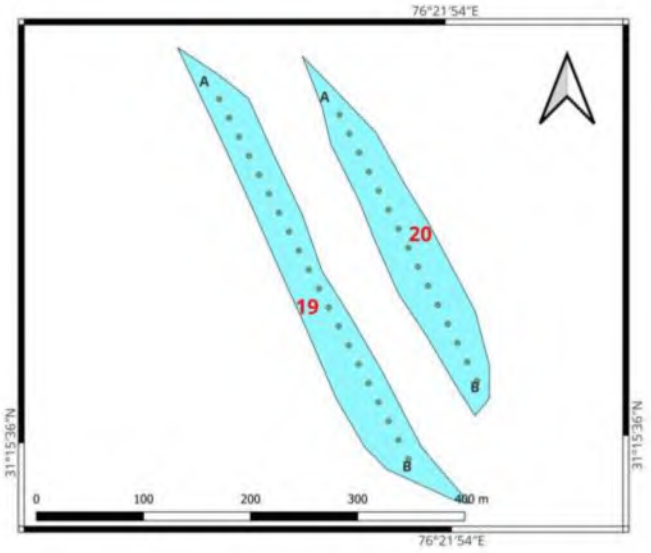


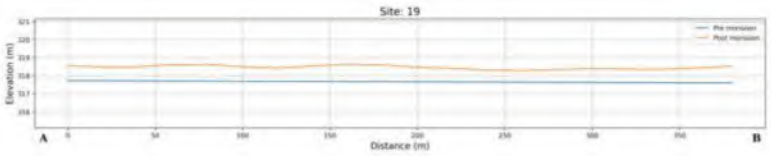


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	318.544	319.504	0.960
2	20	318.547	319.507	0.959
3	40	318.554	319.511	0.956
4	60	318.567	319.697	1.322
5	80	318.584	319.548	0.964
6	100	318.596	319.593	0.997
7	120	318.603	319.624	1.021
8	140	318.609	319.638	1.030
9	160	318.614	319.645	1.030
10	180	318.584	319.617	1.298
11	200	318.406	319.422	1.016
12	220	318.082	318.983	0.901
13	240	317.844	318.574	0.730
14	260	317.748	318.382	0.634
15	280	317.652	318.224	0.572
16	300	317.650	318.212	0.562
17	320	317.924	318.561	0.638
18	340	318.152	318.886	0.734
19	360	318.200	318.966	0.766
20	380	318.188	319.056	0.868
21	400	318.164	319.096	0.932
22	420	318.146	318.966	0.820
23	440	318.135	318.819	0.684
24	460	318.127	318.814	0.688

25	480	318.118	318.807	0.689
26	500	318.108	318.792	0.973
27	520	318.098	318.892	0.794
28	540	318.085	318.925	0.840
29	560	318.061	318.765	0.704
30	580	318.026	318.623	0.597
31	600	318.001	318.601	0.600
32	620	317.988	318.616	0.628
33	640	317.977	318.635	0.658
34	660	317.967	318.565	0.598
35	680	317.957	318.552	0.595
36	700	317.948	318.669	0.721
37	720	317.939	318.767	0.827
38	740	317.930	318.829	0.899
39	760	317.921	318.819	0.898
40	780	317.911	318.720	0.809
41	800	317.902	318.670	0.768
42	820	317.892	318.746	0.853
43	840	317.883	318.886	1.004
44	860	317.876	318.967	1.091
		Avg Deposited		0.811
		Avg Eroded		NA

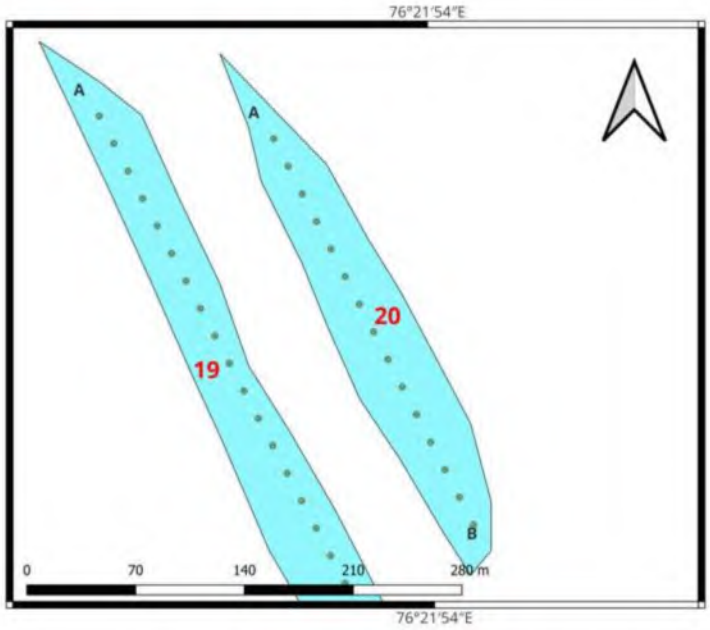
Site: 19

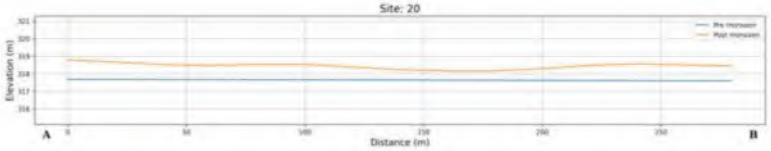




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	317.727	318.558	0.831
2	20	317.722	318.484	0.762
3	40	317.715	318.495	0.780
4	60	317.708	318.616	0.907
5	80	317.702	318.623	0.921
6	100	317.695	318.502	0.807
7	120	317.690	318.429	0.740
8	140	317.684	318.538	0.854
9	160	317.677	318.643	0.966
10	180	317.670	318.592	0.922
11	200	317.663	318.476	0.813
12	220	317.656	318.404	0.748
13	240	317.650	318.325	0.675
14	260	317.644	318.284	0.640
15	280	317.637	318.344	0.707
16	300	317.630	318.398	0.768
17	320	317.624	318.370	0.746
18	340	317.618	318.365	0.747
19	360	317.612	318.433	0.821
20	380	317.607	318.535	0.928
		Avg Deposited		0.804
		Avg Eroded		NA

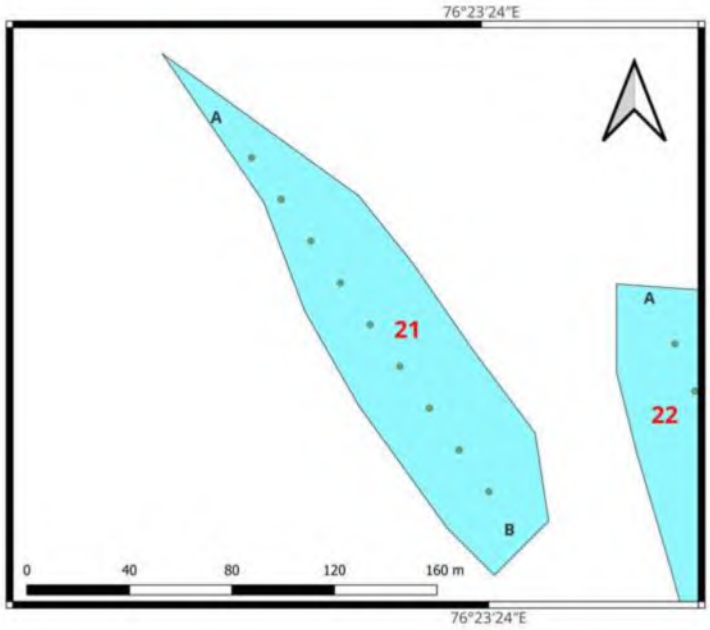
Site: 20

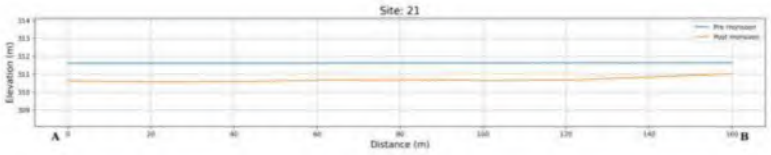




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	317.686	318.789	1.103
2	20	317.682	318.672	0.990
3	40	317.675	318.518	0.842
4	60	317.668	318.480	0.812
5	80	317.661	318.534	0.873
6	100	317.655	318.533	0.879
7	120	317.648	318.380	0.732
8	140	317.642	318.233	0.591
9	160	317.636	318.165	0.529
10	180	317.630	318.168	0.538
11	200	317.624	318.289	0.665
12	220	317.618	318.486	0.868
13	240	317.611	318.568	0.957
14	260	317.605	318.503	0.898
15	280	317.601	318.447	0.846
		Avg Deposited		0.808
		Avg Eroded		NA

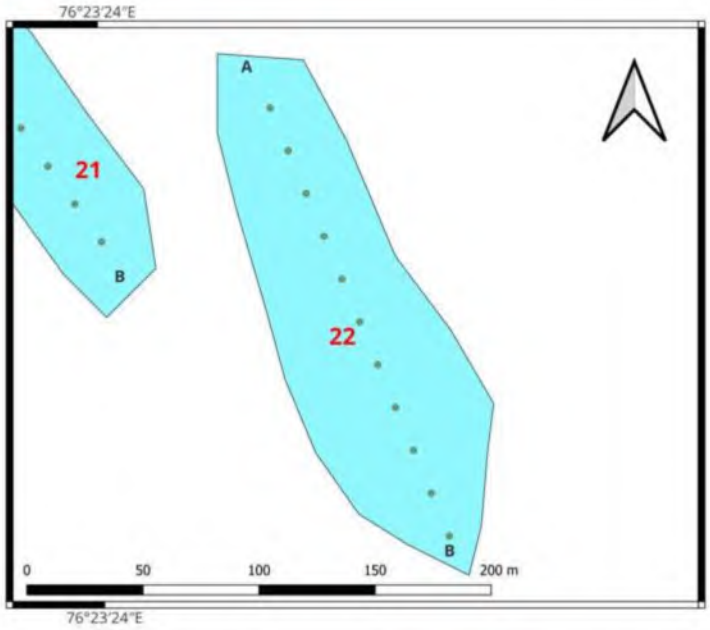
Site: 21

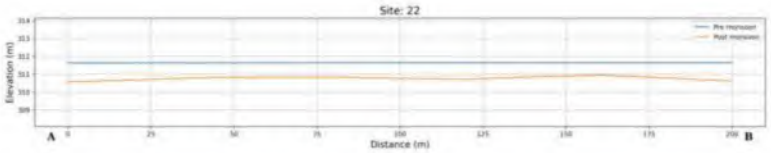




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	311.616	310.619	-0.997
2	20	311.617	310.572	-1.045
3	40	311.619	310.579	-1.040
4	60	311.620	310.659	-0.961
5	80	311.622	310.700	-0.922
6	100	311.624	310.654	-0.970
7	120	311.625	310.664	-0.961
8	140	311.627	310.840	-0.787
9	160	311.628	311.015	-0.613
		Avg Deposited		NA
		Avg Eroded		-0.922

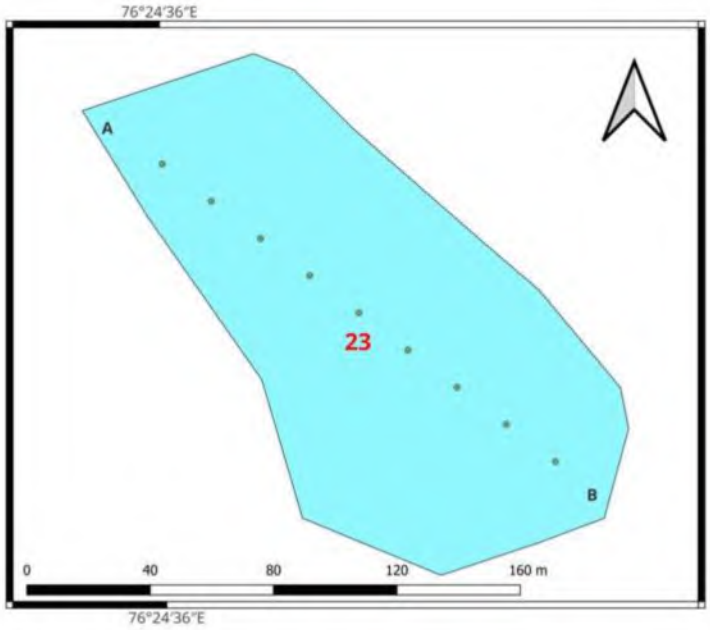
Site: 22

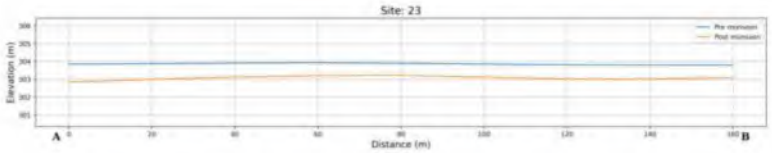




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	311.629	310.565	-1.064
2	20	311.630	310.678	-0.952
3	40	311.632	310.805	-0.827
4	60	311.633	310.839	-0.794
5	80	311.635	310.840	-0.794
6	100	311.636	310.767	-0.869
7	120	311.637	310.720	-0.917
8	140	311.639	310.851	-0.788
9	160	311.640	310.943	-0.697
10	180	311.641	310.798	-0.843
11	200	311.642	310.611	-1.031
		Avg Deposited		NA
		Avg Eroded		-0.871

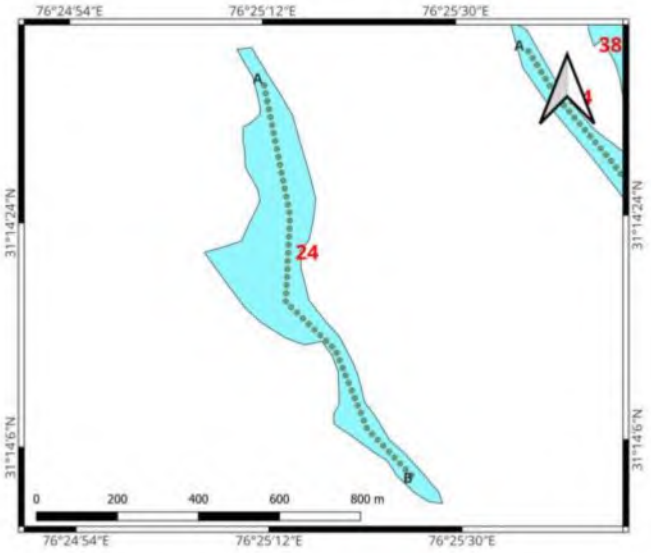
Site: 23

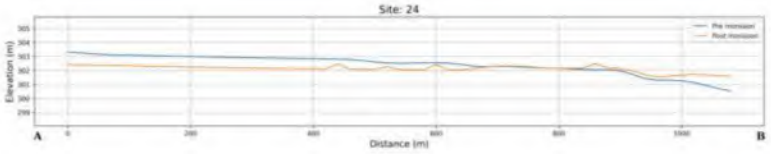




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	303.847	302.843	-1.004
2	20	303.871	302.991	-0.880
3	40	303.911	303.118	-0.793
4	60	303.927	303.203	-0.725
5	80	303.899	303.218	-0.681
6	100	303.846	303.120	-0.727
7	120	303.811	303.012	-0.798
8	140	303.796	303.010	-0.787
9	160	303.790	303.094	-0.696
		Avg Deposited		NA
		Avg Eroded		-0.788

Site: 24



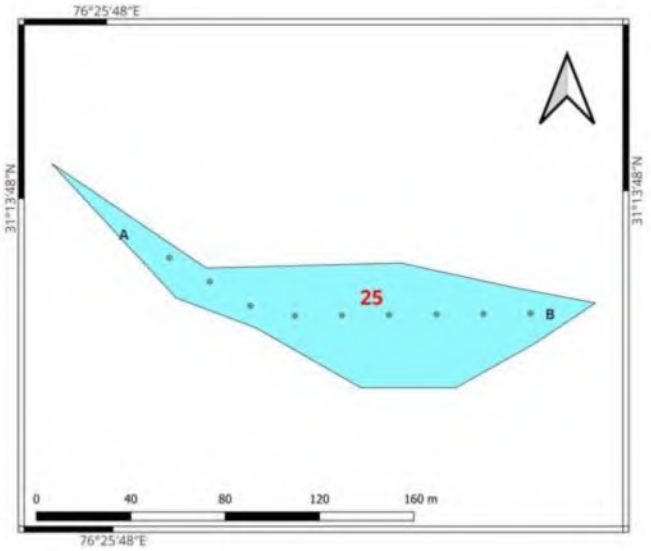


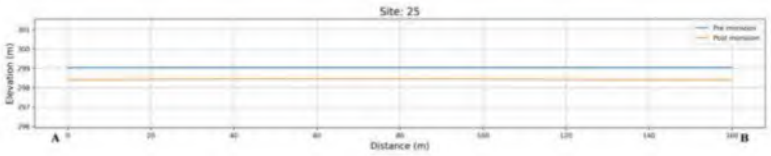
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	303.313	302.417	-0.896
2	20	303.266	302.405	-0.861
3	40	303.185	302.387	-0.799
4	60	303.129	302.368	-0.761
5	80	303.103	302.349	-0.754
6	100	303.085	302.330	-0.755
7	120	303.068	302.312	-0.398
8	140	303.050	302.296	-0.754
9	160	303.033	302.281	-0.751
10	180	303.015	302.266	-0.749
11	200	302.997	302.249	-0.341
12	220	302.979	302.233	-0.746
13	240	302.961	302.216	-0.745
14	260	302.943	302.200	-0.743
15	280	302.925	302.185	-0.584
16	300	302.907	302.171	-0.736
17	320	302.890	302.158	-0.732
18	340	302.874	302.146	-0.728
19	360	302.859	302.135	-0.367
20	380	302.844	302.124	-0.719
21	400	302.829	302.114	-0.715
22	420	302.815	302.105	-0.710
23	440	302.800	302.456	-0.511
24	460	302.775	302.088	-0.688

2160

25	480	302.709	302.080	-0.629
26	500	302.605	302.074	-0.532
27	520	302.534	302.258	-0.466
28	540	302.508	302.061	-0.448
29	560	302.516	302.053	-0.463
30	580	302.542	302.045	-0.497
31	600	302.548	302.433	-0.511
32	620	302.518	302.032	-0.486
33	640	302.431	302.043	-0.388
34	660	302.308	302.114	-0.194
35	680	302.262	302.236	-0.025
36	700	302.289	302.309	0.020
37	720	302.287	302.315	0.028
38	740	302.241	302.291	0.050
39	760	302.204	302.236	0.033
40	780	302.176	302.169	-0.007
41	800	302.143	302.147	0.004
42	820	302.106	302.156	0.050
43	840	302.071	302.164	0.094
44	860	302.054	302.497	0.117
45	880	302.048	302.172	0.124
46	900	301.973	302.137	0.163
47	920	301.722	301.972	0.250
48	940	301.420	301.697	0.277
49	960	301.306	301.549	0.244
50	980	301.302	301.583	0.281
51	1000	301.264	301.669	0.405
52	1020	301.137	301.718	0.581
53	1040	300.928	301.694	0.766
54	1060	300.703	301.625	0.922
55	1080	300.541	301.576	1.035
		Avg Deposited		0.286
		Avg Eroded		-0.629

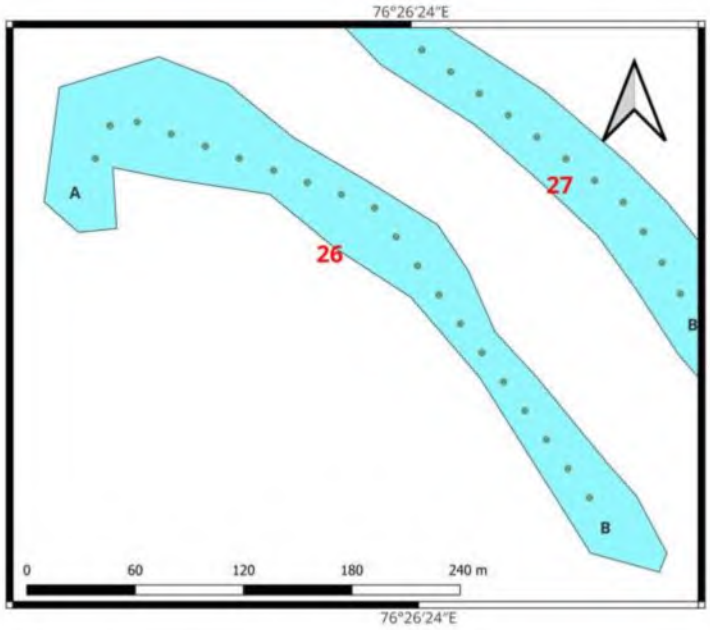
Site: 25

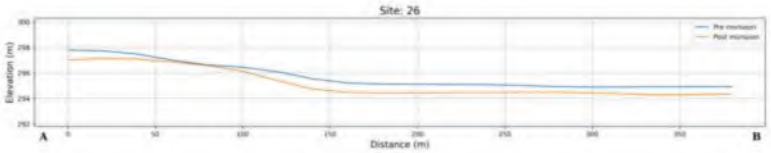




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	299.029	298.413	-0.615
2	20	299.031	298.424	-0.607
3	40	299.034	298.436	-0.598
4	60	299.037	298.444	-0.255
5	80	299.040	298.445	-0.595
6	100	299.043	298.435	-0.608
7	120	299.042	298.420	-0.621
8	140	299.038	298.415	-0.622
9	160	299.035	298.417	-0.619
		Avg Deposited		NA
		Avg Eroded		-0.609

Site: 26

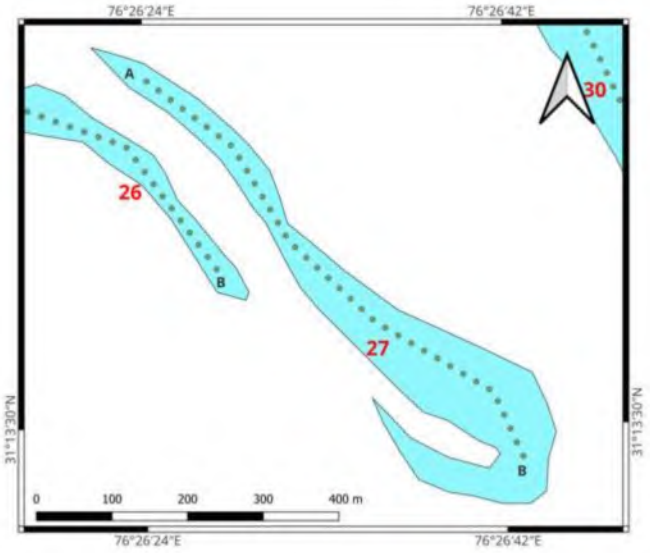


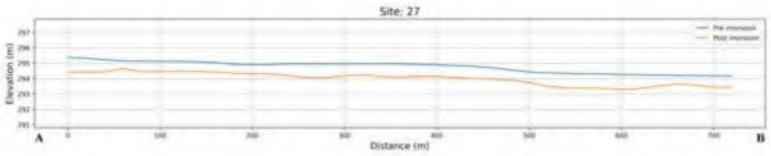


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	297.799	297.015	-0.784
2	20	297.737	297.130	-0.607
3	40	297.470	297.082	-0.388
4	60	296.992	296.857	-0.136
5	80	296.629	296.586	-0.042
6	100	296.446	296.137	-0.310
7	120	296.095	295.399	-0.697
8	140	295.543	294.747	-0.796
9	160	295.209	294.473	-0.736
10	180	295.128	294.428	-0.700
11	200	295.113	294.434	-0.679
12	220	295.103	294.446	-0.656
13	240	295.082	294.459	-0.622
14	260	295.019	294.469	-0.550
15	280	294.927	294.466	-0.462
16	300	294.885	294.428	-0.457
17	320	294.898	294.347	-0.551
18	340	294.921	294.291	-0.629
19	360	294.937	294.319	-0.618
20	380	294.941	294.335	-0.606
		Avg Deposited		NA

		Avg Eroded		-0.551

Site: 27

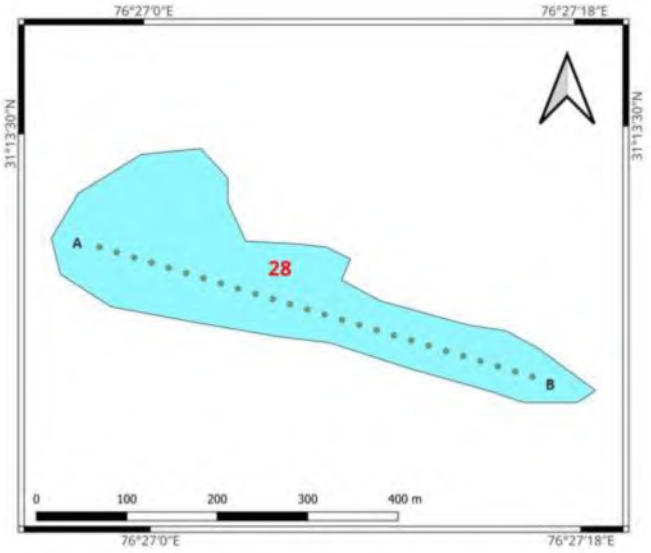


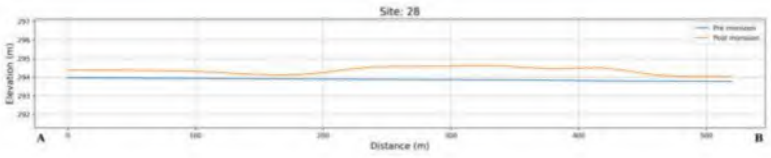


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	295.364	294.419	-0.945
2	20	295.308	294.422	-0.886
3	40	295.218	294.429	-0.789
4	60	295.157	294.648	-0.719
5	80	295.132	294.448	-0.684
6	100	295.121	294.459	-0.662
7	120	295.113	294.470	-0.643
8	140	295.093	294.472	-0.622
9	160	295.030	294.425	-0.604
10	180	294.936	294.342	-0.594
11	200	294.896	294.309	-0.587
12	220	294.919	294.297	-0.622
13	240	294.950	294.196	-0.754
14	260	294.956	294.050	-0.906
15	280	294.949	294.048	-0.901
16	300	294.945	294.193	-0.752
17	320	294.951	294.241	-0.709
18	340	294.960	294.133	-0.827
19	360	294.950	294.075	-0.875
20	380	294.922	294.143	-0.780
21	400	294.884	294.131	-0.753
22	420	294.840	294.064	-0.775
23	440	294.790	294.006	-0.783
24	460	294.698	293.955	-0.742

25	480	294.551	293.904	-0.647
26	500	294.427	293.748	-0.679
27	520	294.367	293.508	-0.859
28	540	294.337	293.377	-0.959
29	560	294.311	293.380	-0.931
30	580	294.287	293.352	-0.936
31	600	294.266	293.291	-0.974
32	620	294.244	293.337	-0.907
33	640	294.224	293.516	-0.708
34	660	294.206	293.650	-0.556
35	680	294.191	293.578	-0.612
36	700	294.179	293.436	-0.743
37	720	294.174	293.444	-0.730
		Avg Deposited		NA
		Avg Eroded		-0.761

Site: 28

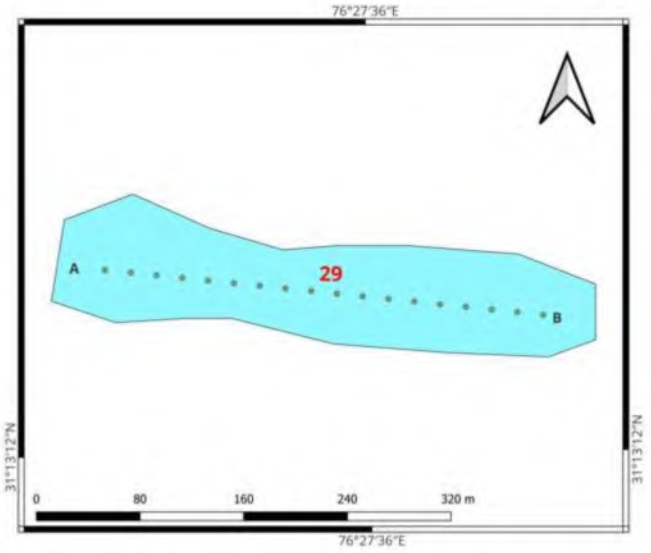


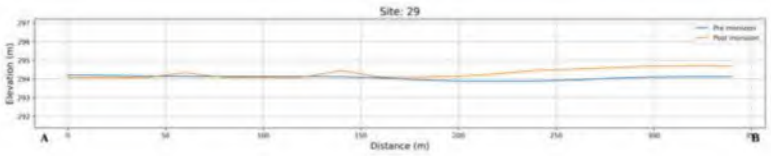


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	293.970	294.383	0.413
2	20	293.963	294.376	0.413
3	40	293.954	294.367	0.413
4	60	293.944	294.355	0.749
5	80	293.936	294.339	0.403
6	100	293.929	294.310	0.381
7	120	293.921	294.249	0.328
8	140	293.914	294.165	0.251
9	160	293.907	294.116	0.210
10	180	293.899	294.129	0.230
11	200	293.892	294.242	0.349
12	220	293.885	294.431	0.546
13	240	293.879	294.550	0.671
14	260	293.873	294.581	0.709
15	280	293.867	294.584	0.717
16	300	293.862	294.590	0.727
17	320	293.858	294.621	0.763
18	340	293.854	294.612	0.758
19	360	293.848	294.507	0.660
20	380	293.833	294.445	0.612
21	400	293.813	294.485	0.673
22	420	293.798	294.499	0.701
23	440	293.791	294.321	0.530
24	460	293.786	294.115	0.329

25	480	293.781	294.033	0.251
26	500	293.777	294.021	0.244
27	520	293.775	294.022	0.247
		Avg Deposited		0.479
		Avg Eroded		NA

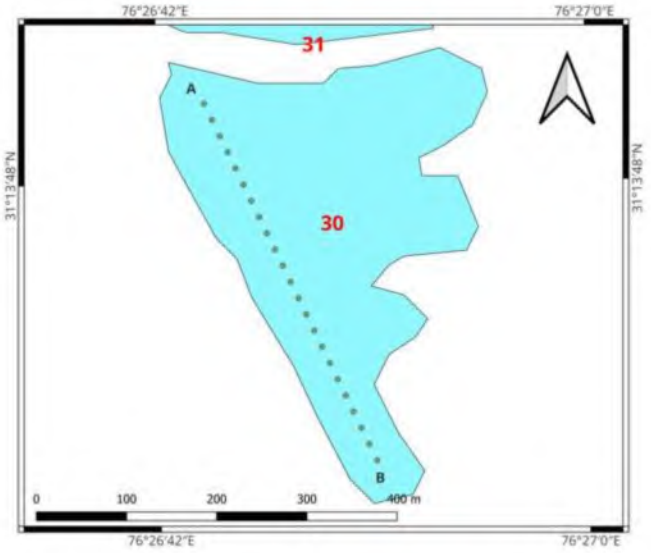
Site: 29

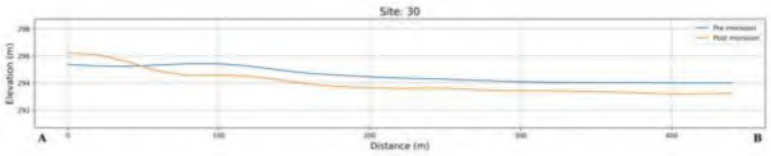




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	294.207	294.069	-0.138
2	20	294.186	294.071	-0.115
3	40	294.152	294.075	-0.077
4	60	294.132	294.326	-0.053
5	80	294.129	294.083	-0.046
6	100	294.130	294.086	-0.044
7	120	294.130	294.089	0.371
8	140	294.118	294.447	-0.025
9	160	294.054	294.097	0.043
10	180	293.948	294.103	0.154
11	200	293.885	294.138	0.253
12	220	293.873	294.276	0.403
13	240	293.886	294.457	0.571
14	260	293.946	294.529	0.583
15	280	294.043	294.605	0.562
16	300	294.103	294.699	0.597
17	320	294.118	294.713	0.596
18	340	294.120	294.700	0.580
		Avg Deposited		0.434
		Avg Eroded		-0.067

Site: 30

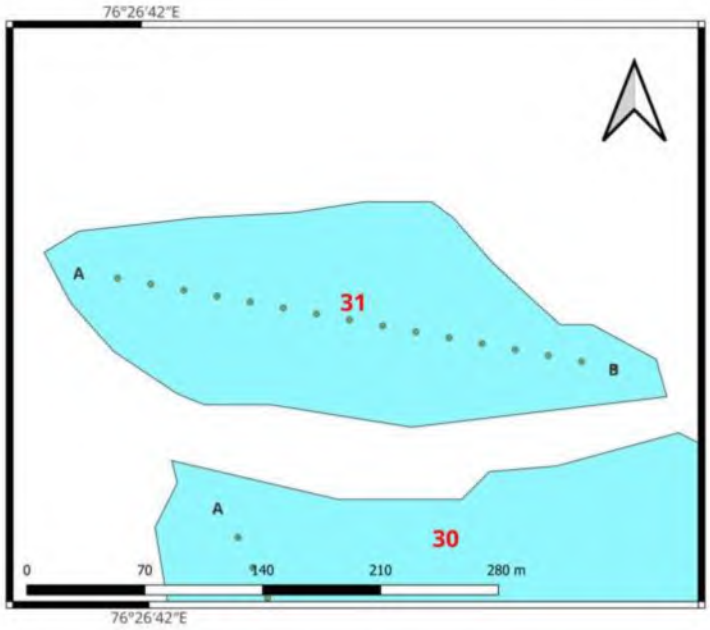


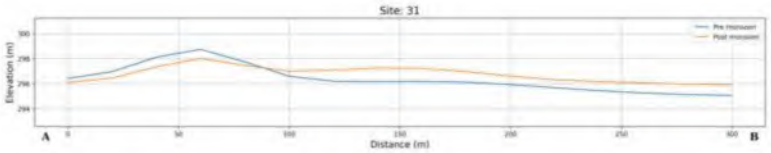


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	295.370	296.235	0.864
2	20	295.264	296.083	0.819
3	40	295.229	295.562	0.333
4	60	295.332	294.873	-0.459
5	80	295.432	294.572	-0.860
6	100	295.425	294.581	-0.844
7	120	295.257	294.518	-0.740
8	140	294.959	294.237	-0.722
9	160	294.710	293.916	-0.795
10	180	294.579	293.734	-0.844
11	200	294.458	293.644	-0.814
12	220	294.366	293.589	-0.777
13	240	294.310	293.614	-0.696
14	260	294.239	293.565	-0.674
15	280	294.157	293.456	-0.700
16	300	294.091	293.421	-0.671
17	320	294.051	293.421	-0.630
18	340	294.034	293.377	-0.658
19	360	294.032	293.337	-0.694
20	380	294.028	293.263	-0.765
21	400	294.018	293.178	-0.840
22	420	294.009	293.195	-0.815
23	440	294.004	293.243	-0.761
		Avg Deposited		0.672

		Avg Eroded		-0.738

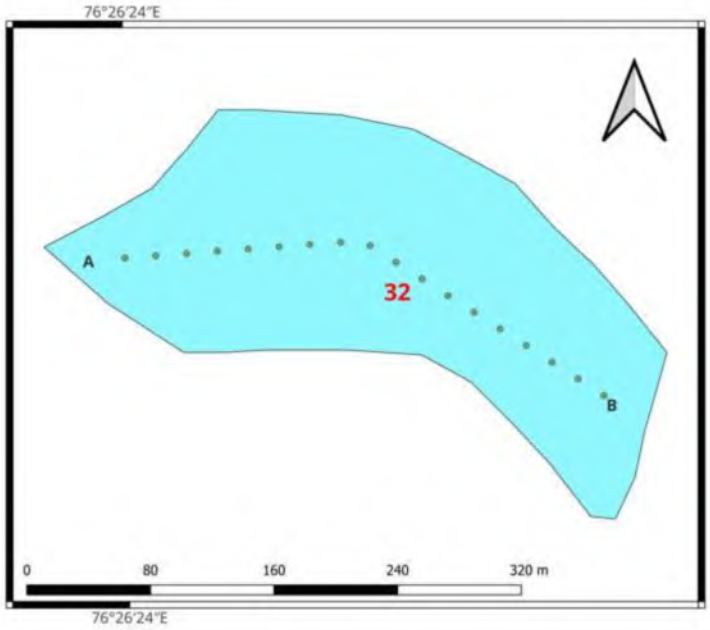
Site: 31

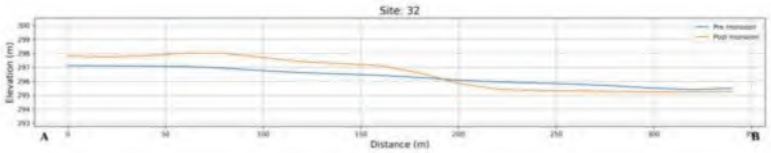




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	296.412	296.094	-0.318
2	20	296.963	296.444	-0.519
3	40	298.120	297.354	-0.766
4	60	298.743	298.008	-0.735
5	80	297.743	297.465	-0.278
6	100	296.592	296.991	0.399
7	120	296.193	297.088	0.895
8	140	296.168	297.247	1.078
9	160	296.185	297.219	1.033
10	180	296.115	296.963	0.848
11	200	295.927	296.596	0.669
12	220	295.673	296.315	0.641
13	240	295.439	296.161	0.722
14	260	295.254	296.059	0.805
15	280	295.128	295.957	0.829
16	300	295.067	295.923	0.856
		Avg Deposited		0.798
		Avg Eroded		-0.523

Site: 32

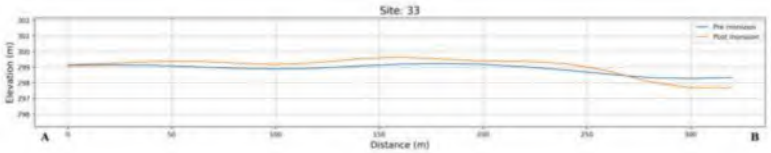




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	297.112	297.802	0.690
2	20	297.105	297.728	0.623
3	40	297.091	297.820	0.728
4	60	297.053	298.020	0.967
5	80	296.936	297.995	1.058
6	100	296.753	297.694	0.941
7	120	296.611	297.394	0.783
8	140	296.516	297.263	0.747
9	160	296.419	297.109	0.690
10	180	296.269	296.583	0.314
11	200	296.074	295.844	-0.230
12	220	295.947	295.431	-0.515
13	240	295.872	295.336	-0.536
14	260	295.781	295.305	-0.476
15	280	295.665	295.267	-0.398
16	300	295.500	295.247	-0.253
17	320	295.404	295.251	-0.153
18	340	295.496	295.259	-0.237
		Avg Deposited		0.754
		Avg Eroded		-0.350

Site: 33

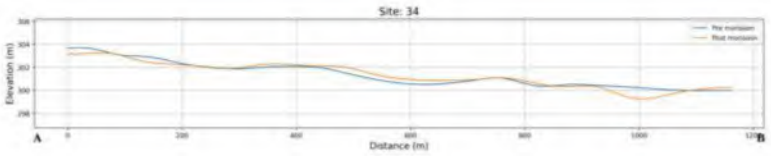




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	299.112	299.162	0.049
2	20	299.144	299.242	0.098
3	40	299.126	299.353	0.227
4	60	299.035	299.390	0.354
5	80	298.935	299.271	0.336
6	100	298.889	299.173	0.284
7	120	298.940	299.291	0.351
8	140	299.075	299.541	0.466
9	160	299.192	299.647	0.456
10	180	299.237	299.522	0.285
11	200	299.180	299.403	0.222
12	220	299.024	299.366	0.342
13	240	298.816	299.232	0.416
14	260	298.559	298.769	0.210
15	280	298.333	298.072	-0.261
16	300	298.278	297.690	-0.588
17	320	298.343	297.684	-0.658
		Avg Deposited		0.293
		Avg Eroded		-0.502

Site: 34

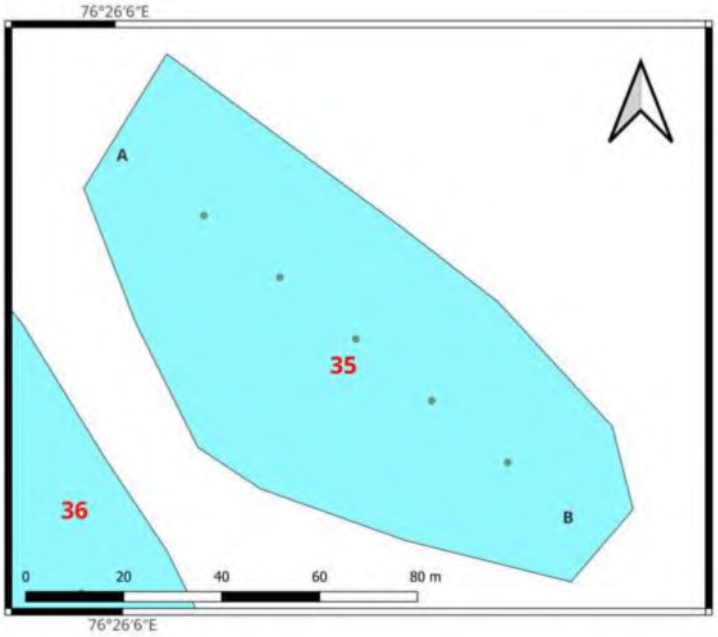


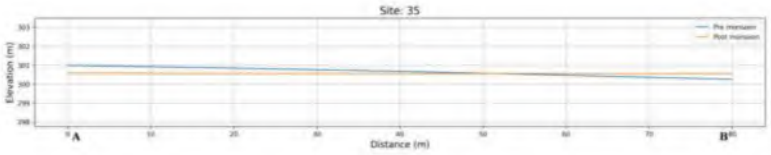


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	303.672	303.174	-0.498
2	20	303.698	303.186	-0.512
3	40	303.654	303.219	-0.435
4	60	303.450	303.264	-0.186
5	80	303.169	303.210	0.041
6	100	303.024	302.961	-0.063
7	120	302.988	302.659	-0.329
8	140	302.918	302.458	-0.460
9	160	302.779	302.346	-0.433
10	180	302.561	302.285	-0.276
11	200	302.324	302.234	-0.090
12	220	302.165	302.148	-0.016
13	240	302.057	302.025	-0.032
14	260	301.976	301.918	-0.058
15	280	301.898	301.886	-0.012
16	300	301.861	301.960	0.099
17	320	301.922	302.106	0.184
18	340	302.009	302.240	0.231
19	360	302.065	302.304	0.239
20	380	302.087	302.286	0.200
21	400	302.084	302.221	0.137
22	420	302.068	302.156	0.087
23	440	301.998	302.129	0.131
24	460	301.823	302.125	0.302

25	480	301.586	302.060	0.473
26	500	301.353	301.880	0.528
27	520	301.132	301.612	0.479
28	540	300.938	301.344	0.406
29	560	300.770	301.159	0.389
30	580	300.636	301.041	0.405
31	600	300.556	300.945	0.388
32	620	300.516	300.870	0.354
33	640	300.523	300.855	0.332
34	660	300.594	300.875	0.281
35	680	300.691	300.893	0.203
36	700	300.792	300.910	0.118
37	720	300.945	300.963	0.019
38	740	301.090	301.064	-0.026
39	760	301.073	301.101	0.029
40	780	300.885	301.012	0.127
41	800	300.609	300.828	0.219
42	820	300.389	300.611	0.223
43	840	300.357	300.436	0.080
44	860	300.447	300.338	-0.109
45	880	300.515	300.326	-0.190
46	900	300.502	300.381	-0.122
47	920	300.457	300.380	-0.076
48	940	300.409	300.166	-0.243
49	960	300.356	299.771	-0.585
50	980	300.303	299.413	-0.890
51	1000	300.240	299.243	-0.996
52	1020	300.155	299.285	-0.870
53	1040	300.083	299.488	-0.595
54	1060	300.038	299.735	-0.303
55	1080	300.003	299.926	-0.077
56	1100	299.983	300.066	0.083
57	1120	299.980	300.166	0.187
58	1140	299.985	300.213	0.228
59	1160	299.987	300.224	0.237
		Avg Deposited		0.232
		Avg Eroded		-0.314

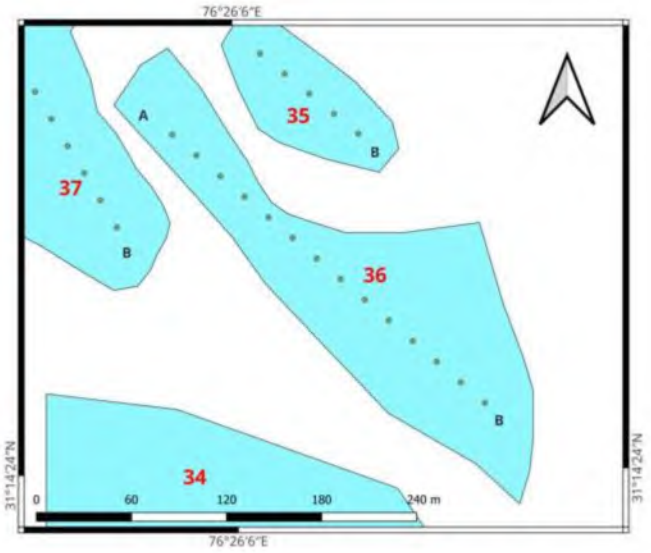
Site: 35

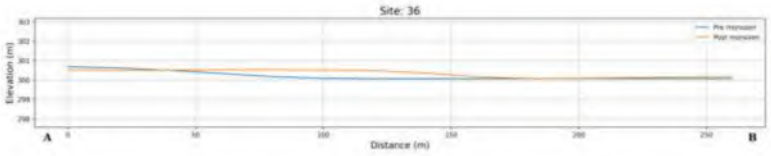




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	300.988	300.581	-0.408
2	20	300.846	300.573	-0.273
3	40	300.679	300.563	-0.115
4	60	300.471	300.557	0.086
5	80	300.255	300.556	0.302
		Avg Deposited		0.194
		Avg Eroded		-0.265

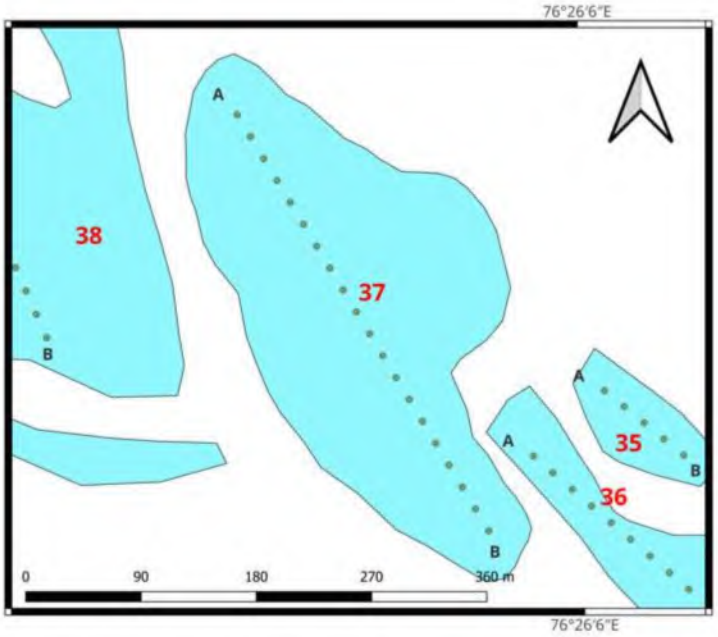
Site: 36

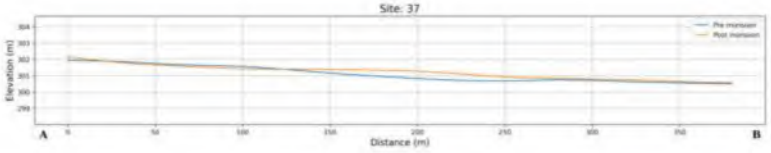




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	300.676	300.517	-0.158
2	20	300.615	300.506	-0.109
3	40	300.497	300.508	0.011
4	60	300.333	300.524	0.191
5	80	300.172	300.529	0.356
6	100	300.084	300.519	0.435
7	120	300.061	300.484	0.423
8	140	300.060	300.355	0.296
9	160	300.064	300.163	0.099
10	180	300.068	300.070	0.002
11	200	300.071	300.080	0.010
12	220	300.071	300.116	0.044
13	240	300.068	300.151	0.083
14	260	300.066	300.177	0.111
		Avg Deposited		0.172
		Avg Eroded		-0.134

Site: 37

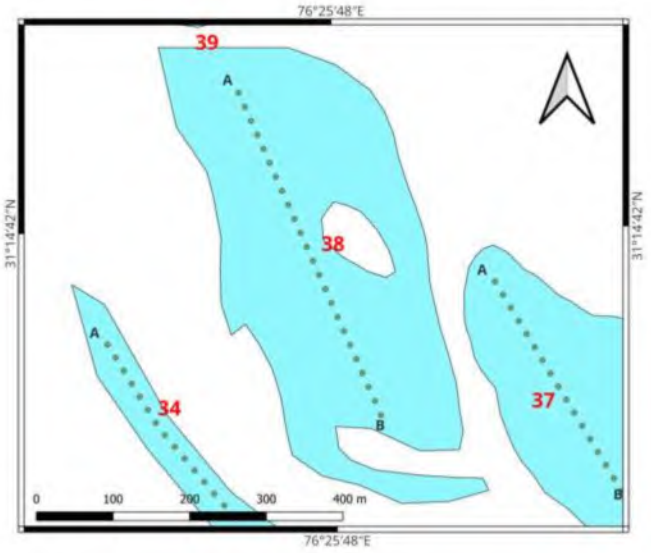


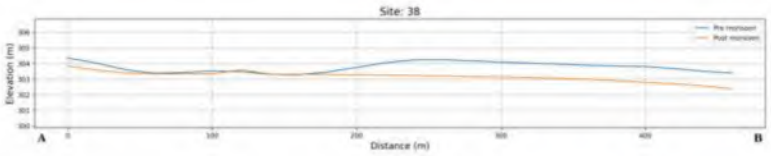


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	301.932	302.148	0.217
2	20	301.907	301.909	0.002
3	40	301.815	301.715	-0.100
4	60	301.690	301.610	-0.080
5	80	301.632	301.504	-0.127
6	100	301.568	301.423	-0.145
7	120	301.430	301.401	-0.029
8	140	301.250	301.397	0.147
9	160	301.085	301.374	0.289
10	180	300.951	301.336	0.385
11	200	300.830	301.280	0.450
12	220	300.730	301.157	0.427
13	240	300.672	300.984	0.312
14	260	300.693	300.881	0.188
15	280	300.749	300.836	0.087
16	300	300.716	300.797	0.080
17	320	300.645	300.752	0.107
18	340	300.591	300.683	0.092
19	360	300.539	300.610	0.071
20	380	300.506	300.576	0.069
		Avg Deposited		0.195

		Avg Eroded		-0.096

Site: 38



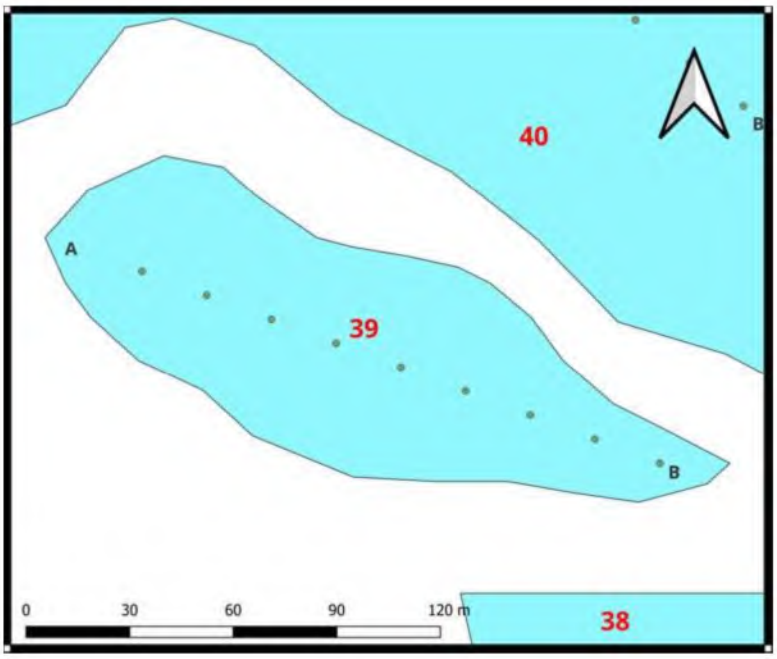


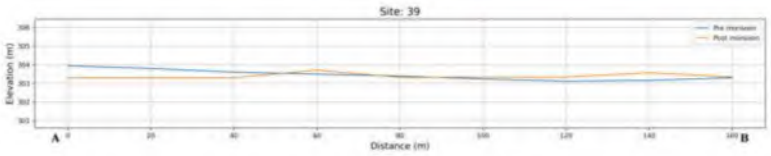
2181

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	304.350	303.835	-0.514
2	20	304.027	303.572	-0.455
3	40	303.599	303.390	-0.209
4	60	303.374	303.346	-0.028
5	80	303.427	303.339	-0.088
6	100	303.522	303.334	-0.187
7	120	303.481	303.602	-0.153
8	140	303.307	303.318	0.012
9	160	303.279	303.306	0.027
10	180	303.458	303.291	-0.166
11	200	303.748	303.274	-0.474
12	220	304.052	303.255	-0.797
13	240	304.234	303.232	-1.002
14	260	304.243	303.203	-1.040
15	280	304.166	303.170	-0.996
16	300	304.089	303.133	-0.956
17	320	304.023	303.095	-0.928
18	340	303.958	303.053	-0.905
19	360	303.886	302.992	-0.894
20	380	303.840	302.898	-0.942
21	400	303.800	302.790	-1.011
22	420	303.679	302.701	-0.978
23	440	303.505	302.570	-0.935
24	460	303.389	302.374	-1.016

		Avg Deposited		0.019
		Avg Eroded		-0.667

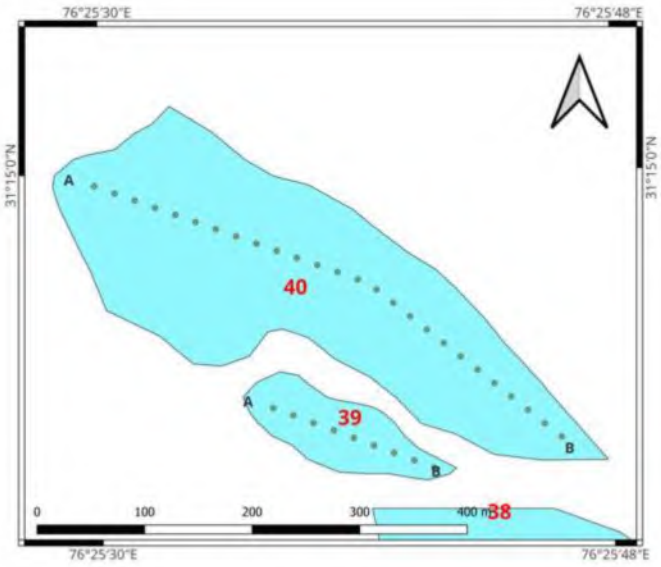
Site: 39

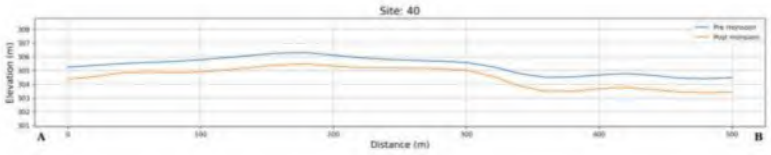




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	303.938	303.289	-0.649
2	20	303.792	303.294	-0.498
3	40	303.595	303.301	-0.294
4	60	303.487	303.700	-0.178
5	80	303.388	303.316	-0.072
6	100	303.228	303.324	0.096
7	120	303.104	303.330	0.226
8	140	303.153	303.563	0.182
9	160	303.296	303.339	0.042
		Avg Deposited		0.137
		Avg Eroded		-0.338

Site: 40



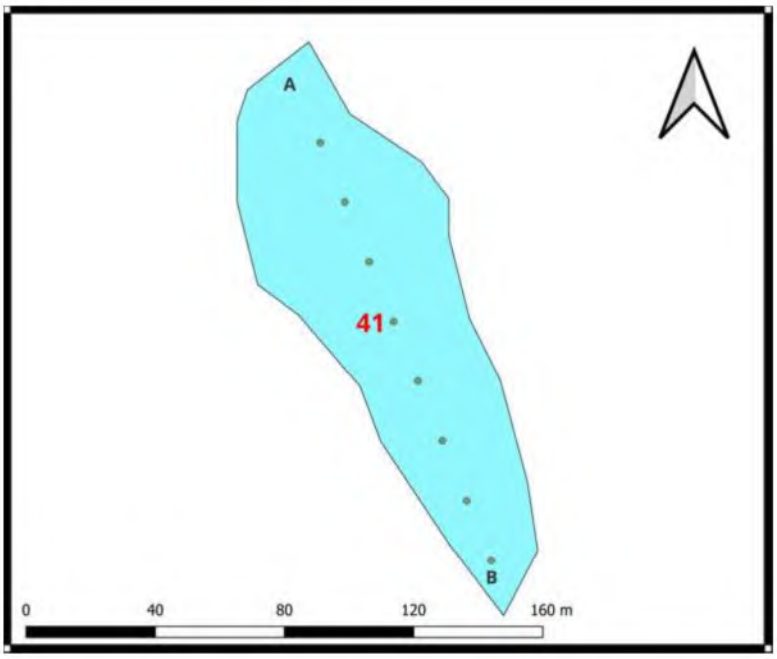


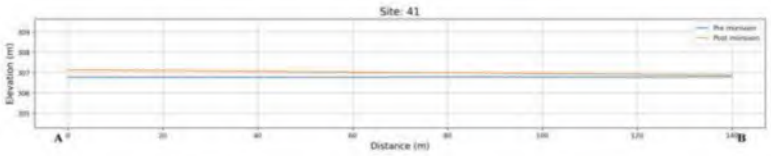
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	305.247	304.356	-0.891
2	20	305.370	304.550	-0.820
3	40	305.498	304.815	-0.683
4	60	305.581	304.885	-0.696
5	80	305.658	304.840	-0.818
6	100	305.776	304.891	-0.885
7	120	305.940	305.039	-0.900
8	140	306.115	305.239	-0.876
9	160	306.268	305.418	-0.850
10	180	306.293	305.483	-0.810
11	200	306.114	305.321	-0.793
12	220	305.922	305.198	-0.724
13	240	305.815	305.192	-0.623
14	260	305.739	305.153	-0.586
15	280	305.679	305.132	-0.547
16	300	305.575	305.015	-0.560
17	320	305.268	304.570	-0.697
18	340	304.776	303.870	-0.907
19	360	304.499	303.469	-1.030
20	380	304.525	303.488	-1.037
21	400	304.677	303.682	-0.995
22	420	304.774	303.758	-1.015
23	440	304.650	303.609	-1.041

2184

24	460	304.445	303.440	-1.005
25	480	304.397	303.396	-1.001
26	500	304.482	303.422	-1.059
		Avg Deposited		NA
		Avg Eroded		-0.840

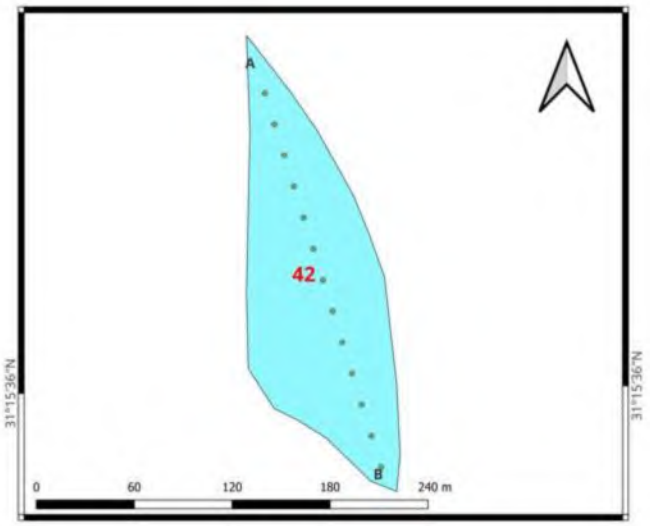
Site: 41

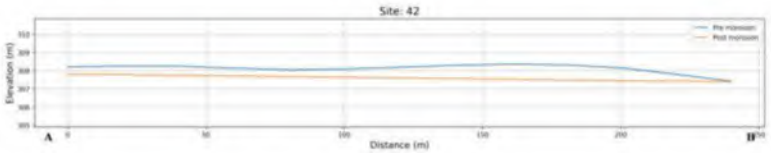




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	306.789	307.139	0.349
2	20	306.785	307.110	0.325
3	40	306.783	307.069	0.286
4	60	306.788	307.031	0.243
5	80	306.791	306.997	0.206
6	100	306.790	306.959	0.169
7	120	306.792	306.918	0.126
8	140	306.798	306.889	0.091
		Avg Deposited		0.224
		Avg Eroded		NA

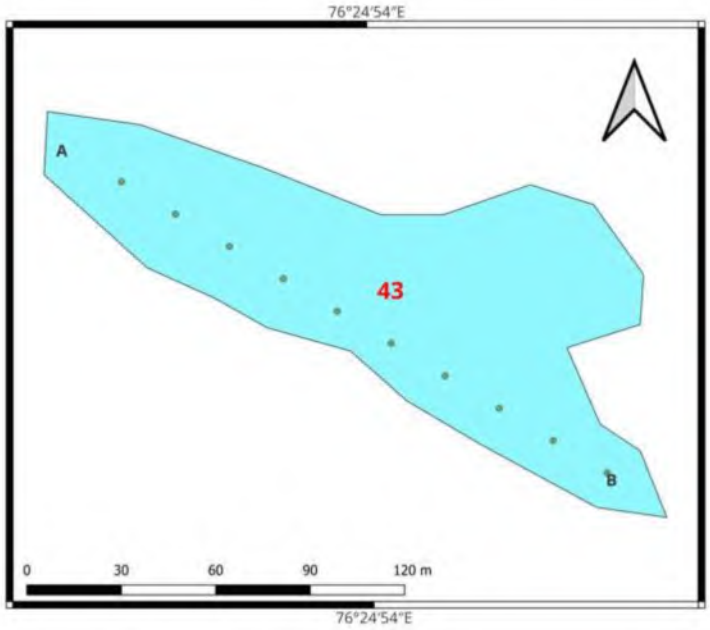
Site: 42

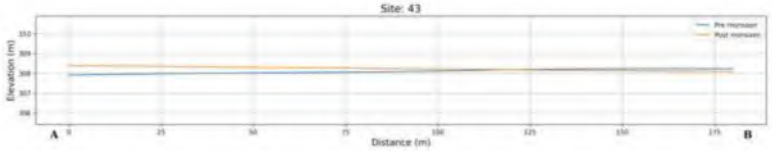




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	308.212	307.810	-0.402
2	20	308.259	307.787	-0.472
3	40	308.254	307.751	-0.503
4	60	308.136	307.713	-0.424
5	80	308.050	307.675	-0.375
6	100	308.087	307.638	-0.449
7	120	308.189	307.601	-0.588
8	140	308.296	307.563	-0.733
9	160	308.356	307.525	-0.831
10	180	308.318	307.486	-0.832
11	200	308.157	307.449	-0.707
12	220	307.806	307.419	-0.387
13	240	307.422	307.398	-0.025
		Avg Deposited		NA
		Avg Eroded		-0.518

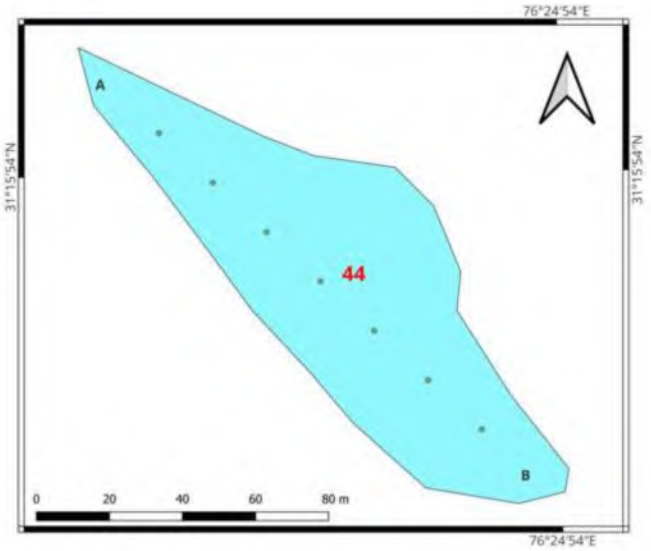
Site: 43

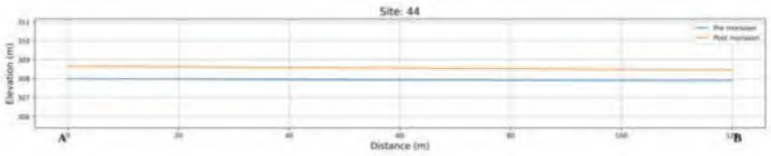




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	307.910	308.384	0.474
2	20	307.963	308.358	0.395
3	40	308.007	308.321	0.314
4	60	308.033	308.284	0.251
5	80	308.060	308.250	0.189
6	100	308.113	308.213	0.100
7	120	308.184	308.177	-0.006
8	140	308.223	308.143	-0.080
9	160	308.230	308.108	-0.121
10	180	308.229	308.084	-0.145
		Avg Deposited		0.287
		Avg Eroded		-0.088

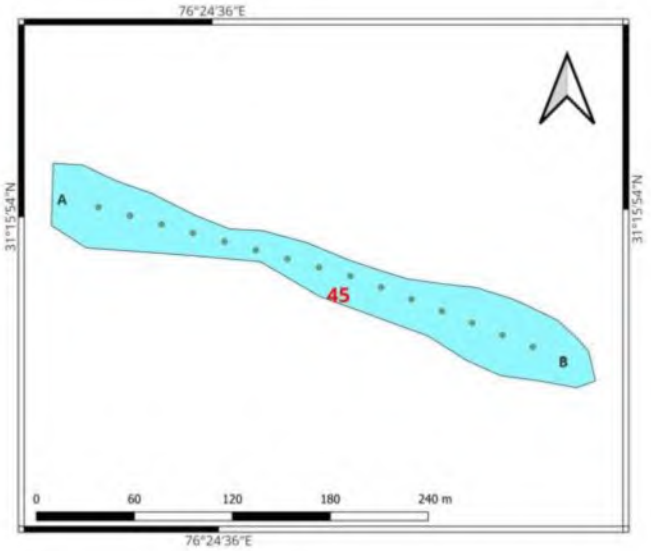
Site: 44

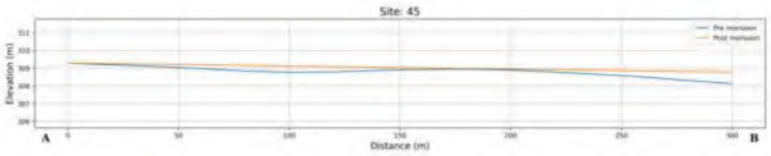




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	307.994	308.654	0.660
2	20	307.975	308.630	0.655
3	40	307.952	308.596	0.644
4	60	307.931	308.560	0.629
5	80	307.913	308.526	0.613
6	100	307.900	308.494	0.594
7	120	307.893	308.471	0.578
		Avg Deposited		0.625
		Avg Eroded		NA

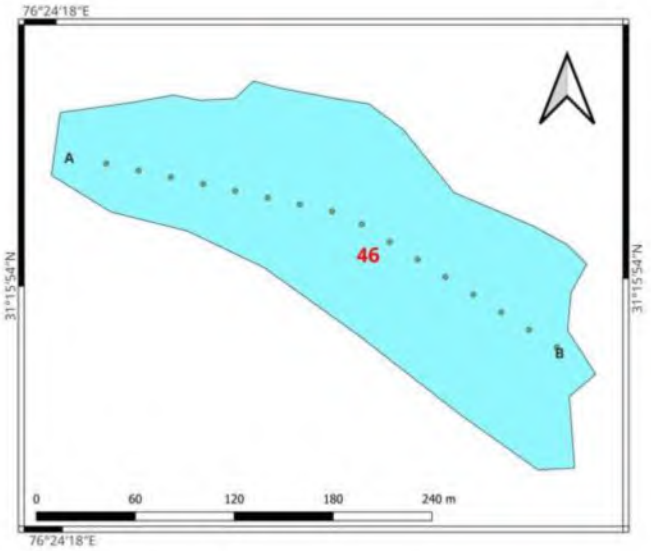
Site: 45

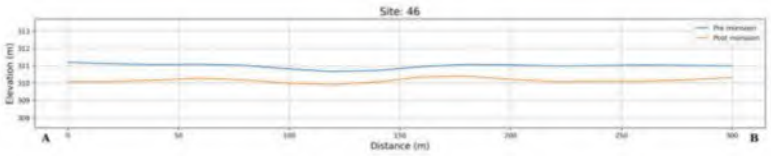




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	309.277	309.279	0.002
2	20	309.190	309.257	0.068
3	40	309.095	309.225	0.130
4	60	308.980	309.191	0.211
5	80	308.841	309.156	0.315
6	100	308.764	309.121	0.357
7	120	308.790	309.086	0.296
8	140	308.869	309.050	0.181
9	160	308.931	309.013	0.082
10	180	308.950	308.977	0.027
11	200	308.893	308.944	0.051
12	220	308.778	308.913	0.135
13	240	308.649	308.879	0.230
14	260	308.505	308.844	0.339
15	280	308.307	308.809	0.502
16	300	308.125	308.784	0.659
		Avg Deposited		0.224
		Avg Eroded		NA

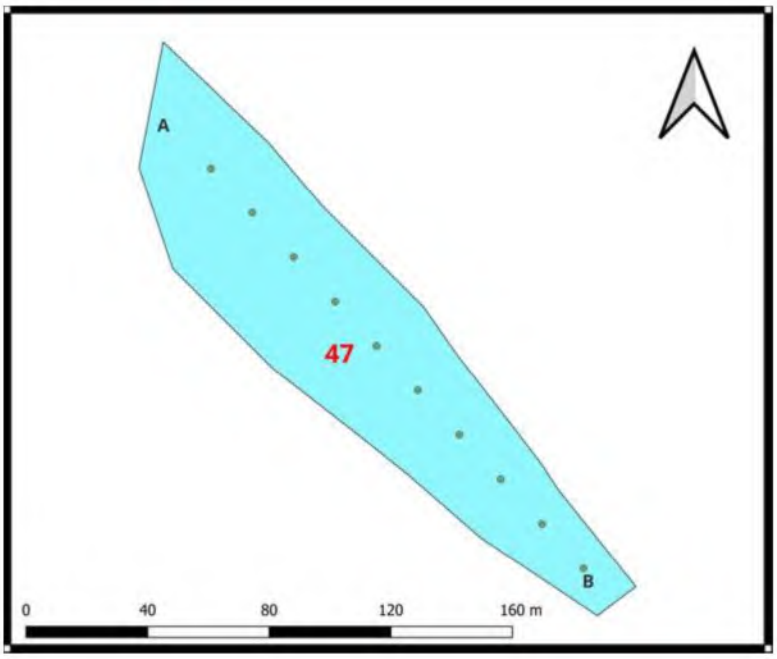
Site: 46

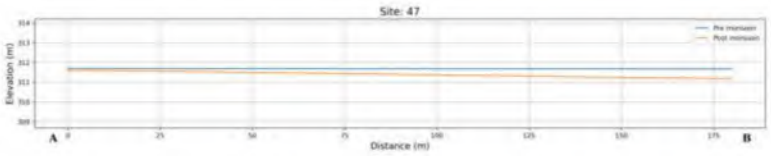




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	311.195	310.075	-1.119
2	20	311.113	310.079	-1.034
3	40	311.066	310.169	-0.897
4	60	311.084	310.275	-0.809
5	80	311.014	310.177	-0.836
6	100	310.815	309.980	-0.834
7	120	310.659	309.908	-0.751
8	140	310.725	310.068	-0.657
9	160	310.946	310.351	-0.594
10	180	311.072	310.401	-0.672
11	200	311.043	310.207	-0.835
12	220	310.984	310.080	-0.904
13	240	311.006	310.094	-0.912
14	260	311.034	310.102	-0.933
15	280	311.014	310.187	-0.827
16	300	310.989	310.313	-0.676
		Avg Deposited		NA
		Avg Eroded		-0.831

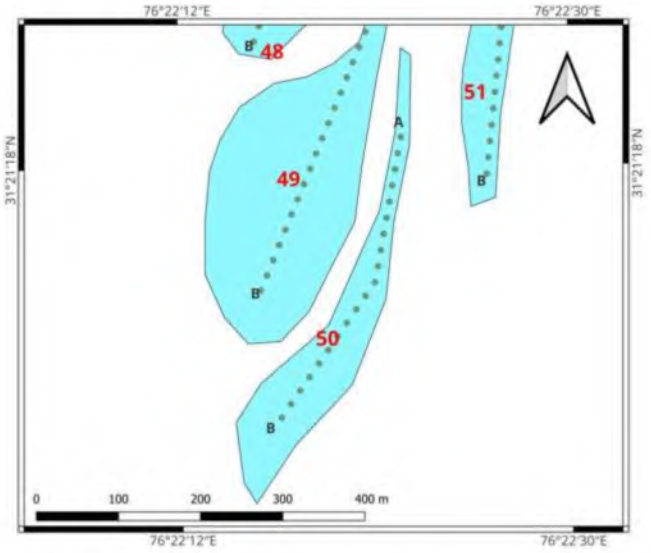
Site: 47

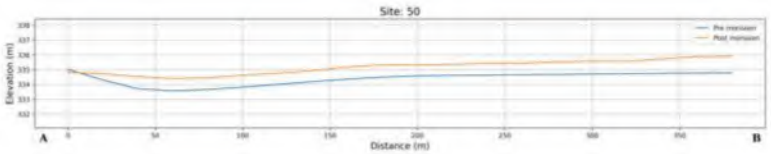




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	311.694	311.596	-0.098
2	20	311.692	311.566	-0.125
3	40	311.688	311.521	-0.168
4	60	311.684	311.469	-0.215
5	80	311.683	311.420	-0.263
6	100	311.681	311.370	-0.310
7	120	311.677	311.318	-0.360
8	140	311.672	311.264	-0.408
9	160	311.668	311.214	-0.453
10	180	311.666	311.181	-0.485
		Avg Deposited		NA
		Avg Eroded		-0.288

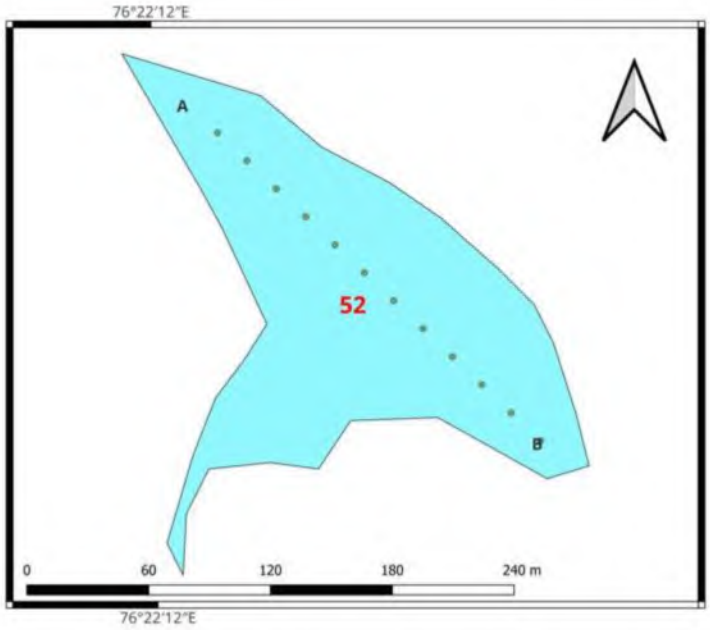
Site: 50

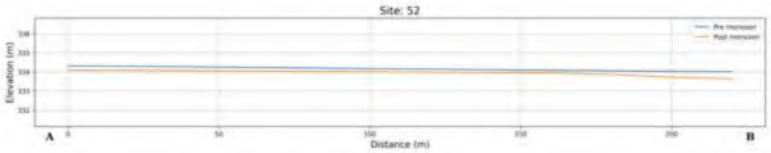




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	335.018	334.815	-0.202
2	20	334.301	334.723	0.422
3	40	333.710	334.531	0.821
4	60	333.567	334.393	0.826
5	80	333.655	334.447	0.792
6	100	333.813	334.629	0.816
7	120	334.002	334.750	0.749
8	140	334.190	334.931	0.741
9	160	334.356	335.180	0.824
10	180	334.495	335.330	0.835
11	200	334.581	335.312	0.731
12	220	334.612	335.356	0.744
13	240	334.628	335.427	0.799
14	260	334.652	335.428	0.776
15	280	334.676	335.526	0.851
16	300	334.698	335.573	0.875
17	320	334.719	335.563	0.843
18	340	334.746	335.722	0.977
19	360	334.769	335.875	1.106
20	380	334.777	335.915	1.138
		Avg Deposited		0.824
		Avg Eroded		-0.202

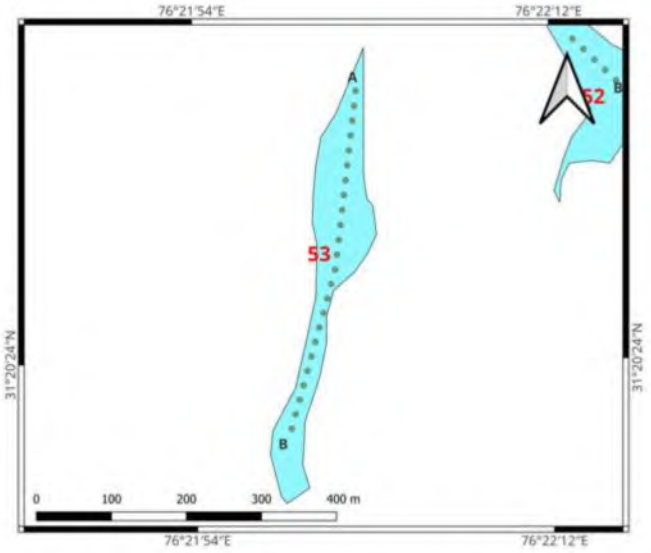
Site: 52

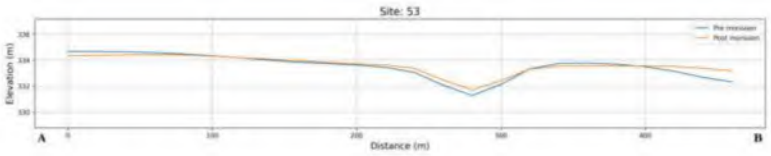




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	334.319	334.091	-0.229
2	20	334.302	334.081	-0.221
3	40	334.273	334.066	-0.207
4	60	334.240	334.051	-0.189
5	80	334.207	334.037	-0.170
6	100	334.176	334.019	-0.157
7	120	334.148	333.995	-0.153
8	140	334.121	333.972	-0.149
9	160	334.091	333.952	0.235
10	180	334.062	333.873	-0.189
11	200	334.037	333.730	-0.307
12	220	334.020	333.641	-0.380
		Avg Deposited		NA
		Avg Eroded		-0.207

Site: 53

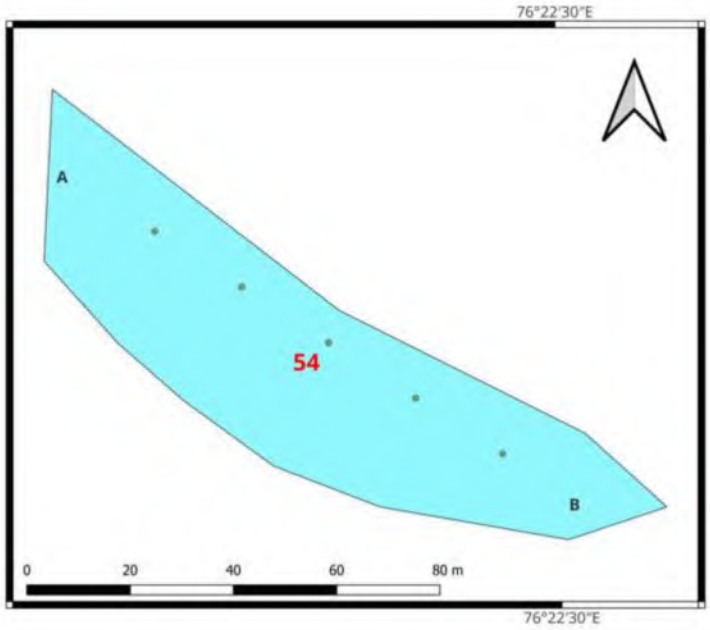


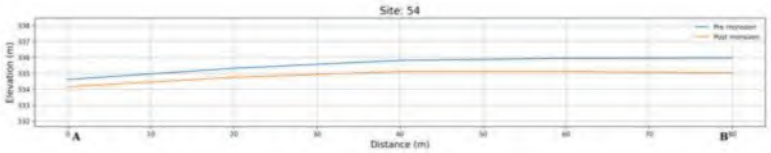


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	334.669	334.343	-0.326
2	20	334.661	334.360	-0.301
3	40	334.639	334.395	-0.245
4	60	334.583	334.428	-0.155
5	80	334.478	334.410	-0.068
6	100	334.337	334.313	-0.024
7	120	334.176	334.185	0.009
8	140	333.997	334.076	0.079
9	160	333.840	333.958	0.118
10	180	333.738	333.823	0.084
11	200	333.629	333.708	0.079
12	220	333.446	333.632	0.186
13	240	333.054	333.377	0.323
14	260	332.073	332.467	0.393
15	280	331.283	331.707	0.424
16	300	332.137	332.432	0.295
17	320	333.332	333.308	-0.024
18	340	333.749	333.539	-0.211
19	360	333.780	333.557	-0.222
20	380	333.691	333.557	-0.135
21	400	333.496	333.553	0.057
22	420	333.144	333.520	0.376
23	440	332.672	333.376	0.704
24	460	332.332	333.168	0.836

		Avg Deposited		0.283
		Avg Eroded		-0.171

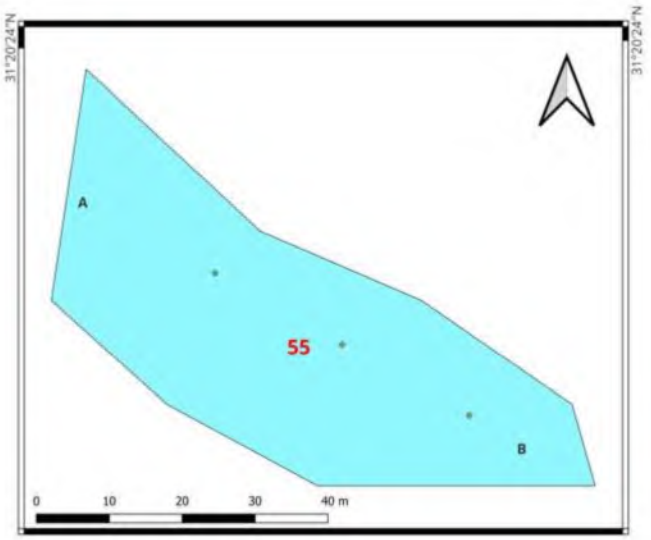
Site: 54

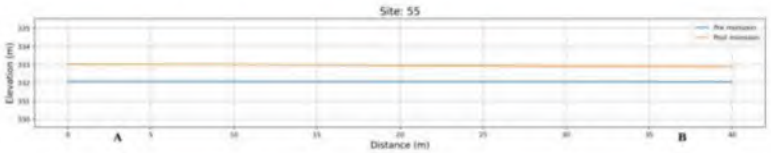




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	334.616	334.161	-0.456
2	20	335.319	334.750	-0.569
3	40	335.815	335.116	-0.698
4	60	335.944	335.119	-0.825
5	80	335.966	335.035	-0.931
		Avg Deposited		NA
		Avg Eroded		-0.696

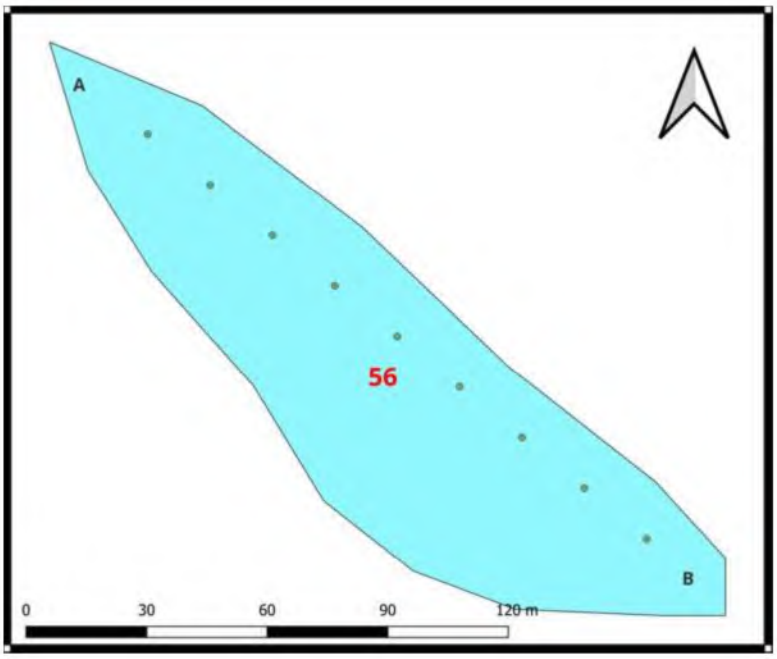
Site: 55

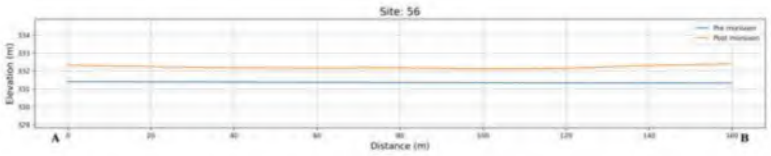




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	332.083	333.029	0.945
2	20	332.071	332.955	0.884
3	40	332.057	332.873	0.815
		Avg Deposited		0.881
		Avg Eroded		NA

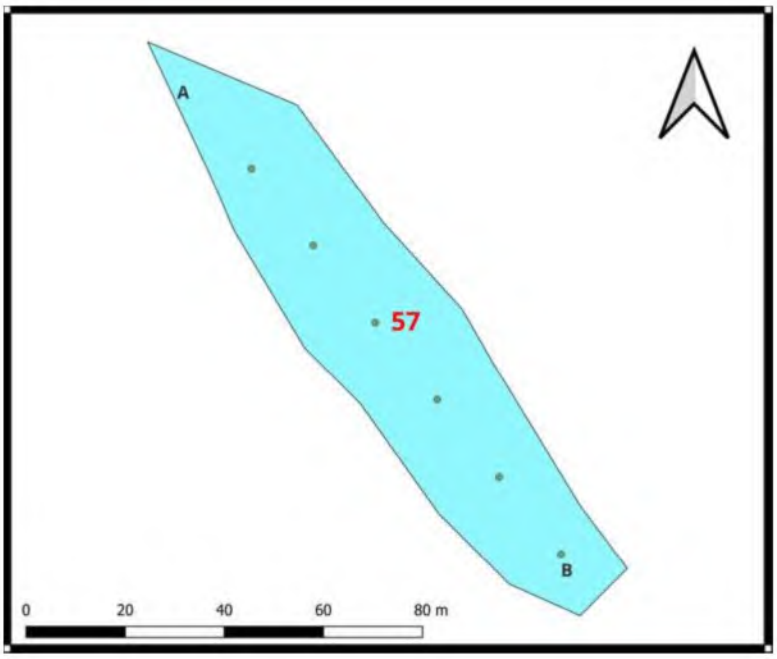
Site: 56

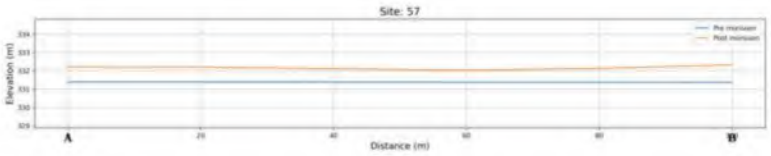




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	331.397	332.316	0.919
2	20	331.389	332.243	0.854
3	40	331.377	332.175	0.797
4	60	331.364	332.156	0.791
5	80	331.352	332.175	0.822
6	100	331.341	332.116	0.776
7	120	331.329	332.146	0.817
8	140	331.319	332.304	0.985
9	160	331.313	332.394	1.081
		Avg Deposited		0.871
		Avg Eroded		NA

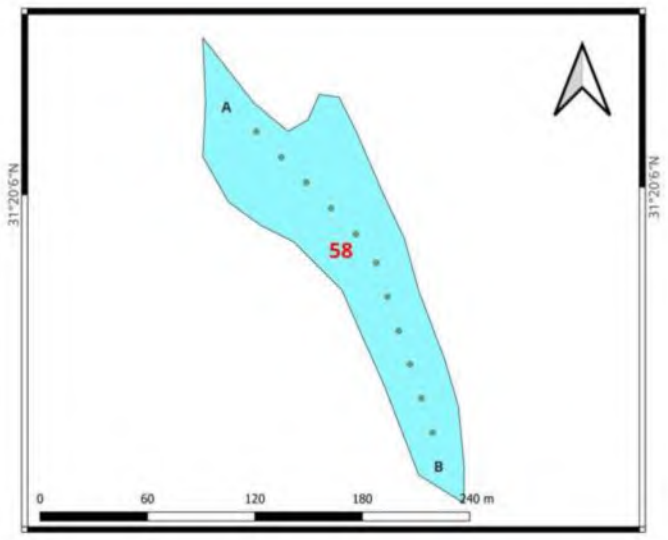
Site: 57

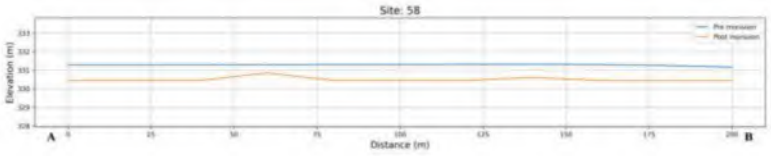




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	331.387	332.218	0.830
2	20	331.385	332.203	0.818
3	40	331.382	332.111	0.728
4	60	331.379	332.031	0.652
5	80	331.376	332.129	0.753
6	100	331.374	332.323	0.949
		Avg Deposited		0.788
		Avg Eroded		NA

Site: 58

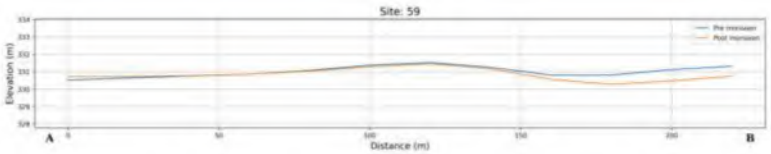




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	331.289	330.450	-0.838
2	20	331.291	330.450	-0.842
3	40	331.296	330.449	-0.847
4	60	331.300	330.854	-0.440
5	80	331.304	330.447	-0.857
6	100	331.308	330.446	-0.862
7	120	331.312	330.446	-0.867
8	140	331.316	330.612	-0.768
9	160	331.307	330.444	-0.862
10	180	331.251	330.444	-0.808
11	200	331.169	330.443	-0.726
		Avg Deposited		NA
		Avg Eroded		-0.839

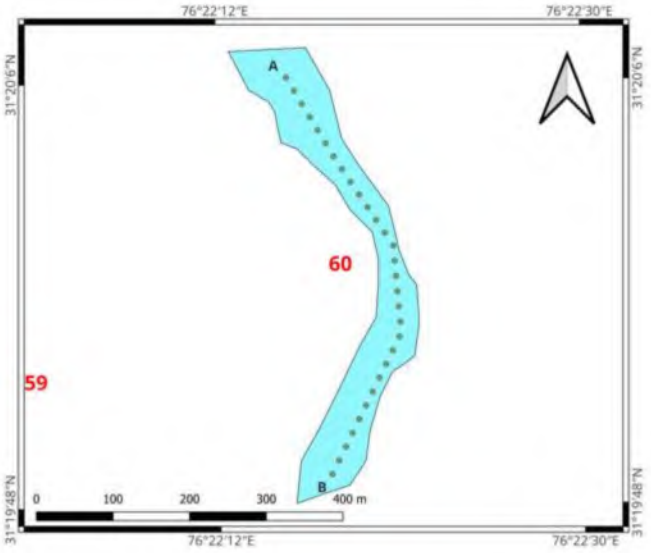
Site: 59

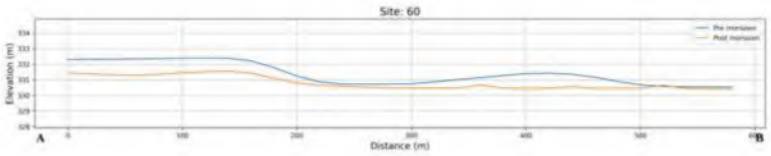




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	330.510	330.707	0.198
2	20	330.640	330.726	0.086
3	40	330.747	330.767	0.020
4	60	330.852	330.858	0.006
5	80	331.071	331.032	-0.039
6	100	331.371	331.281	-0.090
7	120	331.524	331.449	-0.075
8	140	331.250	331.164	-0.086
9	160	330.800	330.558	-0.243
10	180	330.802	330.269	-0.534
11	200	331.117	330.468	-0.649
12	220	331.311	330.748	-0.563
		Avg Deposited		0.077
		Avg Eroded		-0.285

Site: 60



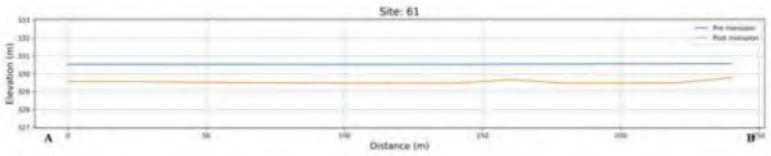


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	332.310	331.443	-0.867
2	20	332.318	331.376	-0.943
3	40	332.328	331.319	-1.008
4	60	332.337	331.291	-1.045
5	80	332.354	331.351	-1.003
6	100	332.376	331.443	-0.933
7	120	332.395	331.512	-0.882
8	140	332.378	331.553	-0.825
9	160	332.210	331.427	-0.783
10	180	331.785	331.093	-0.692
11	200	331.236	330.784	-0.452
12	220	330.860	330.646	-0.214
13	240	330.723	330.582	-0.141
14	260	330.706	330.516	-0.190
15	280	330.711	330.476	-0.235
16	300	330.745	330.464	-0.282
17	320	330.866	330.460	-0.406
18	340	331.008	330.457	-0.550
19	360	331.133	330.679	-0.678
20	380	331.270	330.453	-0.817
21	400	331.388	330.452	-0.937
22	420	331.421	330.451	-0.970
23	440	331.348	330.556	-0.898
24	460	331.166	330.450	-0.716

25	480	330.890	330.450	-0.440
26	500	330.677	330.450	-0.226
27	520	330.580	330.650	-0.131
28	540	330.544	330.438	-0.106
29	560	330.533	330.421	-0.112
30	580	330.531	330.411	-0.120
		Avg Deposited		NA
		Avg Eroded		-0.587

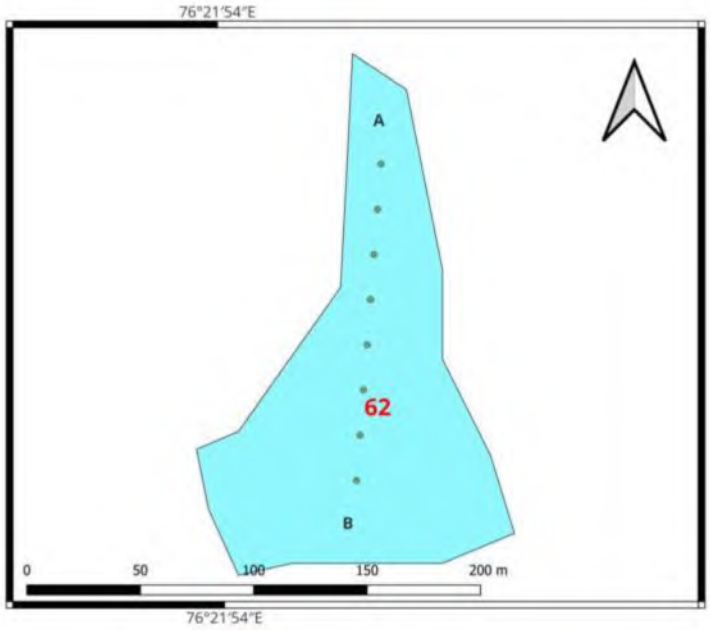
Site: 61

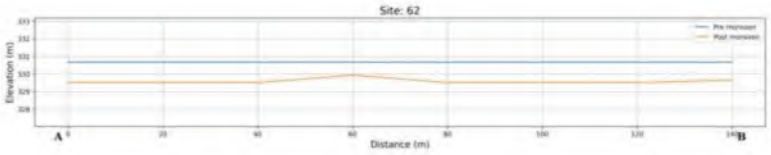




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	330.525	329.571	-0.955
2	20	330.526	329.557	-0.968
3	40	330.526	329.533	-0.992
4	60	330.526	329.504	-1.021
5	80	330.526	329.484	-1.042
6	100	330.527	329.473	-1.054
7	120	330.529	329.467	-1.062
8	140	330.531	329.462	-1.069
9	160	330.535	329.670	-0.717
10	180	330.540	329.466	-1.074
11	200	330.546	329.472	-1.074
12	220	330.552	329.477	-1.075
13	240	330.556	329.777	-0.917
		Avg Deposited		NA
		Avg Eroded		-1.041

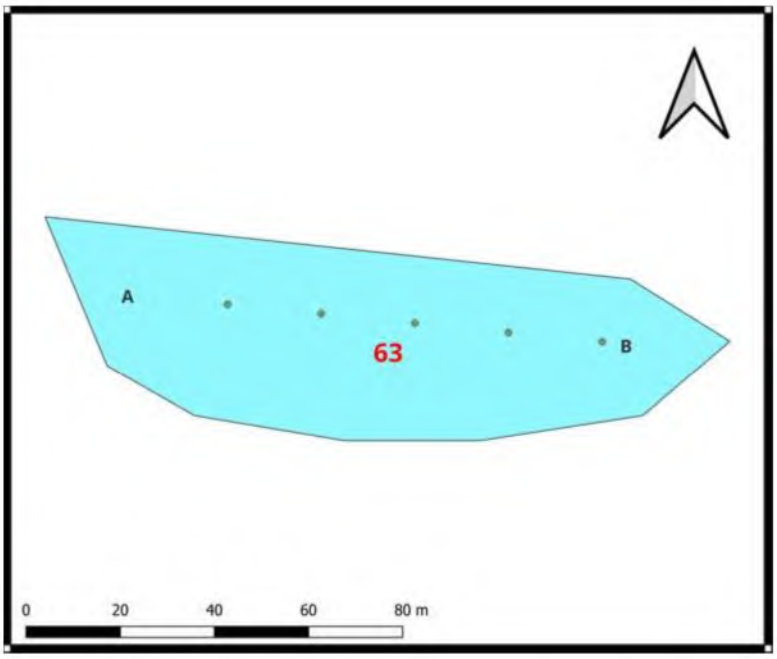
Site: 62

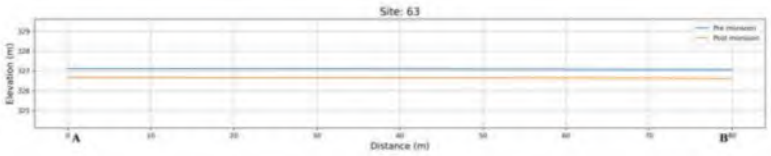




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	330.674	329.513	-1.162
2	20	330.675	329.512	-1.163
3	40	330.676	329.511	-1.165
4	60	330.675	329.935	-0.717
5	80	330.672	329.509	-1.163
6	100	330.671	329.510	-1.161
7	120	330.672	329.511	-1.161
8	140	330.673	329.651	-1.033
		Avg Deposited		NA
		Avg Eroded		-1.163

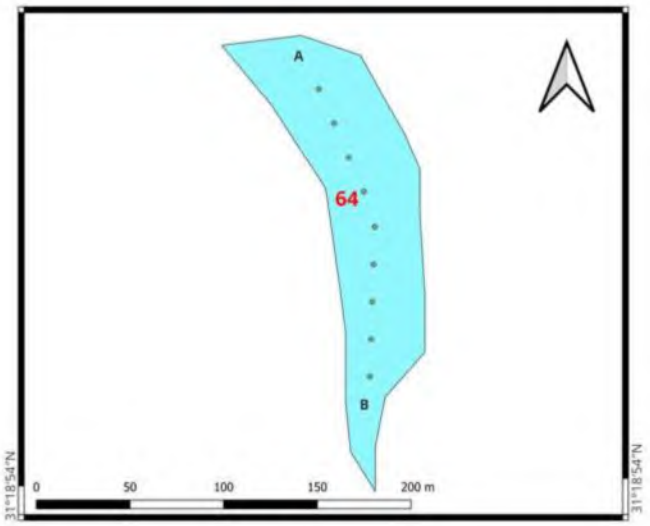
Site: 63

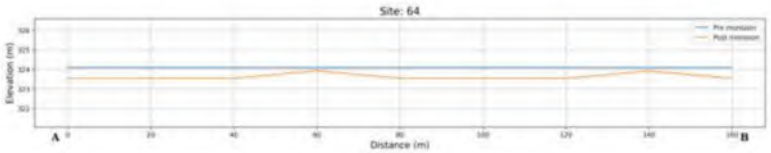




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	327.114	326.674	-0.440
2	20	327.107	326.666	-0.441
3	40	327.096	326.650	-0.446
4	60	327.081	326.628	-0.099
5	80	327.066	326.614	-0.451
		Avg Deposited		NA
		Avg Eroded		-0.446

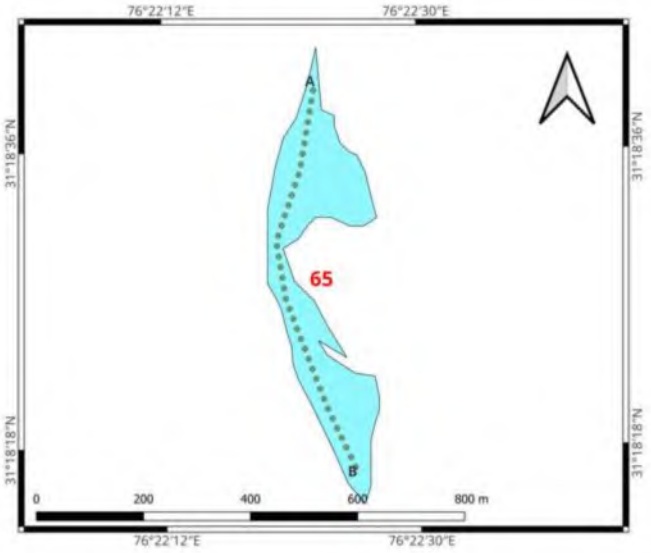
Site: 64

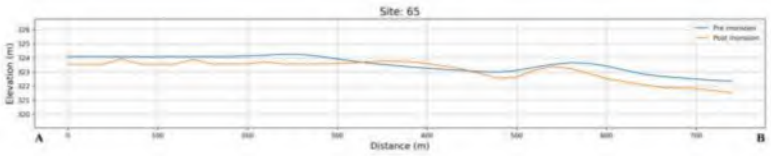




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	324.098	323.543	-0.555
2	20	324.097	323.543	-0.555
3	40	324.097	323.543	-0.554
4	60	324.097	323.931	-0.428
5	80	324.096	323.544	-0.553
6	100	324.096	323.544	-0.552
7	120	324.096	323.544	-0.552
8	140	324.096	323.918	-0.098
9	160	324.096	323.544	-0.552
		Avg Deposited		NA
		Avg Eroded		-0.553

Site: 65

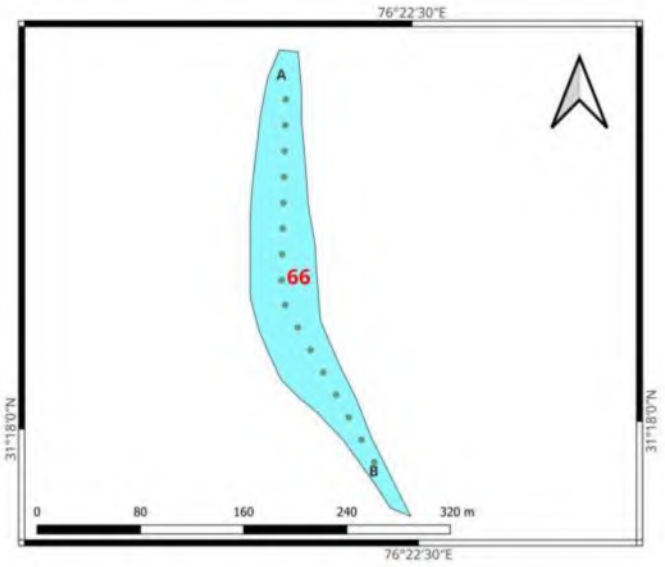


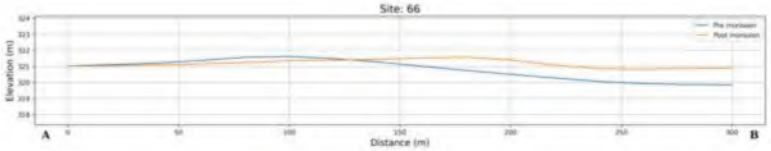


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	324.086	323.554	-0.532
2	20	324.085	323.554	-0.531
3	40	324.085	323.555	-0.530
4	60	324.085	323.930	-0.105
5	80	324.084	323.556	-0.528
6	100	324.084	323.557	-0.527
7	120	324.084	323.558	-0.526
8	140	324.085	323.890	-0.237
9	160	324.088	323.561	-0.528
10	180	324.099	323.562	-0.537
11	200	324.128	323.563	-0.565
12	220	324.186	323.719	-0.623
13	240	324.252	323.563	-0.688
14	260	324.239	323.564	-0.675
15	280	324.105	323.567	-0.538
16	300	323.922	323.589	-0.333
17	320	323.745	323.650	-0.095
18	340	323.596	323.735	0.139
19	360	323.478	323.776	0.298
20	380	323.367	323.727	0.359
21	400	323.263	323.597	0.334
22	420	323.177	323.418	0.241
23	440	323.100	323.194	0.093
24	460	323.020	322.872	-0.147

25	480	322.988	322.546	-0.442
26	500	323.104	322.637	-0.467
27	520	323.327	323.129	-0.198
28	540	323.529	323.390	-0.139
29	560	323.653	323.238	-0.415
30	580	323.617	322.897	-0.720
31	600	323.419	322.532	-0.888
32	620	323.134	322.303	-0.831
33	640	322.857	322.109	-0.748
34	660	322.689	321.913	-0.777
35	680	322.598	321.853	-0.745
36	700	322.495	321.813	-0.682
37	720	322.395	321.664	-0.731
38	740	322.350	321.530	-0.820
		Avg Deposited		0.244
		Avg Eroded		-0.549

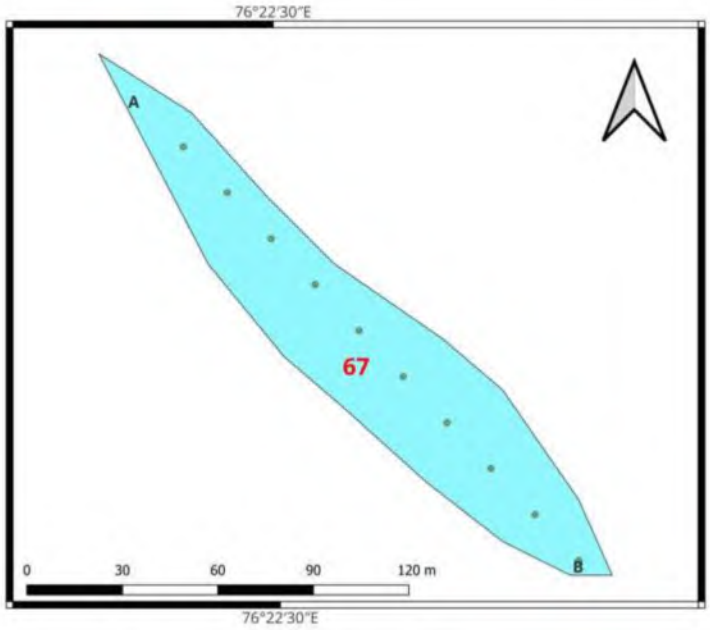
Site: 66

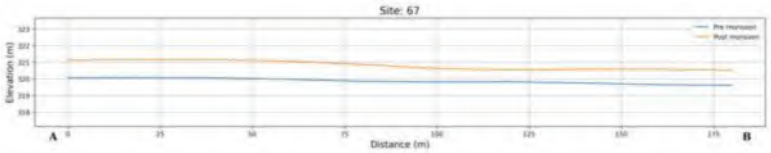




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	321.031	321.021	-0.010
2	20	321.106	321.050	-0.056
3	40	321.209	321.100	-0.109
4	60	321.371	321.150	-0.221
5	80	321.565	321.244	-0.321
6	100	321.618	321.351	-0.267
7	120	321.488	321.393	-0.096
8	140	321.274	321.436	0.162
9	160	321.008	321.522	0.513
10	180	320.744	321.560	0.815
11	200	320.508	321.407	0.899
12	220	320.275	321.081	0.805
13	240	320.064	320.861	0.796
14	260	319.926	320.842	0.916
15	280	319.871	320.876	1.005
16	300	319.856	320.891	1.034
		Avg Deposited		0.772
		Avg Eroded		-0.154

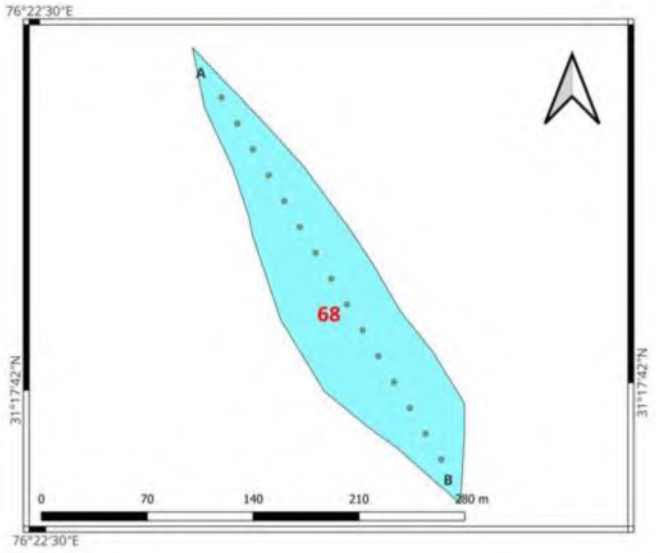
Site: 67

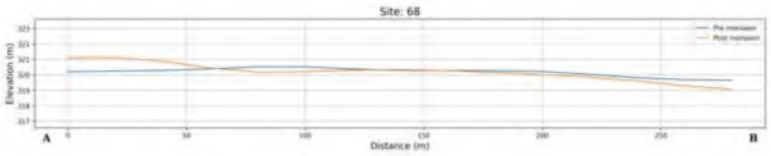




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	320.084	321.134	1.050
2	20	320.093	321.172	1.079
3	40	320.071	321.168	1.097
4	60	319.983	321.073	1.090
5	80	319.861	320.875	1.014
6	100	319.815	320.635	0.820
7	120	319.831	320.540	0.709
8	140	319.760	320.591	0.831
9	160	319.660	320.598	0.937
10	180	319.632	320.522	0.890
		Avg Deposited		0.952
		Avg Eroded		NA

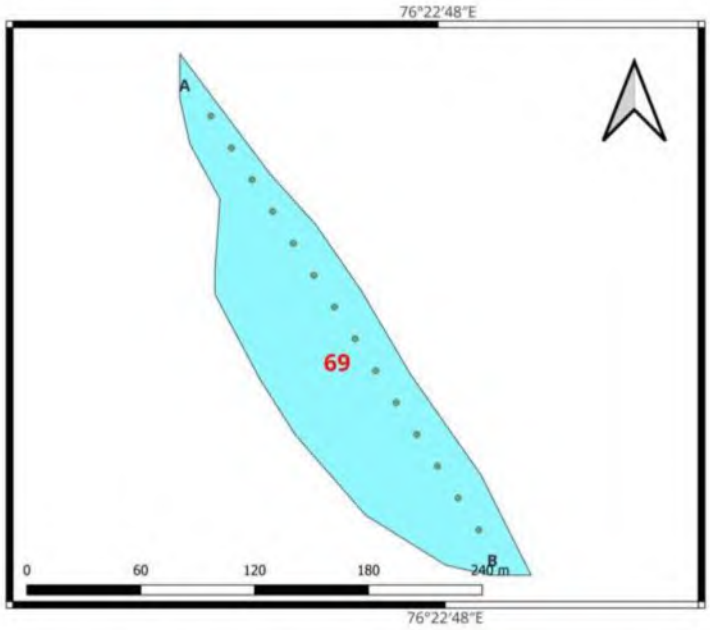
Site: 68

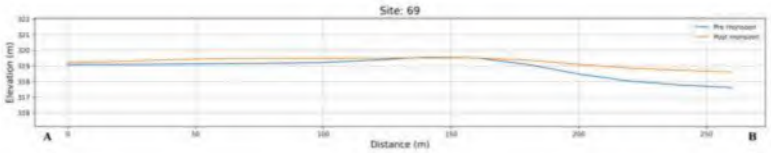




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	320.194	321.098	0.905
2	20	320.251	321.116	0.865
3	40	320.284	320.887	0.603
4	60	320.387	320.446	0.059
5	80	320.528	320.183	-0.345
6	100	320.516	320.206	-0.310
7	120	320.379	320.306	-0.073
8	140	320.288	320.333	0.045
9	160	320.279	320.273	-0.006
10	180	320.278	320.159	-0.119
11	200	320.214	320.016	-0.198
12	220	320.033	319.849	-0.184
13	240	319.812	319.605	-0.207
14	260	319.686	319.293	-0.393
15	280	319.654	319.064	-0.590
		Avg Deposited		0.495
		Avg Eroded		-0.242

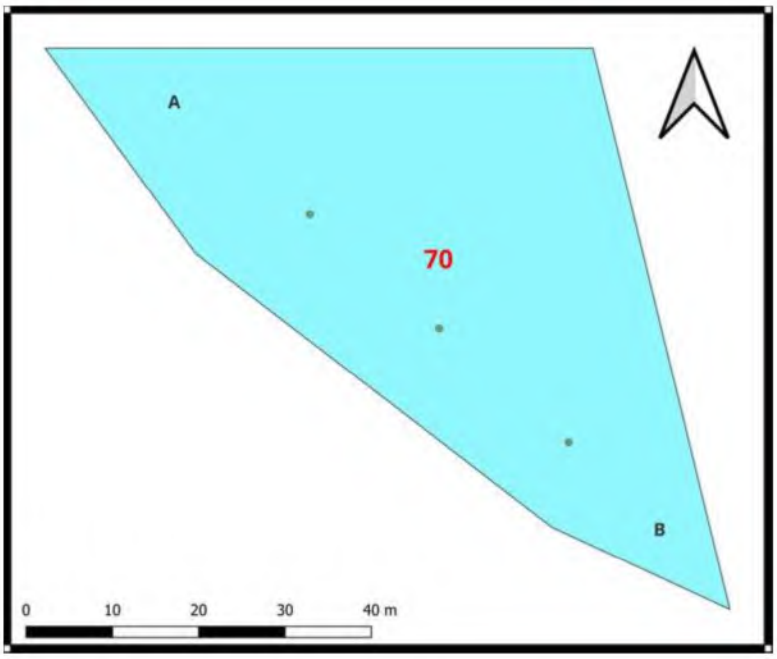
Site: 69

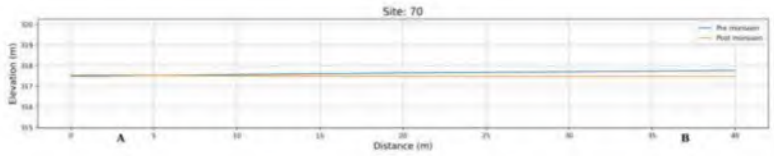




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	319.083	319.205	0.122
2	20	319.091	319.284	0.194
3	40	319.113	319.400	0.287
4	60	319.146	319.466	0.320
5	80	319.168	319.480	0.312
6	100	319.215	319.483	0.268
7	120	319.368	319.492	0.124
8	140	319.560	319.518	-0.042
9	160	319.511	319.511	-0
10	180	319.086	319.369	0.283
11	200	318.476	319.100	0.624
12	220	318.023	318.850	0.827
13	240	317.770	318.719	0.949
14	260	317.611	318.608	0.997
		Avg Deposited		0.442
		Avg Eroded		-0.021

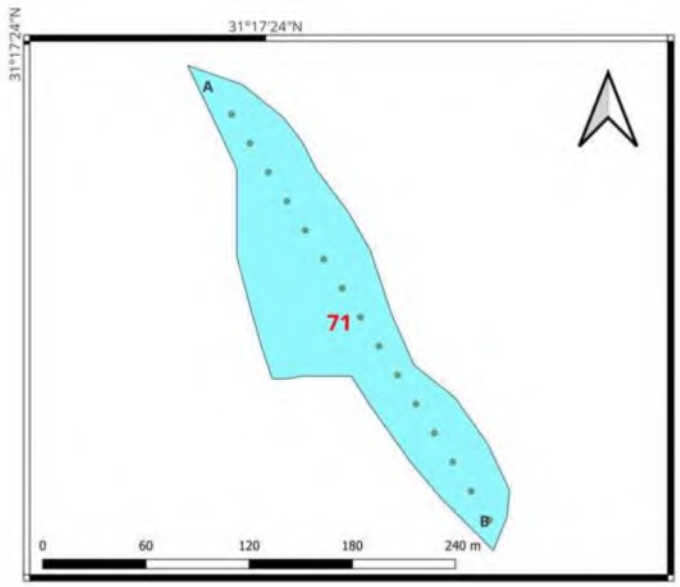
Site: 70

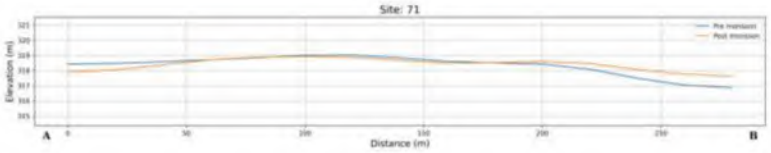




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	317.481	317.545	0.064
2	20	317.644	317.467	-0.176
3	40	317.763	317.468	-0.295
		Avg Deposited		0.064
		Avg Eroded		-0.235

Site: 71

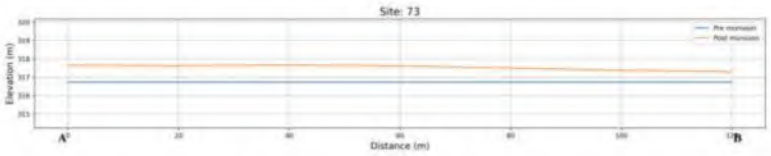




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	318.420	317.885	-0.535
2	20	318.465	318.040	-0.425
3	40	318.572	318.362	-0.210
4	60	318.703	318.707	0.004
5	80	318.839	318.873	0.033
6	100	318.993	318.926	-0.067
7	120	319.015	318.868	-0.147
8	140	318.823	318.663	-0.160
9	160	318.600	318.495	-0.106
10	180	318.503	318.516	0.012
11	200	318.415	318.590	0.175
12	220	318.081	318.449	0.368
13	240	317.485	318.065	0.581
14	260	317.034	317.750	0.717
15	280	316.858	317.623	0.766
		Avg Deposited		0.332
		Avg Eroded		-0.236

Site: 73

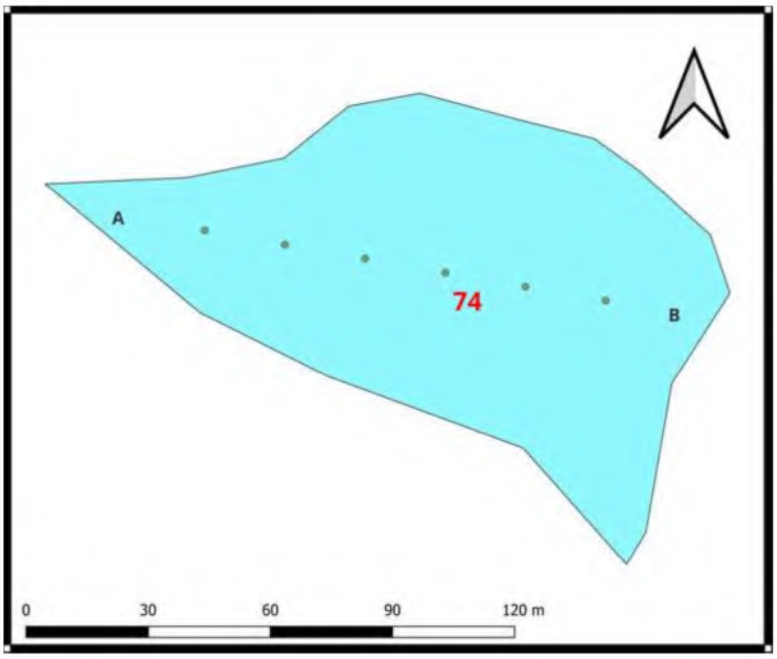


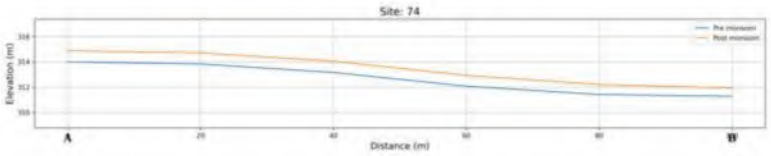


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	316.728	317.647	0.920
2	20	316.728	317.622	0.895
3	40	316.727	317.665	0.938
4	60	316.727	317.617	0.890
5	80	316.727	317.492	0.765
6	100	316.727	317.377	0.650
7	120	316.727	317.297	0.570
		Avg Deposited		0.804
		Avg Eroded		NA

22117

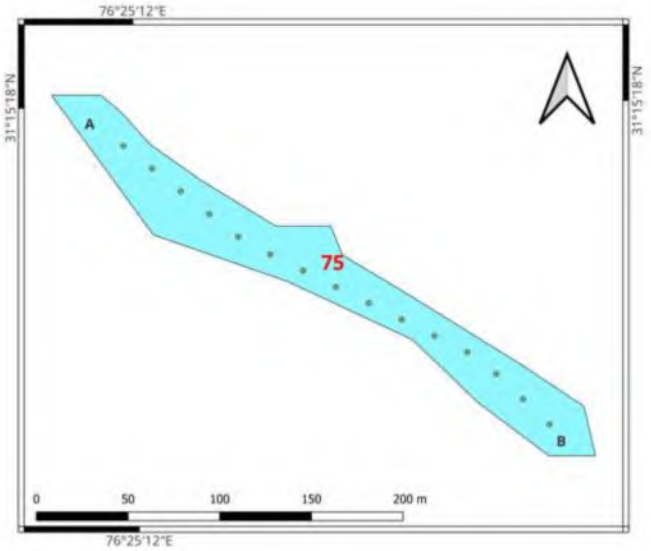
Site: 74

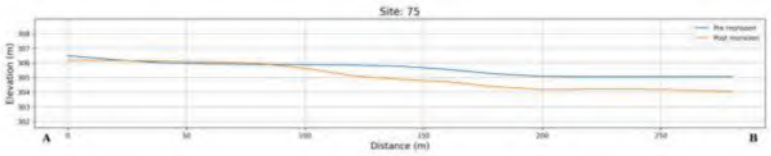




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	313.984	314.874	0.890
2	20	313.824	314.701	0.877
3	40	313.152	314.040	0.887
4	60	312.064	312.922	0.858
5	80	311.407	312.196	0.789
6	100	311.261	311.921	0.660
		Avg Deposited		0.827
		Avg Eroded		NA

Site: 75

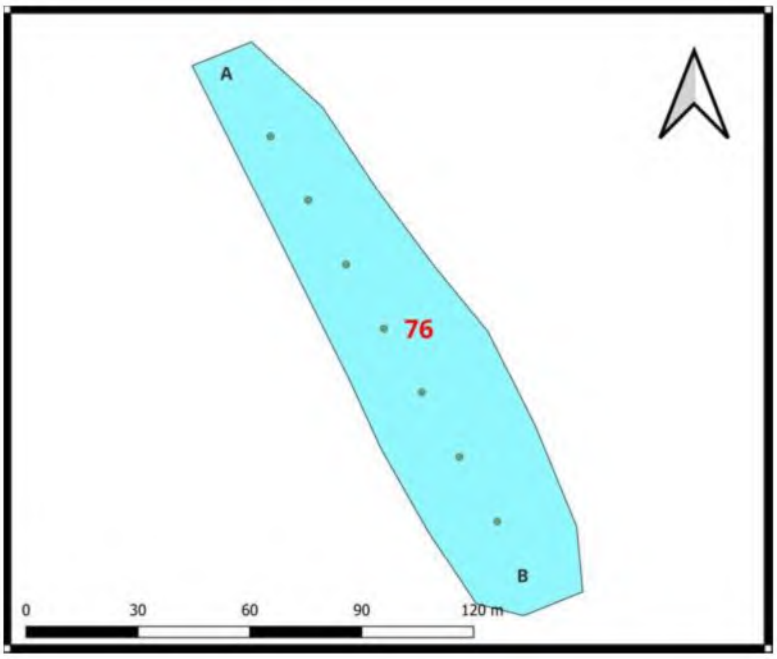


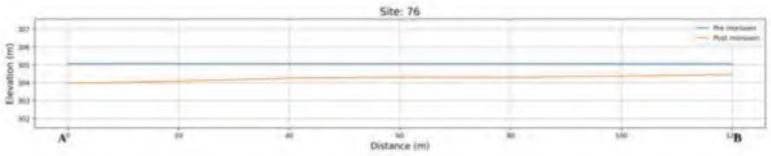


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	306.493	306.180	-0.313
2	20	306.210	306.159	-0.050
3	40	306.002	306.124	0.122
4	60	305.931	306.079	0.147
5	80	305.897	305.971	0.074
6	100	305.873	305.628	-0.245
7	120	305.850	305.119	-0.731
8	140	305.775	304.867	-0.908
9	160	305.552	304.712	-0.840
10	180	305.248	304.371	-0.877
11	200	305.081	304.177	-0.904
12	220	305.049	304.202	-0.847
13	240	305.051	304.215	-0.836
14	260	305.055	304.133	-0.922
15	280	305.057	304.059	-0.998
		Avg Deposited		0.114
		Avg Eroded		-0.706

2219

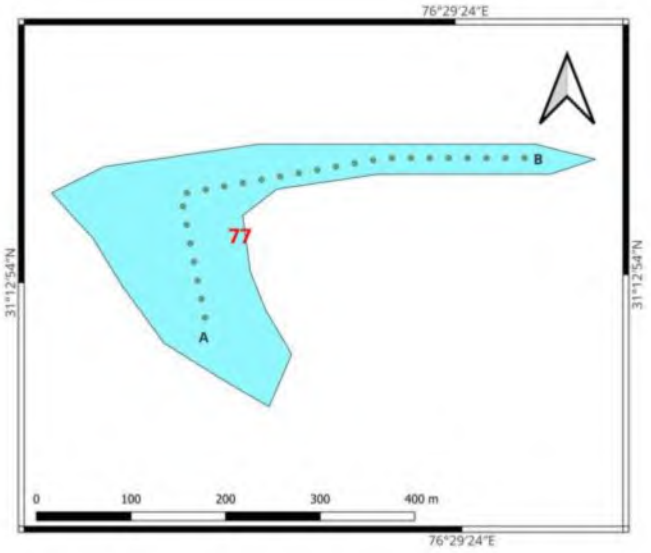
Site: 76

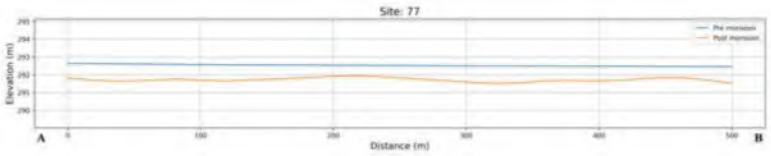




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	305.066	303.968	-1.097
2	20	305.064	304.088	-0.976
3	40	305.063	304.257	-0.806
4	60	305.062	304.326	-0.737
5	80	305.061	304.311	-0.750
6	100	305.058	304.375	-0.683
7	120	305.055	304.467	-0.588
		Avg Deposited		NA
		Avg Eroded		-0.805

Site: 77

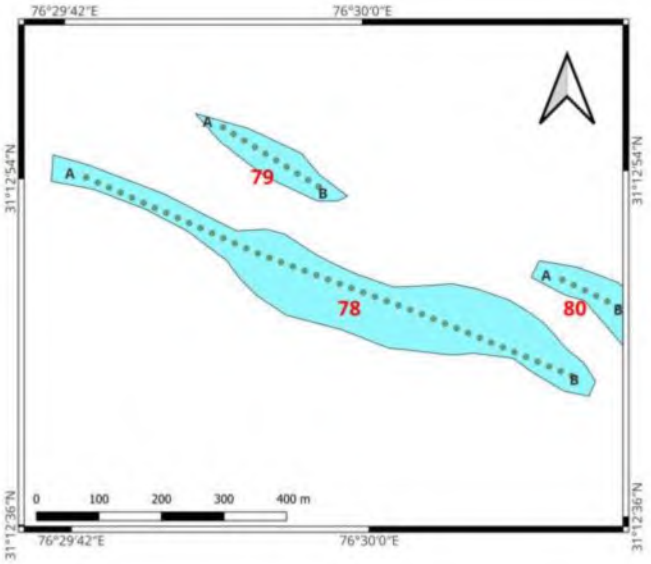


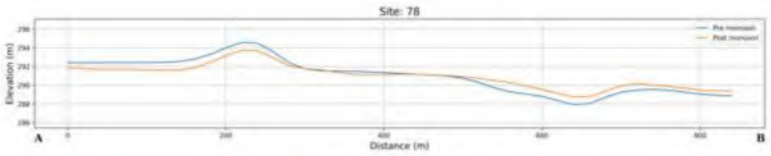


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.632	291.824	-0.808
2	20	292.624	291.688	-0.936
3	40	292.613	291.631	-0.982
4	60	292.601	291.680	-0.921
5	80	292.587	291.758	-0.829
6	100	292.573	291.693	-0.879
7	120	292.559	291.646	-0.913
8	140	292.548	291.714	-0.834
9	160	292.542	291.762	-0.779
10	180	292.537	291.836	-0.701
11	200	292.531	291.917	-0.615
12	220	292.526	291.938	-0.589
13	240	292.521	291.882	-0.639
14	260	292.515	291.780	-0.734
15	280	292.508	291.690	-0.818
16	300	292.501	291.591	-0.911
17	320	292.496	291.511	-0.985
18	340	292.492	291.537	-0.955
19	360	292.488	291.650	-0.838
20	380	292.484	291.670	-0.814
21	400	292.479	291.641	-0.838
22	420	292.474	291.707	-0.767
23	440	292.469	291.810	-0.660
24	460	292.464	291.828	-0.636

25	480	292.459	291.716	-0.743
26	500	292.455	291.518	-0.938
		Avg Deposited		NA
		Avg Eroded		-0.810

Site: 78

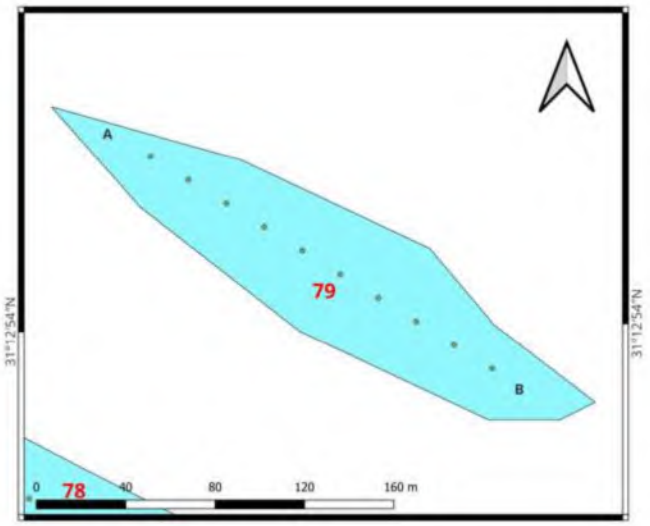


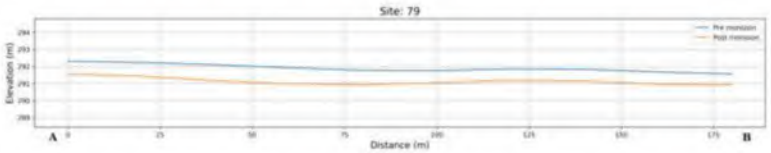


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.389	291.841	-0.548
2	20	292.393	291.772	-0.621
3	40	292.400	291.690	-0.710
4	60	292.408	291.719	-0.689
5	80	292.413	291.693	-0.720
6	100	292.416	291.629	-0.788
7	120	292.438	291.627	-0.811
8	140	292.521	291.609	-0.911
9	160	292.772	291.848	-0.925
10	180	293.279	292.432	-0.847
11	200	293.979	293.127	-0.852
12	220	294.572	293.721	-0.851
13	240	294.491	293.683	-0.808
14	260	293.559	292.923	-0.636
15	280	292.404	292.074	-0.330
16	300	291.732	291.746	0.015
17	320	291.537	291.642	0.105
18	340	291.512	291.395	-0.116
19	360	291.476	291.167	-0.309
20	380	291.415	291.118	-0.297
21	400	291.348	291.151	-0.197
22	420	291.258	291.173	-0.085
23	440	291.167	291.151	-0.015
24	460	291.082	291.091	0.009

25	480	290.972	291.022	0.050
26	500	290.746	290.911	0.165
27	520	290.296	290.721	0.425
28	540	289.717	290.502	0.785
29	560	289.283	290.263	0.981
30	580	289.049	289.948	0.899
31	600	288.801	289.539	0.738
32	620	288.364	289.109	0.745
33	640	287.927	288.762	0.835
34	660	288.031	288.776	0.745
35	680	288.700	289.340	0.640
36	700	289.248	289.950	0.702
37	720	289.472	290.163	0.691
38	740	289.540	290.030	0.490
39	760	289.455	289.886	0.431
40	780	289.248	289.695	0.447
41	800	289.047	289.462	0.415
42	820	288.921	289.378	0.456
43	840	288.859	289.379	0.520
		Avg Deposited		0.513
		Avg Eroded		-0.575

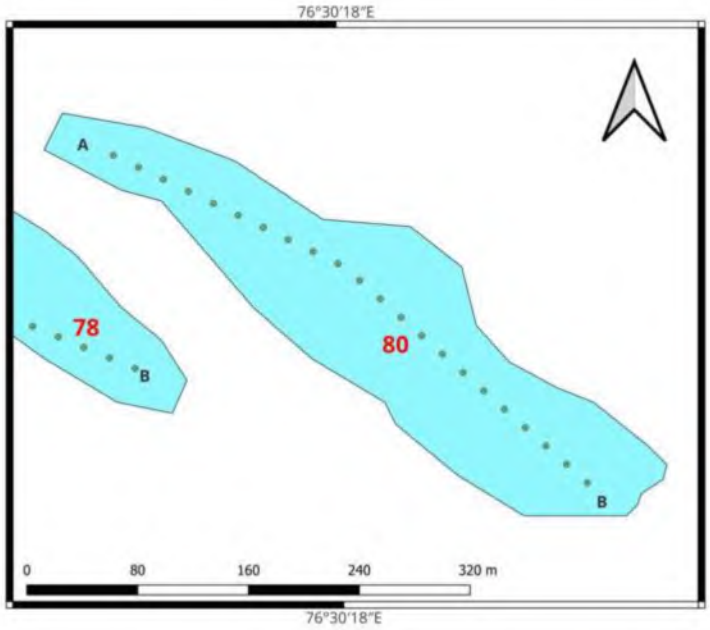
Site: 79

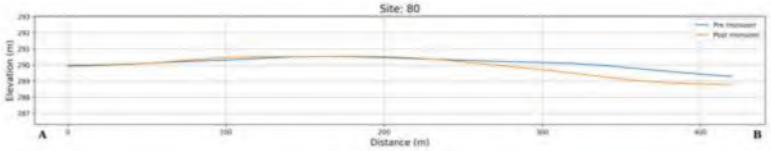




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.306	291.560	-0.746
2	20	292.240	291.430	-0.811
3	40	292.095	291.159	-0.936
4	60	291.926	290.983	-0.943
5	80	291.771	290.937	-0.834
6	100	291.753	291.037	-0.716
7	120	291.856	291.196	-0.660
8	140	291.833	291.143	-0.690
9	160	291.679	290.957	-0.722
10	180	291.556	290.934	-0.622
		Avg Deposited		NA
		Avg Eroded		-0.768

Site: 80

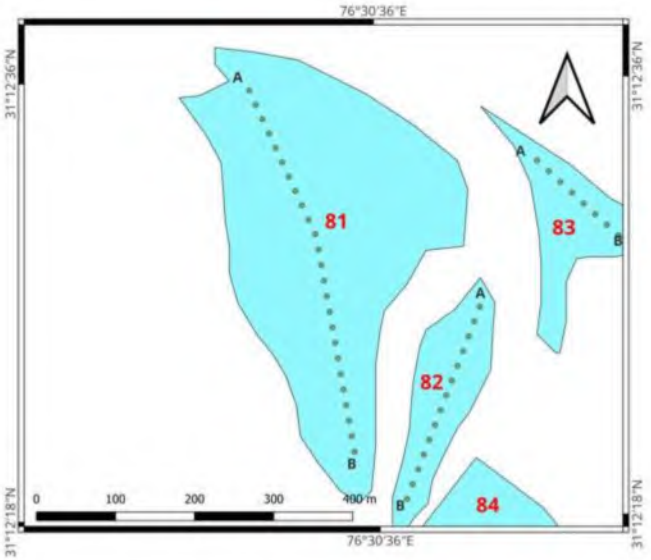


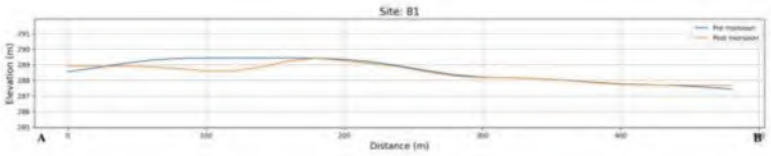


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	289.986	289.918	-0.068
2	20	289.998	289.952	-0.046
3	40	290.063	290.044	-0.019
4	60	290.156	290.173	0.017
5	80	290.238	290.331	0.092
6	100	290.308	290.466	0.158
7	120	290.404	290.514	0.110
8	140	290.493	290.512	0.019
9	160	290.526	290.527	0.001
10	180	290.514	290.538	0.024
11	200	290.460	290.511	0.051
12	220	290.391	290.433	0.042
13	240	290.328	290.291	-0.037
14	260	290.260	290.095	-0.165
15	280	290.202	289.900	-0.302
16	300	290.157	289.711	-0.445
17	320	290.091	289.488	-0.603
18	340	289.960	289.240	-0.719
19	360	289.778	289.032	-0.746
20	380	289.600	288.890	-0.711
21	400	289.428	288.815	-0.613

22	420	289.290	288.792	-0.498
		Avg Deposited		0.057
		Avg Eroded		-0.382

Site: 81



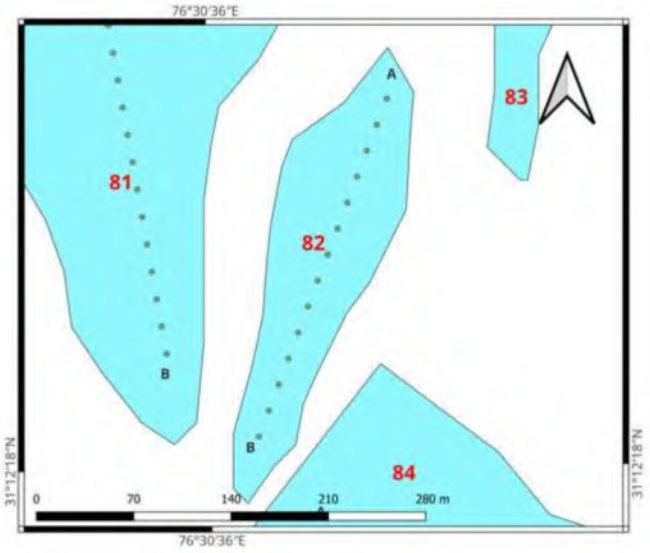


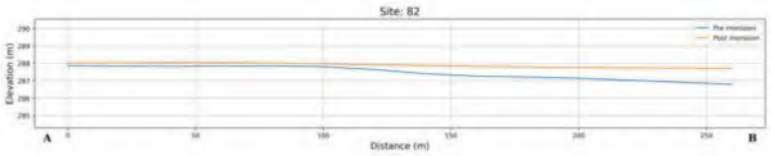
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	288.560	288.903	0.343
2	20	288.795	288.908	0.113
3	40	289.078	288.908	-0.170
4	60	289.293	288.867	-0.426
5	80	289.406	288.745	-0.661
6	100	289.435	288.603	-0.833
7	120	289.435	288.606	-0.829
8	140	289.437	288.851	-0.586
9	160	289.441	289.252	-0.189
10	180	289.421	289.418	-0.002
11	200	289.349	289.260	-0.089
12	220	289.185	289.082	-0.103
13	240	288.924	288.876	-0.048
14	260	288.620	288.542	-0.078
15	280	288.354	288.273	-0.081
16	300	288.206	288.185	-0.021
17	320	288.154	288.163	0.010
18	340	288.105	288.110	0.005
19	360	288.005	287.996	-0.009
20	380	287.873	287.846	-0.027
21	400	287.771	287.742	-0.029
22	420	287.715	287.702	-0.013
23	440	287.665	287.688	0.024
24	460	287.562	287.681	0.119

2228

25	480	287.436	287.678	0.242
		Avg Deposited		0.122
		Avg Eroded		-0.233

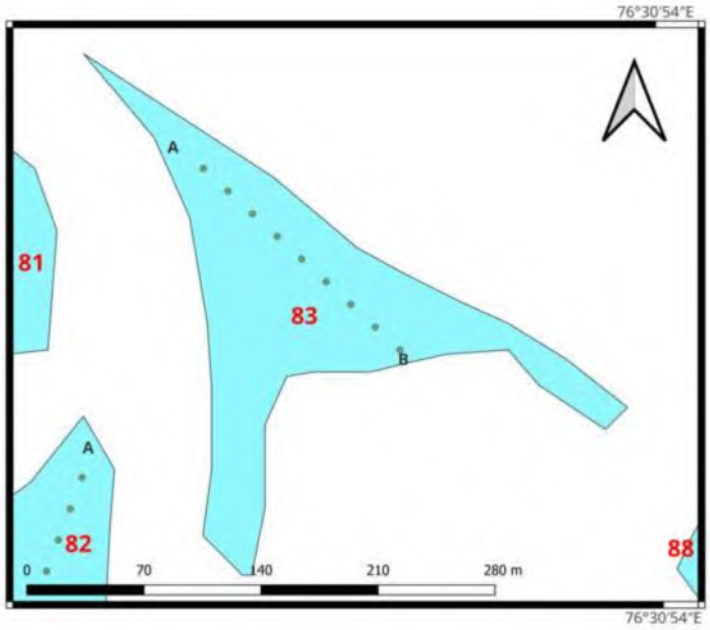
Site: 82

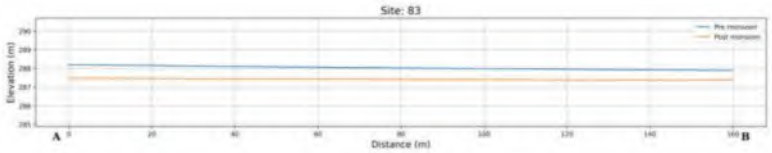




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	287.861	288.026	0.165
2	20	287.838	288.022	0.185
3	40	287.831	288.049	0.218
4	60	287.841	288.049	0.208
5	80	287.851	288.016	0.165
6	100	287.811	287.970	0.159
7	120	287.644	287.920	0.276
8	140	287.407	287.873	0.466
9	160	287.265	287.832	0.566
10	180	287.219	287.795	0.576
11	200	287.144	287.764	0.621
12	220	287.032	287.742	0.711
13	240	286.913	287.726	0.813
14	260	286.791	287.714	0.923
		Avg Deposited		0.432
		Avg Eroded		NA

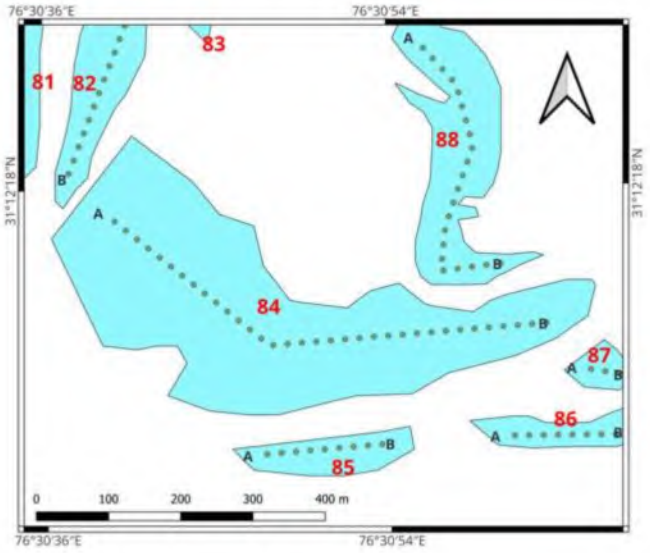
Site: 83

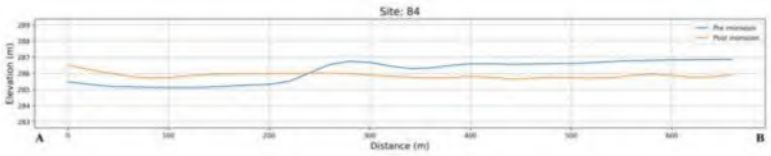




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	288.194	287.469	-0.725
2	20	288.154	287.455	-0.699
3	40	288.107	287.440	-0.667
4	60	288.062	287.429	-0.634
5	80	288.021	287.419	-0.602
6	100	287.985	287.408	-0.577
7	120	287.953	287.398	-0.555
8	140	287.916	287.388	-0.528
9	160	287.886	287.382	-0.504
		Avg Deposited		NA
		Avg Eroded		-0.610

Site: 84

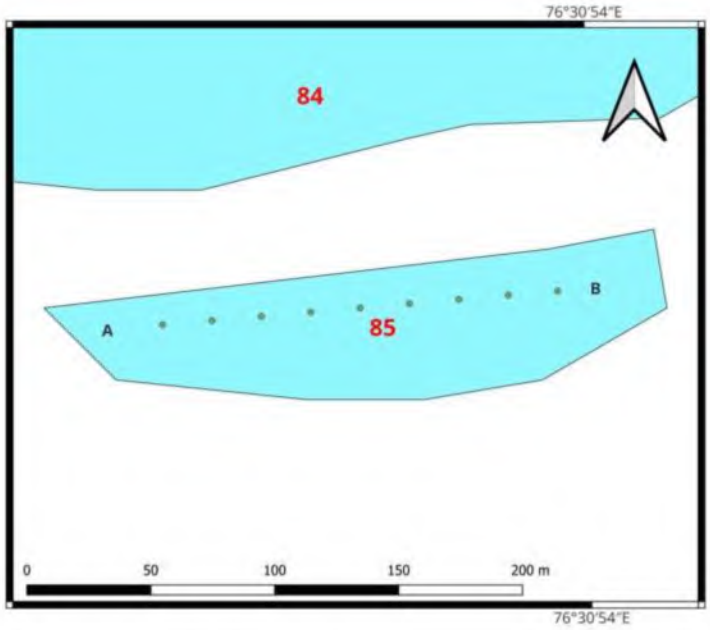


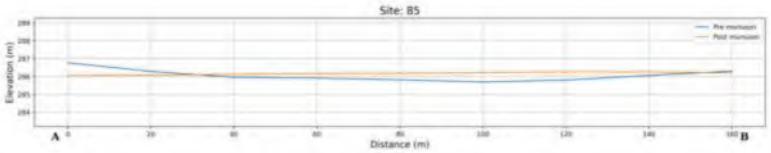


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	285.476	286.509	1.033
2	20	285.329	286.258	0.929
3	40	285.205	286.022	0.818
4	60	285.162	285.828	0.667
5	80	285.137	285.710	0.573
6	100	285.122	285.733	0.611
7	120	285.125	285.852	0.726
8	140	285.151	285.933	0.783
9	160	285.215	285.959	0.745
10	180	285.278	285.971	0.693
11	200	285.313	285.980	0.667
12	220	285.508	285.991	0.483
13	240	286.028	286.003	-0.025
14	260	286.541	286.010	-0.530
15	280	286.748	285.978	-0.771
16	300	286.678	285.893	-0.785
17	320	286.454	285.816	-0.638
18	340	286.299	285.766	-0.532
19	360	286.331	285.713	-0.618
20	380	286.489	285.728	-0.761
21	400	286.592	285.810	-0.782
22	420	286.589	285.751	-0.838
23	440	286.572	285.650	-0.922
24	460	286.580	285.692	-0.888

25	480	286.595	285.754	-0.841
26	500	286.614	285.747	-0.867
27	520	286.659	285.705	-0.954
28	540	286.730	285.738	-0.992
29	560	286.783	285.866	-0.916
30	580	286.811	285.957	-0.854
31	600	286.830	285.869	-0.961
32	620	286.846	285.755	-1.091
33	640	286.858	285.787	-1.071
34	660	286.865	285.900	-0.965
		Avg Deposited		0.727
		Avg Eroded		-0.800

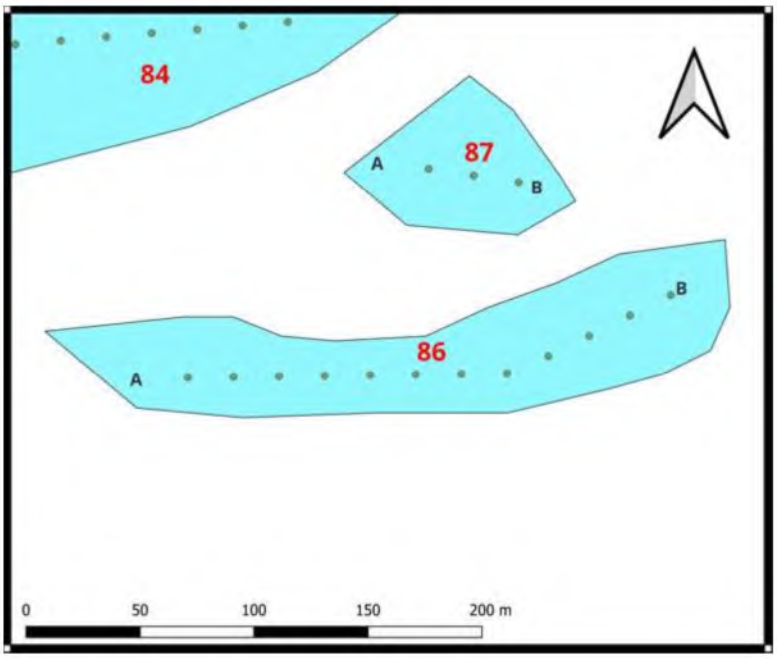
Site: 85

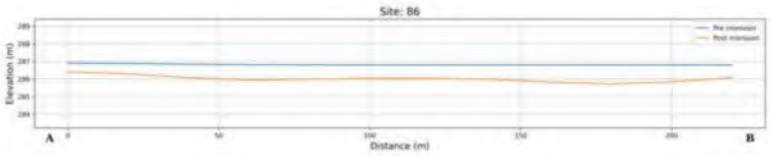




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	286.770	286.065	-0.705
2	20	286.284	286.077	-0.207
3	40	285.954	286.119	0.165
4	60	285.913	286.164	0.251
5	80	285.816	286.182	0.366
6	100	285.696	286.212	0.517
7	120	285.801	286.256	0.456
8	140	286.060	286.252	0.192
9	160	286.303	286.205	-0.098
		Avg Deposited		0.324
		Avg Eroded		-0.337

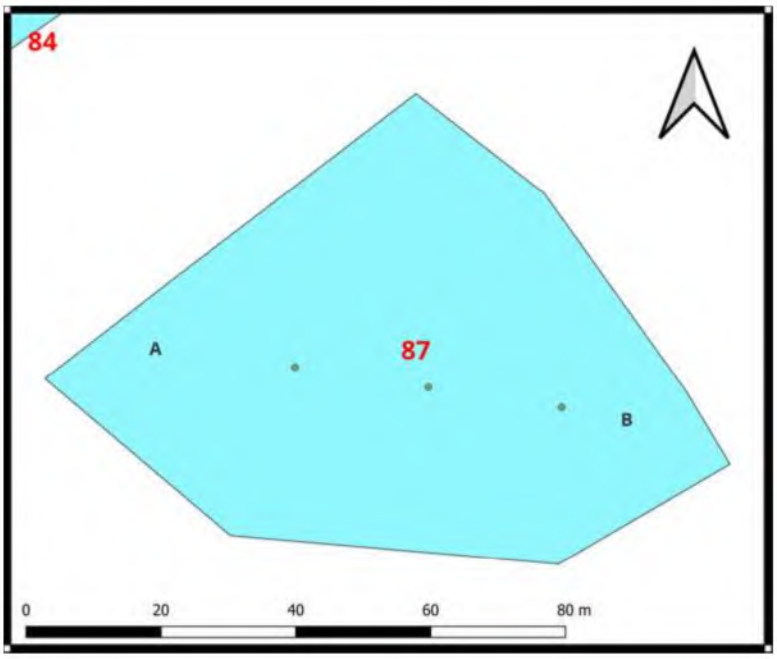
Site: 86

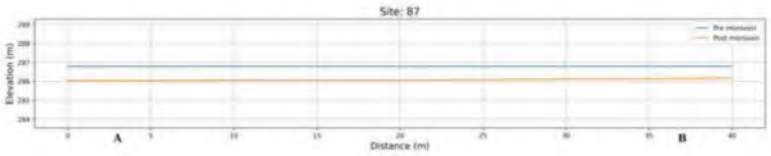




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	286.899	286.399	-0.500
2	20	286.876	286.294	-0.582
3	40	286.836	286.075	-0.761
4	60	286.811	285.934	-0.877
5	80	286.803	285.980	-0.823
6	100	286.800	286.036	-0.764
7	120	286.798	286.036	-0.762
8	140	286.796	285.977	-0.819
9	160	286.795	285.818	-0.977
10	180	286.794	285.715	-1.079
11	200	286.794	285.835	-0.959
12	220	286.793	286.071	-0.722
		Avg Deposited		NA
		Avg Eroded		-0.802

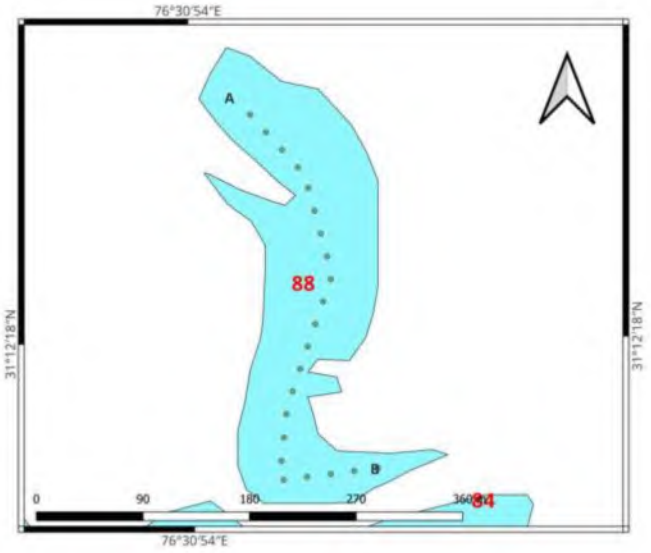
Site: 87

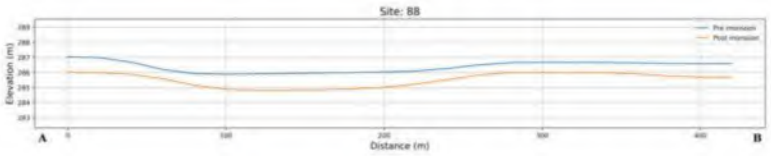




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	286.790	286.034	-0.756
2	20	286.791	286.061	-0.730
3	40	286.791	286.170	-0.622
		Avg Deposited		NA
		Avg Eroded		-0.702

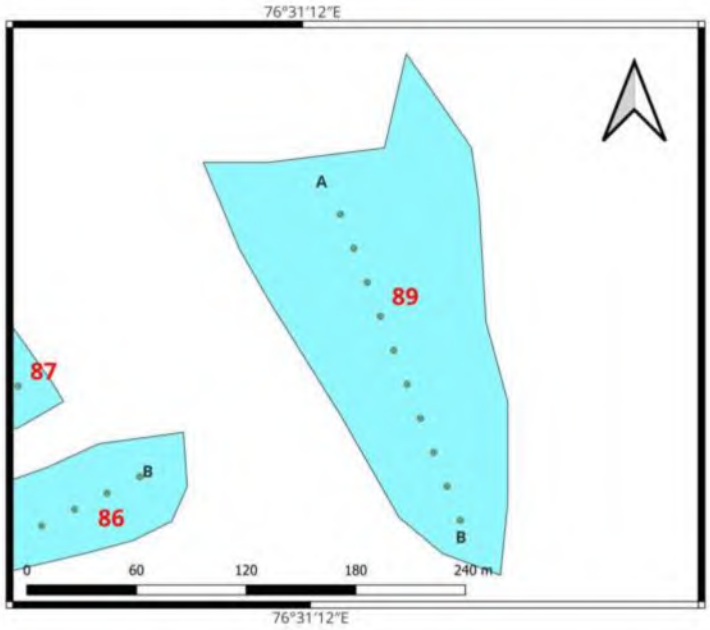
Site: 88

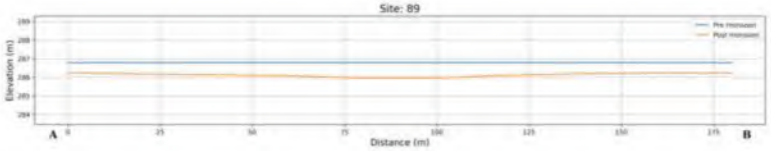




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	287.046	286.030	-1.016
2	20	286.978	285.981	-0.997
3	40	286.683	285.874	-0.809
4	60	286.197	285.587	-0.610
5	80	285.918	285.146	-0.772
6	100	285.879	284.878	-1.001
7	120	285.901	284.816	-1.085
8	140	285.930	284.824	-1.107
9	160	285.962	284.854	-1.108
10	180	285.993	284.898	-1.096
11	200	286.029	285.010	-1.018
12	220	286.092	285.224	-0.868
13	240	286.258	285.511	-0.747
14	260	286.504	285.825	-0.679
15	280	286.644	286	-0.644
16	300	286.668	286.023	-0.646
17	320	286.663	285.977	-0.685
18	340	286.654	285.975	-0.679
19	360	286.631	285.902	-0.728
20	380	286.595	285.756	-0.838
21	400	286.578	285.687	-0.891
22	420	286.579	285.688	-0.890
		Avg Deposited		NA
		Avg Eroded		-0.860

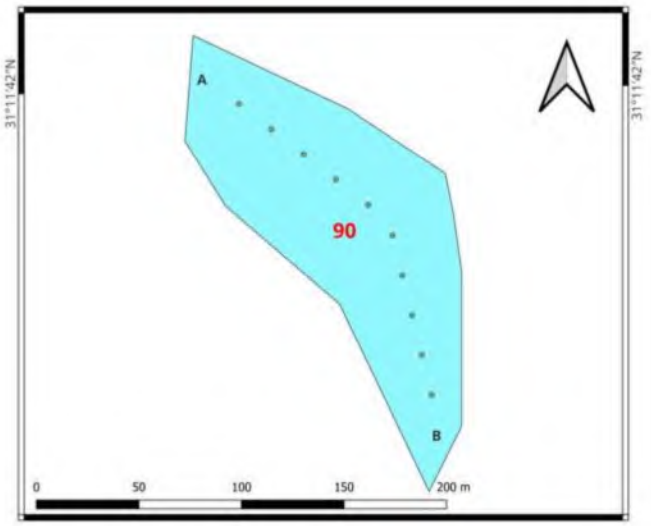
Site: 89

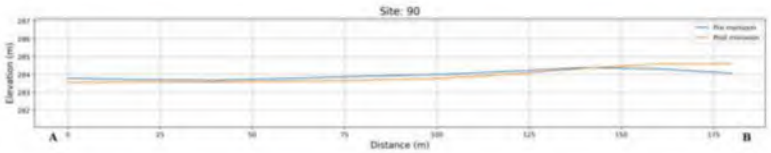




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	286.787	286.247	-0.540
2	20	286.788	286.181	-0.607
3	40	286.789	286.138	-0.650
4	60	286.789	286.081	-0.708
5	80	286.790	285.954	-0.836
6	100	286.790	285.964	-0.826
7	120	286.789	286.112	-0.677
8	140	286.789	286.199	-0.590
9	160	286.787	286.233	-0.555
10	180	286.787	286.225	-0.561
		Avg Deposited		NA
		Avg Eroded		-0.655

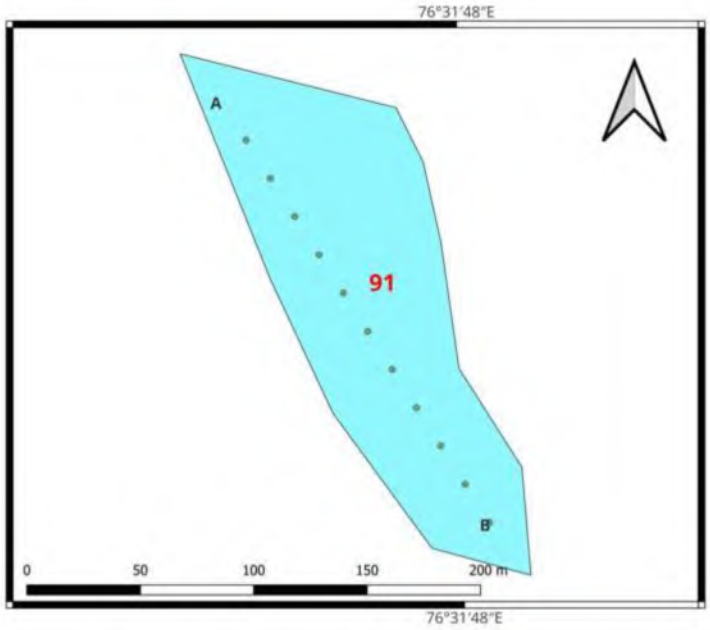
Site: 90

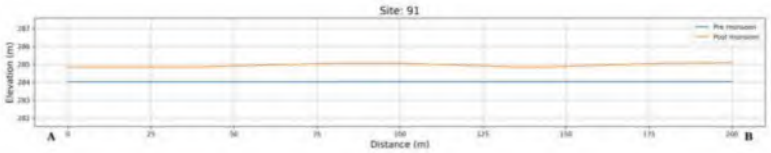




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	283.789	283.556	-0.233
2	20	283.721	283.570	-0.151
3	40	283.687	283.594	-0.093
4	60	283.780	283.632	-0.147
5	80	283.913	283.686	-0.227
6	100	284.001	283.785	-0.216
7	120	284.181	284.020	-0.161
8	140	284.396	284.360	-0.036
9	160	284.321	284.583	0.262
10	180	284.076	284.631	0.555
		Avg Deposited		0.409
		Avg Eroded		-0.158

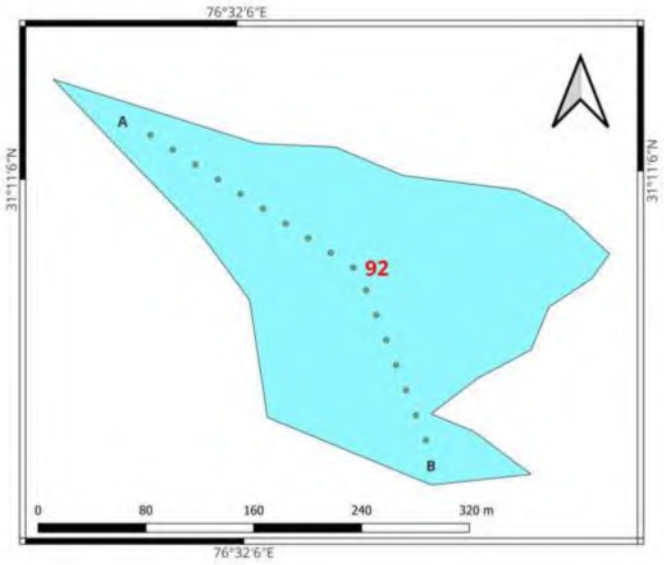
Site: 91

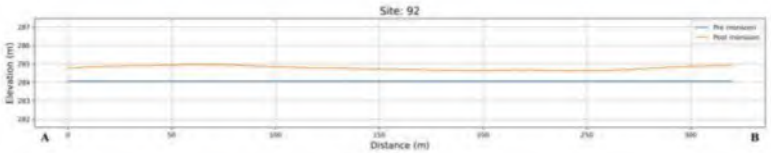




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	284.020	284.832	0.813
2	20	284.021	284.847	0.826
3	40	284.022	284.857	0.835
4	60	284.024	284.951	0.927
5	80	284.025	285.055	1.029
6	100	284.027	285.062	1.035
7	120	284.029	284.934	0.906
8	140	284.030	284.833	0.803
9	160	284.030	284.936	0.906
10	180	284.031	285.064	1.033
11	200	284.032	285.079	1.047
		Avg Deposited		0.924
		Avg Eroded		NA

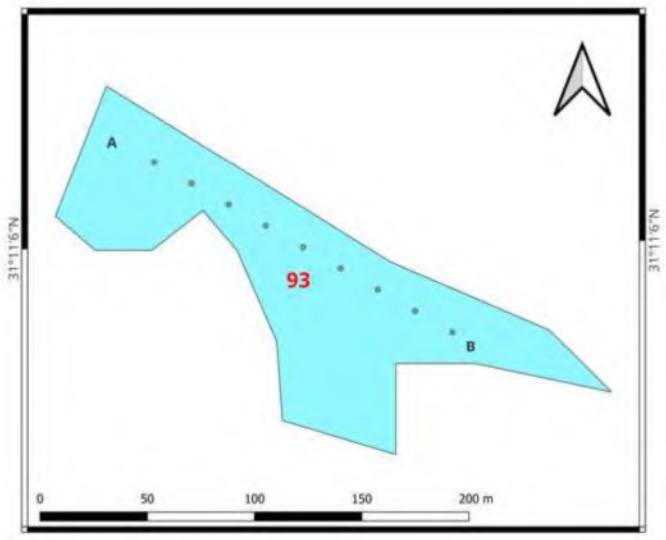
Site: 92

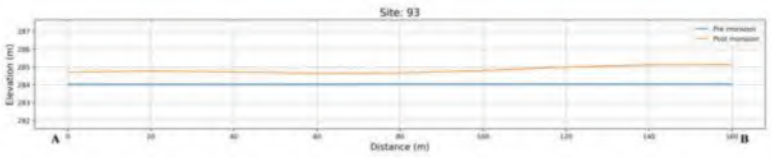




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	284.053	284.770	0.717
2	20	284.053	284.876	0.823
3	40	284.053	284.903	0.849
4	60	284.053	284.957	0.904
5	80	284.053	284.936	0.883
6	100	284.053	284.832	0.779
7	120	284.053	284.776	0.723
8	140	284.053	284.740	0.687
9	160	284.053	284.704	0.651
10	180	284.053	284.645	0.592
11	200	284.053	284.632	0.580
12	220	284.053	284.664	0.611
13	240	284.053	284.618	0.566
14	260	284.053	284.629	0.577
15	280	284.053	284.753	0.700
16	300	284.052	284.867	0.814
17	320	284.052	284.908	0.855
		Avg Deposited		0.724
		Avg Eroded		NA

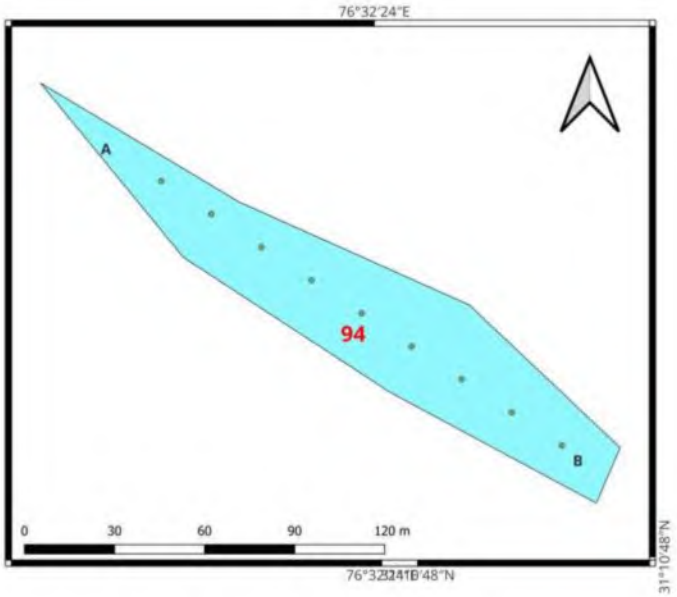
Site: 93

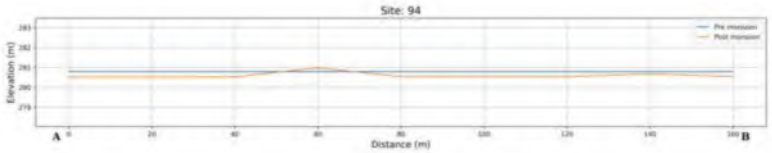




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	284.032	284.711	0.679
2	20	284.033	284.769	0.736
3	40	284.035	284.724	0.689
4	60	284.036	284.648	0.612
5	80	284.038	284.670	0.633
6	100	284.039	284.794	0.755
7	120	284.040	284.995	0.955
8	140	284.041	285.122	1.081
9	160	284.041	285.134	1.093
		Avg Deposited		0.804
		Avg Eroded		NA

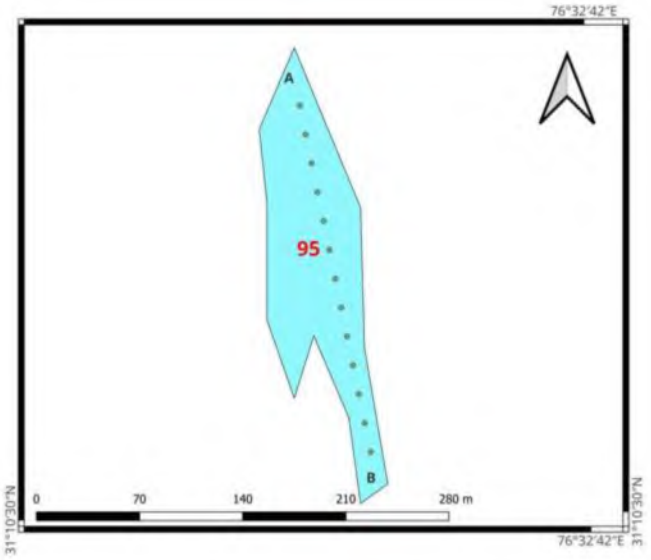
Site: 94

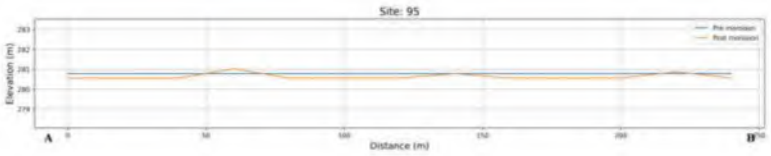




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	280.791	280.523	-0.269
2	20	280.791	280.523	-0.268
3	40	280.791	280.528	-0.263
4	60	280.790	280.983	-0.136
5	80	280.789	280.540	-0.249
6	100	280.789	280.541	-0.248
7	120	280.788	280.541	-0.247
8	140	280.788	280.682	0.097
9	160	280.787	280.540	-0.247
		Avg Deposited		NA
		Avg Eroded		-0.255

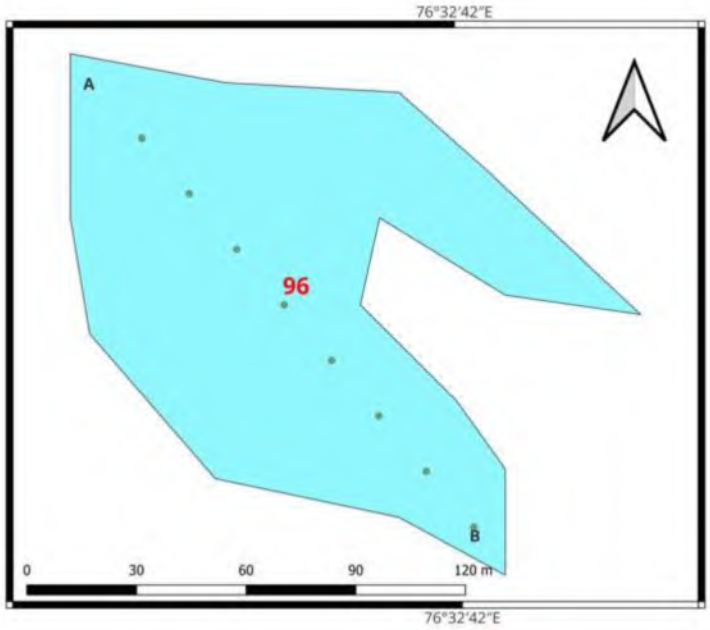
Site: 95

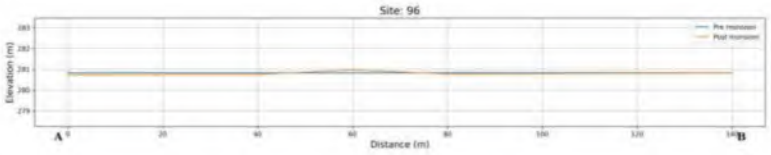




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	280.783	280.552	-0.231
2	20	280.784	280.553	-0.231
3	40	280.784	280.555	-0.229
4	60	280.785	281.032	0.207
5	80	280.786	280.559	-0.227
6	100	280.787	280.562	-0.225
7	120	280.788	280.563	-0.225
8	140	280.789	280.784	0.075
9	160	280.790	280.558	-0.232
10	180	280.791	280.556	-0.235
11	200	280.792	280.558	-0.234
12	220	280.793	280.880	0.018
13	240	280.794	280.562	-0.232
		Avg Deposited		NA
		Avg Eroded		-0.230

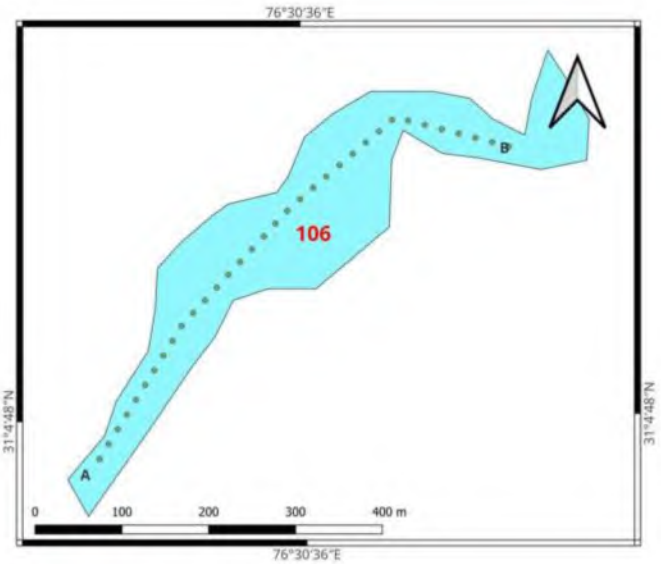
Site: 96

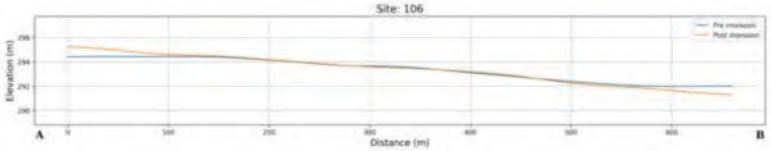




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	280.817	280.737	-0.080
2	20	280.818	280.743	-0.075
3	40	280.819	280.751	-0.068
4	60	280.821	280.961	0.242
5	80	280.822	280.773	-0.049
6	100	280.824	280.787	-0.037
7	120	280.826	280.803	-0.022
8	140	280.828	280.818	-0.010
		Avg Deposited		NA
		Avg Eroded		-0.050

Site: 106

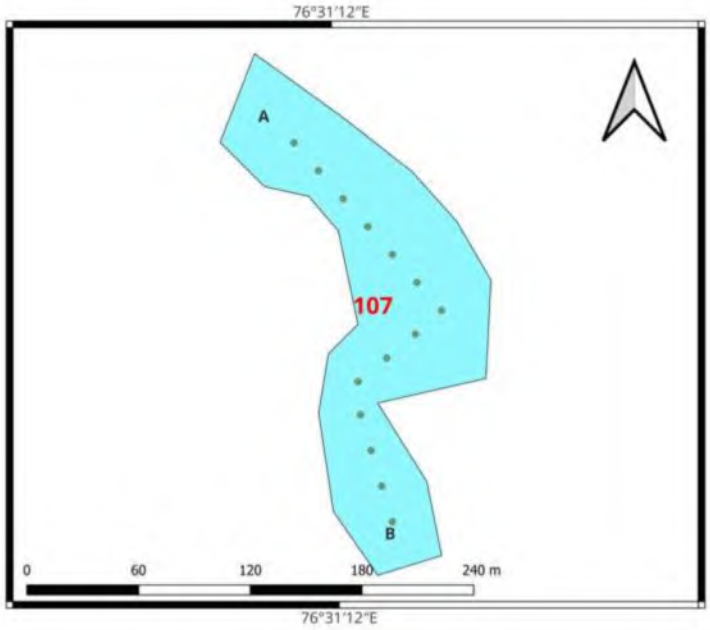


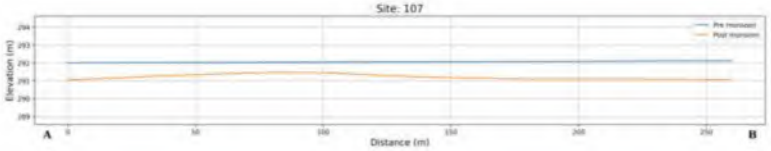


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	294.434	295.254	0.820
2	20	294.437	295.177	0.740
3	40	294.440	295.051	0.611
4	60	294.443	294.879	0.436
5	80	294.446	294.709	0.263
6	100	294.449	294.608	0.159
7	120	294.447	294.563	0.115
8	140	294.427	294.515	0.088
9	160	294.367	294.435	0.068
10	180	294.267	294.320	0.054
11	200	294.152	294.186	0.034
12	220	294.037	294.066	0.029
13	240	293.909	293.946	0.037
14	260	293.772	293.807	0.344
15	280	293.687	293.686	-0.001
16	300	293.668	293.607	-0.061
17	320	293.647	293.541	-0.106
18	340	293.569	293.475	-0.094
19	360	293.434	293.401	-0.033
20	380	293.274	293.313	0.040
21	400	293.115	293.207	0.091
22	420	292.971	293.083	0.112
23	440	292.832	292.928	0.096

24	460	292.684	292.715	0.031
25	480	292.532	292.469	-0.063
26	500	292.392	292.268	-0.124
27	520	292.272	292.122	-0.150
28	540	292.162	292.012	-0.150
29	560	292.068	291.912	-0.156
30	580	292.010	291.797	-0.213
31	600	291.989	291.658	-0.331
32	620	291.995	291.510	-0.485
33	640	292.009	291.387	-0.621
34	660	292.021	291.327	-0.694
		Avg Deposited		0.203
		Avg Eroded		-0.219

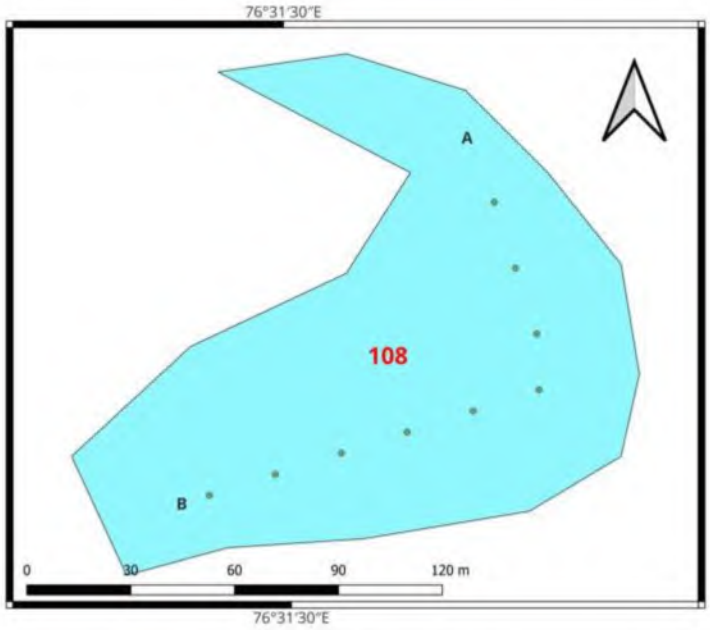
Site: 107

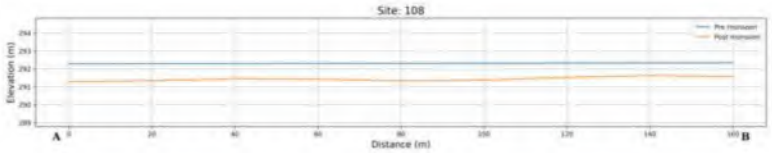




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.011	291.048	-0.963
2	20	292.016	291.157	-0.859
3	40	292.024	291.299	-0.726
4	60	292.033	291.391	-0.641
5	80	292.041	291.474	-0.566
6	100	292.049	291.465	-0.585
7	120	292.057	291.323	-0.734
8	140	292.065	291.205	-0.861
9	160	292.073	291.155	-0.918
10	180	292.080	291.097	-0.983
11	200	292.091	291.097	-0.993
12	220	292.102	291.102	-1
13	240	292.114	291.081	-1.033
14	260	292.122	291.070	-1.052
		Avg Deposited		NA
		Avg Eroded		-0.851

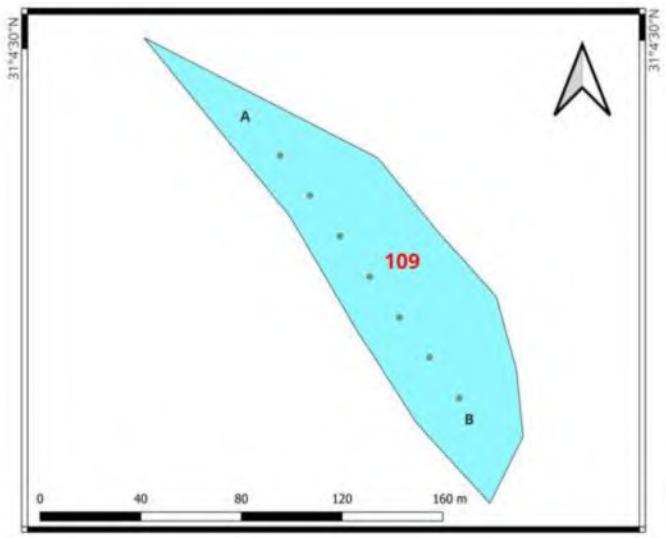
Site: 108

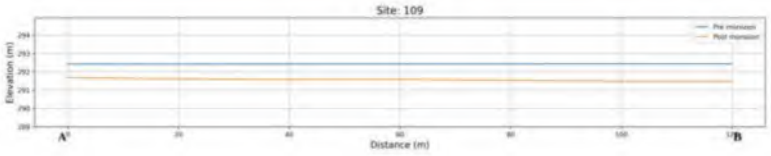




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.285	291.280	-1.005
2	20	292.290	291.339	-0.951
3	40	292.298	291.452	-0.846
4	60	292.305	291.428	-0.877
5	80	292.312	291.333	-0.978
6	100	292.318	291.374	-0.944
7	120	292.325	291.530	-0.796
8	140	292.331	291.626	-0.704
9	160	292.334	291.577	-0.757
		Avg Deposited		NA
		Avg Eroded		-0.873

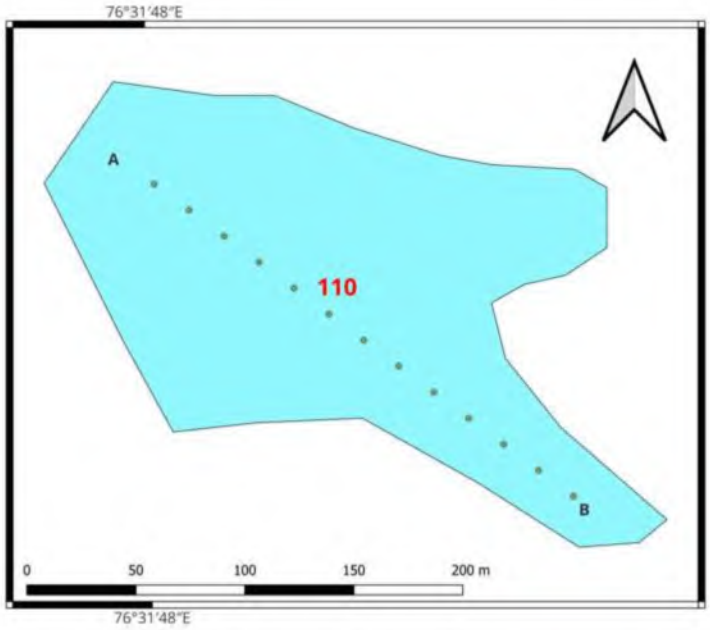
Site: 109

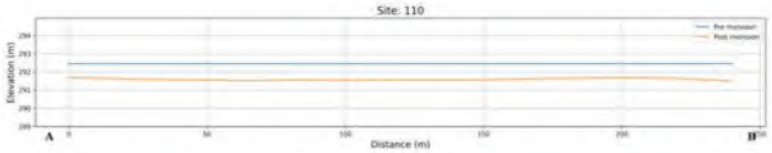




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.418	291.679	-0.739
2	20	292.420	291.617	-0.803
3	40	292.423	291.575	-0.848
4	60	292.427	291.583	-0.844
5	80	292.430	291.526	-0.904
6	100	292.433	291.492	-0.941
7	120	292.435	291.492	-0.943
		Avg Deposited		NA
		Avg Eroded		-0.860

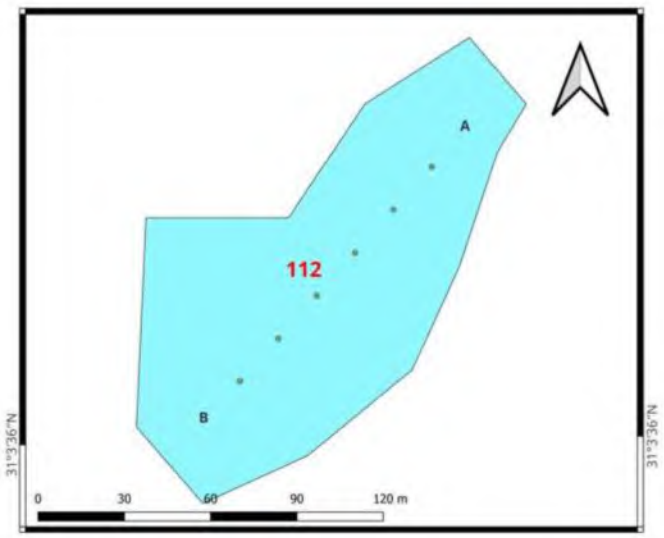
Site: 110

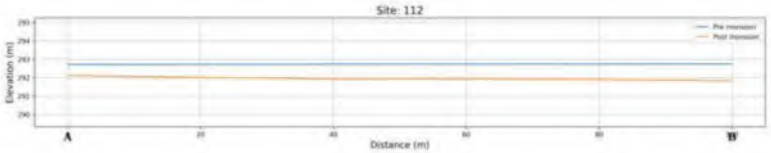




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.445	291.685	-0.759
2	20	292.445	291.602	-0.843
3	40	292.446	291.560	-0.886
4	60	292.446	291.522	-0.924
5	80	292.446	291.529	-0.917
6	100	292.447	291.563	-0.884
7	120	292.448	291.531	-0.917
8	140	292.449	291.531	-0.918
9	160	292.449	291.588	-0.860
10	180	292.449	291.631	-0.818
11	200	292.450	291.676	-0.774
12	220	292.451	291.632	-0.819
13	240	292.452	291.485	-0.967
		Avg Deposited		NA
		Avg Eroded		-0.868

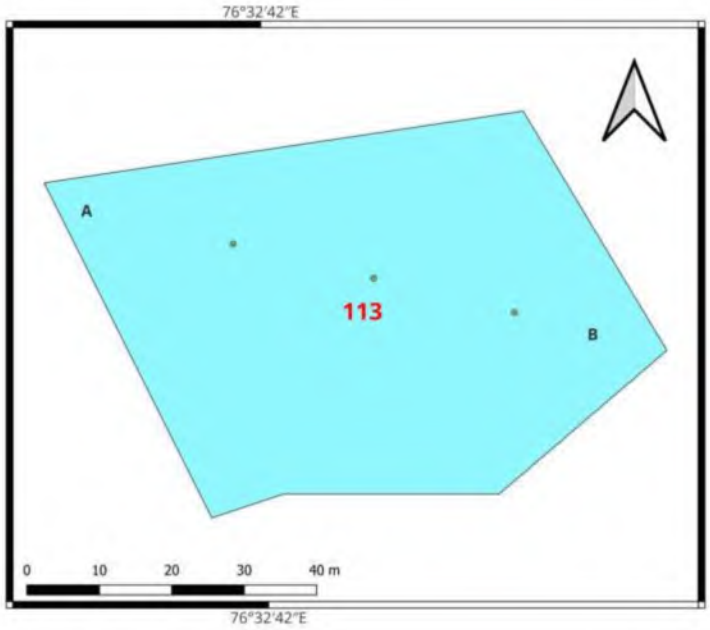
Site: 112

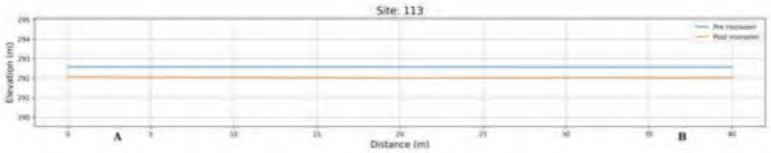




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.719	292.119	-0.599
2	20	292.722	292.016	-0.706
3	40	292.727	291.924	-0.803
4	60	292.732	291.935	-0.797
5	80	292.737	291.891	-0.846
6	100	292.740	291.827	-0.913
		Avg Deposited		NA
		Avg Eroded		-0.777

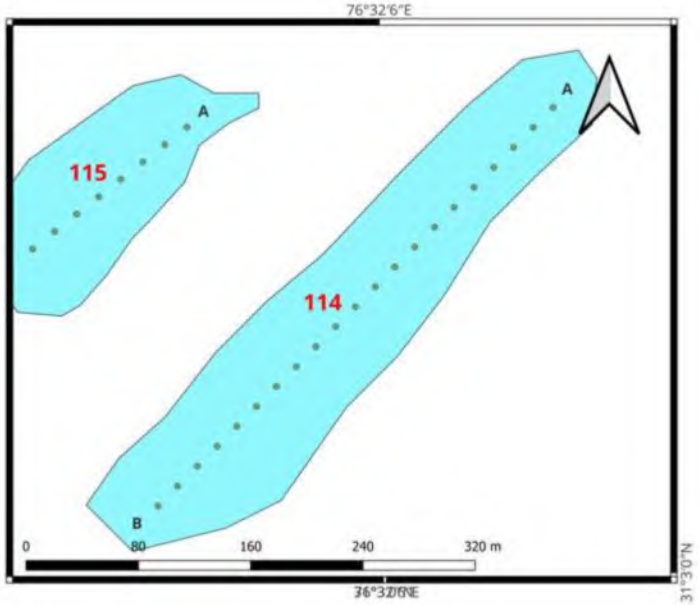
Site: 113

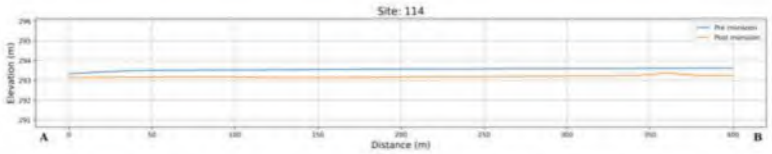




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	292.578	292.068	-0.510
2	20	292.577	292.016	-0.561
3	40	292.576	292.036	-0.540
		Avg Deposited		NA
		Avg Eroded		-0.537

Site: 114

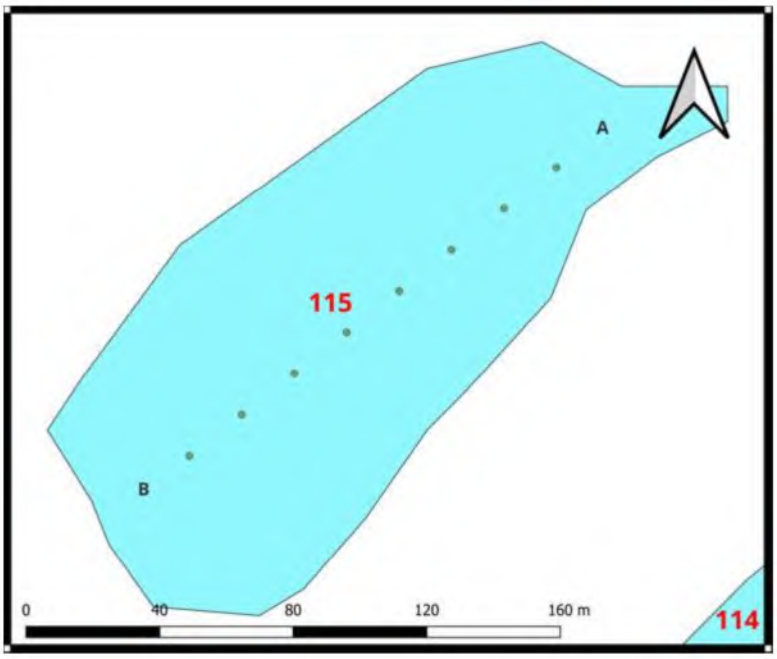


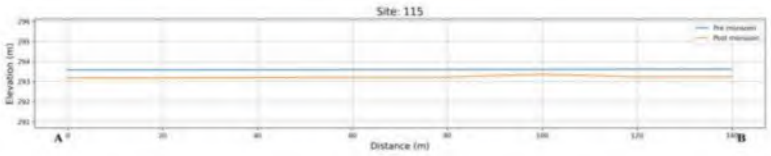


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	293.332	293.146	-0.187
2	20	293.428	293.154	-0.274
3	40	293.496	293.166	-0.330
4	60	293.514	293.178	-0.336
5	80	293.520	293.185	-0.334
6	100	293.524	293.174	-0.350
7	120	293.531	293.149	-0.382
8	140	293.542	293.138	-0.404
9	160	293.558	293.144	-0.414
10	180	293.569	293.155	-0.414
11	200	293.575	293.166	-0.021
12	220	293.579	293.177	-0.403
13	240	293.584	293.187	-0.397
14	260	293.588	293.197	-0.391
15	280	293.593	293.208	-0.196
16	300	293.597	293.219	-0.379
17	320	293.602	293.225	-0.377
18	340	293.607	293.228	-0.378
19	360	293.611	293.379	-0.116
20	380	293.615	293.243	-0.371
21	400	293.618	293.250	-0.367
		Avg Deposited		NA

		Avg Eroded		-0.365

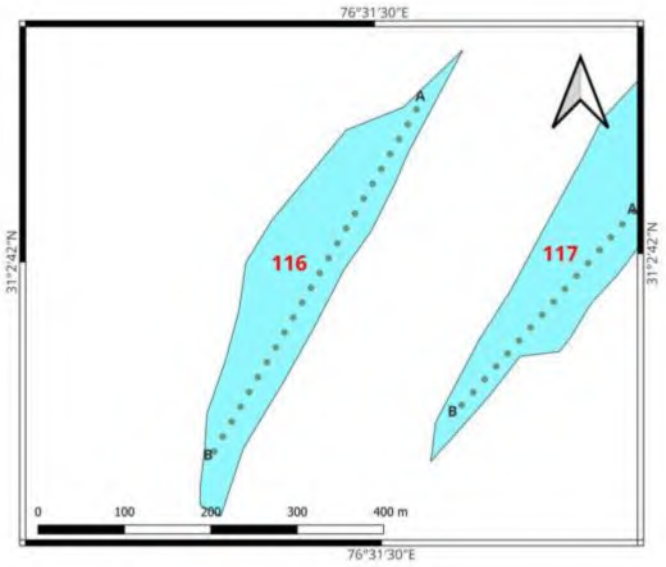
Site: 115

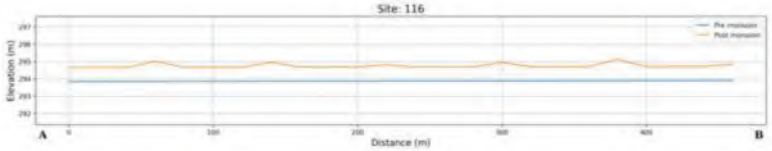




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	293.582	293.183	-0.398
2	20	293.584	293.191	-0.394
3	40	293.589	293.201	-0.388
4	60	293.594	293.211	-0.244
5	80	293.599	293.218	-0.381
6	100	293.604	293.362	-0.381
7	120	293.608	293.229	-0.379
8	140	293.611	293.236	0.057
		Avg Deposited		NA
		Avg Eroded		-0.385

Site: 116

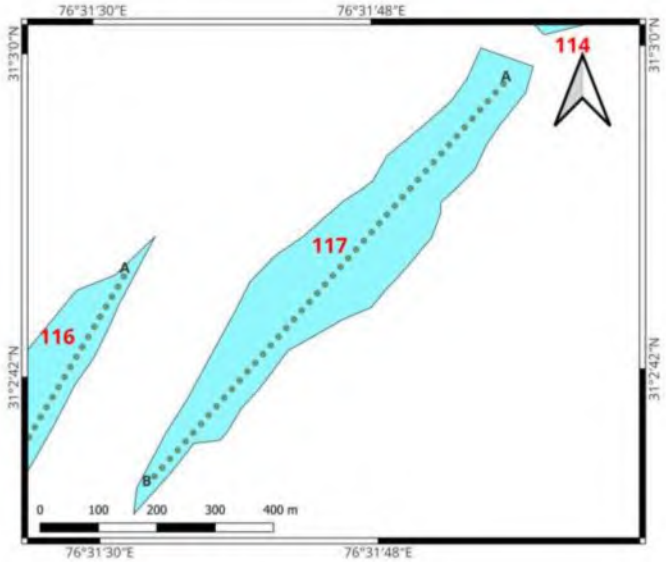


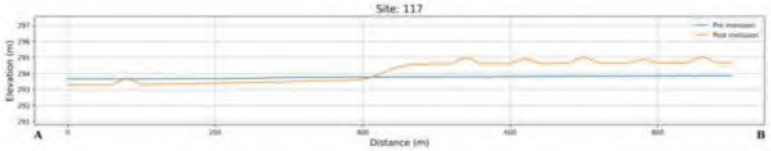


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	293.840	294.652	0.812
2	20	293.842	294.654	0.812
3	40	293.844	294.658	0.813
4	60	293.847	295.012	1.224
5	80	293.850	294.666	0.816
6	100	293.853	294.670	0.817
7	120	293.856	294.673	0.817
8	140	293.859	294.961	1.198
9	160	293.861	294.680	0.818
10	180	293.864	294.683	0.819
11	200	293.867	294.686	0.819
12	220	293.870	294.812	1.186
13	240	293.872	294.693	0.821
14	260	293.875	294.696	0.821
15	280	293.878	294.699	0.821
16	300	293.881	294.953	0.976
17	320	293.883	294.706	0.823
18	340	293.886	294.709	0.823
19	360	293.888	294.712	0.824
20	380	293.891	295.116	1.178
21	400	293.894	294.718	0.824
22	420	293.896	294.721	0.825
23	440	293.898	294.724	0.826

24	460	293.900	294.843	1.154
		Avg Deposited		0.820
		Avg Eroded		NA

Site: 117

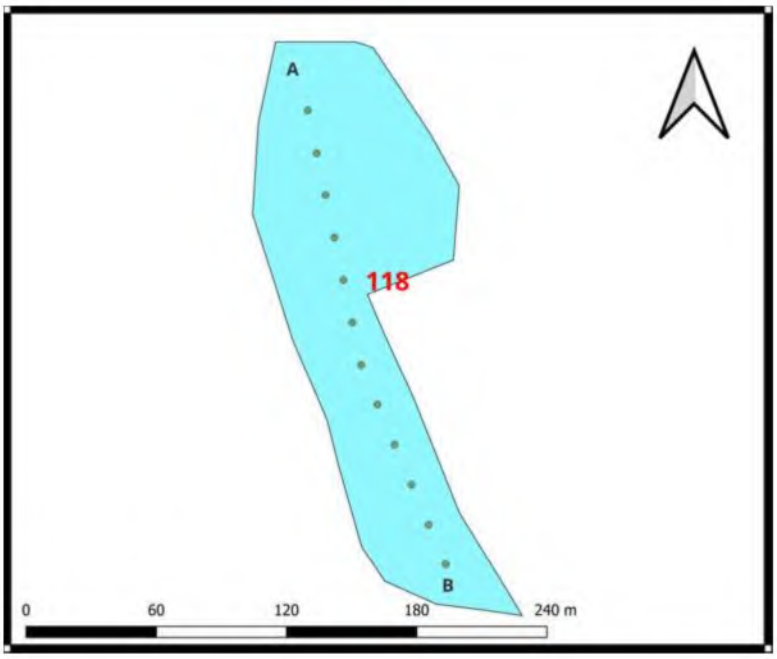


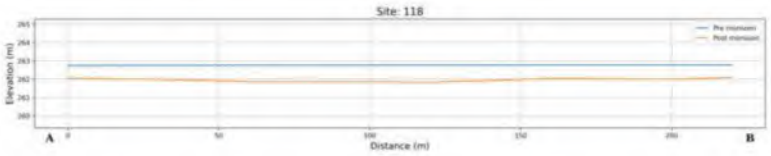


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	293.652	293.309	-0.343
2	20	293.651	293.296	-0.355
3	40	293.650	293.292	-0.359
4	60	293.652	293.298	-0.354
5	80	293.655	293.709	-0.174
6	100	293.659	293.317	-0.342
7	120	293.663	293.327	-0.337
8	140	293.667	293.337	-0.331
9	160	293.671	293.348	-0.123
10	180	293.676	293.365	-0.310
11	200	293.680	293.389	-0.291
12	220	293.684	293.411	-0.272
13	240	293.691	293.432	-0.259
14	260	293.708	293.448	-0.260
15	280	293.733	293.461	-0.272
16	300	293.750	293.485	-0.265
17	320	293.756	293.518	-0.238
18	340	293.760	293.541	-0.219
19	360	293.764	293.553	-0.210
20	380	293.767	293.567	-0.200
21	400	293.770	293.629	-0.141
22	420	293.774	293.879	0.105
23	440	293.777	294.284	0.507

24	460	293.781	294.531	0.750
25	480	293.784	294.589	0.805
26	500	293.788	294.598	0.810
27	520	293.791	294.602	0.811
28	540	293.794	295.019	1.038
29	560	293.798	294.610	0.812
30	580	293.801	294.612	0.811
31	600	293.804	294.614	0.810
32	620	293.808	294.920	1.299
33	640	293.811	294.621	0.810
34	660	293.814	294.624	0.810
35	680	293.817	294.628	0.811
36	700	293.820	295.058	1.114
37	720	293.823	294.636	0.813
38	740	293.827	294.640	0.813
39	760	293.830	294.644	0.814
40	780	293.833	294.867	1.243
41	800	293.836	294.651	0.815
42	820	293.839	294.655	0.816
43	840	293.842	294.659	0.816
44	860	293.846	295.061	1.264
45	880	293.848	294.666	0.817
46	900	293.850	294.668	0.818
		Avg Deposited		0.769
		Avg Eroded		-0.287

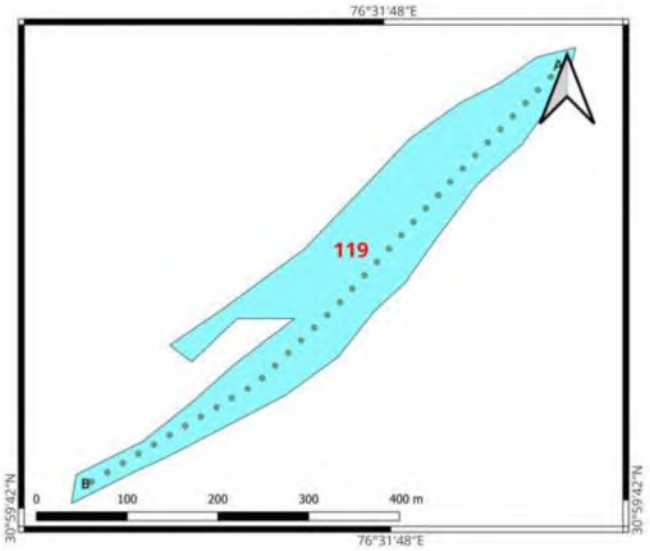
Site: 118

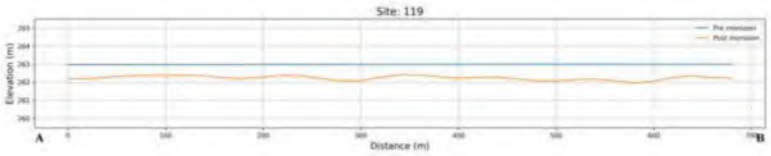




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	262.748	262.047	-0.701
2	20	262.750	262.014	-0.736
3	40	262.753	261.949	-0.803
4	60	262.756	261.856	-0.900
5	80	262.759	261.848	-0.910
6	100	262.761	261.860	-0.901
7	120	262.764	261.832	-0.932
8	140	262.767	261.914	-0.853
9	160	262.771	262.048	-0.723
10	180	262.774	262.024	-0.750
11	200	262.777	262.001	-0.776
12	220	262.779	262.078	-0.700
		Avg Deposited		NA
		Avg Eroded		-0.807

Site: 119

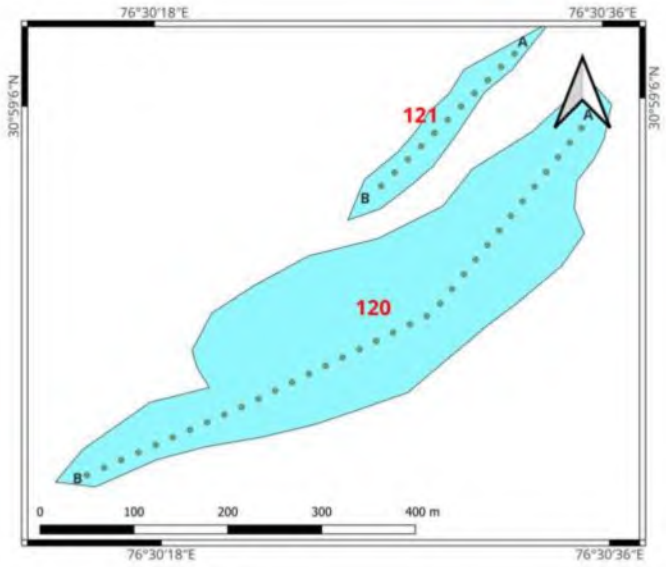


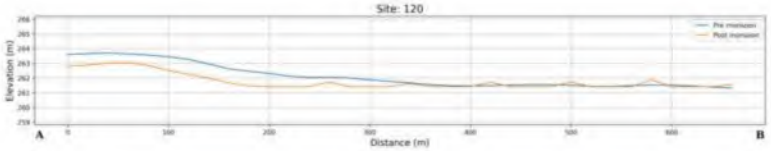


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	262.972	262.190	-0.782
2	20	262.972	262.183	-0.788
3	40	262.972	262.267	-0.705
4	60	262.974	262.351	-0.622
5	80	262.975	262.368	-0.607
6	100	262.976	262.352	-0.624
7	120	262.977	262.392	-0.585
8	140	262.978	262.356	-0.622
9	160	262.979	262.228	-0.751
10	180	262.980	262.197	-0.783
11	200	262.982	262.284	-0.697
12	220	262.983	262.377	-0.606
13	240	262.984	262.346	-0.638
14	260	262.984	262.192	-0.792
15	280	262.986	262.060	-0.925
16	300	262.987	262.080	-0.907
17	320	262.989	262.262	-0.727
18	340	262.990	262.409	-0.581
19	360	262.991	262.403	-0.588
20	380	262.992	262.288	-0.704
21	400	262.993	262.214	-0.780
22	420	262.994	262.252	-0.742
23	440	262.995	262.271	-0.724
24	460	262.996	262.175	-0.820

25	480	262.996	262.069	-0.927
26	500	262.996	262.062	-0.934
27	520	262.995	262.135	-0.861
28	540	262.995	262.166	-0.828
29	560	262.994	262.064	-0.931
30	580	262.994	261.961	-1.032
31	600	262.992	262.046	-0.946
32	620	262.992	262.270	-0.722
33	640	262.991	262.344	-0.647
34	660	262.990	262.247	-0.743
35	680	262.990	262.211	-0.778
		Avg Deposited		NA
		Avg Eroded		-0.756

Site: 120

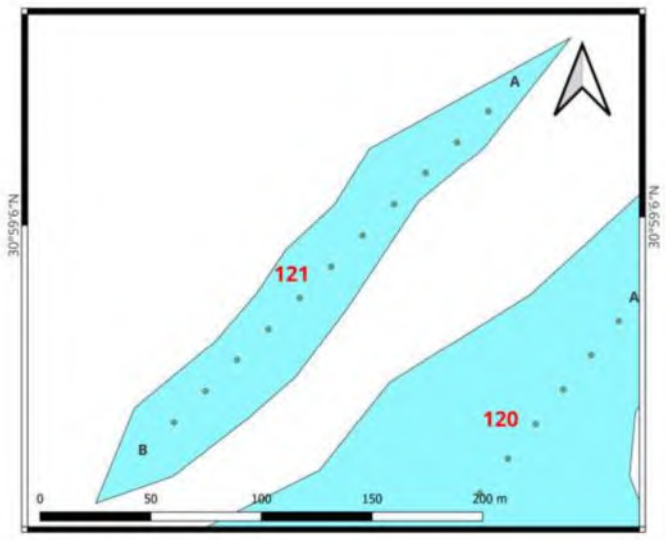


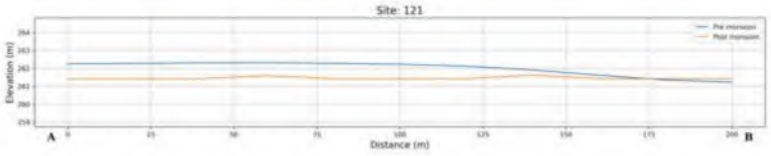


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	263.602	262.792	-0.810
2	20	263.660	262.882	-0.778
3	40	263.688	263.018	-0.670
4	60	263.645	263.041	-0.605
5	80	263.553	262.854	-0.699
6	100	263.441	262.508	-0.933
7	120	263.273	262.246	-1.026
8	140	262.953	261.998	-0.954
9	160	262.617	261.664	-0.953
10	180	262.459	261.462	-0.996
11	200	262.314	261.416	-0.898
12	220	262.122	261.412	-0.710
13	240	262.042	261.411	-0.631
14	260	262.057	261.717	-0.646
15	280	262	261.411	-0.589
16	300	261.872	261.411	-0.461
17	320	261.769	261.413	-0.356
18	340	261.669	261.626	-0.255
19	360	261.550	261.414	-0.136
20	380	261.474	261.413	-0.061
21	400	261.460	261.413	-0.047
22	420	261.477	261.706	-0.065
23	440	261.513	261.413	-0.101

24	460	261.549	261.412	-0.137
25	480	261.548	261.412	-0.137
26	500	261.502	261.728	-0.090
27	520	261.445	261.411	-0.034
28	540	261.432	261.411	-0.021
29	560	261.480	261.410	-0.069
30	580	261.520	261.873	-0.110
31	600	261.514	261.409	-0.105
32	620	261.464	261.409	-0.055
33	640	261.382	261.408	0.026
34	660	261.316	261.551	0.092
		Avg Deposited		0.059
		Avg Eroded		-0.442

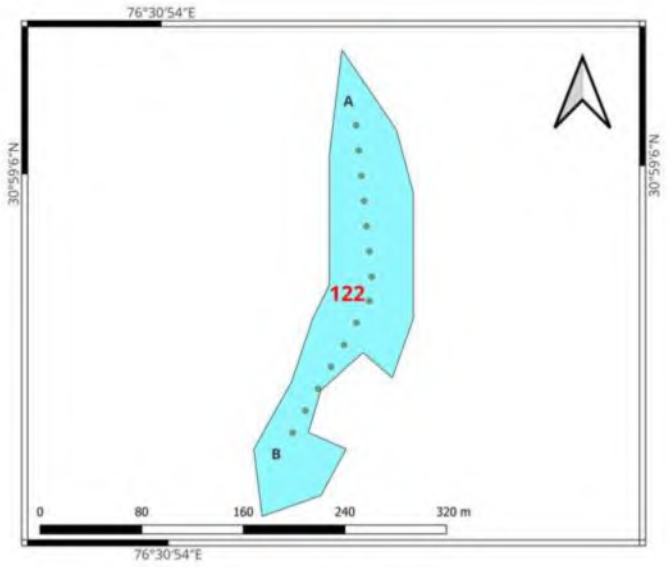
Site: 121

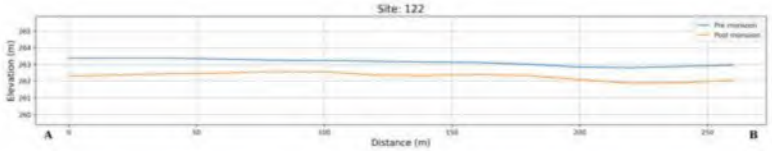




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	262.252	261.419	-0.833
2	20	262.276	261.419	-0.857
3	40	262.303	261.419	-0.884
4	60	262.311	261.587	-0.892
5	80	262.282	261.419	-0.863
6	100	262.225	261.418	-0.806
7	120	262.119	261.418	-0.700
8	140	261.907	261.620	-0.489
9	160	261.614	261.417	-0.196
10	180	261.348	261.417	0.070
11	200	261.226	261.417	0.191
		Avg Deposited		0.131
		Avg Eroded		-0.725

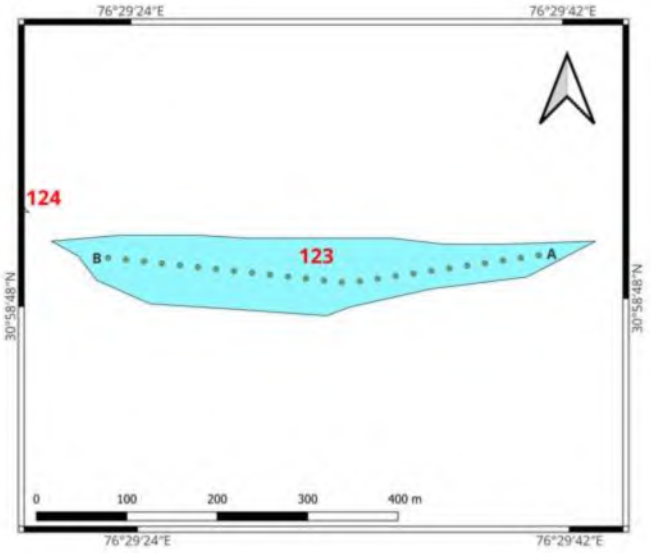
Site: 122

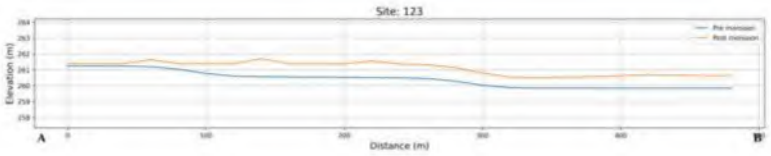




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	263.369	262.286	-1.084
2	20	263.380	262.372	-1.008
3	40	263.378	262.447	-0.931
4	60	263.321	262.481	-0.840
5	80	263.252	262.572	-0.680
6	100	263.237	262.556	-0.681
7	120	263.191	262.363	-0.829
8	140	263.144	262.328	-0.816
9	160	263.115	262.402	-0.713
10	180	263.011	262.326	-0.685
11	200	262.843	262.090	-0.753
12	220	262.800	261.877	-0.923
13	240	262.887	261.907	-0.980
14	260	262.949	262.050	-0.899
		Avg Deposited		NA
		Avg Eroded		-0.844

Site: 123

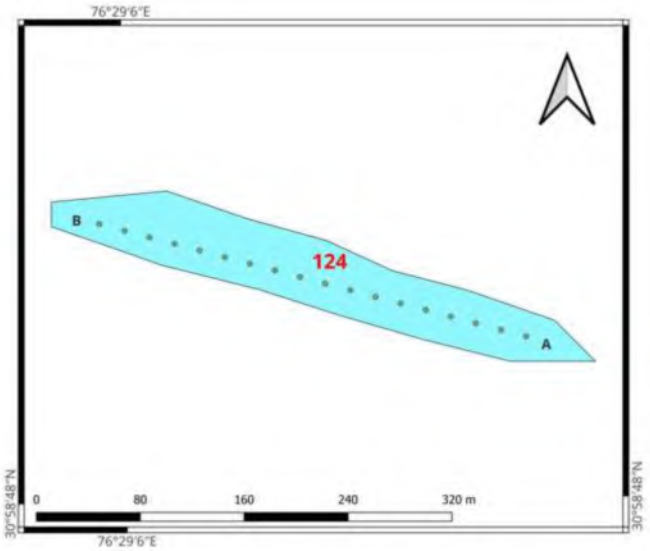


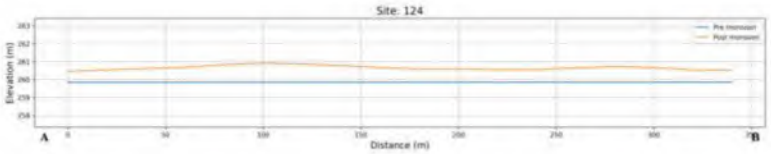


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	261.234	261.385	0.150
2	20	261.234	261.384	0.150
3	40	261.231	261.383	0.152
4	60	261.195	261.643	0.187
5	80	261.034	261.381	0.347
6	100	260.769	261.380	0.611
7	120	260.606	261.379	0.773
8	140	260.563	261.702	0.814
9	160	260.548	261.375	0.827
10	180	260.535	261.374	0.839
11	200	260.522	261.372	0.850
12	220	260.509	261.554	0.861
13	240	260.493	261.367	0.874
14	260	260.446	261.326	0.881
15	280	260.283	261.137	0.854
16	300	260.025	260.794	0.769
17	320	259.871	260.543	0.672
18	340	259.836	260.496	0.659
19	360	259.833	260.540	0.707
20	380	259.833	260.562	0.729
21	400	259.832	260.620	0.787
22	420	259.832	260.690	0.857
23	440	259.832	260.663	0.831
24	460	259.832	260.625	0.793

25	480	259.831	260.628	0.796
		Avg Deposited		0.671
		Avg Eroded		NA

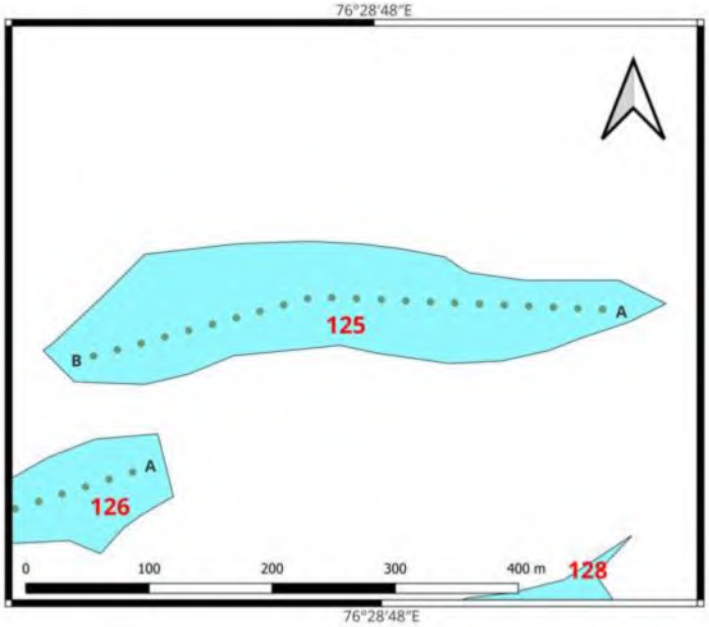
Site: 124

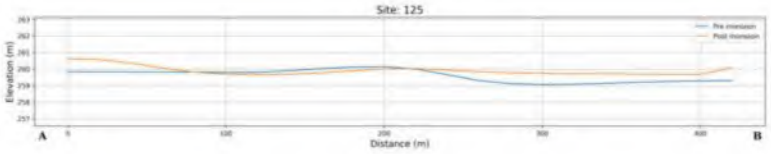




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.838	260.451	0.613
2	20	259.838	260.535	0.697
3	40	259.839	260.604	0.766
4	60	259.839	260.676	0.837
5	80	259.839	260.826	0.987
6	100	259.840	260.906	1.067
7	120	259.840	260.862	1.022
8	140	259.840	260.776	0.936
9	160	259.841	260.666	0.826
10	180	259.841	260.581	0.740
11	200	259.842	260.588	0.747
12	220	259.842	260.546	0.704
13	240	259.843	260.544	0.701
14	260	259.843	260.643	0.800
15	280	259.844	260.721	0.877
16	300	259.845	260.664	0.820
17	320	259.845	260.531	0.686
18	340	259.846	260.510	0.663
		Avg Deposited		0.805
		Avg Eroded		NA

Site: 125

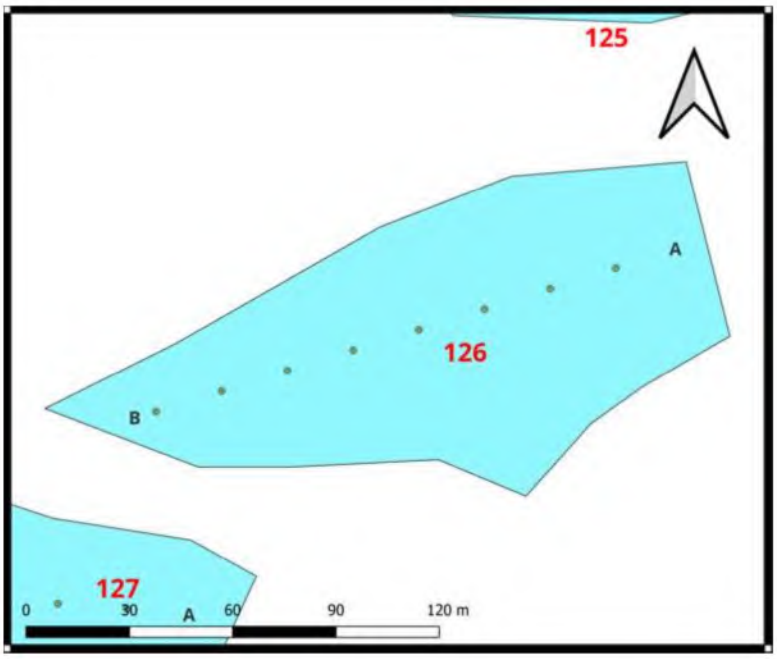


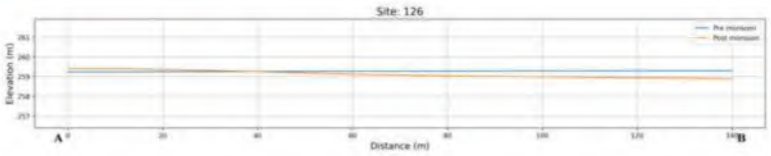


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.836	260.610	0.774
2	20	259.830	260.572	0.742
3	40	259.819	260.361	0.542
4	60	259.814	260.054	0.240
5	80	259.811	259.810	-0.002
6	100	259.791	259.687	-0.104
7	120	259.799	259.655	-0.144
8	140	259.894	259.683	-0.211
9	160	260.022	259.768	-0.254
10	180	260.111	259.887	-0.224
11	200	260.136	260.001	-0.135
12	220	260	260.024	0.023
13	240	259.650	259.936	0.286
14	260	259.297	259.834	0.537
15	280	259.109	259.772	0.663
16	300	259.056	259.740	0.684
17	320	259.075	259.719	0.644
18	340	259.131	259.704	0.573
19	360	259.195	259.692	0.497
20	380	259.248	259.683	0.435
21	400	259.282	259.675	0.394
22	420	259.298	260.067	0.374
		Avg Deposited		0.494

		Avg Eroded		-0.153

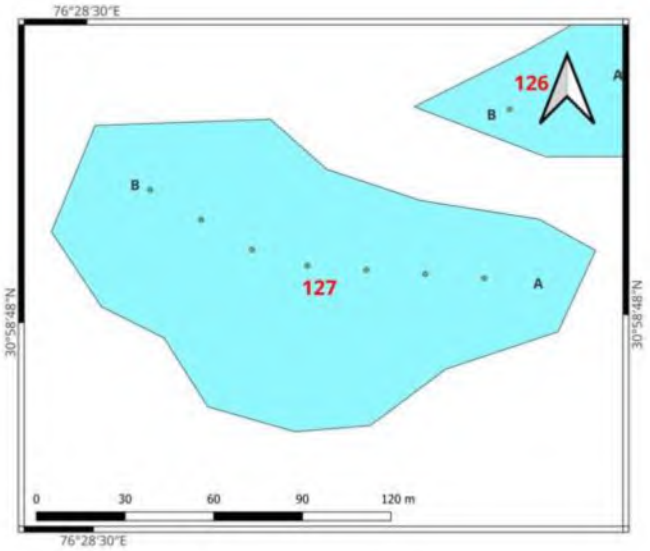
Site: 126

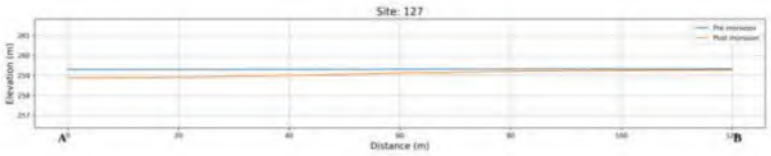




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.240	259.423	0.184
2	20	259.249	259.368	0.120
3	40	259.261	259.257	-0.004
4	60	259.272	259.121	-0.151
5	80	259.281	259.034	-0.247
6	100	259.289	258.991	-0.297
7	120	259.295	258.944	-0.351
8	140	259.298	258.891	-0.408
		Avg Deposited		0.152
		Avg Eroded		-0.243

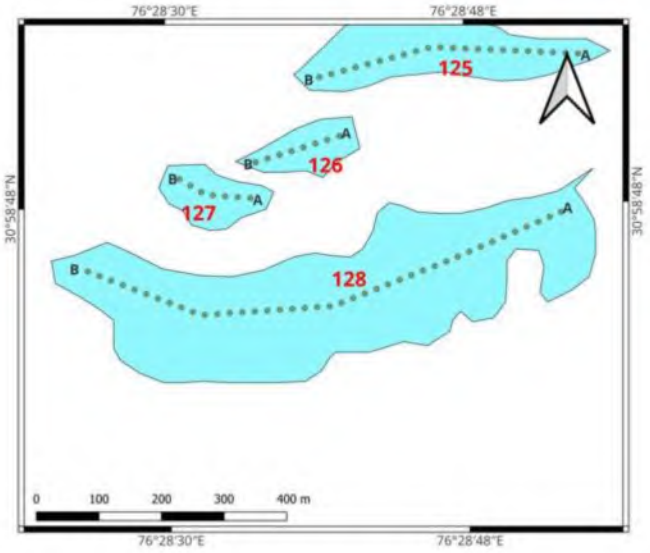
Site: 127

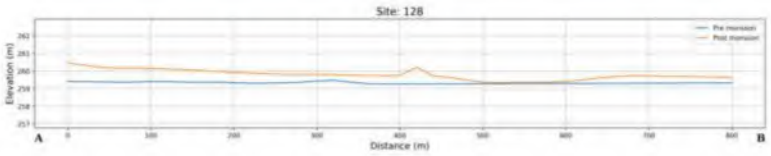




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.297	258.871	-0.426
2	20	259.300	258.904	-0.396
3	40	259.304	258.994	-0.310
4	60	259.308	259.112	-0.196
5	80	259.312	259.200	-0.112
6	100	259.316	259.247	-0.069
7	120	259.319	259.270	-0.049
		Avg Deposited		NA
		Avg Eroded		-0.223

Site: 128

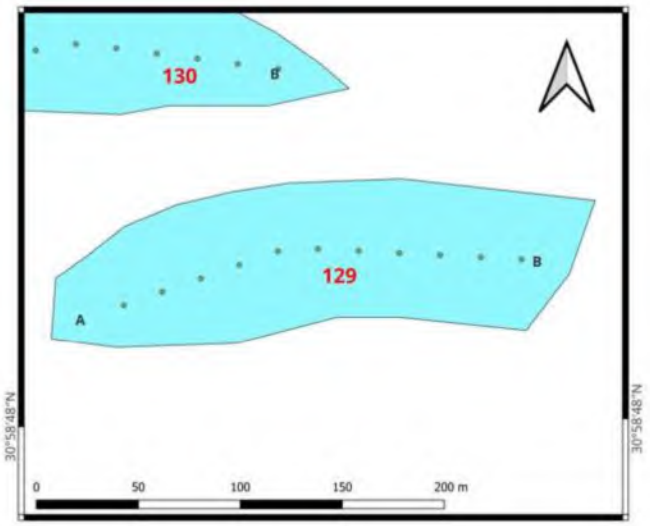


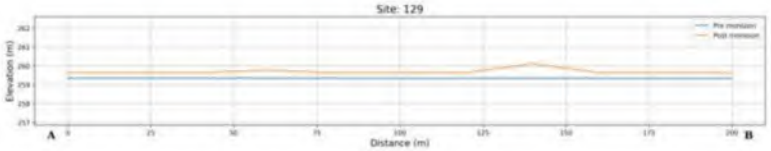


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.416	260.458	1.043
2	20	259.404	260.333	0.929
3	40	259.386	260.209	0.823
4	60	259.370	260.170	0.801
5	80	259.376	260.173	0.797
6	100	259.401	260.157	0.757
7	120	259.399	260.122	0.723
8	140	259.371	260.080	0.709
9	160	259.362	260.032	0.670
10	180	259.368	259.980	0.612
11	200	259.341	259.928	0.587
12	220	259.305	259.881	0.576
13	240	259.307	259.843	0.536
14	260	259.331	259.816	0.485
15	280	259.365	259.805	0.440
16	300	259.433	259.806	0.373
17	320	259.465	259.797	0.332
18	340	259.374	259.766	0.393
19	360	259.288	259.741	0.453
20	380	259.269	259.739	0.470
21	400	259.269	259.744	0.474
22	420	259.272	260.225	0.476
23	440	259.274	259.729	0.455
24	460	259.277	259.637	0.360

25	480	259.279	259.485	0.206
26	500	259.282	259.365	0.083
27	520	259.284	259.341	0.057
28	540	259.287	259.365	0.078
29	560	259.290	259.366	0.077
30	580	259.292	259.365	0.073
31	600	259.295	259.405	0.110
32	620	259.297	259.493	0.196
33	640	259.300	259.607	0.308
34	660	259.302	259.697	0.395
35	680	259.305	259.737	0.433
36	700	259.307	259.733	0.426
37	720	259.310	259.705	0.395
38	740	259.312	259.685	0.373
39	760	259.314	259.673	0.359
40	780	259.316	259.661	0.345
41	800	259.318	259.653	0.335
		Avg Deposited		0.452
		Avg Eroded		NA

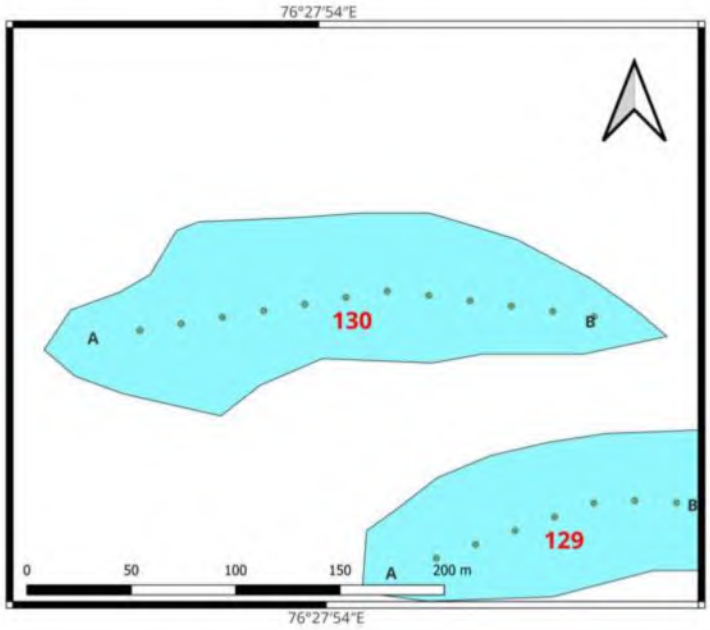
Site: 129

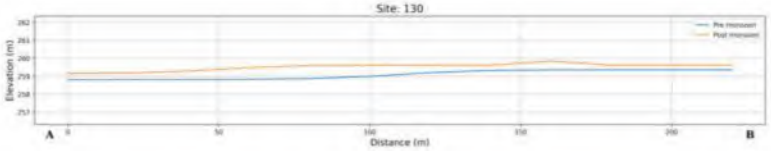




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	259.352	259.656	0.304
2	20	259.352	259.654	0.302
3	40	259.352	259.651	0.299
4	60	259.352	259.770	0.675
5	80	259.353	259.645	0.293
6	100	259.353	259.643	0.291
7	120	259.352	259.642	0.289
8	140	259.352	260.117	0.728
9	160	259.352	259.639	0.286
10	180	259.352	259.637	0.285
11	200	259.352	259.636	0.283
		Avg Deposited		0.539
		Avg Eroded		NA

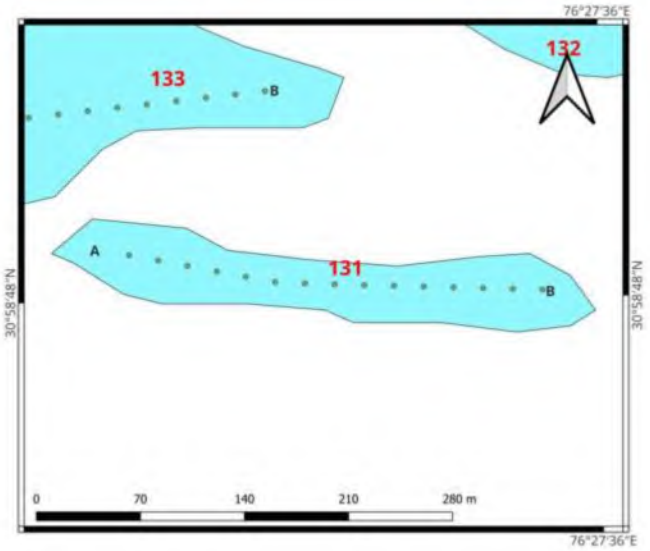
Site: 130

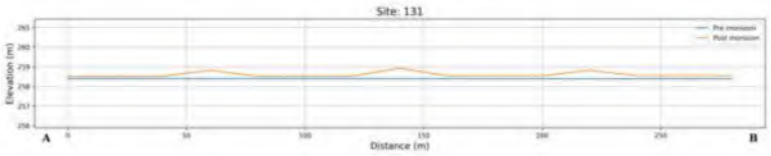




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.808	259.159	0.350
2	20	258.814	259.179	0.365
3	40	258.821	259.287	0.465
4	60	258.831	259.477	0.646
5	80	258.865	259.594	0.729
6	100	258.994	259.619	0.625
7	120	259.200	259.619	0.419
8	140	259.324	259.617	0.294
9	160	259.351	259.846	0.264
10	180	259.354	259.614	0.261
11	200	259.354	259.614	0.260
12	220	259.354	259.613	0.662
		Avg Deposited		0.412
		Avg Eroded		NA

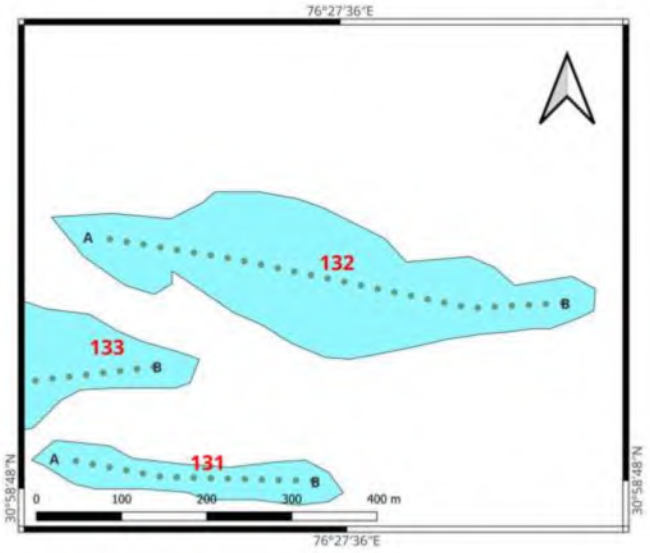
Site: 131

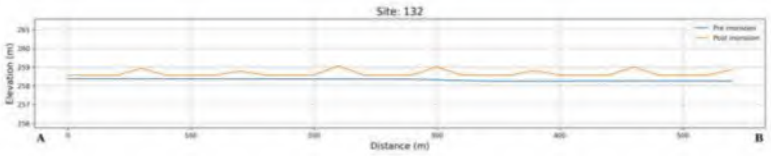




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.397	258.510	0.113
2	20	258.397	258.510	0.113
3	40	258.397	258.511	0.115
4	60	258.396	258.818	0.479
5	80	258.396	258.514	0.119
6	100	258.396	258.517	0.121
7	120	258.395	258.520	0.125
8	140	258.393	258.929	0.307
9	160	258.391	258.527	0.137
10	180	258.389	258.531	0.142
11	200	258.387	258.534	0.147
12	220	258.385	258.817	0.356
13	240	258.383	258.538	0.155
14	260	258.381	258.538	0.157
15	280	258.380	258.538	0.158
		Avg Deposited		0.133
		Avg Eroded		NA

Site: 132

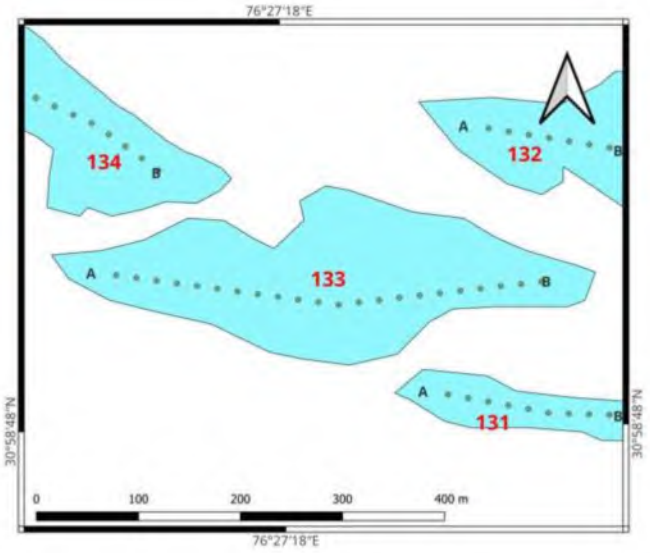


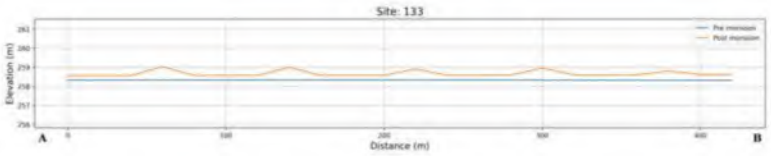


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.378	258.567	0.189
2	20	258.377	258.566	0.190
3	40	258.374	258.566	0.192
4	60	258.373	258.933	0.340
5	80	258.371	258.565	0.194
6	100	258.369	258.565	0.196
7	120	258.367	258.565	0.198
8	140	258.366	258.790	0.581
9	160	258.364	258.577	0.212
10	180	258.363	258.580	0.217
11	200	258.362	258.580	0.219
12	220	258.360	259.065	0.455
13	240	258.358	258.579	0.221
14	260	258.356	258.578	0.222
15	280	258.350	258.577	0.227
16	300	258.323	259.023	0.252
17	320	258.281	258.575	0.294
18	340	258.256	258.574	0.318
19	360	258.253	258.573	0.320
20	380	258.254	258.814	0.318
21	400	258.256	258.571	0.431
22	420	258.258	258.571	0.313
23	440	258.259	258.571	0.312
24	460	258.260	259.014	0.311

25	480	258.260	258.571	0.422
26	500	258.260	258.571	0.311
27	520	258.259	258.571	0.312
28	540	258.258	258.865	0.313
		Avg Deposited		0.253
		Avg Eroded		NA

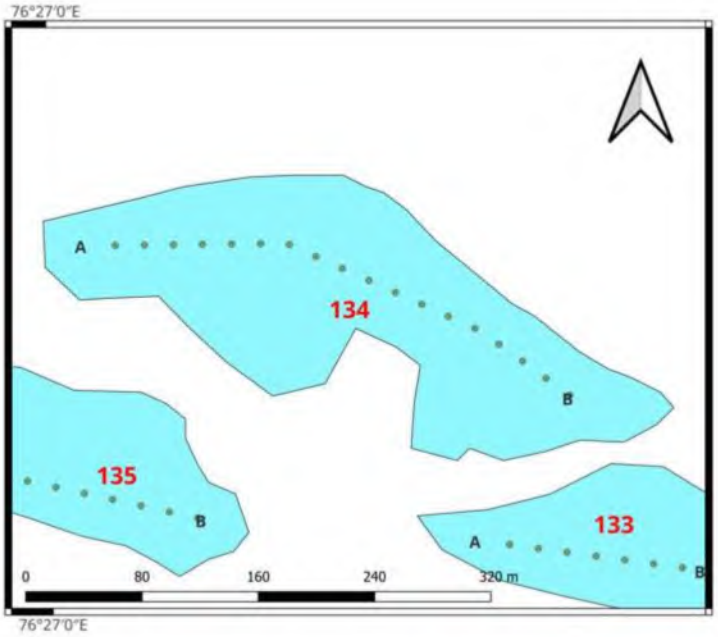
Site: 133

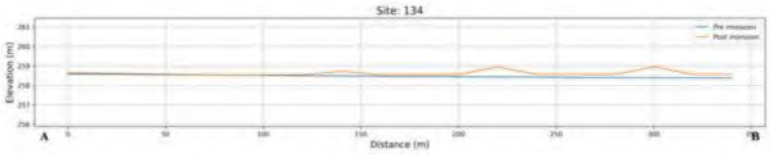




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.327	258.558	0.230
2	20	258.331	258.562	0.231
3	40	258.332	258.566	0.234
4	60	258.332	259.036	0.357
5	80	258.333	258.568	0.235
6	100	258.336	258.569	0.233
7	120	258.337	258.572	0.235
8	140	258.336	259.005	0.412
9	160	258.337	258.572	0.235
10	180	258.340	258.573	0.234
11	200	258.341	258.576	0.236
12	220	258.340	258.913	0.374
13	240	258.339	258.583	0.244
14	260	258.337	258.586	0.249
15	280	258.334	258.589	0.255
16	300	258.330	258.966	0.593
17	320	258.328	258.600	0.272
18	340	258.326	258.604	0.278
19	360	258.324	258.607	0.283
20	380	258.321	258.806	0.554
21	400	258.318	258.615	0.297
22	420	258.318	258.618	0.300
		Avg Deposited		0.252
		Avg Eroded		NA

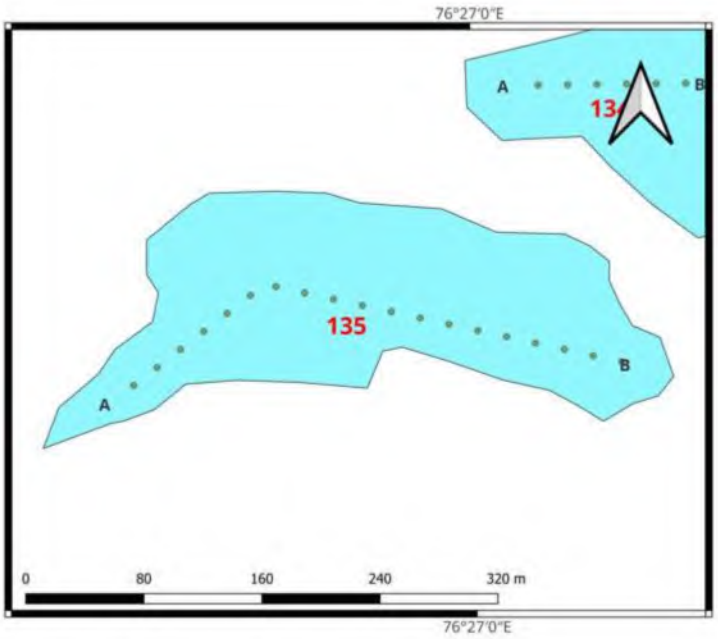
Site: 134

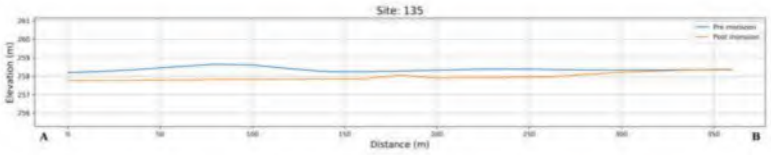




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.580	258.639	0.059
2	20	258.568	258.613	0.045
3	40	258.551	258.587	0.036
4	60	258.535	258.557	0.021
5	80	258.521	258.535	0.014
6	100	258.508	258.533	0.025
7	120	258.496	258.539	0.043
8	140	258.483	258.714	0.062
9	160	258.471	258.550	0.079
10	180	258.456	258.553	0.097
11	200	258.442	258.555	0.113
12	220	258.429	258.936	0.128
13	240	258.418	258.558	0.140
14	260	258.408	258.559	0.151
15	280	258.397	258.559	0.162
16	300	258.387	258.948	0.171
17	320	258.381	258.558	0.177
18	340	258.377	258.558	0.655
		Avg Deposited		0.095
		Avg Eroded		NA

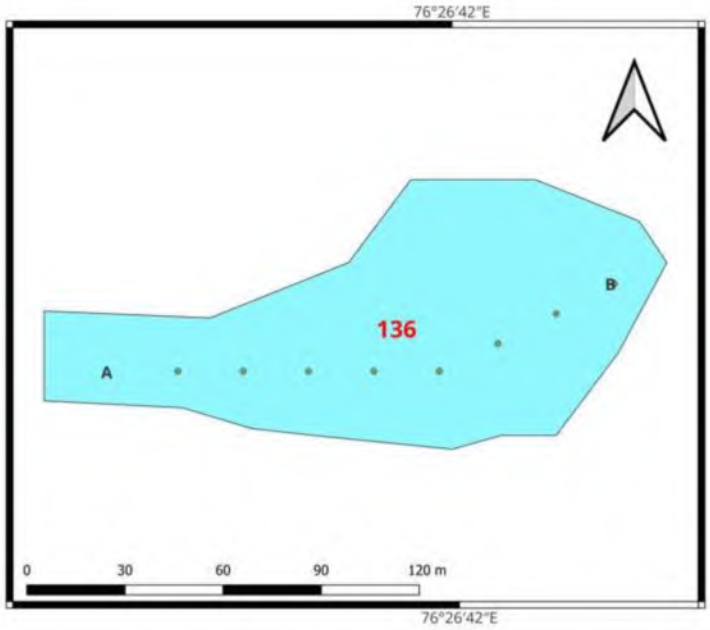
Site: 135

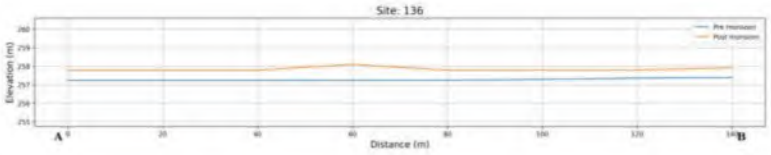




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	258.185	257.756	-0.428
2	20	258.256	257.762	-0.494
3	40	258.366	257.772	-0.594
4	60	258.515	257.788	-0.726
5	80	258.639	257.809	-0.831
6	100	258.600	257.826	-0.773
7	120	258.400	257.837	-0.563
8	140	258.241	257.844	-0.397
9	160	258.227	257.848	-0.379
10	180	258.270	258.050	-0.416
11	200	258.313	257.884	-0.429
12	220	258.361	257.923	-0.438
13	240	258.380	257.926	-0.454
14	260	258.356	257.957	-0.398
15	280	258.329	258.082	-0.247
16	300	258.321	258.197	-0.125
17	320	258.327	258.277	-0.050
18	340	258.341	258.327	-0.014
19	360	258.360	258.335	-0.025
		Avg Deposited		NA
		Avg Eroded		-0.410

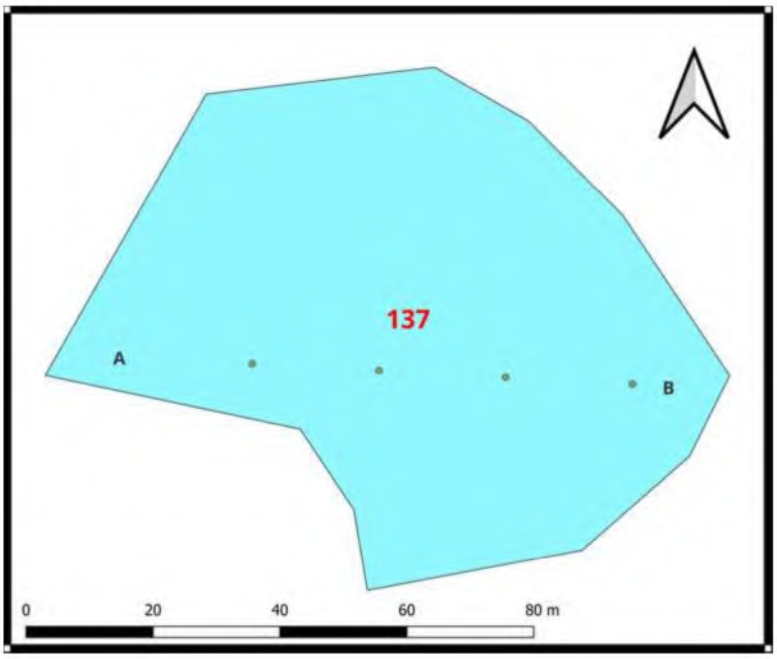
Site: 136





SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.238	257.783	0.545
2	20	257.238	257.783	0.545
3	40	257.239	257.783	0.544
4	60	257.239	258.102	0.669
5	80	257.246	257.784	0.538
6	100	257.286	257.788	0.502
7	120	257.356	257.793	0.438
8	140	257.396	257.913	0.401
		Avg Deposited		0.507
		Avg Eroded		NA

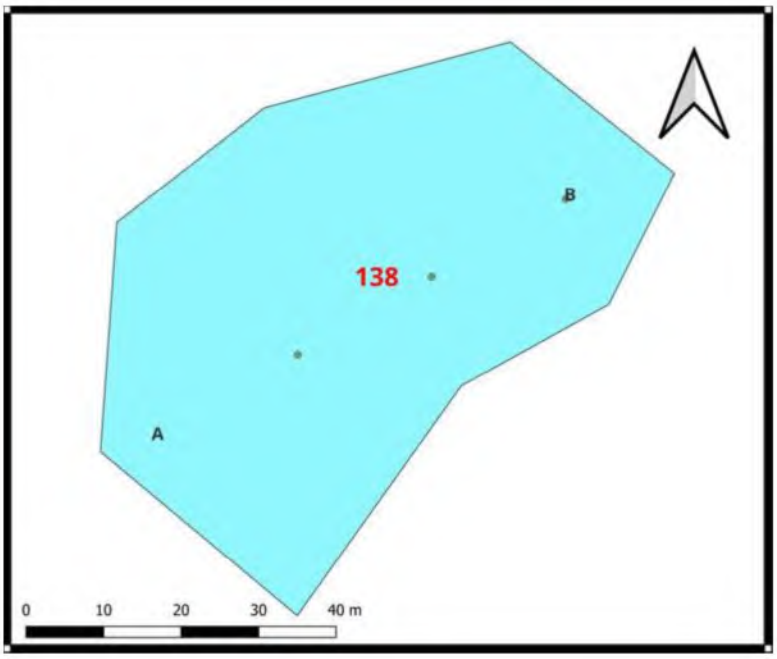
Site: 137

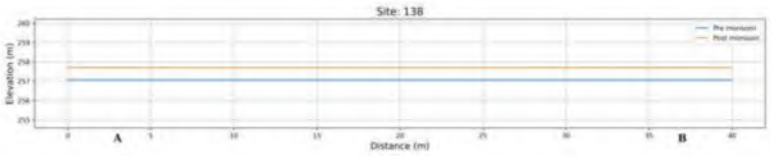




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.040	257.684	0.644
2	20	257.045	257.686	0.641
3	40	257.052	257.690	0.637
4	60	257.057	257.810	1.076
		Avg Deposited		0.639
		Avg Eroded		NA

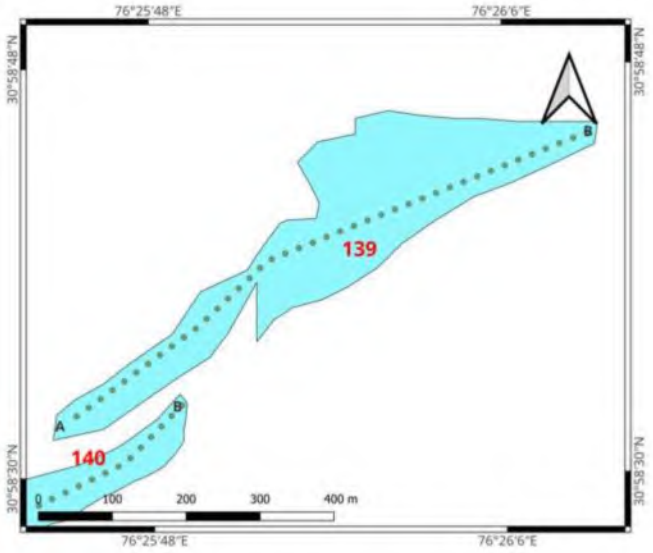
Site: 138

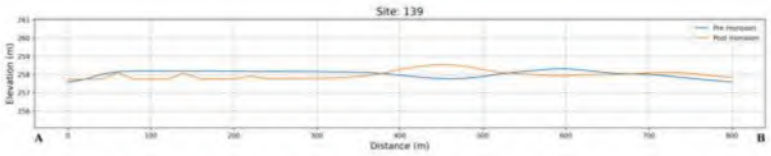




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.082	257.714	0.632
2	20	257.079	257.711	0.632
3	40	257.076	257.709	0.633
		Avg Deposited		1.010
		Avg Eroded		NA

Site: 139



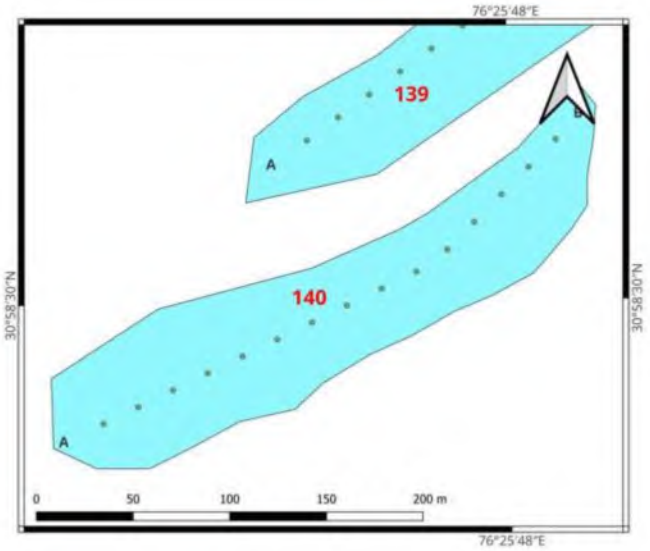


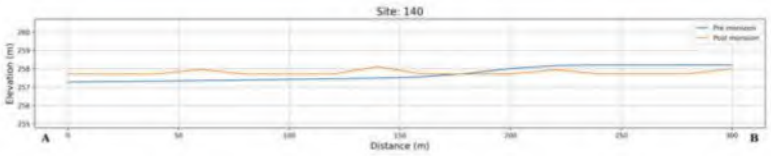
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.566	257.731	0.165
2	20	257.730	257.732	0.002
3	40	257.995	257.734	-0.260
4	60	258.152	258.108	-0.416
5	80	258.186	257.737	-0.449
6	100	258.189	257.738	-0.450
7	120	258.188	257.740	-0.448
8	140	258.186	258.075	-0.060
9	160	258.185	257.746	-0.439
10	180	258.183	257.749	-0.434
11	200	258.179	257.753	-0.426
12	220	258.172	257.904	-0.414
13	240	258.166	257.763	-0.403
14	260	258.162	257.770	-0.392
15	280	258.156	257.778	-0.378
16	300	258.149	257.789	-0.360
17	320	258.139	257.806	-0.333
18	340	258.126	257.842	-0.284
19	360	258.105	257.927	-0.178
20	380	258.050	258.081	0.031
21	400	257.959	258.270	0.311
22	420	257.863	258.428	0.565
23	440	257.788	258.524	0.737
24	460	257.757	258.538	0.781

2291

25	480	257.787	258.441	0.653
26	500	257.883	258.262	0.380
27	520	258.020	258.113	0.094
28	540	258.133	258.046	-0.087
29	560	258.206	257.988	-0.219
30	580	258.285	257.932	-0.352
31	600	258.314	257.938	-0.377
32	620	258.239	257.973	-0.266
33	640	258.136	257.992	-0.144
34	660	258.062	258.005	-0.056
35	680	258.029	258.039	0.010
36	700	258.001	258.084	0.083
37	720	257.929	258.113	0.183
38	740	257.829	258.095	0.266
39	760	257.742	258.013	0.271
40	780	257.658	257.900	0.242
41	800	257.585	257.839	0.254
		Avg Deposited		0.296
		Avg Eroded		-0.334

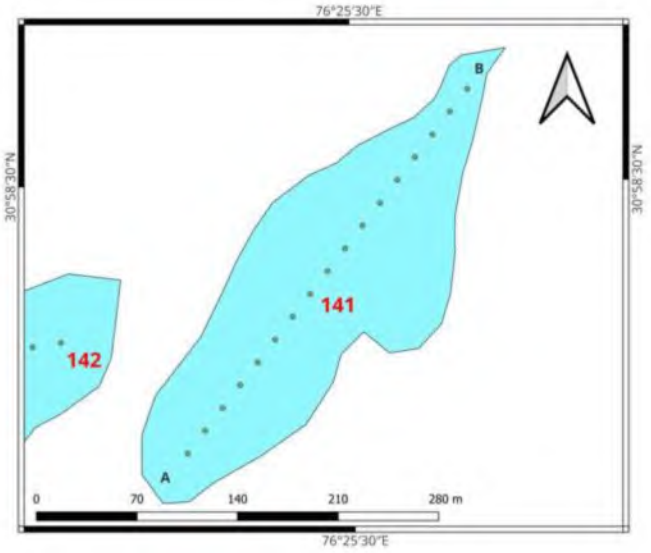
Site: 140

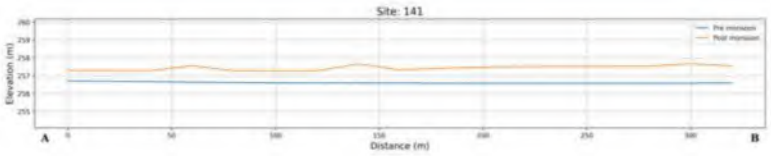




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.276	257.712	0.436
2	20	257.299	257.712	0.413
3	40	257.324	257.711	0.387
4	60	257.353	257.959	0.358
5	80	257.385	257.711	0.326
6	100	257.419	257.712	0.293
7	120	257.453	257.712	0.259
8	140	257.490	258.115	0.222
9	160	257.557	257.712	0.155
10	180	257.739	257.712	-0.027
11	200	258.010	257.714	-0.296
12	220	258.170	257.945	-0.454
13	240	258.205	257.719	-0.486
14	260	258.207	257.722	-0.485
15	280	258.207	257.725	-0.482
16	300	258.206	257.993	-0.276
		Avg Deposited		0.317
		Avg Eroded		-0.387

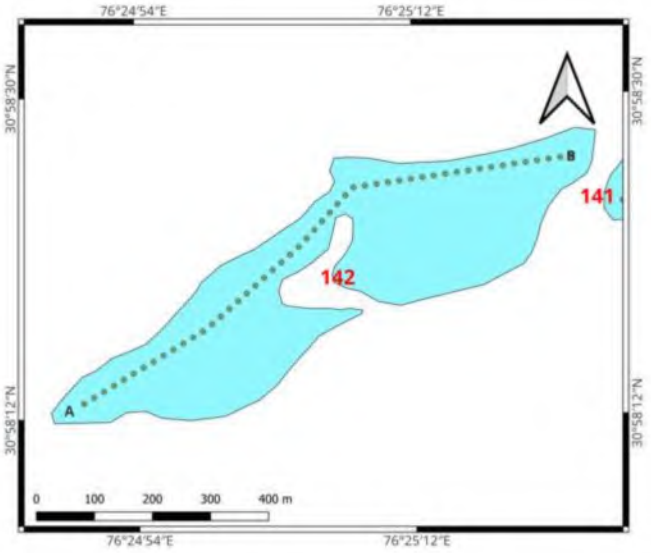
Site: 141

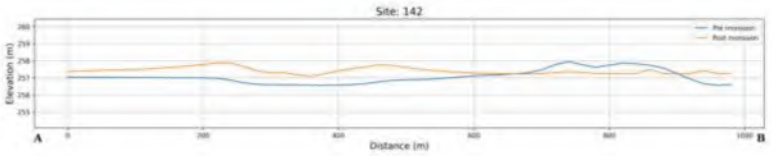




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	256.705	257.292	0.587
2	20	256.688	257.287	0.600
3	40	256.662	257.282	0.620
4	60	256.637	257.558	0.640
5	80	256.616	257.273	0.657
6	100	256.599	257.269	0.670
7	120	256.589	257.266	0.677
8	140	256.583	257.661	0.693
9	160	256.579	257.329	0.750
10	180	256.576	257.419	0.843
11	200	256.574	257.479	0.905
12	220	256.574	257.507	0.933
13	240	256.574	257.520	0.945
14	260	256.575	257.526	0.950
15	280	256.576	257.532	0.956
16	300	256.578	257.674	1.384
17	320	256.579	257.544	0.965
		Avg Deposited		0.785
		Avg Eroded		NA

Site: 142

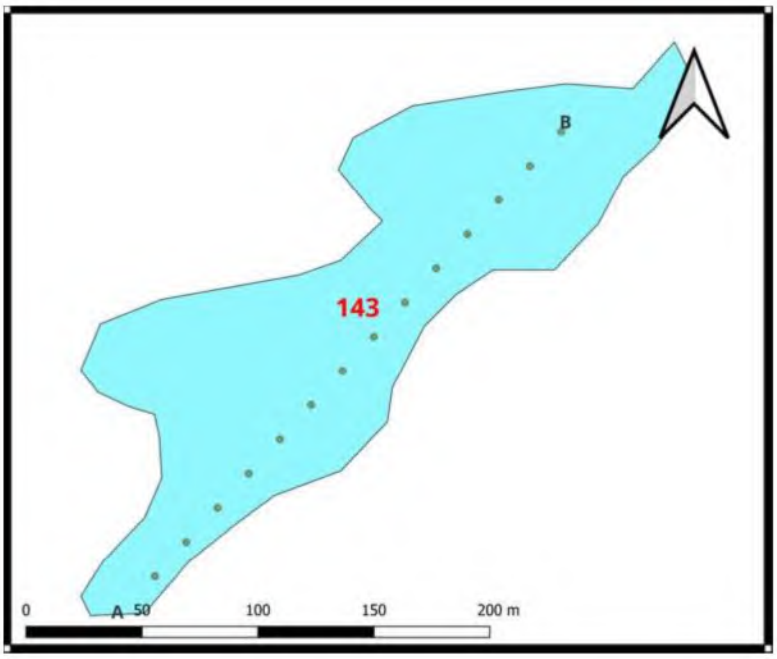


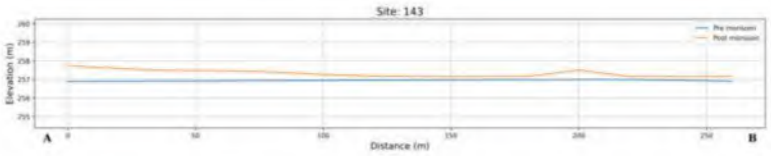


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	257.042	257.368	0.327
2	20	257.039	257.388	0.349
3	40	257.033	257.420	0.386
4	60	257.028	257.445	0.417
5	80	257.024	257.464	0.440
6	100	257.020	257.483	0.463
7	120	257.016	257.519	0.503
8	140	257.012	257.575	0.563
9	160	257.008	257.633	0.626
10	180	257.003	257.695	0.692
11	200	256.996	257.778	0.782
12	220	256.969	257.867	0.898
13	240	256.868	257.862	0.994
14	260	256.707	257.674	0.967
15	280	256.612	257.403	0.791
16	300	256.592	257.288	0.697
17	320	256.590	257.294	0.704
18	340	256.583	257.172	0.589
19	360	256.570	257.096	0.526
20	380	256.565	257.228	0.663
21	400	256.573	257.424	0.852
22	420	256.592	257.530	0.937
23	440	256.657	257.649	0.993
24	460	256.765	257.757	0.992

25	480	256.847	257.721	0.873
26	500	256.881	257.607	0.726
27	520	256.896	257.504	0.609
28	540	256.927	257.425	0.498
29	560	256.984	257.367	0.383
30	580	257.053	257.322	0.269
31	600	257.115	257.282	0.167
32	620	257.149	257.253	0.105
33	640	257.178	257.238	0.060
34	660	257.229	257.231	0.003
35	680	257.300	257.230	-0.069
36	700	257.464	257.246	-0.218
37	720	257.768	257.308	-0.460
38	740	257.942	257.361	-0.582
39	760	257.764	257.311	-0.453
40	780	257.614	257.252	-0.363
41	800	257.741	257.238	-0.503
42	820	257.856	257.238	-0.618
43	840	257.821	257.240	-0.580
44	860	257.734	257.494	-0.492
45	880	257.566	257.244	-0.322
46	900	257.264	257.246	-0.018
47	920	256.910	257.248	0.338
48	940	256.647	257.419	0.602
49	960	256.565	257.250	0.686
50	980	256.603	257.251	0.649
		Avg Deposited		0.582
		Avg Eroded		-0.390

Site: 143

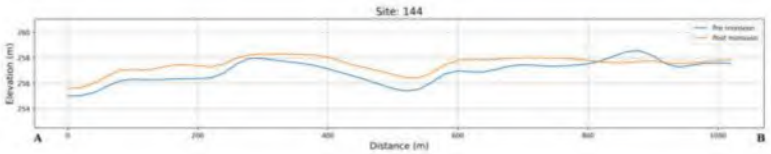




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	256.886	257.747	0.861
2	20	256.895	257.582	0.687
3	40	256.908	257.483	0.575
4	60	256.920	257.466	0.545
5	80	256.933	257.400	0.467
6	100	256.945	257.262	0.317
7	120	256.956	257.174	0.218
8	140	256.967	257.154	0.187
9	160	256.977	257.152	0.176
10	180	256.984	257.153	0.169
11	200	256.990	257.506	0.163
12	220	256.989	257.153	0.486
13	240	256.955	257.154	0.199
14	260	256.900	257.156	0.255
		Avg Deposited		0.356
		Avg Eroded		NA

Site: 144

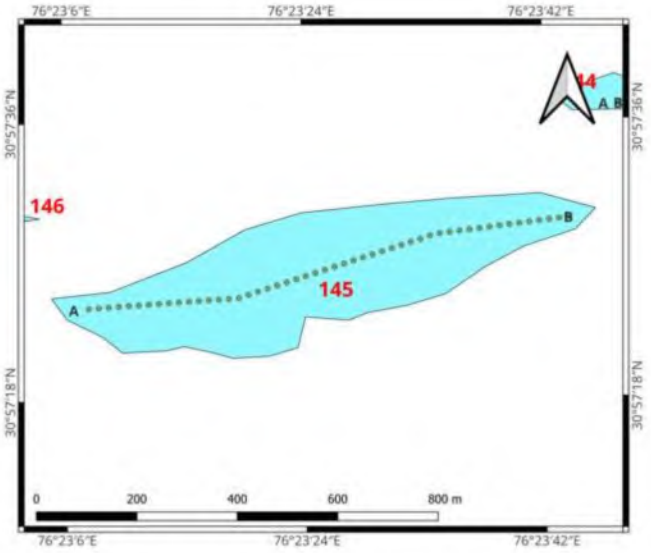


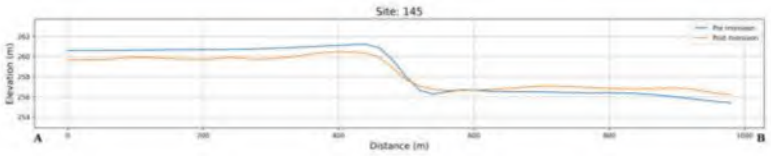


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	254.985	255.564	0.579
2	20	255.022	255.663	0.641
3	40	255.261	255.983	0.721
4	60	255.753	256.541	0.787
5	80	256.174	257.028	0.854
6	100	256.310	257.096	0.786
7	120	256.287	257.032	0.745
8	140	256.278	257.196	0.917
9	160	256.327	257.413	1.086
10	180	256.360	257.469	1.109
11	200	256.366	257.375	1.009
12	220	256.414	257.284	0.871
13	240	256.793	257.514	0.720
14	260	257.536	257.975	0.440
15	280	257.962	258.245	0.283
16	300	257.945	258.299	0.354
17	320	257.808	258.297	0.489
18	340	257.686	258.288	0.602
19	360	257.565	258.275	0.709
20	380	257.396	258.231	0.836
21	400	257.141	258.069	0.928
22	420	256.848	257.751	0.903
23	440	256.562	257.427	0.866
24	460	256.252	257.191	0.940

25	480	255.915	256.974	1.059
26	500	255.583	256.690	1.107
27	520	255.390	256.449	1.059
28	540	255.522	256.445	0.923
29	560	256.082	256.837	0.755
30	580	256.739	257.456	0.717
31	600	256.975	257.809	0.834
32	620	256.902	257.861	0.959
33	640	256.894	257.851	0.958
34	660	257.106	257.889	0.784
35	680	257.360	257.953	0.593
36	700	257.462	257.995	0.533
37	720	257.408	258.003	0.594
38	740	257.337	257.990	0.653
39	760	257.353	257.968	0.615
40	780	257.422	257.914	0.492
41	800	257.526	257.804	0.278
42	820	257.755	257.674	-0.081
43	840	258.136	257.615	-0.521
44	860	258.491	257.626	-0.865
45	880	258.557	257.711	-0.846
46	900	258.174	257.762	-0.413
47	920	257.527	257.624	0.097
48	940	257.269	257.538	0.268
49	960	257.424	257.603	0.179
50	980	257.574	257.713	0.139
51	1000	257.596	257.803	0.207
52	1020	257.572	257.846	0.273
		Avg Deposited		0.686
		Avg Eroded		-0.545

Site: 145

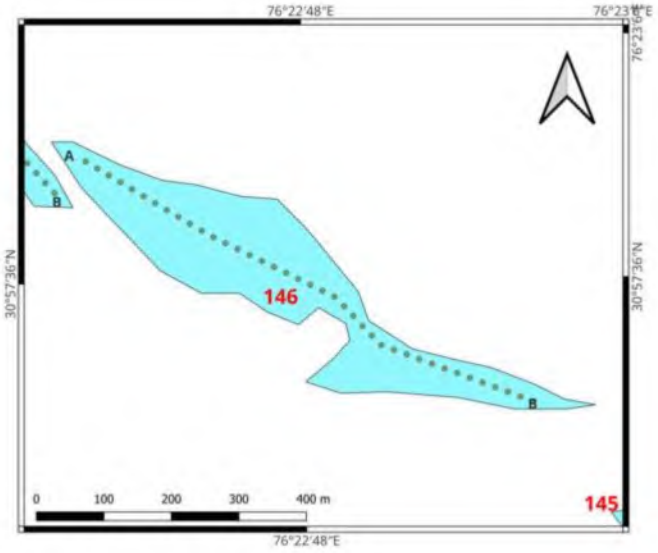


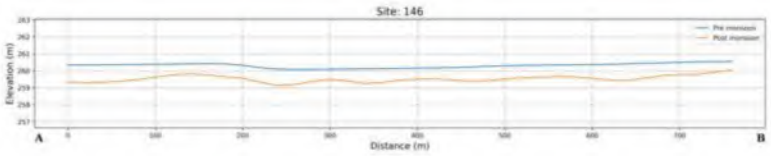


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	260.585	259.626	-0.959
2	20	260.593	259.667	-0.926
3	40	260.602	259.674	-0.928
4	60	260.610	259.728	-0.882
5	80	260.617	259.842	-0.775
6	100	260.625	259.932	-0.693
7	120	260.637	259.903	-0.734
8	140	260.654	259.824	-0.830
9	160	260.668	259.777	-0.892
10	180	260.678	259.748	-0.930
11	200	260.686	259.708	-0.978
12	220	260.692	259.796	-0.896
13	240	260.700	259.899	-0.801
14	260	260.720	259.806	-0.914
15	280	260.760	259.731	-1.029
16	300	260.801	259.778	-1.023
17	320	260.841	259.877	-0.964
18	340	260.906	260.059	-0.847
19	360	260.978	260.254	-0.724
20	380	261.040	260.400	-0.640
21	400	261.104	260.461	-0.643
22	420	261.173	260.440	-0.734
23	440	261.216	260.339	-0.877
24	460	260.866	259.921	-0.945

25	480	259.678	258.879	-0.799
26	500	257.967	257.701	-0.266
27	520	256.648	257.045	0.397
28	540	256.259	256.749	0.490
29	560	256.486	256.628	0.142
30	580	256.681	256.622	-0.058
31	600	256.657	256.653	-0.004
32	620	256.563	256.704	0.140
33	640	256.510	256.775	0.265
34	660	256.501	256.874	0.372
35	680	256.496	256.980	0.484
36	700	256.478	257.052	0.574
37	720	256.449	257.061	0.612
38	740	256.420	257.014	0.594
39	760	256.405	256.950	0.545
40	780	256.405	256.886	0.480
41	800	256.405	256.827	0.422
42	820	256.383	256.801	0.418
43	840	256.328	256.806	0.477
44	860	256.239	256.818	0.580
45	880	256.119	256.833	0.714
46	900	255.973	256.844	0.871
47	920	255.814	256.773	0.959
48	940	255.656	256.543	0.887
49	960	255.509	256.312	0.803
50	980	255.410	256.240	0.831
		Avg Deposited		0.548
		Avg Eroded		-0.775

Site: 146

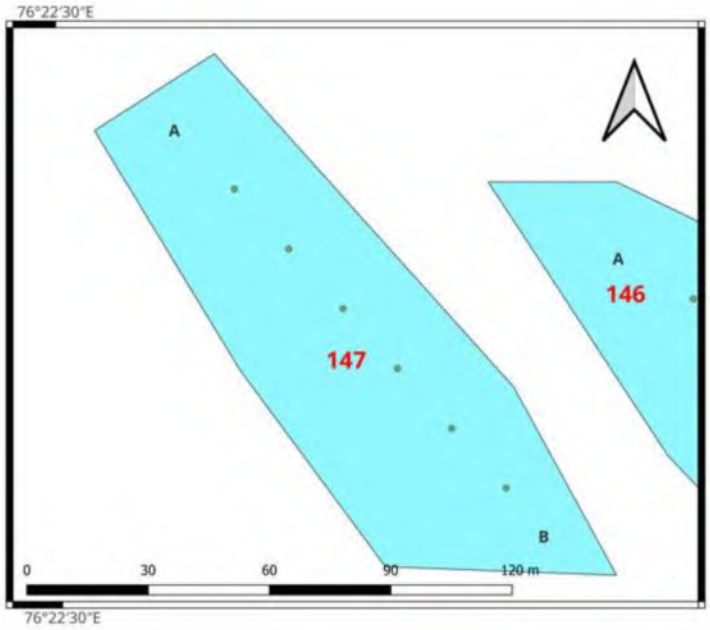


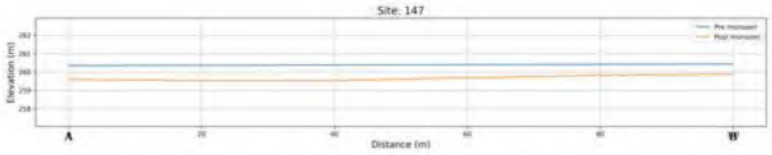


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	260.337	259.341	-0.996
2	20	260.342	259.303	-1.040
3	40	260.351	259.324	-1.027
4	60	260.361	259.380	-0.981
5	80	260.372	259.477	-0.896
6	100	260.383	259.627	-0.757
7	120	260.395	259.754	-0.641
8	140	260.407	259.821	-0.586
9	160	260.417	259.751	-0.666
10	180	260.407	259.638	-0.770
11	200	260.325	259.564	-0.761
12	220	260.182	259.325	-0.857
13	240	260.098	259.130	-0.968
14	260	260.083	259.193	-0.891
15	280	260.086	259.372	-0.714
16	300	260.093	259.490	-0.603
17	320	260.104	259.401	-0.704
18	340	260.116	259.245	-0.871
19	360	260.128	259.301	-0.827
20	380	260.141	259.450	-0.691
21	400	260.155	259.500	-0.655
22	420	260.170	259.515	-0.655
23	440	260.188	259.461	-0.727
24	460	260.219	259.393	-0.826

25	480	260.260	259.411	-0.850
26	500	260.294	259.514	-0.780
27	520	260.315	259.599	-0.716
28	540	260.328	259.617	-0.710
29	560	260.339	259.658	-0.681
30	580	260.353	259.638	-0.715
31	600	260.365	259.558	-0.808
32	620	260.380	259.446	-0.933
33	640	260.410	259.434	-0.976
34	660	260.443	259.564	-0.879
35	680	260.462	259.721	-0.741
36	700	260.495	259.771	-0.725
37	720	260.527	259.779	-0.748
38	740	260.543	259.923	-0.620
39	760	260.552	260.046	-0.506
		Avg Deposited		NA
		Avg Eroded		-0.782

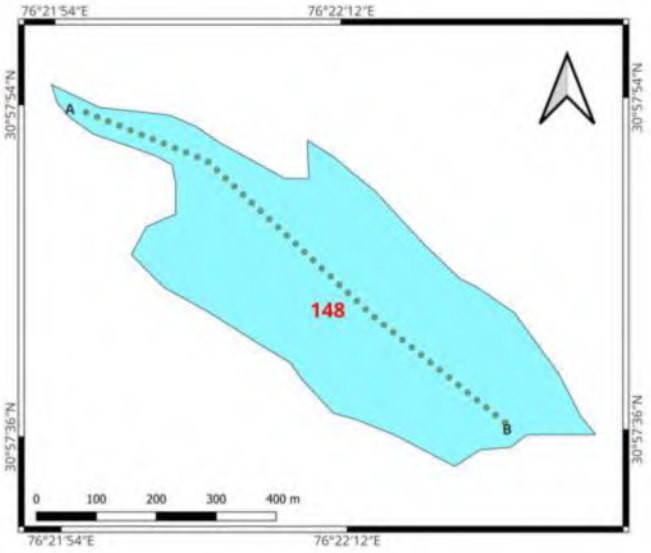
Site: 147

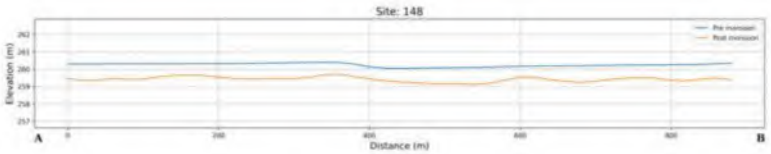




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	260.345	259.599	-0.746
2	20	260.357	259.528	-0.829
3	40	260.376	259.529	-0.846
4	60	260.397	259.686	-0.711
5	80	260.417	259.815	-0.602
6	100	260.429	259.887	-0.542
		Avg Deposited		NA
		Avg Eroded		-0.713

Site: 148

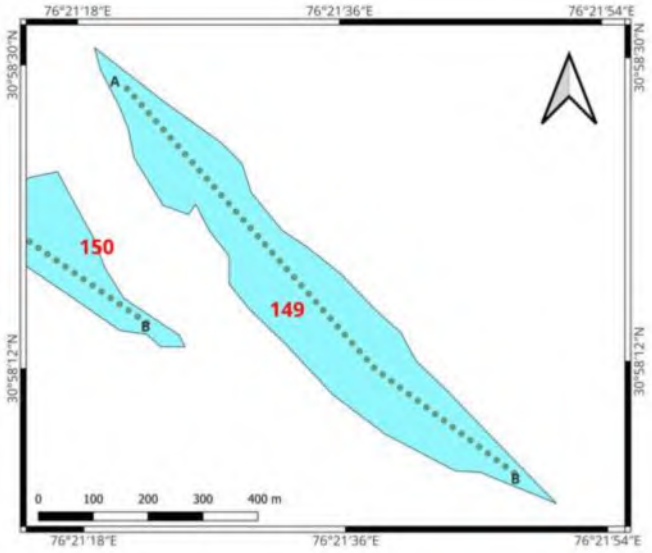


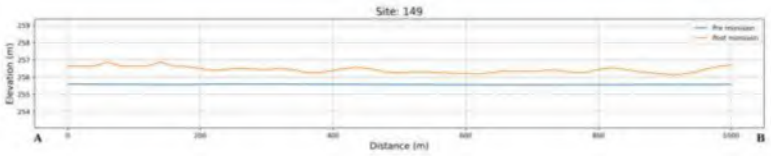


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	260.298	259.453	-0.845
2	20	260.298	259.358	-0.940
3	40	260.299	259.366	-0.933
4	60	260.302	259.459	-0.843
5	80	260.305	259.411	-0.894
6	100	260.306	259.414	-0.892
7	120	260.306	259.561	-0.745
8	140	260.308	259.630	-0.679
9	160	260.312	259.655	-0.657
10	180	260.315	259.634	-0.681
11	200	260.316	259.534	-0.782
12	220	260.319	259.454	-0.865
13	240	260.327	259.435	-0.892
14	260	260.339	259.451	-0.889
15	280	260.352	259.454	-0.898
16	300	260.366	259.448	-0.917
17	320	260.377	259.521	-0.856
18	340	260.386	259.682	-0.704
19	360	260.377	259.701	-0.676
20	380	260.291	259.573	-0.719
21	400	260.142	259.444	-0.698
22	420	260.057	259.335	-0.722
23	440	260.046	259.263	-0.783
24	460	260.055	259.225	-0.831

25	480	260.065	259.163	-0.902
26	500	260.074	259.158	-0.917
27	520	260.086	259.151	-0.935
28	540	260.098	259.114	-0.984
29	560	260.117	259.192	-0.925
30	580	260.144	259.368	-0.776
31	600	260.163	259.533	-0.630
32	620	260.174	259.535	-0.639
33	640	260.184	259.392	-0.792
34	660	260.192	259.294	-0.897
35	680	260.199	259.249	-0.950
36	700	260.208	259.294	-0.914
37	720	260.218	259.412	-0.805
38	740	260.226	259.480	-0.746
39	760	260.234	259.538	-0.696
40	780	260.243	259.477	-0.766
41	800	260.253	259.351	-0.902
42	820	260.262	259.323	-0.940
43	840	260.275	259.431	-0.845
44	860	260.307	259.485	-0.822
45	880	260.347	259.389	-0.958
		Avg Deposited		NA
		Avg Eroded		-0.824

Site: 149

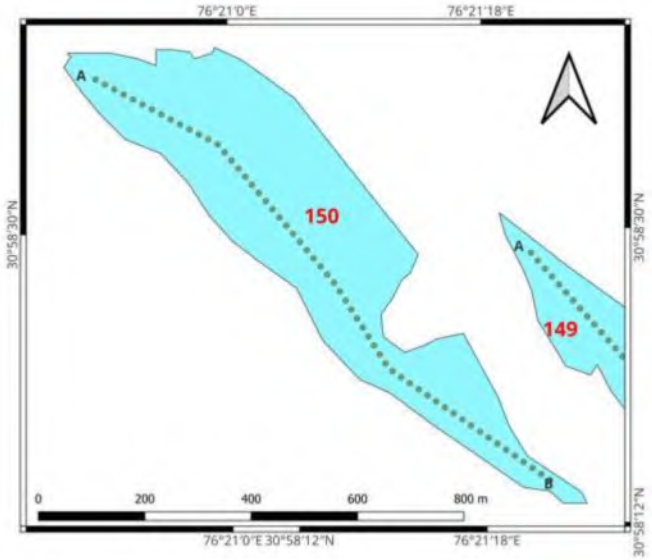


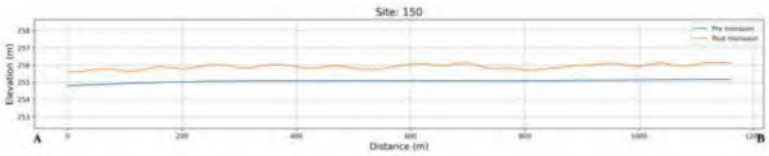


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	255.584	256.637	1.053
2	20	255.580	256.637	1.057
3	40	255.577	256.637	1.060
4	60	255.574	256.847	1.185
5	80	255.571	256.636	1.065
6	100	255.568	256.636	1.068
7	120	255.565	256.636	1.070
8	140	255.562	256.864	1.475
9	160	255.560	256.633	1.073
10	180	255.561	256.603	1.042
11	200	255.572	256.490	0.917
12	220	255.584	256.385	0.802
13	240	255.580	256.446	0.867
14	260	255.579	256.505	0.926
15	280	255.582	256.458	0.875
16	300	255.582	256.433	0.851
17	320	255.580	256.496	0.915
18	340	255.578	256.428	0.850
19	360	255.576	256.257	0.681
20	380	255.574	256.248	0.674
21	400	255.572	256.382	0.811
22	420	255.570	256.508	0.938
23	440	255.568	256.545	0.977
24	460	255.566	256.450	0.884

25	480	255.564	256.292	0.728
26	500	255.562	256.237	0.675
27	520	255.560	256.293	0.733
28	540	255.559	256.294	0.735
29	560	255.557	256.239	0.682
30	580	255.555	256.221	0.666
31	600	255.554	256.198	0.644
32	620	255.552	256.177	0.625
33	640	255.549	256.249	0.699
34	660	255.548	256.353	0.805
35	680	255.548	256.337	0.789
36	700	255.548	256.327	0.779
37	720	255.549	256.385	0.836
38	740	255.551	256.388	0.837
39	760	255.552	256.271	0.719
40	780	255.554	256.264	0.710
41	800	255.555	256.438	0.883
42	820	255.555	256.534	0.979
43	840	255.557	256.443	0.886
44	860	255.558	256.318	0.760
45	880	255.560	256.241	0.681
46	900	255.560	256.161	0.600
47	920	255.561	256.134	0.573
48	940	255.562	256.232	0.670
49	960	255.564	256.434	0.871
50	980	255.565	256.606	1.041
51	1000	255.566	256.697	1.131
		Avg Deposited		0.850
		Avg Eroded		NA

Site: 150

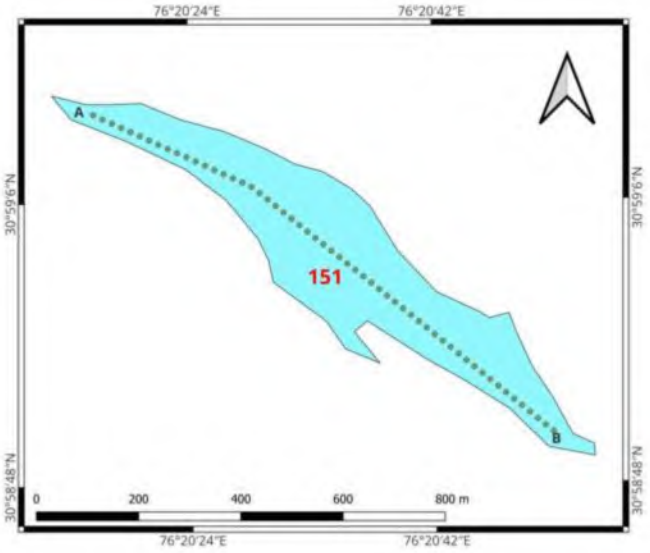


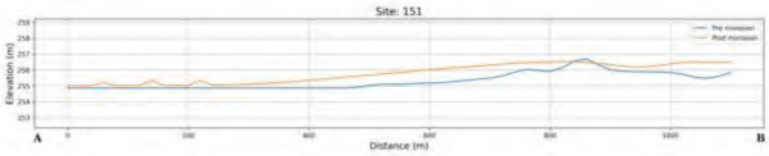


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	254.812	255.620	0.808
2	20	254.827	255.609	0.782
3	40	254.847	255.693	0.846
4	60	254.872	255.797	0.925
5	80	254.901	255.766	0.865
6	100	254.928	255.636	0.708
7	120	254.949	255.640	0.691
8	140	254.965	255.802	0.836
9	160	254.984	255.919	0.936
10	180	255.003	255.860	0.857
11	200	255.019	255.776	0.756
12	220	255.033	255.849	0.816
13	240	255.047	255.972	0.925
14	260	255.059	256.040	0.980
15	280	255.066	255.992	0.927
16	300	255.069	255.831	0.763
17	320	255.072	255.819	0.747
18	340	255.073	255.971	0.897
19	360	255.074	256.037	0.963
20	380	255.077	256.012	0.935
21	400	255.078	255.913	0.834
22	420	255.078	255.820	0.741
23	440	255.080	255.850	0.770
24	460	255.083	255.948	0.865

25	480	255.085	255.936	0.851
26	500	255.087	255.829	0.743
27	520	255.089	255.729	0.640
28	540	255.090	255.735	0.645
29	560	255.090	255.851	0.761
30	580	255.091	255.965	0.874
31	600	255.092	256.052	0.960
32	620	255.092	256.080	0.988
33	640	255.090	256.012	0.922
34	660	255.088	255.965	0.877
35	680	255.086	256.074	0.988
36	700	255.084	256.109	1.025
37	720	255.082	255.949	0.867
38	740	255.080	255.794	0.714
39	760	255.079	255.807	0.728
40	780	255.079	255.811	0.733
41	800	255.080	255.717	0.636
42	820	255.085	255.722	0.637
43	840	255.091	255.810	0.719
44	860	255.098	255.853	0.754
45	880	255.104	255.945	0.841
46	900	255.110	255.996	0.885
47	920	255.115	256.015	0.900
48	940	255.119	256.095	0.976
49	960	255.124	256.086	0.963
50	980	255.129	255.973	0.844
51	1000	255.134	255.930	0.796
52	1020	255.138	256.055	0.916
53	1040	255.143	256.114	0.971
54	1060	255.148	256.006	0.858
55	1080	255.152	255.949	0.797
56	1100	255.155	256.045	0.890
57	1120	255.159	256.140	0.981
58	1140	255.163	256.144	0.981
59	1160	255.165	256.128	0.963
		Avg Deposited		0.844
		Avg Eroded		NA

Site: 151

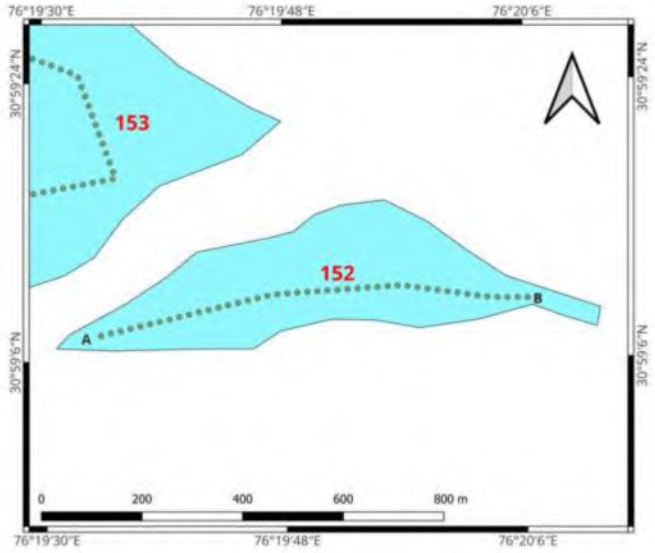


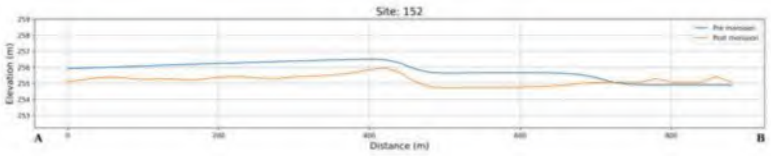


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	254.859	255.014	0.154
2	20	254.859	255.015	0.156
3	40	254.858	255.016	0.157
4	60	254.858	255.199	0.562
5	80	254.858	255.017	0.159
6	100	254.857	255.018	0.161
7	120	254.857	255.021	0.163
8	140	254.857	255.346	0.640
9	160	254.856	255.024	0.168
10	180	254.856	255.027	0.172
11	200	254.855	255.033	0.178
12	220	254.855	255.333	0.682
13	240	254.855	255.052	0.197
14	260	254.854	255.063	0.209
15	280	254.853	255.078	0.225
16	300	254.853	255.102	0.250
17	320	254.852	255.138	0.285
18	340	254.852	255.179	0.327
19	360	254.852	255.226	0.374
20	380	254.852	255.282	0.430
21	400	254.852	255.346	0.494
22	420	254.854	255.413	0.559
23	440	254.856	255.478	0.622
24	460	254.865	255.545	0.680

25	480	254.910	255.617	0.708
26	500	255.019	255.683	0.664
27	520	255.107	255.742	0.635
28	540	255.095	255.803	0.709
29	560	255.103	255.872	0.769
30	580	255.152	255.946	0.793
31	600	255.173	256.020	0.846
32	620	255.198	256.082	0.884
33	640	255.264	256.136	0.872
34	660	255.344	256.186	0.842
35	680	255.417	256.238	0.821
36	700	255.493	256.303	0.810
37	720	255.617	256.372	0.756
38	740	255.843	256.424	0.581
39	760	256.033	256.457	0.424
40	780	255.977	256.488	0.512
41	800	255.908	256.519	0.611
42	820	256.130	256.530	0.400
43	840	256.545	256.519	-0.026
44	860	256.709	256.484	-0.225
45	880	256.350	256.421	0.071
46	900	256.019	256.337	0.318
47	920	255.920	256.242	0.323
48	940	255.887	256.180	0.294
49	960	255.881	256.197	0.316
50	980	255.880	256.280	0.401
51	1000	255.847	256.383	0.536
52	1020	255.732	256.471	0.739
53	1040	255.556	256.515	0.959
54	1060	255.472	256.491	1.019
55	1080	255.599	256.460	0.861
56	1100	255.839	256.502	0.663
		Avg Deposited		0.477
		Avg Eroded		-0.125

Site: 152

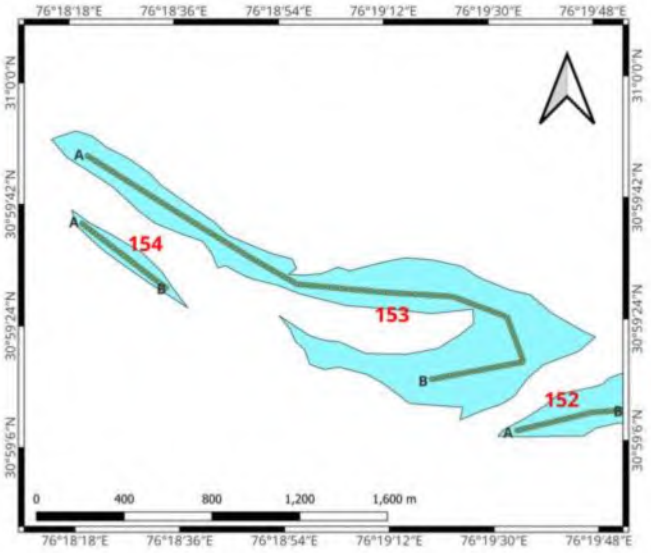


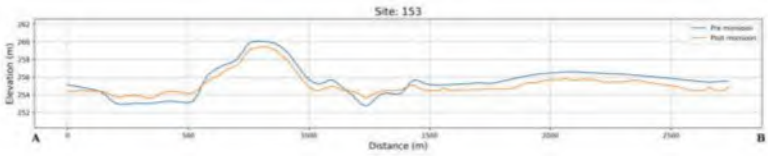


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	255.915	255.096	-0.819
2	20	255.937	255.208	-0.729
3	40	255.971	255.344	-0.627
4	60	256.006	255.385	-0.621
5	80	256.042	255.305	-0.737
6	100	256.077	255.237	-0.840
7	120	256.111	255.260	-0.851
8	140	256.146	255.252	-0.893
9	160	256.179	255.207	-0.972
10	180	256.209	255.251	-0.958
11	200	256.237	255.371	-0.866
12	220	256.263	255.412	-0.851
13	240	256.291	255.375	-0.916
14	260	256.322	255.301	-1.021
15	280	256.352	255.304	-1.048
16	300	256.382	255.398	-0.984
17	320	256.411	255.448	-0.963
18	340	256.439	255.473	-0.966
19	360	256.464	255.553	-0.911
20	380	256.486	255.655	-0.831
21	400	256.505	255.846	-0.659
22	420	256.478	255.958	-0.521
23	440	256.269	255.682	-0.587
24	460	255.903	255.118	-0.785

25	480	255.679	254.776	-0.903
26	500	255.632	254.713	-0.919
27	520	255.636	254.723	-0.913
28	540	255.649	254.738	-0.912
29	560	255.657	254.742	-0.667
30	580	255.658	254.742	-0.916
31	600	255.657	254.758	-0.899
32	620	255.652	254.789	-0.863
33	640	255.642	254.820	-0.821
34	660	255.611	254.882	-0.728
35	680	255.535	254.984	-0.550
36	700	255.359	255.048	-0.311
37	720	255.099	255.063	-0.036
38	740	254.940	255.063	0.123
39	760	254.903	255.063	0.160
40	780	254.899	255.288	0.165
41	800	254.898	255.064	0.166
42	820	254.896	255.063	0.543
43	840	254.895	255.062	0.167
44	860	254.894	255.415	0.167
45	880	254.893	255.060	0.168
		Avg Deposited		0.298
		Avg Eroded		-0.801

Site: 153





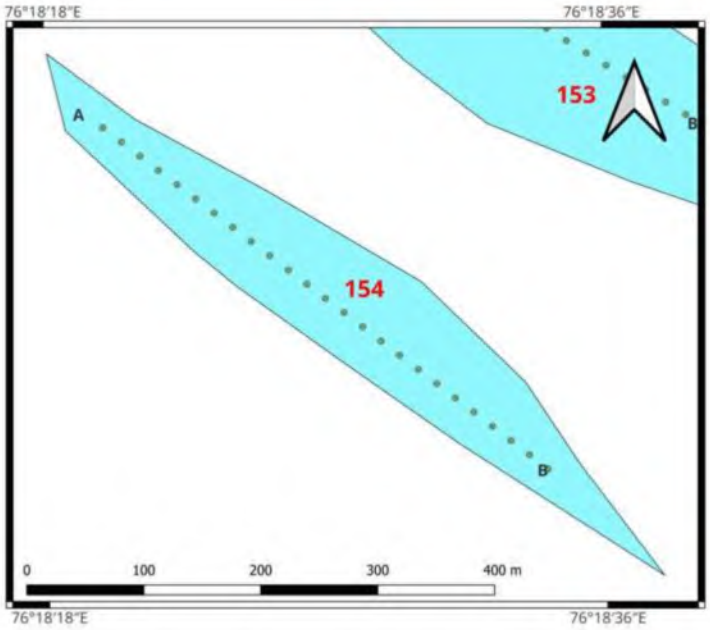
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	255.107	254.403	-0.704
2	20	255.033	254.403	-0.630
3	40	254.932	254.404	-0.528
4	60	254.828	254.550	-0.424
5	80	254.717	254.405	-0.312
6	100	254.604	254.406	-0.198
7	120	254.485	254.404	-0.081
8	140	254.304	254.372	0.068
9	160	253.921	254.226	0.305
10	180	253.378	253.976	0.598
11	200	253.020	253.779	0.759
12	220	252.915	253.734	0.819
13	240	252.924	253.852	0.928
14	260	252.972	253.924	0.953
15	280	253.019	253.917	0.898
16	300	253.026	253.865	0.840
17	320	252.997	253.702	0.704
18	340	253.003	253.604	0.601
19	360	253.074	253.719	0.645
20	380	253.154	253.996	0.842
21	400	253.218	254.265	1.047
22	420	253.257	254.387	1.130
23	440	253.253	254.388	1.135
24	460	253.194	254.324	1.130

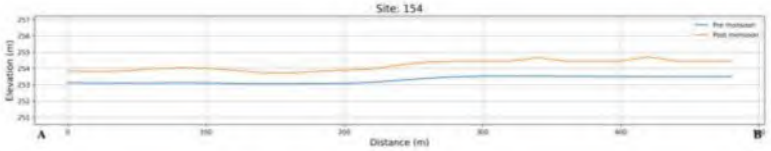
25	480	253.120	254.210	1.090
26	500	253.098	254.115	1.017
27	520	253.262	254.190	0.927
28	540	254.015	254.572	0.557
29	560	255.286	255.154	-0.133
30	580	256.191	255.555	-0.636
31	600	256.652	255.831	-0.821
32	620	256.992	256.132	-0.860
33	640	257.267	256.461	-0.807
34	660	257.470	256.830	-0.640
35	680	257.667	257.109	-0.557
36	700	257.981	257.312	-0.669
37	720	258.623	257.850	-0.773
38	740	259.495	258.753	-0.743
39	760	259.991	259.225	-0.766
40	780	260.088	259.295	-0.793
41	800	260.073	259.422	-0.651
42	820	260.017	259.445	-0.572
43	840	259.944	259.314	-0.630
44	860	259.818	259.081	-0.737
45	880	259.529	258.622	-0.907
46	900	259.086	258.130	-0.955
47	920	258.521	257.606	-0.916
48	940	257.789	256.886	-0.903
49	960	256.992	256.169	-0.823
50	980	256.280	255.484	-0.795
51	1000	255.727	254.847	-0.880
52	1020	255.375	254.525	-0.850
53	1040	255.224	254.485	-0.739
54	1060	255.332	254.618	-0.714
55	1080	255.622	254.882	-0.741
56	1100	255.673	254.970	-0.704
57	1120	255.296	254.727	-0.569
58	1140	254.785	254.516	-0.268
59	1160	254.375	254.462	0.088
60	1180	253.950	254.418	0.468
61	1200	253.386	254.221	0.836
62	1220	252.858	253.844	0.987
63	1240	252.731	253.664	0.933
64	1260	253.142	253.933	0.790
65	1280	253.699	254.284	0.585
66	1300	254.073	254.435	0.362
67	1320	254.193	254.464	0.271
68	1340	254.129	254.469	0.340
69	1360	254.055	254.476	0.422
70	1380	254.145	254.544	0.399
71	1400	254.671	254.814	0.143
72	1420	255.438	255.128	-0.311
73	1440	255.697	255.021	-0.676
74	1460	255.500	254.684	-0.816
75	1480	255.260	254.509	-0.751
76	1500	255.134	254.477	-0.656

77	1520	255.100	254.481	-0.619
78	1540	255.104	254.490	-0.614
79	1560	255.116	254.803	-0.617
80	1580	255.134	254.510	-0.175
81	1600	255.162	254.522	-0.640
82	1620	255.191	254.537	-0.654
83	1640	255.216	254.553	-0.663
84	1660	255.248	254.570	-0.678
85	1680	255.289	254.587	-0.702
86	1700	255.325	254.603	-0.722
87	1720	255.317	254.621	-0.695
88	1740	255.275	254.646	-0.629
89	1760	255.296	254.667	-0.628
90	1780	255.393	254.666	-0.727
91	1800	255.523	254.640	-0.883
92	1820	255.656	254.632	-1.024
93	1840	255.777	254.688	-1.089
94	1860	255.896	254.851	-1.045
95	1880	256.012	255.108	-0.904
96	1900	256.120	255.315	-0.805
97	1920	256.220	255.379	-0.841
98	1940	256.300	255.384	-0.916
99	1960	256.367	255.496	-0.872
100	1980	256.422	255.653	-0.769
101	2000	256.459	255.704	-0.755
102	2020	256.496	255.708	-0.788
103	2040	256.539	255.715	-0.825
104	2060	256.573	255.853	-0.858
105	2080	256.593	255.693	-0.900
106	2100	256.591	255.660	-0.931
107	2120	256.564	255.694	-0.870
108	2140	256.529	255.754	-0.775
109	2160	256.500	255.727	-0.773
110	2180	256.473	255.685	-0.789
111	2200	256.448	255.569	-0.879
112	2220	256.420	255.427	-0.993
113	2240	256.391	255.419	-0.972
114	2260	256.367	255.461	-0.906
115	2280	256.348	255.425	-0.923
116	2300	256.324	255.443	-0.881
117	2320	256.291	255.519	-0.771
118	2340	256.246	255.595	-0.651
119	2360	256.197	255.618	-0.579
120	2380	256.149	255.549	-0.601
121	2400	256.105	255.411	-0.694
122	2420	256.058	255.324	-0.734
123	2440	256.006	255.242	-0.764
124	2460	255.951	255.150	-0.800
125	2480	255.896	255.097	-0.799
126	2500	255.840	255.030	-0.811
127	2520	255.783	254.939	-0.845
128	2540	255.726	254.798	-0.928

129	2560	255.670	254.613	-1.057
130	2580	255.616	254.508	-1.108
131	2600	255.562	254.489	-1.073
132	2620	255.510	254.493	-1.017
133	2640	255.460	254.497	-0.963
134	2660	255.426	254.859	-0.929
135	2680	255.447	254.494	-0.953
136	2700	255.518	254.496	-1.022
137	2720	255.551	254.496	-1.055
138	2740	255.544	254.973	-1.051
		Avg Deposited		0.695
		Avg Eroded		-0.760

Site: 154

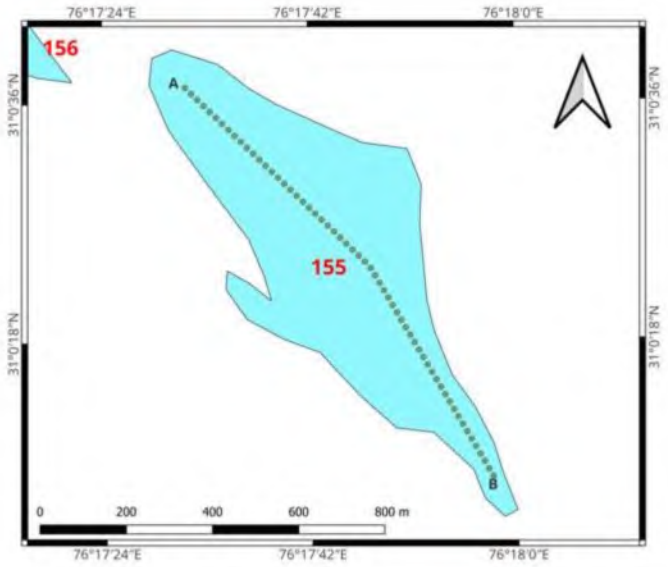


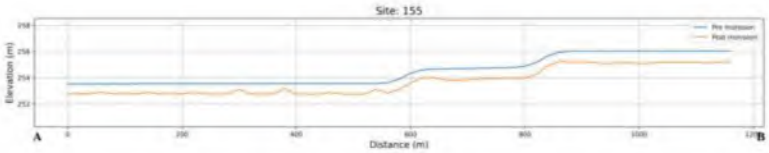


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	253.127	253.834	0.707
2	20	253.113	253.811	0.697
3	40	253.101	253.839	0.738
4	60	253.110	253.969	0.858
5	80	253.125	254.041	0.917
6	100	253.114	254.014	0.900
7	120	253.077	253.888	0.811
8	140	253.054	253.736	0.682
9	160	253.067	253.707	0.639
10	180	253.075	253.822	0.747
11	200	253.085	253.894	0.809
12	220	253.149	253.966	0.818
13	240	253.271	254.207	0.935
14	260	253.395	254.393	0.998
15	280	253.486	254.438	0.952
16	300	253.526	254.440	0.914
17	320	253.528	254.440	0.912
18	340	253.521	254.658	0.920
19	360	253.514	254.442	1.122
20	380	253.509	254.443	0.935
21	400	253.506	254.445	0.938

22	420	253.503	254.707	0.943
23	440	253.499	254.447	1.091
24	460	253.498	254.448	0.950
25	480	253.501	254.449	0.948
		Avg Deposited		0.862
		Avg Eroded		NA

Site: 155

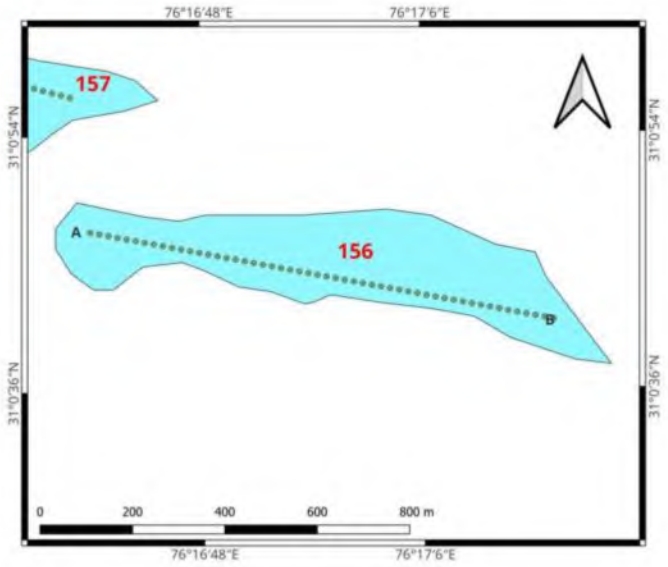


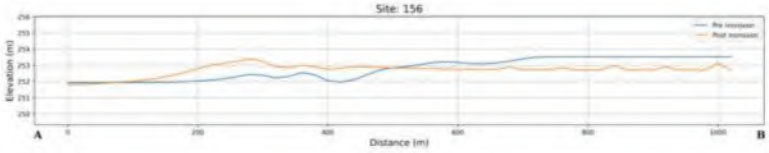


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	253.530	252.771	-0.758
2	20	253.530	252.771	-0.760
3	40	253.531	252.769	-0.762
4	60	253.532	252.882	-0.549
5	80	253.533	252.767	-0.766
6	100	253.534	252.766	-0.768
7	120	253.535	252.765	-0.771
8	140	253.536	252.867	-0.475
9	160	253.537	252.762	-0.775
10	180	253.538	252.761	-0.777
11	200	253.539	252.760	-0.779
12	220	253.539	252.862	-0.594
13	240	253.540	252.758	-0.782
14	260	253.541	252.756	-0.784
15	280	253.541	252.755	-0.786
16	300	253.542	253.108	-0.619
17	320	253.542	252.753	-0.789
18	340	253.543	252.752	-0.791
19	360	253.543	252.751	-0.793
20	380	253.544	253.168	-0.606
21	400	253.544	252.749	-0.796
22	420	253.545	252.748	-0.797
23	440	253.545	252.747	-0.798

24	460	253.545	252.861	-0.574
25	480	253.546	252.745	-0.801
26	500	253.546	252.744	-0.802
27	520	253.547	252.743	-0.804
28	540	253.552	253.098	-0.421
29	560	253.614	252.809	-0.806
30	580	253.890	253.097	-0.793
31	600	254.335	253.612	-0.723
32	620	254.592	253.972	-0.620
33	640	254.650	253.986	-0.664
34	660	254.666	253.829	-0.838
35	680	254.683	253.785	-0.898
36	700	254.700	253.852	-0.849
37	720	254.718	253.911	-0.807
38	740	254.736	253.937	-0.799
39	760	254.754	253.945	-0.809
40	780	254.776	253.964	-0.545
41	800	254.856	253.950	-0.906
42	820	255.161	254.256	-0.905
43	840	255.651	254.890	-0.761
44	860	255.946	255.224	-0.722
45	880	256.012	255.196	-0.815
46	900	256.017	255.191	-0.826
47	920	256.018	255.154	-0.864
48	940	256.018	255.074	-0.944
49	960	256.018	255.099	-0.919
50	980	256.019	255.139	-0.880
51	1000	256.020	255.083	-0.937
52	1020	256.020	255.095	-0.925
53	1040	256.020	255.169	-0.851
54	1060	256.021	255.146	-0.875
55	1080	256.022	255.157	-0.865
56	1100	256.022	255.158	-0.865
57	1120	256.023	255.125	-0.897
58	1140	256.023	255.166	-0.857
59	1160	256.023	255.214	-0.809
		Avg Deposited		NA
		Avg Eroded		-0.810

Site: 156

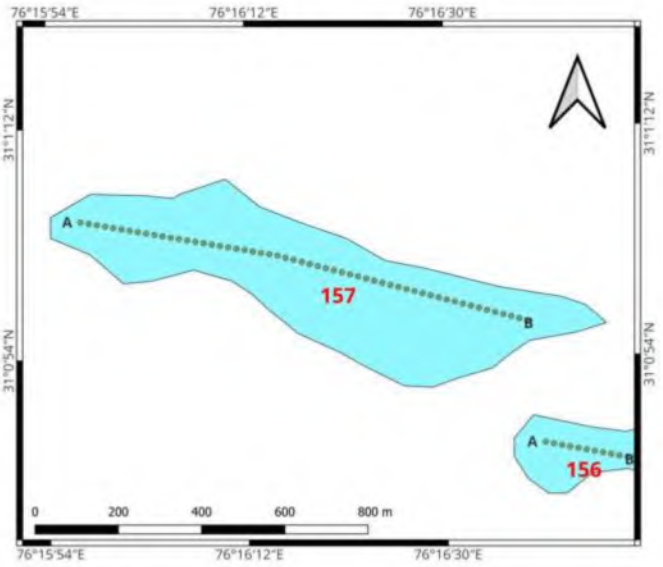


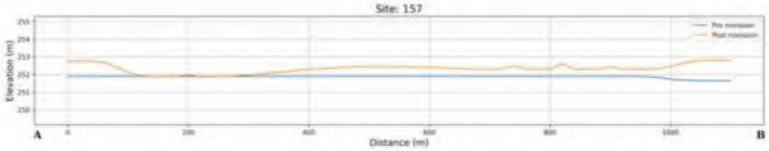


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	251.919	251.819	-0.100
2	20	251.921	251.833	-0.089
3	40	251.925	251.861	-0.063
4	60	251.929	251.899	-0.031
5	80	251.934	251.946	0.012
6	100	251.939	252.011	0.072
7	120	251.946	252.097	0.151
8	140	251.955	252.207	0.252
9	160	251.968	252.360	0.392
10	180	251.989	252.560	0.570
11	200	252.026	252.795	0.769
12	220	252.079	253.007	0.927
13	240	252.165	253.133	0.968
14	260	252.303	253.245	0.942
15	280	252.434	253.390	0.956
16	300	252.386	253.261	0.875
17	320	252.221	252.912	0.691
18	340	252.311	252.854	0.543
19	360	252.549	252.992	0.443
20	380	252.408	252.907	0.499
21	400	252.044	252.745	0.702
22	420	251.962	252.822	0.860
23	440	252.109	252.918	0.809

24	460	252.406	252.906	0.500
25	480	252.717	252.873	0.155
26	500	252.847	252.845	-0.002
27	520	252.913	252.820	-0.093
28	540	253.032	252.803	-0.229
29	560	253.165	252.790	-0.375
30	580	253.220	252.775	-0.444
31	600	253.181	252.763	-0.418
32	620	253.112	252.752	-0.360
33	640	253.097	252.746	-0.351
34	660	253.151	252.741	-0.410
35	680	253.260	252.893	-0.525
36	700	253.409	252.731	-0.678
37	720	253.497	252.728	-0.769
38	740	253.518	252.723	-0.795
39	760	253.524	252.844	-0.803
40	780	253.526	252.718	-0.808
41	800	253.527	252.715	-0.518
42	820	253.526	252.713	-0.814
43	840	253.526	253.001	-0.814
44	860	253.526	252.708	-0.818
45	880	253.525	252.704	-0.447
46	900	253.525	252.700	-0.824
47	920	253.525	252.930	-0.826
48	940	253.524	252.698	-0.826
49	960	253.524	252.696	-0.701
50	980	253.524	252.695	-0.829
51	1000	253.525	253.143	-0.830
52	1020	253.525	252.693	-0.832
		Avg Deposited		0.576
		Avg Eroded		-0.555

Site: 157

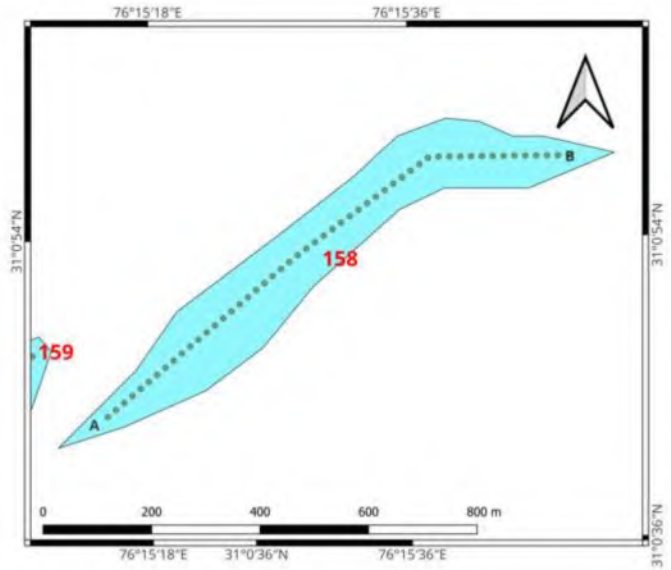


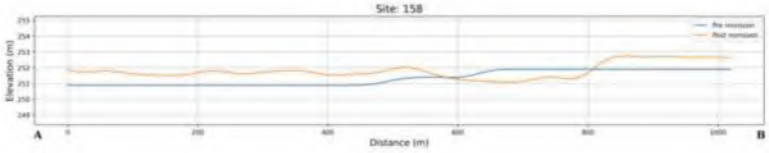


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	251.892	252.754	0.862
2	20	251.892	252.757	0.865
3	40	251.892	252.758	0.866
4	60	251.892	252.680	0.788
5	80	251.892	252.443	0.552
6	100	251.892	252.118	0.226
7	120	251.892	251.931	0.039
8	140	251.892	251.888	-0.004
9	160	251.892	251.882	-0.010
10	180	251.892	251.879	-0.013
11	200	251.892	251.996	0.273
12	220	251.892	251.874	-0.017
13	240	251.892	251.879	-0.013
14	260	251.892	251.891	-0.001
15	280	251.892	251.918	0.026
16	300	251.892	251.963	0.072
17	320	251.892	252.024	0.132
18	340	251.892	252.090	0.198
19	360	251.892	252.158	0.267
20	380	251.892	252.226	0.335
21	400	251.892	252.283	0.391
22	420	251.892	252.326	0.434
23	440	251.892	252.363	0.471

24	460	251.892	252.398	0.507
25	480	251.892	252.433	0.541
26	500	251.892	252.457	0.565
27	520	251.892	252.464	0.573
28	540	251.892	252.453	0.561
29	560	251.892	252.428	0.536
30	580	251.892	252.406	0.514
31	600	251.892	252.391	0.499
32	620	251.892	252.373	0.480
33	640	251.892	252.346	0.453
34	660	251.892	252.322	0.430
35	680	251.893	252.310	0.417
36	700	251.893	252.304	0.411
37	720	251.893	252.302	0.409
38	740	251.893	252.509	0.595
39	760	251.893	252.300	0.407
40	780	251.893	252.300	0.406
41	800	251.894	252.299	0.406
42	820	251.894	252.627	0.870
43	840	251.894	252.299	0.405
44	860	251.894	252.299	0.404
45	880	251.895	252.299	0.404
46	900	251.895	252.421	0.704
47	920	251.896	252.298	0.403
48	940	251.895	252.298	0.403
49	960	251.883	252.300	0.417
50	980	251.827	252.326	0.499
51	1000	251.732	252.442	0.709
52	1020	251.674	252.641	0.967
53	1040	251.658	252.773	1.116
54	1060	251.652	252.795	1.142
55	1080	251.647	252.782	1.136
56	1100	251.643	252.795	1.152
		Avg Deposited		0.510
		Avg Eroded		-0.010

Site: 158

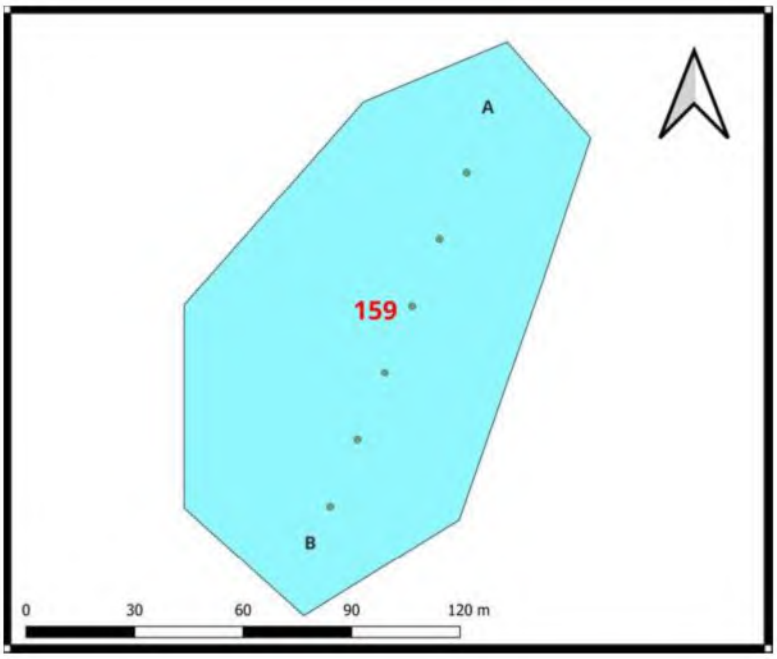


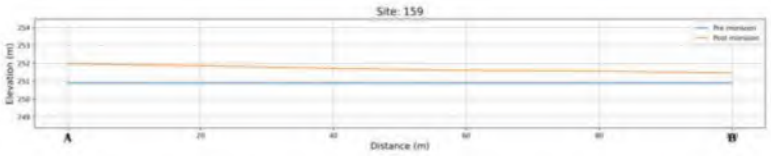


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	250.881	251.852	0.970
2	20	250.881	251.722	0.841
3	40	250.881	251.750	0.868
4	60	250.881	251.799	0.918
5	80	250.881	251.714	0.833
6	100	250.881	251.617	0.736
7	120	250.881	251.544	0.663
8	140	250.881	251.518	0.637
9	160	250.881	251.489	0.608
10	180	250.881	251.549	0.668
11	200	250.881	251.707	0.826
12	220	250.881	251.796	0.915
13	240	250.881	251.756	0.875
14	260	250.881	251.630	0.749
15	280	250.881	251.619	0.738
16	300	250.881	251.724	0.843
17	320	250.881	251.777	0.896
18	340	250.881	251.812	0.931
19	360	250.881	251.790	0.909
20	380	250.881	251.678	0.797
21	400	250.881	251.537	0.655
22	420	250.881	251.525	0.644
23	440	250.883	251.603	0.720

24	460	250.908	251.612	0.704
25	480	251.020	251.699	0.679
26	500	251.207	251.922	0.715
27	520	251.332	252.037	0.705
28	540	251.386	251.904	0.517
29	560	251.409	251.614	0.205
30	580	251.389	251.388	-0.001
31	600	251.376	251.256	-0.121
32	620	251.495	251.190	-0.305
33	640	251.724	251.153	-0.571
34	660	251.865	251.109	-0.756
35	680	251.896	251.086	-0.810
36	700	251.898	251.131	-0.767
37	720	251.898	251.284	-0.614
38	740	251.898	251.411	-0.486
39	760	251.897	251.338	-0.560
40	780	251.897	251.282	-0.616
41	800	251.897	251.658	-0.239
42	820	251.897	252.308	0.411
43	840	251.897	252.676	0.779
44	860	251.897	252.744	0.847
45	880	251.897	252.676	0.779
46	900	251.897	252.691	0.795
47	920	251.896	252.713	0.817
48	940	251.896	252.664	0.767
49	960	251.896	252.641	0.744
50	980	251.896	252.645	0.749
51	1000	251.896	252.645	0.749
52	1020	251.896	252.620	0.724
		Avg Deposited		0.748
		Avg Eroded		-0.487

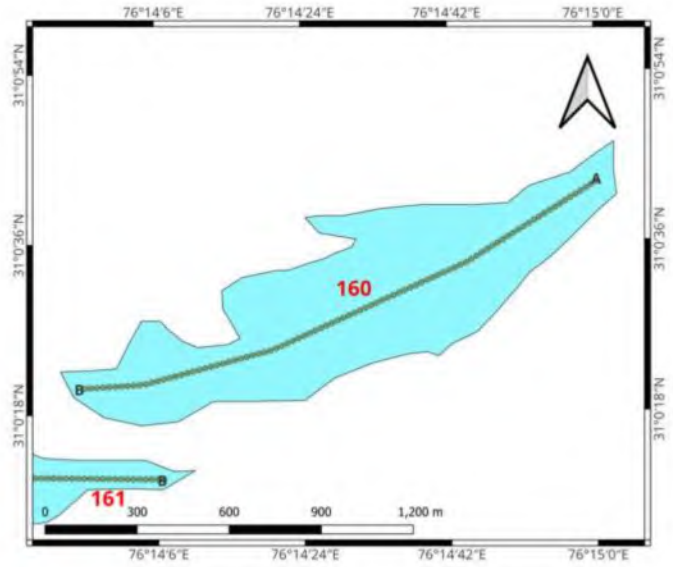
Site: 159

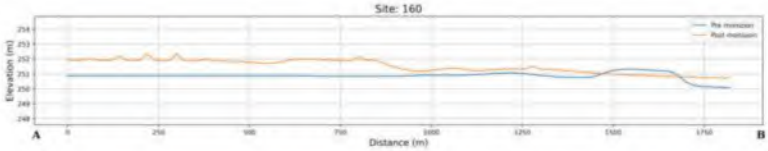




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	250.881	251.971	1.090
2	20	250.881	251.860	0.979
3	40	250.881	251.713	0.832
4	60	250.880	251.600	0.719
5	80	250.880	251.560	0.679
6	100	250.880	251.469	0.589
		Avg Deposited		0.815
		Avg Eroded		NA

Site: 160



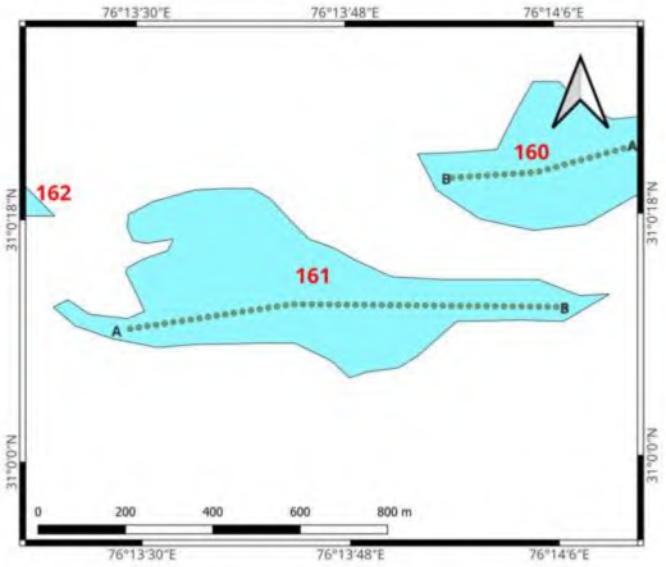


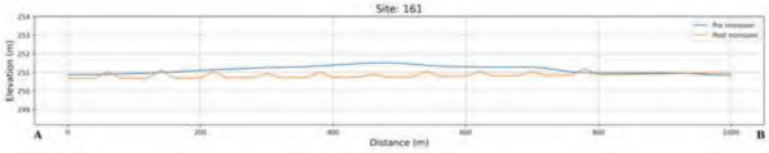
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	250.880	251.916	1.037
2	20	250.880	251.916	1.036
3	40	250.880	251.916	1.036
4	60	250.880	252.034	1.383
5	80	250.880	251.915	1.035
6	100	250.880	251.915	1.035
7	120	250.879	251.914	1.035
8	140	250.879	252.206	1.491
9	160	250.879	251.913	1.034
10	180	250.879	251.913	1.033
11	200	250.879	251.911	1.032
12	220	250.879	252.336	1.415
13	240	250.879	251.903	1.024
14	260	250.879	251.900	1.021
15	280	250.879	251.898	1.019
16	300	250.879	252.361	1.456
17	320	250.879	251.896	1.017
18	340	250.879	251.894	1.015
19	360	250.879	251.891	1.012
20	380	250.879	251.991	1.366
21	400	250.879	251.880	1.001
22	420	250.879	251.870	0.992
23	440	250.879	251.860	0.981

24	460	250.879	251.847	0.968
25	480	250.879	251.826	0.948
26	500	250.879	251.793	0.915
27	520	250.878	251.748	0.870
28	540	250.878	251.711	0.833
29	560	250.878	251.716	0.837
30	580	250.878	251.776	0.898
31	600	250.878	251.874	0.996
32	620	250.878	251.963	1.085
33	640	250.875	251.998	1.123
34	660	250.865	251.989	1.124
35	680	250.849	251.975	1.126
36	700	250.839	251.959	1.380
37	720	250.837	251.928	1.092
38	740	250.837	251.900	1.063
39	760	250.837	251.893	1.056
40	780	250.838	251.898	1.060
41	800	250.838	252.131	1.402
42	820	250.838	251.922	1.084
43	840	250.838	251.920	1.081
44	860	250.840	251.813	0.973
45	880	250.841	251.622	0.781
46	900	250.842	251.448	0.606
47	920	250.847	251.325	0.478
48	940	250.868	251.243	0.375
49	960	250.898	251.188	0.290
50	980	250.913	251.191	0.278
51	1000	250.911	251.242	0.331
52	1020	250.906	251.299	0.393
53	1040	250.903	251.350	0.447
54	1060	250.904	251.384	0.480
55	1080	250.910	251.352	0.442
56	1100	250.924	251.257	0.333
57	1120	250.947	251.209	0.263
58	1140	250.973	251.230	0.256
59	1160	251.002	251.270	0.268
60	1180	251.034	251.303	0.269
61	1200	251.060	251.322	0.262
62	1220	251.069	251.335	0.572
63	1240	251.050	251.341	0.291
64	1260	251.008	251.340	0.332
65	1280	250.952	251.511	0.380
66	1300	250.895	251.318	0.423
67	1320	250.848	251.297	0.449
68	1340	250.815	251.269	0.454
69	1360	250.794	251.237	0.443
70	1380	250.779	251.201	0.422
71	1400	250.767	251.163	0.396
72	1420	250.762	251.125	0.363
73	1440	250.786	251.087	0.301
74	1460	250.909	251.051	0.142
75	1480	251.111	251.017	-0.094

76	1500	251.241	250.986	-0.254
77	1520	251.294	250.958	-0.336
78	1540	251.326	250.933	-0.393
79	1560	251.322	250.912	-0.410
80	1580	251.283	250.895	-0.388
81	1600	251.250	250.878	-0.373
82	1620	251.224	250.859	-0.366
83	1640	251.211	250.841	-0.370
84	1660	251.139	250.825	-0.314
85	1680	250.859	250.810	-0.049
86	1700	250.464	250.795	0.331
87	1720	250.235	250.780	0.546
88	1740	250.170	250.767	0.597
89	1760	250.146	250.755	0.609
90	1780	250.122	250.744	0.622
91	1800	250.099	250.736	0.637
92	1820	250.081	250.731	0.650
		Avg Deposited		0.741
		Avg Eroded		-0.304

Site: 161

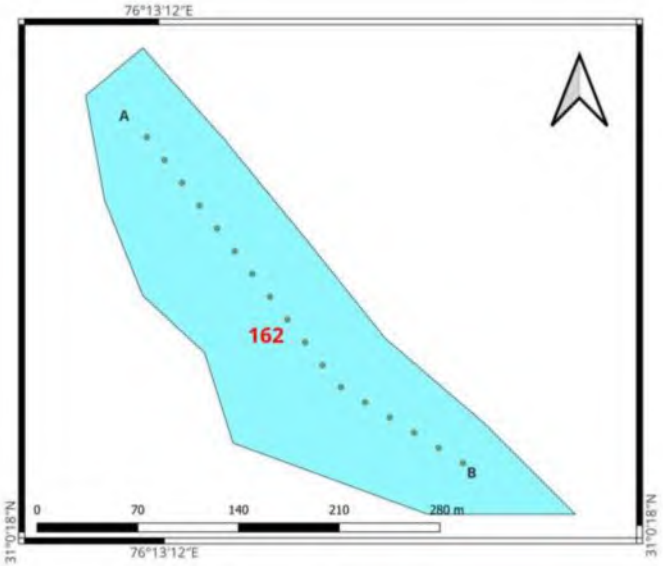


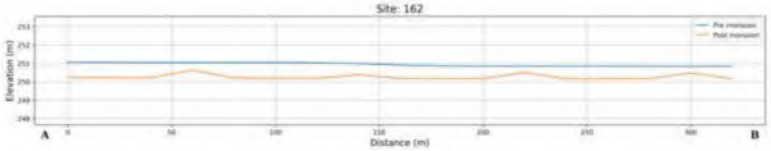


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	250.872	250.677	-0.194
2	20	250.877	250.679	-0.198
3	40	250.886	250.681	-0.206
4	60	250.900	251.056	-0.217
5	80	250.917	250.684	-0.233
6	100	250.938	250.687	-0.251
7	120	250.963	250.689	-0.275
8	140	250.994	251.120	-0.303
9	160	251.028	250.693	-0.335
10	180	251.065	250.696	-0.369
11	200	251.103	250.698	-0.404
12	220	251.136	251.059	-0.435
13	240	251.165	250.704	-0.460
14	260	251.195	250.707	-0.488
15	280	251.228	250.710	-0.518
16	300	251.254	250.941	-0.541
17	320	251.272	250.716	-0.556
18	340	251.288	250.720	-0.568
19	360	251.311	250.724	-0.588
20	380	251.349	251.021	-0.621
21	400	251.392	250.733	-0.659
22	420	251.432	250.738	-0.694
23	440	251.473	250.743	-0.731

24	460	251.505	250.914	-0.757
25	480	251.513	250.754	-0.759
26	500	251.493	250.759	-0.734
27	520	251.442	250.765	-0.677
28	540	251.383	251.068	-0.612
29	560	251.339	250.778	-0.562
30	580	251.312	250.784	-0.528
31	600	251.296	250.791	-0.505
32	620	251.284	251.066	-0.486
33	640	251.275	250.805	-0.470
34	660	251.277	250.813	-0.464
35	680	251.289	250.821	-0.468
36	700	251.282	251.051	-0.452
37	720	251.222	250.838	-0.384
38	740	251.119	250.846	-0.273
39	760	251.027	250.855	-0.172
40	780	250.984	251.188	-0.119
41	800	250.973	250.874	-0.098
42	820	250.971	250.884	-0.087
43	840	250.970	250.894	-0.076
44	860	250.970	250.905	-0.065
45	880	250.969	250.915	-0.054
46	900	250.968	250.926	-0.042
47	920	250.962	250.936	-0.025
48	940	250.935	250.947	0.012
49	960	250.889	250.958	0.069
50	980	250.855	250.968	0.113
51	1000	250.840	250.975	0.135
		Avg Deposited		0.082
		Avg Eroded		-0.398

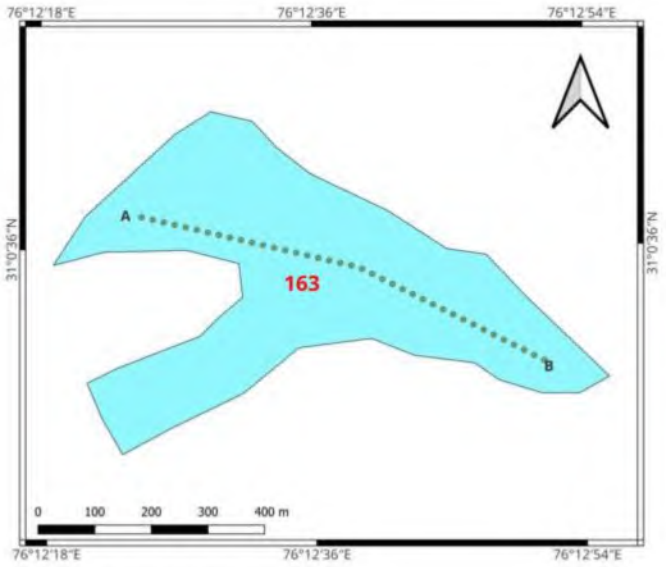
Site: 162

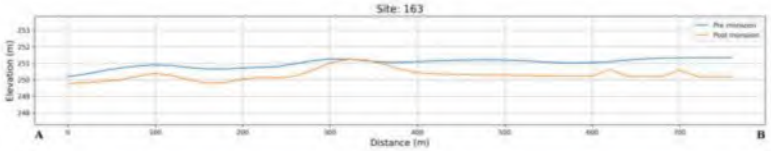




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	251.061	250.229	-0.833
2	20	251.057	250.224	-0.833
3	40	251.053	250.219	-0.834
4	60	251.050	250.635	-0.497
5	80	251.049	250.208	-0.842
6	100	251.051	250.201	-0.850
7	120	251.042	250.195	-0.847
8	140	250.993	250.384	-0.803
9	160	250.912	250.185	-0.727
10	180	250.862	250.180	-0.682
11	200	250.850	250.174	-0.676
12	220	250.848	250.503	-0.679
13	240	250.848	250.166	-0.484
14	260	250.848	250.165	-0.682
15	280	250.847	250.164	-0.683
16	300	250.846	250.484	-0.684
17	320	250.845	250.161	-0.471
		Avg Deposited		NA
		Avg Eroded		-0.756

Site: 163

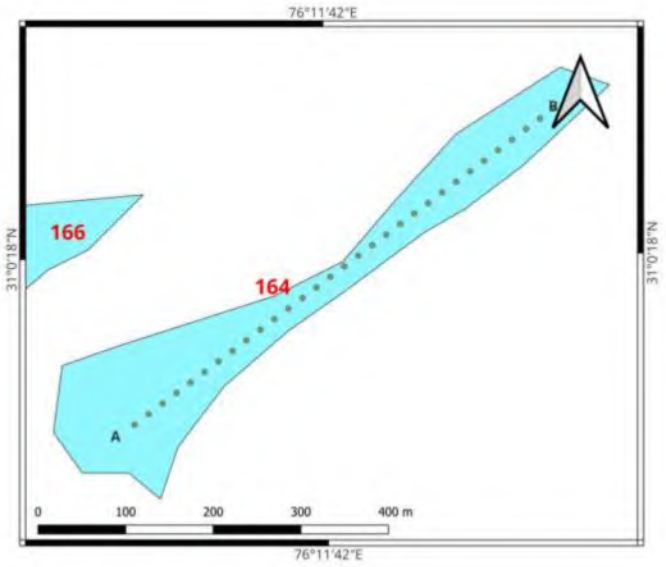


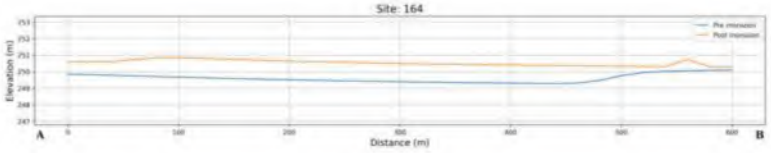


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	250.193	249.767	-0.426
2	20	250.343	249.829	-0.514
3	40	250.540	249.904	-0.636
4	60	250.709	249.990	-0.719
5	80	250.834	250.208	-0.626
6	100	250.895	250.393	-0.502
7	120	250.851	250.246	-0.605
8	140	250.734	249.978	-0.757
9	160	250.649	249.790	-0.859
10	180	250.649	249.839	-0.810
11	200	250.714	250.041	-0.673
12	220	250.749	250.137	-0.612
13	240	250.794	250.109	-0.685
14	260	250.966	250.210	-0.756
15	280	251.152	250.578	-0.575
16	300	251.256	251.020	-0.236
17	320	251.246	251.231	-0.015
18	340	251.155	251.195	0.040
19	360	251.067	250.974	-0.093
20	380	251.049	250.645	-0.404
21	400	251.098	250.432	-0.666
22	420	251.146	250.359	-0.788
23	440	251.176	250.325	-0.852

24	460	251.198	250.298	-0.899
25	480	251.202	250.279	-0.923
26	500	251.192	250.266	-0.926
27	520	251.158	250.255	-0.903
28	540	251.091	250.243	-0.848
29	560	251.035	250.232	-0.802
30	580	251.019	250.223	-0.796
31	600	251.039	250.214	-0.824
32	620	251.096	250.627	-0.889
33	640	251.191	250.200	-0.991
34	660	251.269	250.194	-1.074
35	680	251.307	250.191	-1.116
36	700	251.327	250.591	-1.138
37	720	251.336	250.186	-1.150
38	740	251.339	250.183	-1.156
39	760	251.338	250.180	-1.158
		Avg Deposited		0.040
		Avg Eroded		-0.747

Site: 164

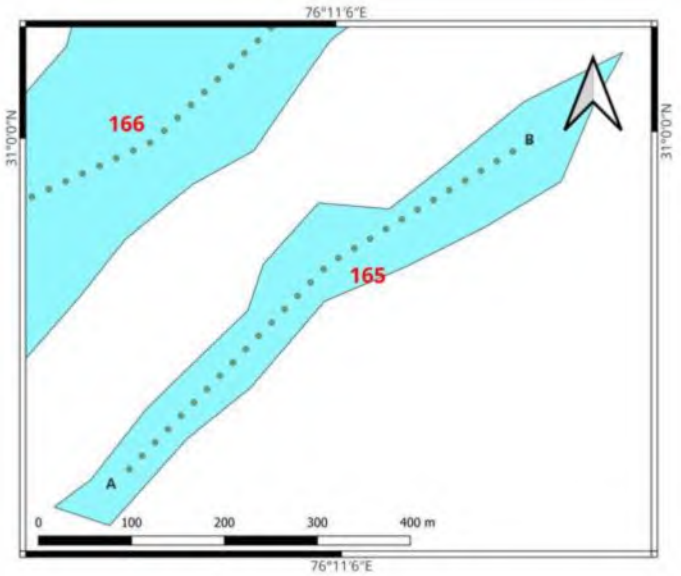


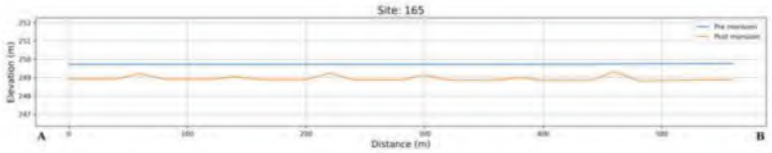


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	249.853	250.592	0.740
2	20	249.825	250.612	0.787
3	40	249.785	250.611	0.826
4	60	249.744	250.731	0.988
5	80	249.706	250.842	1.136
6	100	249.672	250.846	1.173
7	120	249.638	250.809	1.171
8	140	249.603	250.768	1.165
9	160	249.568	250.725	1.332
10	180	249.538	250.679	1.141
11	200	249.512	250.640	1.128
12	220	249.487	250.609	1.122
13	240	249.460	250.581	1.120
14	260	249.434	250.551	1.324
15	280	249.411	250.520	1.109
16	300	249.393	250.495	1.102
17	320	249.375	250.475	1.100
18	340	249.356	250.456	1.252
19	360	249.337	250.437	1.100
20	380	249.320	250.416	1.096
21	400	249.307	250.399	1.092
22	420	249.295	250.386	1.457
23	440	249.285	250.374	1.089

24	460	249.308	250.360	1.052
25	480	249.471	250.346	0.875
26	500	249.758	250.334	0.576
27	520	249.953	250.325	0.372
28	540	250.024	250.317	0.293
29	560	250.055	250.736	0.252
30	580	250.080	250.297	0.216
31	600	250.095	250.291	0.196
		Avg Deposited		0.919
		Avg Eroded		NA

Site: 165

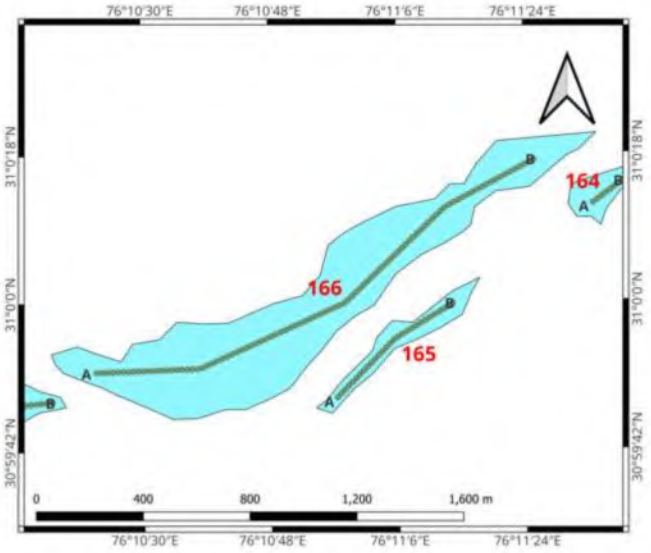


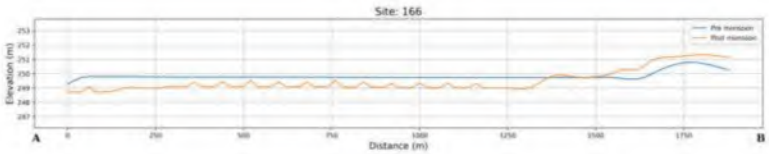


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	249.725	248.916	-0.809
2	20	249.725	248.914	-0.812
3	40	249.725	248.911	-0.815
4	60	249.725	249.220	-0.462
5	80	249.725	248.904	-0.821
6	100	249.725	248.900	-0.825
7	120	249.725	248.896	-0.829
8	140	249.725	249.055	-0.655
9	160	249.725	248.889	-0.836
10	180	249.725	248.884	-0.841
11	200	249.725	248.880	-0.846
12	220	249.725	249.248	-0.544
13	240	249.725	248.870	-0.855
14	260	249.726	248.866	-0.860
15	280	249.726	248.860	-0.865
16	300	249.726	249.141	-0.382
17	320	249.727	248.851	-0.876
18	340	249.728	248.846	-0.881
19	360	249.729	248.843	-0.885
20	380	249.730	248.998	-0.668
21	400	249.731	248.841	-0.890
22	420	249.734	248.843	-0.891
23	440	249.736	248.845	-0.891

24	460	249.739	249.323	-0.466
25	480	249.743	248.834	-0.908
26	500	249.748	248.837	-0.910
27	520	249.753	248.853	-0.900
28	540	249.757	248.871	-0.887
29	560	249.761	248.883	-0.878
		Avg Deposited		NA
		Avg Eroded		-0.861

Site: 166



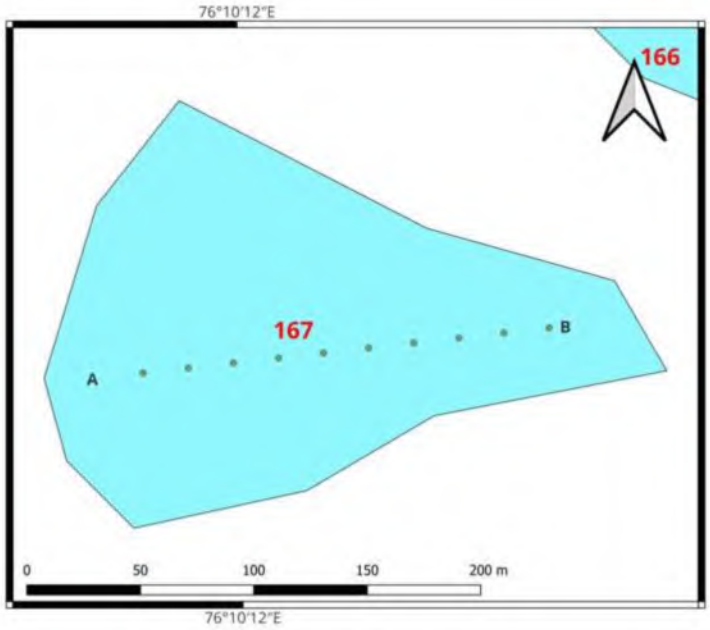


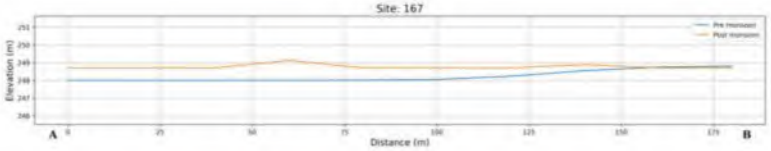
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	249.258	248.708	-0.550
2	20	249.544	248.709	-0.835
3	40	249.740	248.709	-1.030
4	60	249.783	249.117	-1.072
5	80	249.785	248.712	-1.073
6	100	249.783	248.715	-1.069
7	120	249.782	248.739	-1.042
8	140	249.780	248.842	-0.938
9	160	249.778	248.990	-0.788
10	180	249.777	249.042	-0.735
11	200	249.776	249.017	-0.758
12	220	249.774	248.987	-0.787
13	240	249.773	248.978	-0.795
14	260	249.771	249.011	-0.761
15	280	249.770	249.074	-0.696
16	300	249.768	249.111	-0.657
17	320	249.766	249.116	-0.650
18	340	249.764	249.113	-0.651
19	360	249.763	249.386	-0.482
20	380	249.761	249.106	-0.655
21	400	249.761	249.104	-0.657
22	420	249.760	249.102	-0.658
23	440	249.759	249.460	-0.354
24	460	249.758	249.101	-0.657

25	480	249.758	249.100	-0.657
26	500	249.757	249.099	-0.658
27	520	249.757	249.561	-0.381
28	540	249.757	249.096	-0.661
29	560	249.755	249.095	-0.661
30	580	249.754	249.094	-0.660
31	600	249.754	249.434	-0.553
32	620	249.753	249.092	-0.662
33	640	249.753	249.090	-0.663
34	660	249.752	249.088	-0.664
35	680	249.751	249.400	-0.286
36	700	249.750	249.084	-0.666
37	720	249.749	249.082	-0.667
38	740	249.749	249.080	-0.669
39	760	249.748	249.567	-0.258
40	780	249.747	249.074	-0.672
41	800	249.745	249.071	-0.674
42	820	249.744	249.068	-0.675
43	840	249.743	249.404	-0.231
44	860	249.742	249.061	-0.681
45	880	249.741	249.056	-0.685
46	900	249.740	249.052	-0.688
47	920	249.738	249.314	-0.461
48	940	249.737	249.041	-0.696
49	960	249.736	249.035	-0.701
50	980	249.735	249.030	-0.705
51	1000	249.734	249.375	-0.518
52	1020	249.734	249.030	-0.704
53	1040	249.734	249.033	-0.700
54	1060	249.733	249.035	-0.698
55	1080	249.733	249.362	-0.268
56	1100	249.733	249.032	-0.701
57	1120	249.733	249.029	-0.704
58	1140	249.733	249.026	-0.707
59	1160	249.733	249.324	-0.454
60	1180	249.732	249.019	-0.713
61	1200	249.732	249.020	-0.712
62	1220	249.731	249.014	-0.717
63	1240	249.731	249	-0.731
64	1260	249.731	248.968	-0.764
65	1280	249.731	248.930	-0.801
66	1300	249.730	248.931	-0.799
67	1320	249.729	249.059	-0.670
68	1340	249.729	249.346	-0.383
69	1360	249.728	249.662	-0.066
70	1380	249.727	249.854	0.126
71	1400	249.726	249.889	0.163
72	1420	249.726	249.844	0.119
73	1440	249.726	249.783	0.057
74	1460	249.725	249.742	0.016
75	1480	249.730	249.749	0.019
76	1500	249.743	249.787	0.045

77	1520	249.751	249.842	0.091
78	1540	249.740	249.950	0.210
79	1560	249.702	250.153	0.451
80	1580	249.649	250.307	0.658
81	1600	249.608	250.269	0.661
82	1620	249.628	250.280	0.653
83	1640	249.761	250.565	0.805
84	1660	249.990	250.936	0.946
85	1680	250.229	251.112	0.883
86	1700	250.431	251.142	0.711
87	1720	250.601	251.160	0.559
88	1740	250.727	251.202	0.475
89	1760	250.787	251.253	0.466
90	1780	250.785	251.295	0.510
91	1800	250.734	251.317	0.582
92	1820	250.640	251.306	0.666
93	1840	250.516	251.260	0.744
94	1860	250.377	251.189	0.813
95	1880	250.263	251.129	0.866
		Avg Deposited		0.473
		Avg Eroded		-0.710

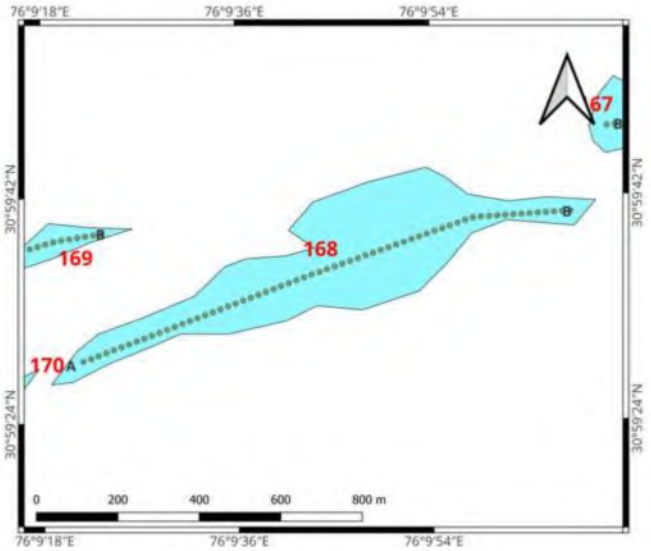
Site: 167

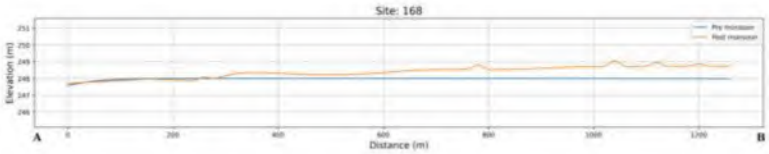




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	248.007	248.699	0.692
2	20	248.007	248.700	0.693
3	40	248.006	248.701	0.695
4	60	248.006	249.125	0.815
5	80	248.009	248.705	0.696
6	100	248.050	248.706	0.656
7	120	248.235	248.707	0.472
8	140	248.547	248.893	0.162
9	160	248.749	248.710	-0.039
10	180	248.806	248.711	-0.095
		Avg Deposited		0.595
		Avg Eroded		-0.067

Site: 168

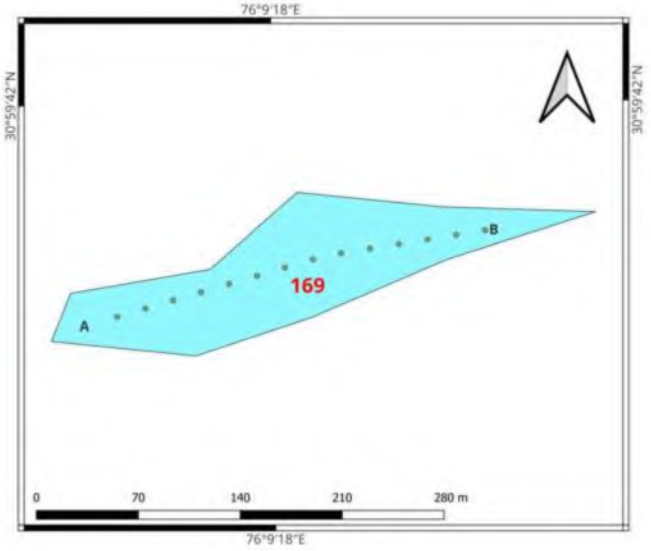


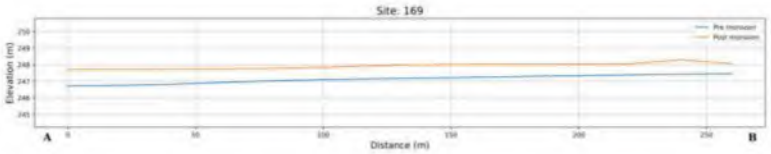


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	247.588	247.710	0.122
2	20	247.695	247.739	0.044
3	40	247.808	247.782	-0.027
4	60	247.875	247.812	-0.063
5	80	247.920	247.833	-0.087
6	100	247.956	247.861	-0.095
7	120	247.978	247.908	-0.070
8	140	247.990	247.962	-0.029
9	160	247.997	247.975	-0.022
10	180	247.999	247.943	-0.056
11	200	248	247.913	-0.087
12	220	248.001	247.907	-0.093
13	240	248.001	247.899	-0.102
14	260	248.001	248.084	0.288
15	280	248.001	247.994	-0.007
16	300	248.001	248.158	0.157
17	320	248.001	248.290	0.289
18	340	248.001	248.350	0.349
19	360	248.001	248.360	0.359
20	380	248.002	248.344	0.343
21	400	248.002	248.317	0.316
22	420	248.001	248.284	0.283
23	440	248.001	248.255	0.254
24	460	248.001	248.236	0.235

25	480	248.001	248.225	0.224
26	500	248.001	248.223	0.221
27	520	248.002	248.230	0.228
28	540	248.002	248.243	0.242
29	560	248.001	248.267	0.265
30	580	248.001	248.301	0.300
31	600	248.001	248.348	0.347
32	620	248.001	248.404	0.403
33	640	248.001	248.453	0.452
34	660	248.001	248.487	0.486
35	680	248.001	248.511	0.509
36	700	248.001	248.528	0.527
37	720	248.001	248.540	0.539
38	740	248.001	248.545	0.544
39	760	248	248.542	0.542
40	780	247.999	248.840	1.016
41	800	247.998	248.536	0.538
42	820	247.999	248.538	0.539
43	840	248	248.546	0.545
44	860	248.001	248.558	0.557
45	880	248	248.576	0.576
46	900	247.999	248.602	0.604
47	920	247.996	248.635	0.639
48	940	247.996	248.665	0.669
49	960	247.996	248.688	0.692
50	980	247.995	248.704	0.708
51	1000	247.995	248.711	0.716
52	1020	247.996	248.715	0.719
53	1040	247.995	249.091	1.221
54	1060	247.993	248.723	0.731
55	1080	247.991	248.727	0.735
56	1100	247.991	248.730	0.739
57	1120	247.990	248.986	0.959
58	1140	247.990	248.733	0.743
59	1160	247.989	248.733	0.744
60	1180	247.988	248.734	0.746
61	1200	247.987	248.883	1.073
62	1220	247.986	248.737	0.751
63	1240	247.985	248.738	0.752
64	1260	247.985	248.739	0.754
		Avg Deposited		0.501
		Avg Eroded		-0.064

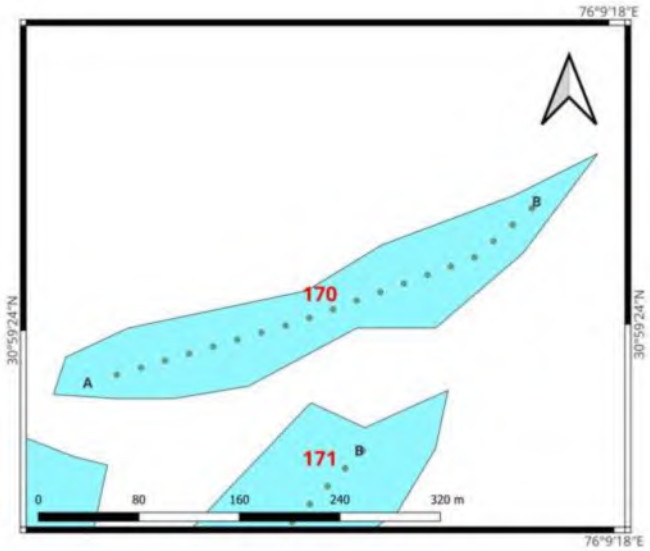
Site: 169

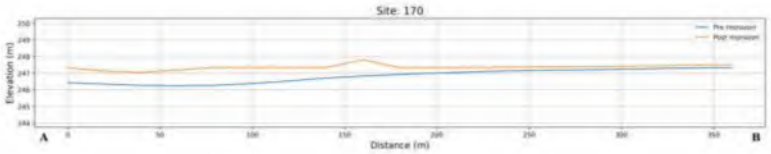




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	246.720	247.707	0.988
2	20	246.742	247.718	0.976
3	40	246.810	247.731	0.921
4	60	246.923	247.744	0.821
5	80	247.023	247.769	0.746
6	100	247.093	247.837	0.744
7	120	247.144	247.935	0.791
8	140	247.191	247.996	0.806
9	160	247.239	248.018	0.778
10	180	247.288	248.028	0.740
11	200	247.336	248.037	0.701
12	220	247.383	248.046	0.663
13	240	247.425	248.296	0.630
14	260	247.453	248.061	0.608
		Avg Deposited		0.779
		Avg Eroded		NA

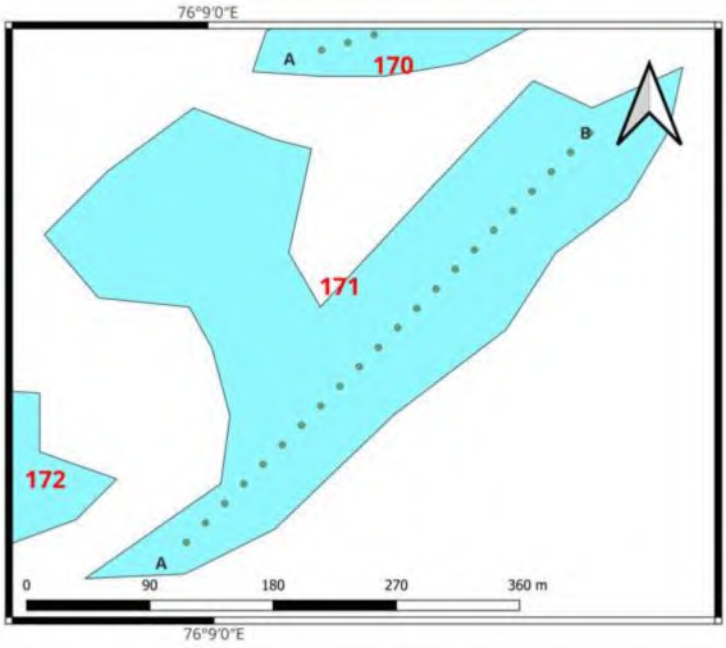
Site: 170

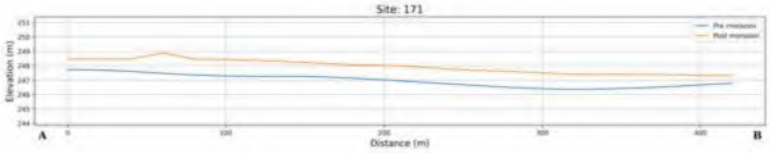




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	246.423	247.312	0.890
2	20	246.340	247.123	0.783
3	40	246.266	247.037	0.771
4	60	246.240	247.200	0.960
5	80	246.269	247.338	1.069
6	100	246.373	247.357	0.984
7	120	246.532	247.347	0.815
8	140	246.698	247.338	0.641
9	160	246.828	247.802	0.506
10	180	246.923	247.335	0.413
11	200	247.003	247.341	0.338
12	220	247.079	247.350	0.271
13	240	247.139	247.361	0.222
14	260	247.178	247.375	0.197
15	280	247.199	247.391	0.192
16	300	247.228	247.411	0.183
17	320	247.278	247.442	0.164
18	340	247.319	247.480	0.161
19	360	247.330	247.508	0.178
		Avg Deposited		0.513
		Avg Eroded		NA

Site: 171

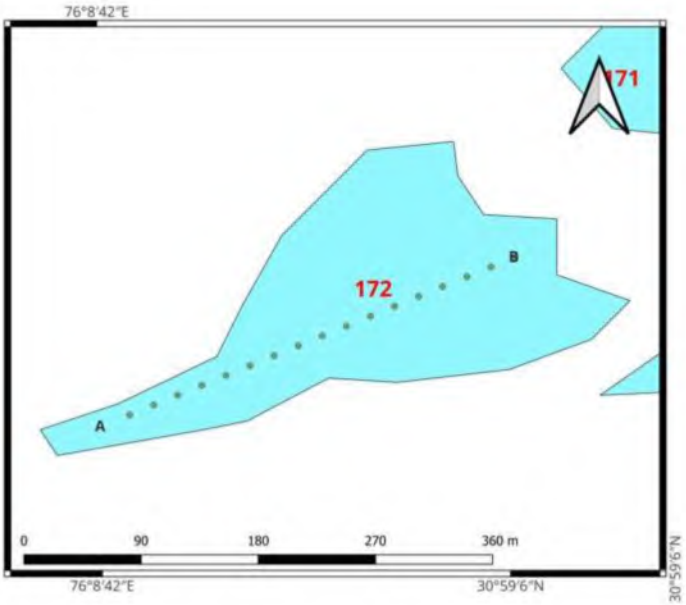


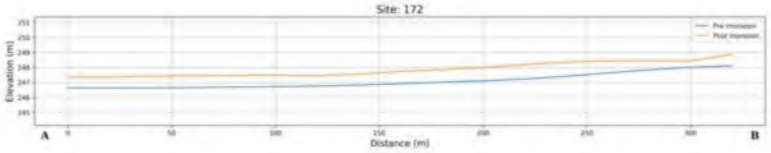


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	247.726	248.466	0.740
2	20	247.700	248.467	0.767
3	40	247.613	248.468	0.855
4	60	247.472	248.893	0.995
5	80	247.358	248.460	1.101
6	100	247.289	248.434	1.144
7	120	247.264	248.372	1.108
8	140	247.266	248.275	1.009
9	160	247.230	248.163	0.933
10	180	247.140	248.075	0.934
11	200	247.018	248.024	1.006
12	220	246.883	247.924	1.041
13	240	246.749	247.773	1.025
14	260	246.619	247.669	1.050
15	280	246.498	247.602	1.103
16	300	246.400	247.501	1.101
17	320	246.358	247.404	1.046
18	340	246.392	247.403	1.011
19	360	246.452	247.415	0.963
20	380	246.543	247.381	0.838
21	400	246.672	247.331	0.659
22	420	246.774	247.297	0.522

		Avg Deposited		0.952
		Avg Eroded		NA

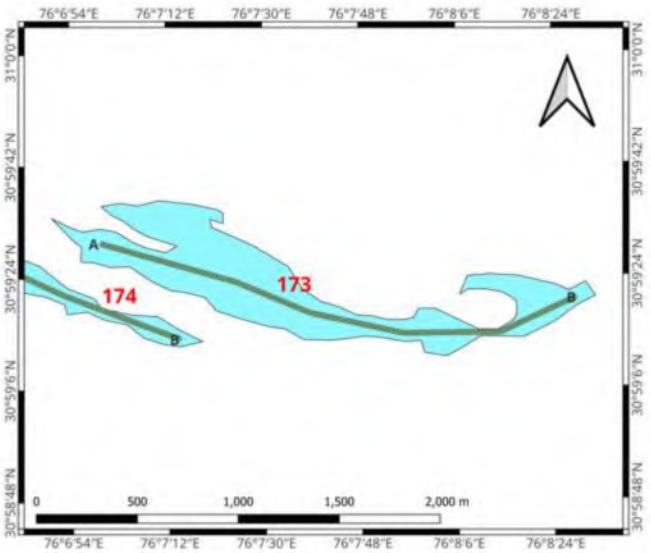
Site: 172

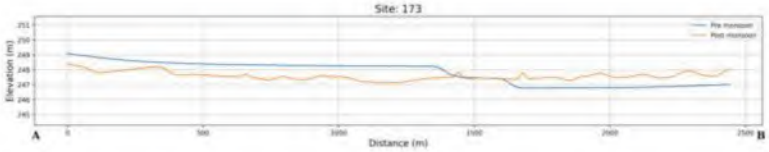




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	246.629	247.359	0.730
2	20	246.631	247.362	0.731
3	40	246.642	247.414	0.772
4	60	246.661	247.442	0.781
5	80	246.688	247.466	0.778
6	100	246.718	247.481	0.764
7	120	246.757	247.453	0.696
8	140	246.824	247.551	0.727
9	160	246.918	247.726	0.808
10	180	247.012	247.851	0.838
11	200	247.104	247.987	0.884
12	220	247.228	248.192	0.964
13	240	247.408	248.362	0.954
14	260	247.630	248.430	0.799
15	280	247.840	248.439	0.599
16	300	248.008	248.436	0.428
17	320	248.109	248.863	0.323
		Avg Deposited		0.740
		Avg Eroded		NA

Site: 173



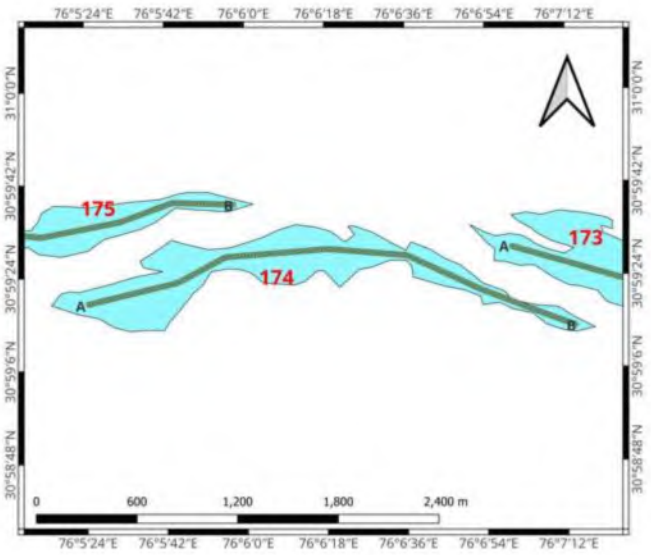


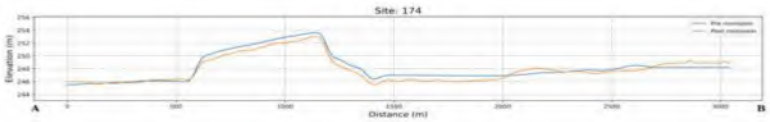
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	249.078	248.411	-0.668
2	20	249.039	248.314	-0.725
3	40	248.990	248.243	-0.747
4	60	248.944	248.188	-0.756
5	80	248.898	248.026	-0.872
6	100	248.851	247.849	-1.002
7	120	248.807	247.790	-1.018
8	140	248.767	247.814	-0.953
9	160	248.729	247.860	-0.869
10	180	248.694	247.909	-0.786
11	200	248.661	247.956	-0.705
12	220	248.629	248.002	-0.627
13	240	248.598	248.046	-0.552
14	260	248.573	248.089	-0.484
15	280	248.550	248.129	-0.420
16	300	248.530	248.167	-0.363
17	320	248.513	248.201	-0.312
18	340	248.496	248.197	-0.299
19	360	248.480	248.061	-0.419
20	380	248.464	247.808	-0.656
21	400	248.450	247.659	-0.791
22	420	248.436	247.647	-0.789
23	440	248.422	247.671	-0.750
24	460	248.408	247.686	-0.723

25	480	248.397	247.677	-0.721
26	500	248.388	247.653	-0.735
27	520	248.379	247.623	-0.756
28	540	248.371	247.594	-0.777
29	560	248.363	247.566	-0.797
30	580	248.356	247.547	-0.809
31	600	248.350	247.536	-0.814
32	620	248.344	247.532	-0.812
33	640	248.338	247.537	-0.802
34	660	248.333	247.740	-0.806
35	680	248.327	247.495	-0.833
36	700	248.321	247.445	-0.876
37	720	248.314	247.364	-0.950
38	740	248.309	247.294	-1.014
39	760	248.304	247.367	-0.937
40	780	248.300	247.519	-0.781
41	800	248.294	247.531	-0.763
42	820	248.289	247.442	-0.847
43	840	248.285	247.349	-0.935
44	860	248.282	247.312	-0.969
45	880	248.278	247.350	-0.928
46	900	248.274	247.420	-0.854
47	920	248.271	247.552	-0.719
48	940	248.269	247.601	-0.668
49	960	248.266	247.554	-0.711
50	980	248.263	247.508	-0.755
51	1000	248.260	247.533	-0.727
52	1020	248.258	247.512	-0.746
53	1040	248.256	247.461	-0.795
54	1060	248.253	247.337	-0.916
55	1080	248.251	247.219	-1.032
56	1100	248.250	247.189	-1.061
57	1120	248.249	247.166	-1.083
58	1140	248.248	247.154	-1.094
59	1160	248.248	247.160	-1.088
60	1180	248.247	247.156	-1.091
61	1200	248.246	247.144	-1.102
62	1220	248.245	247.145	-1.099
63	1240	248.244	247.179	-1.065
64	1260	248.243	247.234	-1.009
65	1280	248.243	247.291	-0.952
66	1300	248.242	247.345	-0.898
67	1320	248.241	247.395	-0.847
68	1340	248.238	247.439	-0.799
69	1360	248.203	247.471	-0.732
70	1380	248.047	247.488	-0.559
71	1400	247.789	247.497	-0.292
72	1420	247.624	247.503	-0.120
73	1440	247.545	247.834	-0.039
74	1460	247.467	247.502	0.035
75	1480	247.431	247.489	0.059
76	1500	247.441	247.473	0.032

77	1520	247.448	247.457	0.009
78	1540	247.441	247.441	0
79	1560	247.432	247.423	-0.009
80	1580	247.428	247.403	-0.026
81	1600	247.400	247.385	-0.015
82	1620	247.243	247.373	0.130
83	1640	246.977	247.364	0.387
84	1660	246.816	247.360	0.544
85	1680	246.780	247.814	0.587
86	1700	246.778	247.391	0.613
87	1720	246.778	247.420	0.642
88	1740	246.779	247.445	0.667
89	1760	246.780	247.475	0.695
90	1780	246.781	247.504	0.722
91	1800	246.784	247.498	0.714
92	1820	246.786	247.425	0.639
93	1840	246.787	247.311	0.523
94	1860	246.788	247.284	0.496
95	1880	246.789	247.443	0.655
96	1900	246.790	247.584	0.794
97	1920	246.791	247.585	0.794
98	1940	246.791	247.670	0.879
99	1960	246.792	247.789	0.997
100	1980	246.793	247.723	0.930
101	2000	246.794	247.537	0.742
102	2020	246.796	247.457	0.661
103	2040	246.799	247.502	0.704
104	2060	246.805	247.499	0.695
105	2080	246.811	247.541	0.731
106	2100	246.816	247.638	0.822
107	2120	246.823	247.689	0.866
108	2140	246.832	247.662	0.830
109	2160	246.842	247.518	0.676
110	2180	246.851	247.447	0.596
111	2200	246.861	247.460	0.599
112	2220	246.870	247.485	0.615
113	2240	246.878	247.594	0.716
114	2260	246.889	247.768	0.879
115	2280	246.901	247.908	1.007
116	2300	246.914	247.900	0.986
117	2320	246.927	247.765	0.838
118	2340	246.939	247.643	0.704
119	2360	246.950	247.599	0.648
120	2380	246.964	247.558	0.593
121	2400	246.980	247.631	0.651
122	2420	246.995	247.847	0.852
123	2440	247.006	248.047	1.041
		Avg Deposited		0.638
		Avg Eroded		-0.748

Site: 174





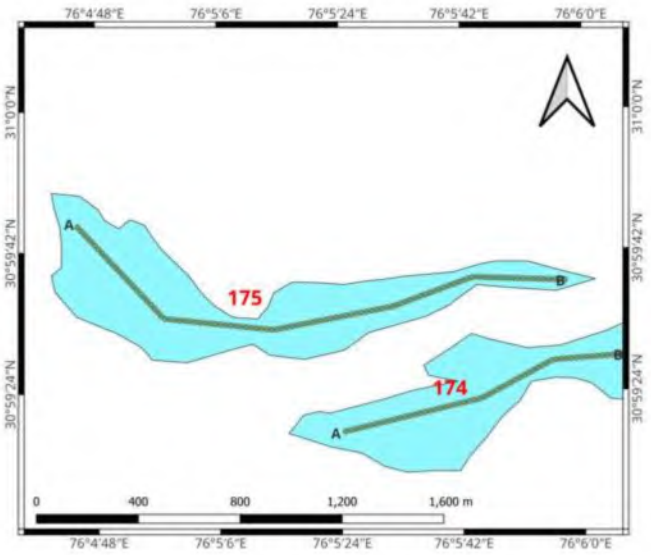
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	245.524	246.027	0.503
2	20	245.541	246.015	0.474
3	40	245.570	246.010	0.440
4	60	245.604	246.018	0.414
5	80	245.640	245.991	0.351
6	100	245.675	245.873	0.199
7	120	245.705	245.706	0.001
8	140	245.729	245.624	-0.105
9	160	245.744	245.675	-0.069
10	180	245.750	245.775	0.025
11	200	245.749	245.846	0.097
12	220	245.751	245.869	0.118
13	240	245.781	245.853	0.073
14	260	245.850	245.822	-0.029
15	280	245.927	245.793	-0.134
16	300	245.991	245.780	-0.211
17	320	246.051	245.814	-0.238
18	340	246.087	245.926	-0.161
19	360	246.099	246.082	-0.017
20	380	246.111	246.202	0.091
21	400	246.121	246.254	0.133
22	420	246.116	246.268	0.152
23	440	246.094	246.270	0.176
24	460	246.067	246.261	0.195
25	480	246.039	246.272	0.233

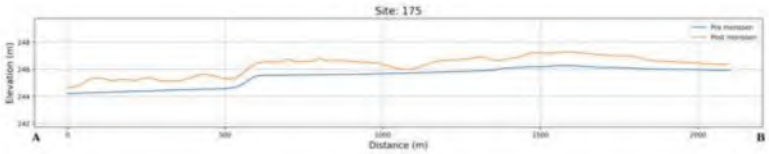
26	500	246.008	246.343	0.335
27	520	245.976	246.410	0.435
28	540	245.963	246.337	0.374
29	560	246.144	246.282	0.139
30	580	247.046	246.899	-0.147
31	600	248.609	248.172	-0.437
32	620	249.697	248.969	-0.728
33	640	250.116	249.209	-0.907
34	660	250.325	249.395	-0.931
35	680	250.527	249.594	-0.934
36	700	250.735	249.881	-0.854
37	720	250.910	250.151	-0.760
38	740	251.052	250.234	-0.818
39	760	251.202	250.390	-0.812
40	780	251.358	250.665	-0.693
41	800	251.489	250.779	-0.710
42	820	251.595	250.769	-0.826
43	840	251.712	250.810	-0.902
44	860	251.855	250.992	-0.863
45	880	252.018	251.270	-0.748
46	900	252.175	251.479	-0.696
47	920	252.319	251.625	-0.694
48	940	252.465	251.818	-0.647
49	960	252.617	251.980	-0.637
50	980	252.765	252.039	-0.726
51	1000	252.903	252.074	-0.829
52	1020	253.022	252.142	-0.881
53	1040	253.126	252.245	-0.881
54	1060	253.234	252.355	-0.879
55	1080	253.348	252.492	-0.856
56	1100	253.461	252.743	-0.718
57	1120	253.565	252.997	-0.567
58	1140	253.634	253.073	-0.561
59	1160	253.478	252.828	-0.650
60	1180	252.520	251.818	-0.702
61	1200	250.871	250.131	-0.740
62	1220	249.842	249.016	-0.826
63	1240	249.550	248.623	-0.926
64	1260	249.289	248.366	-0.923
65	1280	248.872	248.001	-0.871
66	1300	248.546	247.714	-0.832
67	1320	248.333	247.488	-0.845
68	1340	248.114	247.154	-0.960
69	1360	247.643	246.676	-0.967
70	1380	246.888	246.036	-0.851
71	1400	246.394	245.560	-0.834
72	1420	246.421	245.569	-0.852
73	1440	246.740	245.956	-0.784
74	1460	246.952	246.189	-0.763
75	1480	246.997	246.210	-0.787
76	1500	246.996	246.091	-0.906
77	1520	246.992	245.992	-1

78	1540	246.987	246.061	-0.926
79	1560	246.984	246.268	-0.716
80	1580	246.982	246.366	-0.616
81	1600	246.978	246.259	-0.719
82	1620	246.973	246.126	-0.847
83	1640	246.968	246.056	-0.912
84	1660	246.962	246.064	-0.898
85	1680	246.958	246.176	-0.782
86	1700	246.955	246.223	-0.732
87	1720	246.951	246.117	-0.834
88	1740	246.945	246.029	-0.916
89	1760	246.939	246.017	-0.922
90	1780	246.932	246.028	-0.904
91	1800	246.926	246.046	-0.881
92	1820	246.922	246.068	-0.854
93	1840	246.919	246.090	-0.829
94	1860	246.916	246.109	-0.807
95	1880	246.911	246.125	-0.787
96	1900	246.908	246.141	-0.767
97	1920	246.907	246.171	-0.736
98	1940	246.908	246.212	-0.696
99	1960	246.914	246.270	-0.644
100	1980	246.921	246.375	-0.547
101	2000	246.933	246.532	-0.401
102	2020	246.952	246.784	-0.168
103	2040	246.979	247.187	0.208
104	2060	247.014	247.542	0.528
105	2080	247.056	247.667	0.611
106	2100	247.111	247.773	0.663
107	2120	247.173	247.910	0.736
108	2140	247.242	248.038	0.797
109	2160	247.307	248.110	0.803
110	2180	247.362	248.005	0.644
111	2200	247.401	247.903	0.502
112	2220	247.426	247.853	0.428
113	2240	247.443	247.758	0.315
114	2260	247.471	247.621	0.149
115	2280	247.516	247.538	0.022
116	2300	247.569	247.535	-0.034
117	2320	247.624	247.569	-0.055
118	2340	247.676	247.592	-0.085
119	2360	247.733	247.548	-0.185
120	2380	247.794	247.436	-0.357
121	2400	247.813	247.317	-0.497
122	2420	247.763	247.249	-0.514
123	2440	247.706	247.264	-0.442
124	2460	247.713	247.357	-0.356
125	2480	247.775	247.475	-0.301
126	2500	247.866	247.574	-0.292
127	2520	247.971	247.634	-0.337
128	2540	248.107	247.667	-0.440
129	2560	248.283	247.704	-0.578

130	2580	248.430	247.736	-0.694
131	2600	248.508	247.738	-0.770
132	2620	248.515	247.749	-0.766
133	2640	248.454	247.841	-0.613
134	2660	248.357	247.999	-0.358
135	2680	248.271	248.187	-0.084
136	2700	248.220	248.398	0.178
137	2720	248.205	248.599	0.394
138	2740	248.208	248.743	0.535
139	2760	248.212	248.822	0.611
140	2780	248.212	248.859	0.647
141	2800	248.211	248.872	0.661
142	2820	248.210	248.873	0.663
143	2840	248.210	248.873	0.664
144	2860	248.209	249.344	0.807
145	2880	248.209	248.873	0.664
146	2900	248.209	248.874	0.665
147	2920	248.209	248.874	0.666
148	2940	248.209	248.976	0.914
149	2960	248.209	248.873	0.664
150	2980	248.209	248.873	0.664
151	3000	248.209	248.873	0.664
152	3020	248.209	249.132	0.843
153	3040	248.209	248.871	0.662
		Avg Deposited		0.430
		Avg Eroded		-0.646

Site: 175



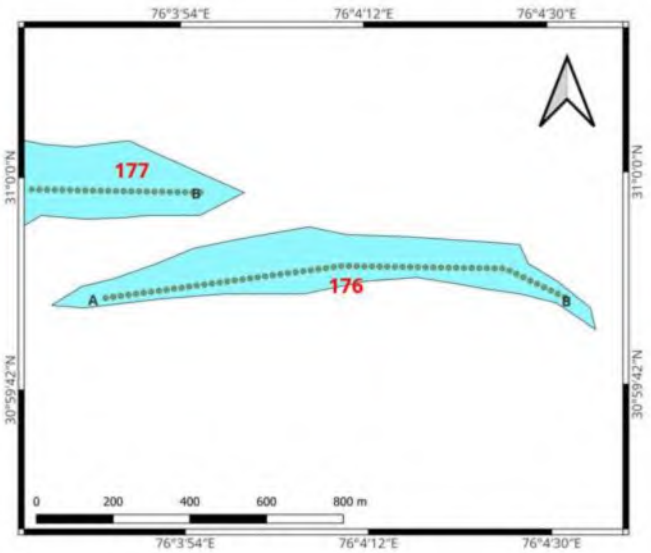


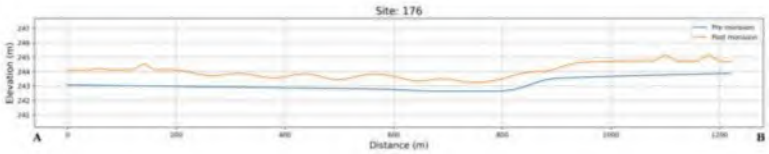
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	244.217	244.655	0.437
2	20	244.227	244.688	0.461
3	40	244.242	244.855	0.614
4	60	244.256	245.147	0.891
5	80	244.271	245.340	1.069
6	100	244.286	245.369	1.082
7	120	244.303	245.273	0.971
8	140	244.318	245.170	0.852
9	160	244.333	245.214	0.881
10	180	244.348	245.267	0.920
11	200	244.363	245.206	0.843
12	220	244.377	245.183	0.806
13	240	244.392	245.337	0.945
14	260	244.407	245.389	0.981
15	280	244.424	245.236	0.812
16	300	244.440	245.113	0.673
17	320	244.455	245.132	0.677
18	340	244.469	245.151	0.681
19	360	244.485	245.170	0.867
20	380	244.500	245.281	0.781
21	400	244.514	245.474	0.960
22	420	244.529	245.605	1.077
23	440	244.539	245.625	1.085
24	460	244.545	245.547	1.002

25	480	244.553	245.426	0.874
26	500	244.574	245.303	0.729
27	520	244.623	245.285	0.662
28	540	244.725	245.450	0.725
29	560	244.962	245.758	0.796
30	580	245.305	246.195	0.890
31	600	245.510	246.470	0.960
32	620	245.558	246.537	0.979
33	640	245.566	246.549	0.983
34	660	245.569	246.554	0.986
35	680	245.572	246.558	1.346
36	700	245.577	246.780	0.985
37	720	245.582	246.570	0.988
38	740	245.586	246.581	0.995
39	760	245.590	246.590	1.343
40	780	245.595	246.598	1.003
41	800	245.600	246.836	1.005
42	820	245.606	246.619	1.012
43	840	245.612	246.635	1.024
44	860	245.617	246.642	1.025
45	880	245.623	246.626	1.004
46	900	245.630	246.589	0.959
47	920	245.637	246.549	0.912
48	940	245.646	246.523	0.878
49	960	245.655	246.512	0.857
50	980	245.666	246.479	0.814
51	1000	245.677	246.381	0.703
52	1020	245.689	246.242	0.554
53	1040	245.700	246.110	0.410
54	1060	245.712	246.007	0.295
55	1080	245.724	245.978	0.254
56	1100	245.737	246.050	0.313
57	1120	245.751	246.199	0.448
58	1140	245.764	246.365	0.601
59	1160	245.777	246.513	0.736
60	1180	245.791	246.623	0.832
61	1200	245.805	246.676	0.871
62	1220	245.819	246.698	0.879
63	1240	245.834	246.731	0.897
64	1260	245.850	246.754	0.904
65	1280	245.866	246.793	0.928
66	1300	245.881	246.908	1.027
67	1320	245.895	246.915	1.020
68	1340	245.918	246.754	0.836
69	1360	245.976	246.658	0.682
70	1380	246.060	246.717	0.657
71	1400	246.110	246.782	0.672
72	1420	246.126	246.865	0.739
73	1440	246.145	246.996	0.851
74	1460	246.173	247.151	0.978
75	1480	246.188	247.233	1.045
76	1500	246.193	247.218	1.025

77	1520	246.215	247.196	0.980
78	1540	246.254	247.207	0.952
79	1560	246.274	247.239	0.964
80	1580	246.271	247.268	0.997
81	1600	246.261	247.268	1.008
82	1620	246.246	247.237	0.991
83	1640	246.219	247.187	0.969
84	1660	246.182	247.138	0.955
85	1680	246.157	247.096	0.939
86	1700	246.146	247.065	0.918
87	1720	246.139	247.037	0.898
88	1740	246.131	247.010	0.879
89	1760	246.120	246.991	0.871
90	1780	246.106	246.995	0.889
91	1800	246.081	246.958	0.877
92	1820	246.048	246.821	0.773
93	1840	246.027	246.699	0.671
94	1860	246.019	246.640	0.621
95	1880	246.013	246.609	0.596
96	1900	246.008	246.590	0.583
97	1920	246.002	246.566	0.564
98	1940	245.996	246.536	0.540
99	1960	245.990	246.505	0.515
100	1980	245.983	246.476	0.494
101	2000	245.972	246.449	0.477
102	2020	245.957	246.423	0.466
103	2040	245.946	246.398	0.452
104	2060	245.937	246.374	0.437
105	2080	245.930	246.364	0.434
106	2100	245.925	246.371	0.446
		Avg Deposited		0.807
		Avg Eroded		NA

Site: 176



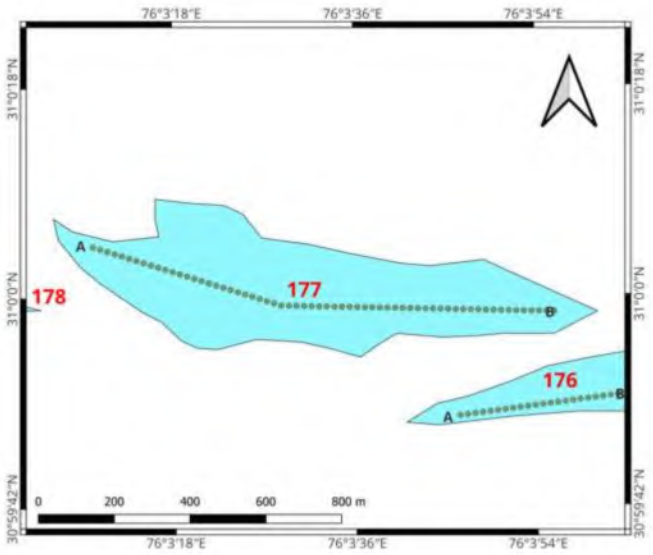


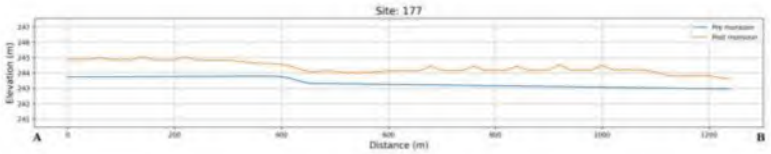
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	243.071	244.105	1.034
2	20	243.064	244.106	1.042
3	40	243.054	244.107	1.053
4	60	243.045	244.211	1.063
5	80	243.035	244.109	1.074
6	100	243.024	244.110	1.086
7	120	243.014	244.113	1.099
8	140	243.004	244.553	1.112
9	160	242.994	244.120	1.126
10	180	242.983	244.124	1.141
11	200	242.973	244.110	1.137
12	220	242.962	244.012	1.050
13	240	242.952	243.828	0.876
14	260	242.941	243.709	0.767
15	280	242.932	243.738	0.807
16	300	242.923	243.848	0.925
17	320	242.914	243.887	0.973
18	340	242.905	243.773	0.869
19	360	242.895	243.621	0.727
20	380	242.884	243.535	0.651
21	400	242.873	243.626	0.752
22	420	242.863	243.809	0.946
23	440	242.853	243.856	1.003
24	460	242.844	243.726	0.882

2363

25	480	242.834	243.505	0.671
26	500	242.825	243.427	0.602
27	520	242.815	243.549	0.734
28	540	242.803	243.748	0.944
29	560	242.790	243.834	1.044
30	580	242.776	243.800	1.024
31	600	242.757	243.681	0.924
32	620	242.722	243.487	0.765
33	640	242.677	243.344	0.667
34	660	242.650	243.374	0.724
35	680	242.642	243.501	0.859
36	700	242.640	243.496	0.856
37	720	242.639	243.347	0.708
38	740	242.637	243.238	0.601
39	760	242.633	243.252	0.619
40	780	242.633	243.340	0.707
41	800	242.651	243.495	0.844
42	820	242.733	243.718	0.985
43	840	242.932	243.906	0.973
44	860	243.211	243.996	0.785
45	880	243.434	244.032	0.597
46	900	243.534	244.189	0.654
47	920	243.567	244.466	0.899
48	940	243.591	244.625	1.034
49	960	243.617	244.661	1.043
50	980	243.643	244.680	1.036
51	1000	243.667	244.704	1.483
52	1020	243.689	244.727	1.038
53	1040	243.710	244.741	1.031
54	1060	243.731	244.743	1.012
55	1080	243.752	244.742	0.990
56	1100	243.770	245.183	0.972
57	1120	243.787	244.738	0.951
58	1140	243.805	244.731	0.926
59	1160	243.825	244.722	0.898
60	1180	243.844	245.197	0.870
61	1200	243.861	244.707	0.846
62	1220	243.873	244.703	0.829
		Avg Deposited		0.902
		Avg Eroded		NA

Site: 177

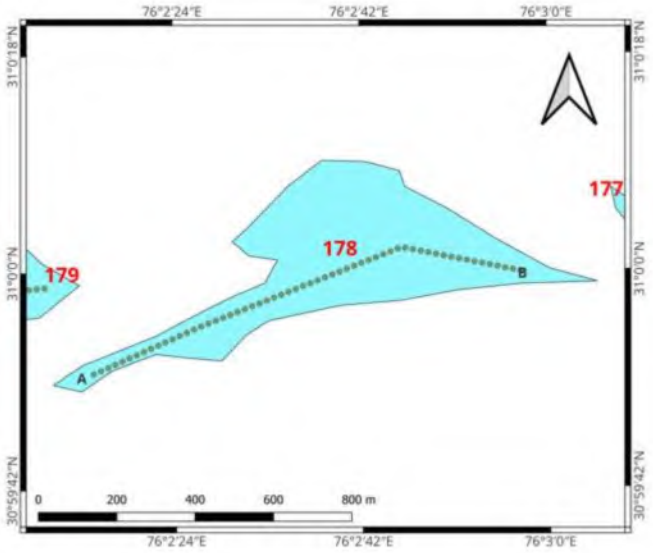


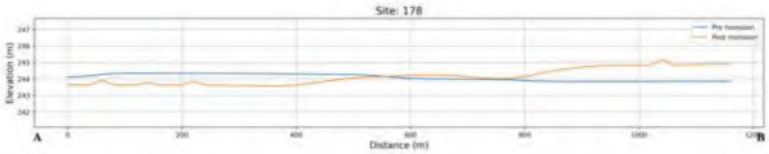


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	243.730	244.891	1.160
2	20	243.732	244.888	1.156
3	40	243.735	244.884	1.149
4	60	243.738	244.981	1.636
5	80	243.742	244.875	1.134
6	100	243.745	244.871	1.126
7	120	243.749	244.868	1.119
8	140	243.753	245.051	1.395
9	160	243.756	244.861	1.105
10	180	243.759	244.856	1.098
11	200	243.761	244.852	1.091
12	220	243.765	245.057	1.396
13	240	243.768	244.845	1.077
14	260	243.771	244.841	1.071
15	280	243.773	244.836	1.063
16	300	243.775	244.820	1.045
17	320	243.778	244.761	0.983
18	340	243.781	244.670	0.889
19	360	243.783	244.619	0.836
20	380	243.782	244.604	0.821
21	400	243.751	244.563	0.812
22	420	243.609	244.411	0.802
23	440	243.398	244.158	0.760
24	460	243.306	244.056	0.750

25	480	243.299	244.135	0.836
26	500	243.291	244.101	0.810
27	520	243.285	244.014	0.730
28	540	243.279	244.028	0.748
29	560	243.270	244.026	0.756
30	580	243.261	244.070	0.809
31	600	243.252	244.130	0.877
32	620	243.245	244.148	0.903
33	640	243.236	244.150	0.914
34	660	243.226	244.152	0.925
35	680	243.217	244.466	0.937
36	700	243.207	244.155	0.948
37	720	243.197	244.157	0.960
38	740	243.187	244.158	0.971
39	760	243.177	244.449	0.982
40	780	243.168	244.161	0.993
41	800	243.158	244.163	1.005
42	820	243.148	244.165	1.017
43	840	243.139	244.453	1.029
44	860	243.129	244.170	1.041
45	880	243.119	244.173	1.054
46	900	243.109	244.176	1.067
47	920	243.100	244.550	1.080
48	940	243.090	244.183	1.093
49	960	243.080	244.187	1.107
50	980	243.071	244.191	1.121
51	1000	243.061	244.488	1.135
52	1020	243.051	244.201	1.150
53	1040	243.042	244.206	1.164
54	1060	243.032	244.207	1.175
55	1080	243.023	244.176	1.153
56	1100	243.013	244.047	1.034
57	1120	243.004	243.850	0.846
58	1140	242.994	243.779	0.784
59	1160	242.985	243.831	0.846
60	1180	242.976	243.843	0.867
61	1200	242.967	243.809	0.842
62	1220	242.958	243.700	0.741
63	1240	242.952	243.591	0.639
		Avg Deposited		0.976
		Avg Eroded		NA

Site: 178

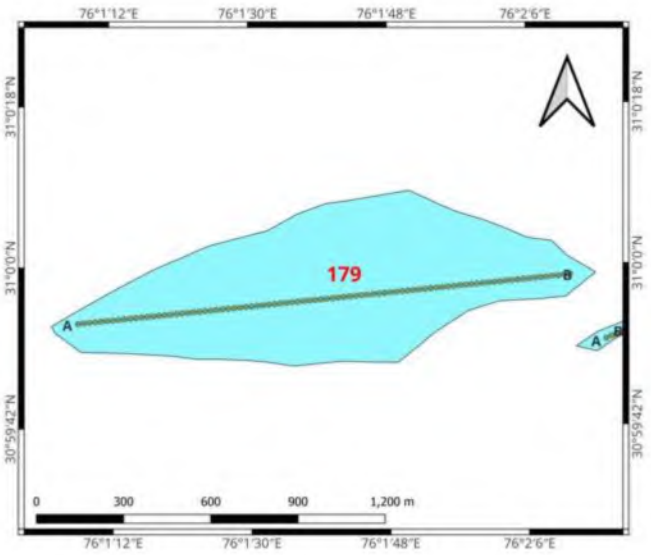


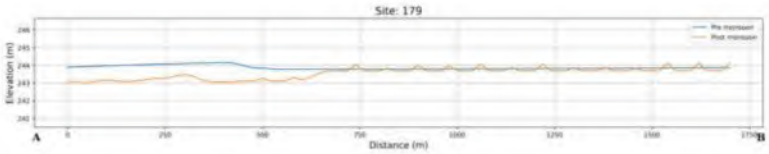


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	244.125	243.642	-0.482
2	20	244.140	243.642	-0.498
3	40	244.192	243.642	-0.550
4	60	244.273	243.920	-0.631
5	80	244.320	243.641	-0.679
6	100	244.330	243.641	-0.689
7	120	244.330	243.640	-0.690
8	140	244.330	243.771	-0.691
9	160	244.329	243.638	-0.414
10	180	244.329	243.637	-0.692
11	200	244.328	243.635	-0.692
12	220	244.327	243.855	-0.694
13	240	244.325	243.630	-0.235
14	260	244.324	243.625	-0.699
15	280	244.323	243.618	-0.705
16	300	244.320	243.607	-0.713
17	320	244.317	243.592	-0.726
18	340	244.315	243.575	-0.740
19	360	244.312	243.569	-0.743
20	380	244.307	243.586	-0.721
21	400	244.301	243.633	-0.668
22	420	244.294	243.707	-0.588
23	440	244.287	243.799	-0.488
24	460	244.278	243.890	-0.387

25	480	244.269	243.977	-0.291
26	500	244.259	244.057	-0.201
27	520	244.236	244.113	-0.124
28	540	244.191	244.136	-0.055
29	560	244.131	244.154	0.023
30	580	244.078	244.186	0.108
31	600	244.037	244.216	0.179
32	620	244.011	244.228	0.217
33	640	243.999	244.225	0.227
34	660	243.993	244.210	0.217
35	680	243.985	244.175	0.189
36	700	243.977	244.129	0.152
37	720	243.970	244.075	0.105
38	740	243.966	244.023	0.058
39	760	243.957	244.004	0.047
40	780	243.932	244.049	0.117
41	800	243.895	244.151	0.256
42	820	243.866	244.279	0.413
43	840	243.850	244.418	0.568
44	860	243.842	244.539	0.696
45	880	243.841	244.633	0.792
46	900	243.842	244.713	0.871
47	920	243.842	244.765	0.923
48	940	243.842	244.789	0.947
49	960	243.843	244.807	0.964
50	980	243.843	244.825	0.981
51	1000	243.843	244.834	0.990
52	1020	243.845	244.837	0.992
53	1040	243.847	245.168	1.319
54	1060	243.848	244.852	1.003
55	1080	243.848	244.867	1.019
56	1100	243.849	244.887	1.038
57	1120	243.850	244.907	1.057
58	1140	243.852	244.919	1.067
59	1160	243.854	244.922	1.067
		Avg Deposited		0.590
		Avg Eroded		-0.579

Site: 179



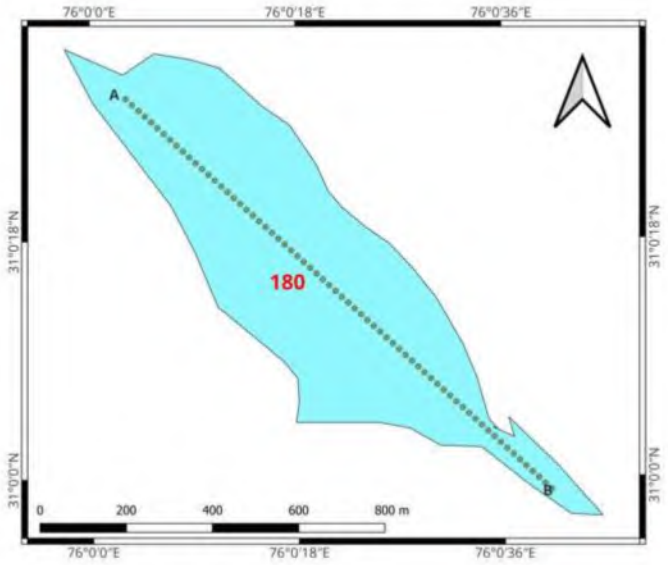


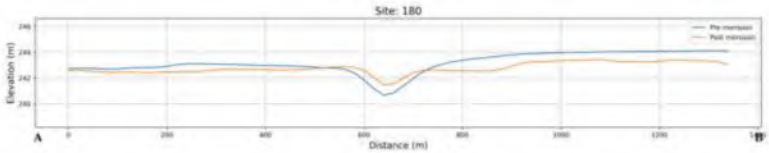
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	243.894	243.070	-0.824
2	20	243.904	243.074	-0.830
3	40	243.917	242.995	-0.923
4	60	243.932	243.027	-0.905
5	80	243.949	243.139	-0.810
6	100	243.967	243.160	-0.807
7	120	243.983	243.108	-0.875
8	140	243.996	243.083	-0.912
9	160	244.008	243.087	-0.921
10	180	244.022	243.129	-0.893
11	200	244.038	243.192	-0.846
12	220	244.051	243.242	-0.809
13	240	244.062	243.275	-0.787
14	260	244.072	243.298	-0.774
15	280	244.084	243.408	-0.676
16	300	244.098	243.479	-0.619
17	320	244.109	243.396	-0.713
18	340	244.118	243.206	-0.911
19	360	244.126	243.083	-1.044
20	380	244.137	243.052	-1.085
21	400	244.147	243.049	-1.097
22	420	244.137	243.065	-1.072
23	440	244.060	243.091	-0.969
24	460	243.928	243.101	-0.827

25	480	243.853	243.096	-0.757
26	500	243.833	243.272	-0.736
27	520	243.804	243.102	-0.702
28	540	243.773	243.108	-0.665
29	560	243.766	243.114	-0.653
30	580	243.774	243.309	-0.652
31	600	243.779	243.158	-0.621
32	620	243.781	243.295	-0.486
33	640	243.782	243.513	-0.269
34	660	243.784	243.645	-0.139
35	680	243.784	243.674	-0.110
36	700	243.784	243.677	-0.107
37	720	243.784	243.677	-0.108
38	740	243.786	244.056	-0.002
39	760	243.787	243.677	-0.110
40	780	243.788	243.677	-0.111
41	800	243.788	243.677	-0.110
42	820	243.788	243.820	0.218
43	840	243.790	243.678	-0.112
44	860	243.791	243.678	-0.114
45	880	243.792	243.677	-0.114
46	900	243.792	244.026	0.350
47	920	243.792	243.678	-0.115
48	940	243.794	243.678	-0.116
49	960	243.796	243.678	-0.118
50	980	243.797	244.001	0.144
51	1000	243.797	243.678	-0.118
52	1020	243.797	243.679	-0.119
53	1040	243.799	243.679	-0.121
54	1060	243.801	244.086	0.332
55	1080	243.802	243.679	-0.123
56	1100	243.802	243.679	-0.123
57	1120	243.803	243.679	-0.124
58	1140	243.805	243.872	0.346
59	1160	243.807	243.680	-0.128
60	1180	243.809	243.679	-0.129
61	1200	243.809	243.680	-0.129
62	1220	243.810	244.082	0.048
63	1240	243.812	243.680	-0.132
64	1260	243.813	243.680	-0.133
65	1280	243.814	243.680	-0.133
66	1300	243.815	243.862	0.019
67	1320	243.818	243.681	-0.137
68	1340	243.821	243.682	-0.139
69	1360	243.822	243.682	-0.141
70	1380	243.823	243.870	0.010
71	1400	243.824	243.683	-0.142
72	1420	243.828	243.683	-0.145
73	1440	243.831	243.683	-0.148
74	1460	243.833	243.828	0.008
75	1480	243.834	243.683	-0.150
76	1500	243.836	243.684	-0.152

77	1520	243.840	243.685	-0.155
78	1540	243.844	244.138	0.163
79	1560	243.847	243.685	-0.162
80	1580	243.848	243.685	-0.163
81	1600	243.851	243.686	-0.165
82	1620	243.856	244.151	0.257
83	1640	243.861	243.687	-0.174
84	1660	243.864	243.687	-0.177
85	1680	243.866	243.688	-0.178
86	1700	243.868	244.131	-0.016
		Avg Deposited		0.167
		Avg Eroded		-0.390

Site: 180

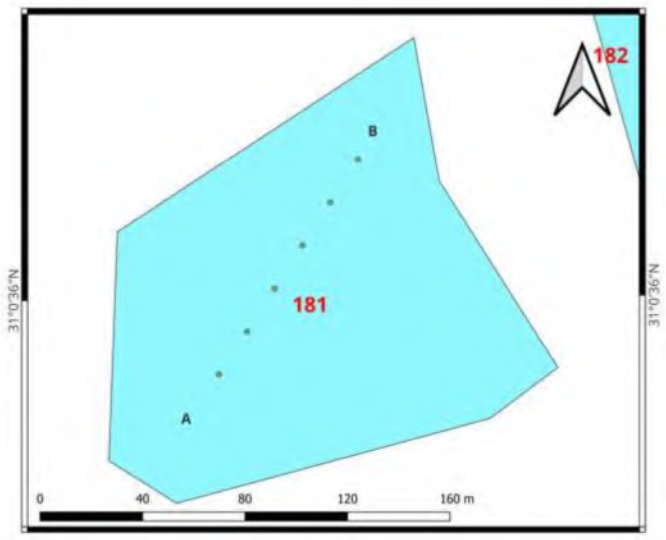


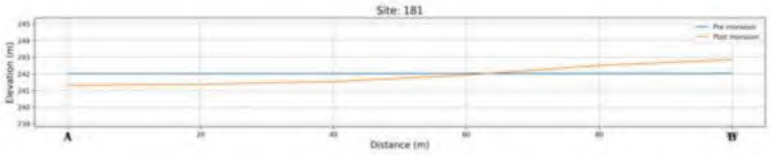


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	242.720	242.577	-0.143
2	20	242.734	242.579	-0.155
3	40	242.737	242.542	-0.195
4	60	242.708	242.477	-0.231
5	80	242.682	242.430	-0.252
6	100	242.704	242.430	-0.273
7	120	242.759	242.443	-0.315
8	140	242.797	242.425	-0.372
9	160	242.805	242.405	-0.400
10	180	242.816	242.430	-0.386
11	200	242.892	242.475	-0.418
12	220	243.023	242.492	-0.531
13	240	243.096	242.486	-0.610
14	260	243.102	242.494	-0.607
15	280	243.087	242.542	-0.545
16	300	243.070	242.609	-0.460
17	320	243.052	242.659	-0.393
18	340	243.032	242.681	-0.352
19	360	243.010	242.680	-0.329
20	380	242.983	242.660	-0.323
21	400	242.958	242.632	-0.326
22	420	242.942	242.609	-0.109
23	440	242.930	242.602	-0.329
24	460	242.915	242.630	-0.284

25	480	242.891	242.686	-0.205
26	500	242.835	242.742	-0.094
27	520	242.770	242.792	0.022
28	540	242.756	242.842	0.086
29	560	242.695	242.867	0.172
30	580	242.398	242.824	0.426
31	600	241.850	242.594	0.745
32	620	241.172	242.028	0.856
33	640	240.665	241.476	0.811
34	660	240.824	241.537	0.713
35	680	241.384	241.983	0.598
36	700	241.965	242.398	0.433
37	720	242.473	242.589	0.116
38	740	242.836	242.612	-0.224
39	760	243.078	242.591	-0.487
40	780	243.245	242.571	-0.674
41	800	243.369	242.555	-0.814
42	820	243.468	242.541	-0.927
43	840	243.550	242.534	-1.016
44	860	243.623	242.551	-1.072
45	880	243.705	242.671	-1.034
46	900	243.788	242.926	-0.863
47	920	243.846	243.141	-0.705
48	940	243.881	243.225	-0.656
49	960	243.907	243.261	-0.647
50	980	243.930	243.295	-0.635
51	1000	243.950	243.346	-0.604
52	1020	243.968	243.361	-0.606
53	1040	243.984	243.338	-0.646
54	1060	243.998	243.393	-0.605
55	1080	244.011	243.414	-0.597
56	1100	244.023	243.331	-0.692
57	1120	244.034	243.268	-0.766
58	1140	244.044	243.264	-0.779
59	1160	244.053	243.267	-0.786
60	1180	244.061	243.244	-0.818
61	1200	244.069	243.302	-0.768
62	1220	244.077	243.373	-0.704
63	1240	244.083	243.381	-0.702
64	1260	244.089	243.347	-0.743
65	1280	244.095	243.326	-0.769
66	1300	244.101	243.319	-0.781
67	1320	244.105	243.221	-0.884
68	1340	244.108	243.073	-1.034
		Avg Deposited		0.453
		Avg Eroded		-0.560

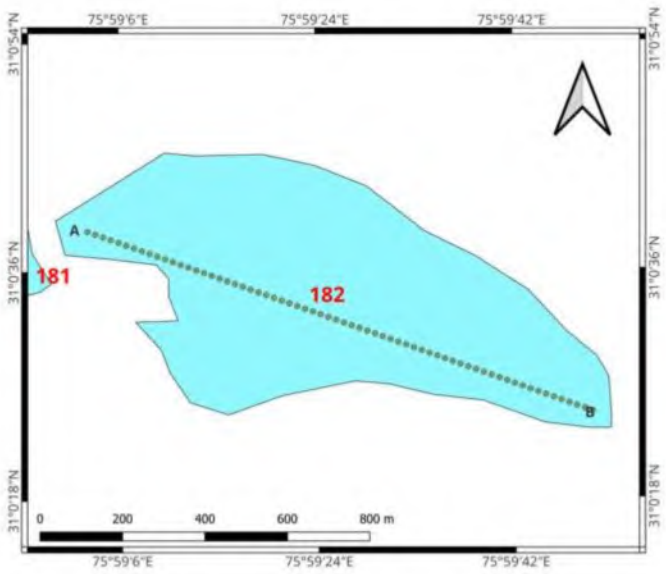
Site: 181

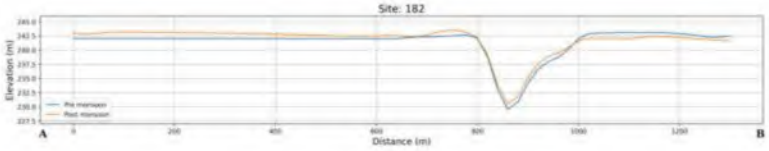




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	242.016	241.311	-0.705
2	20	242.018	241.376	-0.642
3	40	242.021	241.532	-0.489
4	60	242.024	241.924	-0.100
5	80	242.028	242.503	0.475
6	100	242.030	242.853	0.823
		Avg Deposited		0.649
		Avg Eroded		-0.484

Site: 182

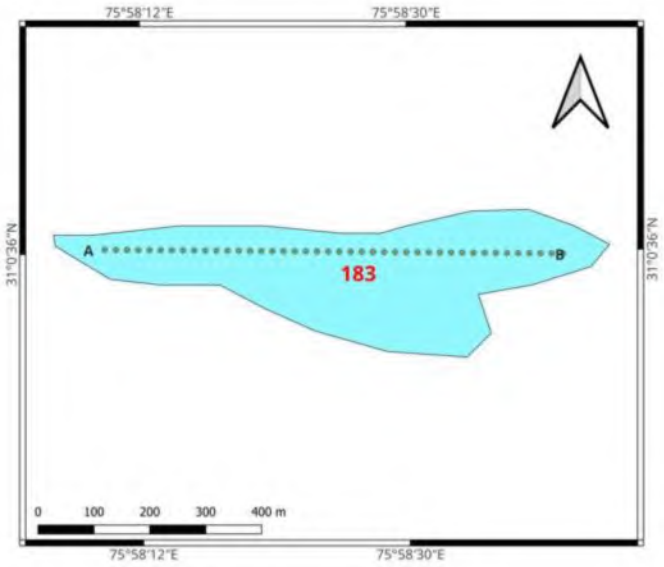


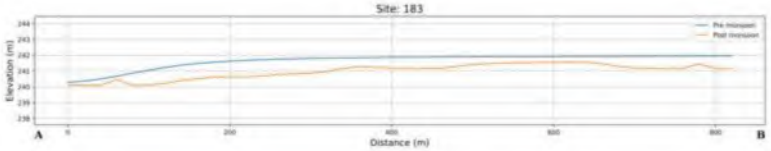


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	242.055	242.955	0.899
2	20	242.055	242.862	0.808
3	40	242.054	242.891	0.836
4	60	242.054	243.072	1.018
5	80	242.054	243.195	1.141
6	100	242.053	243.207	1.154
7	120	242.053	243.189	1.136
8	140	242.052	243.173	1.120
9	160	242.052	243.150	1.098
10	180	242.052	243.129	1.077
11	200	242.051	243.114	1.062
12	220	242.051	243.090	1.039
13	240	242.050	243.065	1.015
14	260	242.049	243.046	0.997
15	280	242.048	243.016	0.968
16	300	242.047	242.982	0.935
17	320	242.046	242.957	0.911
18	340	242.045	242.923	0.878
19	360	242.044	242.888	0.843
20	380	242.043	242.859	0.816
21	400	242.042	242.818	0.777
22	420	242.041	242.776	0.736
23	440	242.038	242.741	0.703

24	460	242.037	242.693	0.656
25	480	242.038	242.643	0.606
26	500	242.039	242.604	0.565
27	520	242.043	242.557	0.514
28	540	242.054	242.516	0.462
29	560	242.062	242.494	0.432
30	580	242.058	242.489	0.431
31	600	242.034	242.521	0.487
32	620	242.011	242.589	0.578
33	640	242.047	242.580	0.533
34	660	242.174	242.409	0.235
35	680	242.315	242.346	0.032
36	700	242.354	242.677	0.323
37	720	242.389	243.175	0.786
38	740	242.480	243.487	1.007
39	760	242.583	243.474	0.892
40	780	242.677	243.136	0.459
41	800	242.069	242.190	0.121
42	820	238.840	239.164	0.325
43	840	233.093	233.872	0.779
44	860	229.498	230.501	1.003
45	880	230.850	231.807	0.958
46	900	234.181	235.094	0.913
47	920	236.656	237.639	0.983
48	940	237.953	238.896	0.943
49	960	238.726	239.481	0.754
50	980	240.140	240.495	0.355
51	1000	241.991	241.672	-0.319
52	1020	242.912	242.126	-0.786
53	1040	243.011	242.118	-0.893
54	1060	243.029	242.124	-0.905
55	1080	243.108	242.108	-1
56	1100	243.125	242.083	-1.042
57	1120	243.082	242.187	-0.895
58	1140	243.082	242.388	-0.694
59	1160	243.103	242.446	-0.658
60	1180	243.024	242.345	-0.679
61	1200	242.892	242.222	-0.670
62	1220	242.760	242.114	-0.646
63	1240	242.527	241.993	-0.534
64	1260	242.284	241.847	-0.438
65	1280	242.301	241.728	-0.573
66	1300	242.489	241.664	-0.825
		Avg Deposited		0.762
		Avg Eroded		-0.722

Site: 183

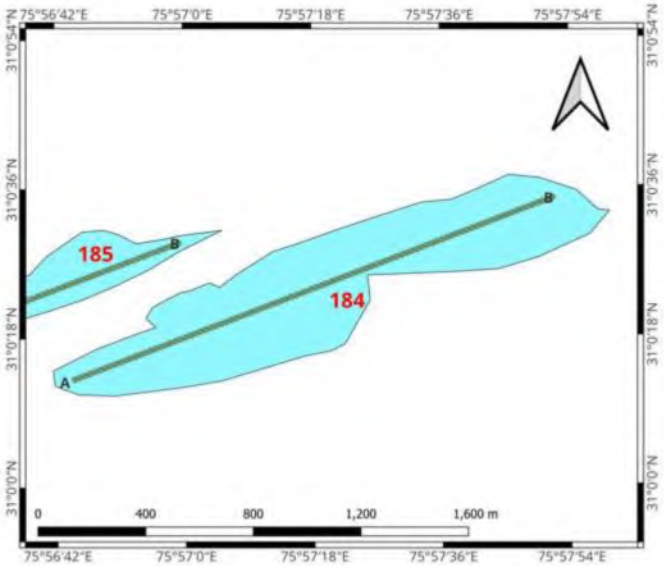


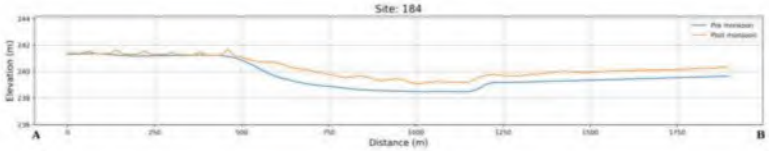


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	240.278	240.104	-0.174
2	20	240.356	240.101	-0.255
3	40	240.489	240.097	-0.392
4	60	240.659	240.436	-0.567
5	80	240.852	240.090	-0.762
6	100	241.045	240.111	-0.933
7	120	241.219	240.217	-1.002
8	140	241.360	240.385	-0.975
9	160	241.469	240.506	-0.963
10	180	241.553	240.602	-0.951
11	200	241.618	240.645	-0.973
12	220	241.669	240.630	-1.039
13	240	241.710	240.676	-1.033
14	260	241.742	240.772	-0.970
15	280	241.768	240.815	-0.953
16	300	241.790	240.855	-0.935
17	320	241.809	240.959	-0.849
18	340	241.824	241.165	-0.659
19	360	241.837	241.268	-0.569
20	380	241.849	241.232	-0.617
21	400	241.859	241.178	-0.681
22	420	241.868	241.163	-0.705
23	440	241.876	241.173	-0.703

24	460	241.883	241.167	-0.716
25	480	241.889	241.277	-0.613
26	500	241.895	241.402	-0.494
27	520	241.901	241.466	-0.435
28	540	241.906	241.503	-0.403
29	560	241.910	241.523	-0.387
30	580	241.915	241.538	-0.377
31	600	241.919	241.552	-0.367
32	620	241.923	241.564	-0.359
33	640	241.926	241.554	-0.372
34	660	241.930	241.458	-0.472
35	680	241.933	241.289	-0.644
36	700	241.936	241.187	-0.749
37	720	241.939	241.168	-0.771
38	740	241.942	241.165	-0.776
39	760	241.944	241.160	-0.784
40	780	241.947	241.445	-0.510
41	800	241.949	241.164	-0.785
42	820	241.951	241.168	-0.782
		Avg Deposited		NA
		Avg Eroded		-0.684

Site: 184



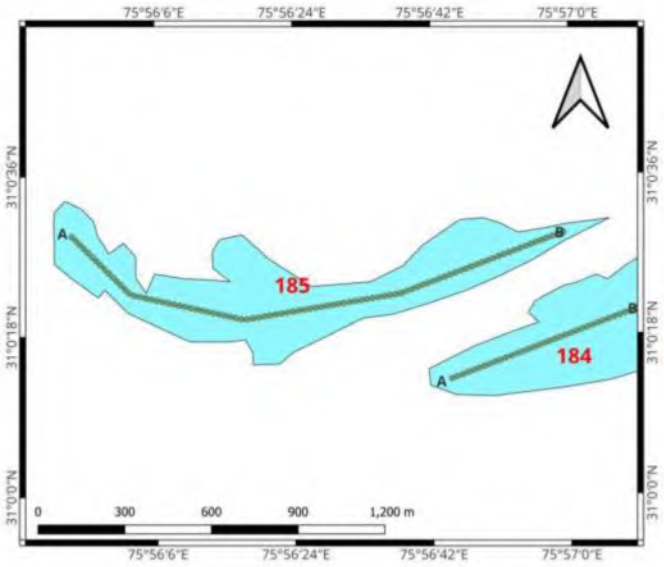


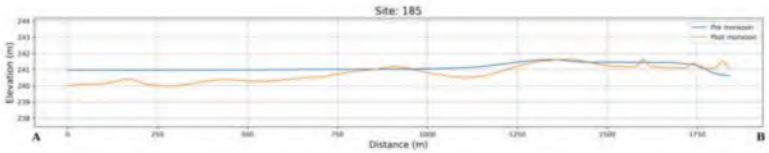
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	241.320	241.366	0.046
2	20	241.328	241.373	0.045
3	40	241.340	241.375	0.035
4	60	241.353	241.526	0.016
5	80	241.360	241.361	0.001
6	100	241.338	241.352	0.014
7	120	241.287	241.343	0.055
8	140	241.245	241.642	0.088
9	160	241.212	241.323	0.111
10	180	241.176	241.314	0.138
11	200	241.163	241.305	0.143
12	220	241.172	241.544	0.125
13	240	241.182	241.291	0.108
14	260	241.190	241.286	0.096
15	280	241.201	241.279	0.079
16	300	241.212	241.447	0.059
17	320	241.220	241.262	0.043
18	340	241.229	241.254	0.025
19	360	241.239	241.246	0.007
20	380	241.245	241.480	-0.006
21	400	241.244	241.231	-0.013
22	420	241.232	241.224	-0.008
23	440	241.203	241.218	0.015

24	460	241.146	241.667	0.064
25	480	241.036	241.182	0.146
26	500	240.861	241.076	0.216
27	520	240.630	240.899	0.268
28	540	240.364	240.777	0.413
29	560	240.083	240.741	0.658
30	580	239.819	240.726	0.906
31	600	239.609	240.671	1.061
32	620	239.462	240.521	1.059
33	640	239.336	240.328	0.992
34	660	239.212	240.233	1.020
35	680	239.102	240.177	1.075
36	700	239.017	240.058	1.041
37	720	238.951	239.908	0.957
38	740	238.899	239.830	0.931
39	760	238.861	239.755	0.895
40	780	238.807	239.617	0.810
41	800	238.729	239.535	0.806
42	820	238.664	239.612	0.948
43	840	238.627	239.660	1.034
44	860	238.599	239.577	0.978
45	880	238.573	239.430	0.857
46	900	238.556	239.293	0.738
47	920	238.546	239.351	0.805
48	940	238.533	239.464	0.931
49	960	238.514	239.397	0.883
50	980	238.498	239.212	0.713
51	1000	238.484	239.084	0.600
52	1020	238.472	239.111	0.640
53	1040	238.474	239.204	0.730
54	1060	238.489	239.248	0.760
55	1080	238.493	239.216	0.723
56	1100	238.484	239.203	0.718
57	1120	238.475	239.188	0.713
58	1140	238.471	239.167	0.696
59	1160	238.510	239.287	0.778
60	1180	238.713	239.535	0.822
61	1200	239.025	239.720	0.694
62	1220	239.166	239.776	0.610
63	1240	239.171	239.745	0.574
64	1260	239.176	239.681	0.506
65	1280	239.188	239.658	0.470
66	1300	239.200	239.694	0.494
67	1320	239.214	239.751	0.537
68	1340	239.230	239.797	0.567
69	1360	239.245	239.835	0.591
70	1380	239.257	239.888	0.631
71	1400	239.271	239.956	0.685
72	1420	239.285	240.012	0.727
73	1440	239.298	240.005	0.707
74	1460	239.314	239.946	0.632
75	1480	239.331	239.921	0.590

76	1500	239.346	239.937	0.591
77	1520	239.359	239.970	0.611
78	1540	239.373	240.006	0.633
79	1560	239.389	240.034	0.645
80	1580	239.403	240.049	0.646
81	1600	239.419	240.065	0.646
82	1620	239.437	240.080	1.049
83	1640	239.453	240.088	0.636
84	1660	239.466	240.101	0.636
85	1680	239.481	240.120	0.638
86	1700	239.497	240.133	0.980
87	1720	239.512	240.139	0.627
88	1740	239.529	240.147	0.618
89	1760	239.548	240.160	0.612
90	1780	239.565	240.188	0.623
91	1800	239.579	240.231	0.652
92	1820	239.594	240.254	0.660
93	1840	239.610	240.255	0.645
94	1860	239.624	240.252	0.627
95	1880	239.635	240.359	0.612
96	1900	239.640	240.243	0.603
		Avg Deposited		0.558
		Avg Eroded		-0.009

Site: 185



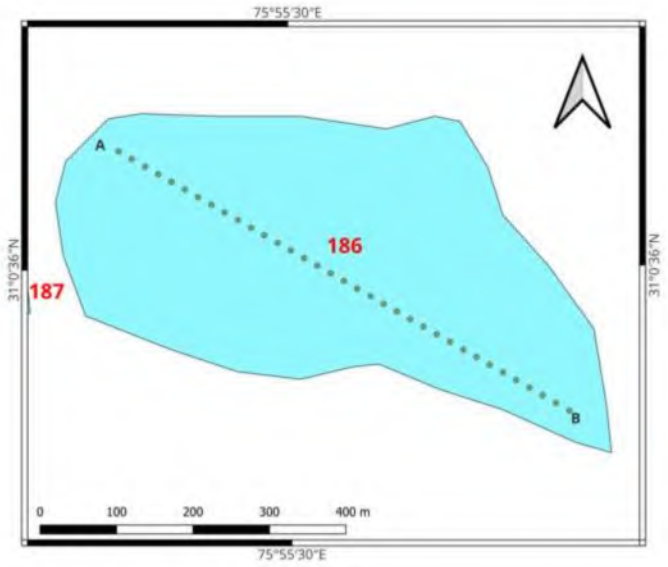


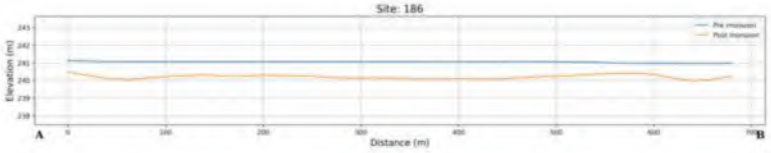
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	240.970	239.993	-0.978
2	20	240.970	240.038	-0.932
3	40	240.970	240.104	-0.866
4	60	240.970	240.113	-0.857
5	80	240.970	240.103	-0.867
6	100	240.970	240.126	-0.844
7	120	240.970	240.190	-0.780
8	140	240.970	240.299	-0.671
9	160	240.970	240.380	-0.590
10	180	240.970	240.367	-0.604
11	200	240.970	240.213	-0.757
12	220	240.970	240.072	-0.899
13	240	240.971	240.044	-0.927
14	260	240.971	239.989	-0.982
15	280	240.971	239.956	-1.016
16	300	240.972	239.991	-0.981
17	320	240.972	240.046	-0.926
18	340	240.973	240.108	-0.865
19	360	240.973	240.177	-0.796
20	380	240.974	240.250	-0.724
21	400	240.974	240.312	-0.662
22	420	240.975	240.355	-0.620
23	440	240.976	240.368	-0.608

24	460	240.977	240.357	-0.620
25	480	240.977	240.331	-0.647
26	500	240.978	240.300	-0.678
27	520	240.979	240.278	-0.701
28	540	240.980	240.269	-0.711
29	560	240.982	240.279	-0.703
30	580	240.985	240.313	-0.673
31	600	240.990	240.359	-0.631
32	620	240.994	240.410	-0.584
33	640	240.996	240.452	-0.543
34	660	240.997	240.484	-0.514
35	680	240.999	240.512	-0.487
36	700	241.001	240.545	-0.456
37	720	241.002	240.600	-0.402
38	740	241.004	240.676	-0.327
39	760	241.005	240.759	-0.246
40	780	241.007	240.839	-0.168
41	800	241.009	240.903	-0.106
42	820	241.011	240.941	-0.070
43	840	241.014	240.972	-0.042
44	860	241.017	241.032	0.015
45	880	241.020	241.112	0.092
46	900	241.023	241.169	0.146
47	920	241.027	241.168	0.141
48	940	241.032	241.101	0.069
49	960	241.037	240.998	-0.039
50	980	241.043	240.893	-0.149
51	1000	241.050	240.803	-0.247
52	1020	241.058	240.724	-0.334
53	1040	241.067	240.652	-0.415
54	1060	241.079	240.592	-0.487
55	1080	241.092	240.542	-0.550
56	1100	241.109	240.509	-0.600
57	1120	241.130	240.516	-0.614
58	1140	241.158	240.562	-0.596
59	1160	241.201	240.629	-0.572
60	1180	241.257	240.724	-0.533
61	1200	241.311	240.851	-0.460
62	1220	241.367	240.995	-0.372
63	1240	241.424	241.137	-0.287
64	1260	241.478	241.272	-0.206
65	1280	241.533	241.386	-0.147
66	1300	241.576	241.469	-0.107
67	1320	241.602	241.524	-0.078
68	1340	241.610	241.559	-0.050
69	1360	241.598	241.593	-0.005
70	1380	241.565	241.631	0.066
71	1400	241.515	241.637	0.122
72	1420	241.476	241.579	0.103
73	1440	241.454	241.488	0.034
74	1460	241.446	241.400	-0.046
75	1480	241.452	241.317	-0.135

76	1500	241.456	241.242	-0.215
77	1520	241.455	241.193	-0.263
78	1540	241.452	241.175	-0.277
79	1560	241.449	241.173	-0.277
80	1580	241.448	241.172	-0.276
81	1600	241.446	241.663	0.016
82	1620	241.443	241.168	-0.275
83	1640	241.442	241.153	-0.289
84	1660	241.441	241.126	-0.315
85	1680	241.431	241.107	-0.324
86	1700	241.393	241.101	-0.292
87	1720	241.342	241.096	-0.245
88	1740	241.304	241.410	-0.212
89	1760	241.176	241.088	-0.087
90	1780	240.935	241.086	0.151
91	1800	240.756	241.083	0.328
92	1820	240.667	241.530	0.414
93	1840	240.621	241.080	0.459
		Avg Deposited		0.165
		Avg Eroded		-0.484

Site: 186

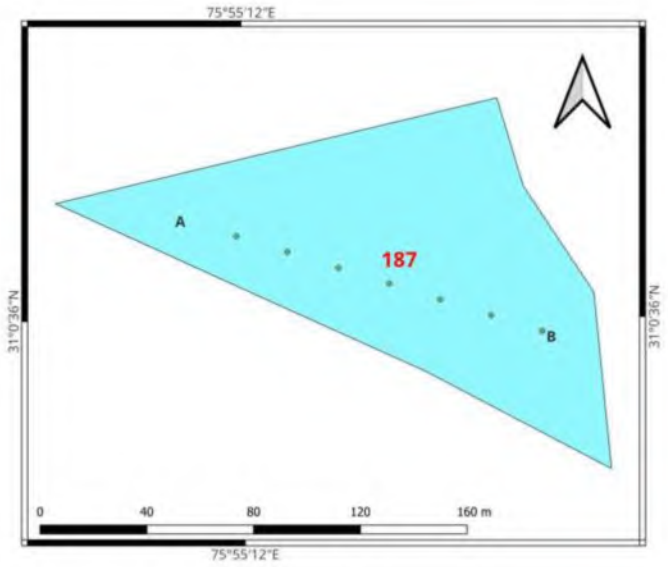


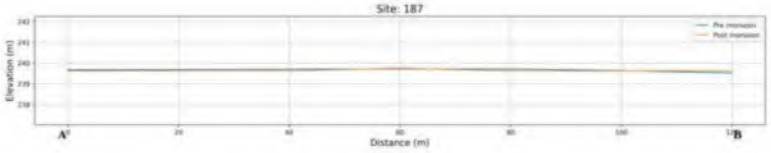


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	241.143	240.474	-0.669
2	20	241.103	240.290	-0.813
3	40	241.076	240.108	-0.968
4	60	241.070	240.066	-1.004
5	80	241.069	240.123	-0.946
6	100	241.069	240.218	-0.851
7	120	241.069	240.275	-0.794
8	140	241.069	240.307	-0.762
9	160	241.069	240.248	-0.821
10	180	241.069	240.241	-0.828
11	200	241.069	240.293	-0.775
12	220	241.068	240.269	-0.799
13	240	241.068	240.260	-0.809
14	260	241.068	240.214	-0.854
15	280	241.068	240.133	-0.935
16	300	241.068	240.126	-0.942
17	320	241.068	240.135	-0.932
18	340	241.068	240.113	-0.955
19	360	241.068	240.085	-0.983
20	380	241.068	240.086	-0.982
21	400	241.067	240.110	-0.958
22	420	241.067	240.084	-0.984
23	440	241.067	240.080	-0.987

24	460	241.067	240.141	-0.926
25	480	241.067	240.220	-0.847
26	500	241.067	240.232	-0.834
27	520	241.061	240.283	-0.778
28	540	241.038	240.363	-0.675
29	560	240.998	240.397	-0.602
30	580	240.974	240.417	-0.557
31	600	240.968	240.342	-0.625
32	620	240.967	240.128	-0.839
33	640	240.967	239.977	-0.990
34	660	240.967	240.057	-0.910
35	680	240.967	240.248	-0.719
		Avg Deposited		NA
		Avg Eroded		-0.847

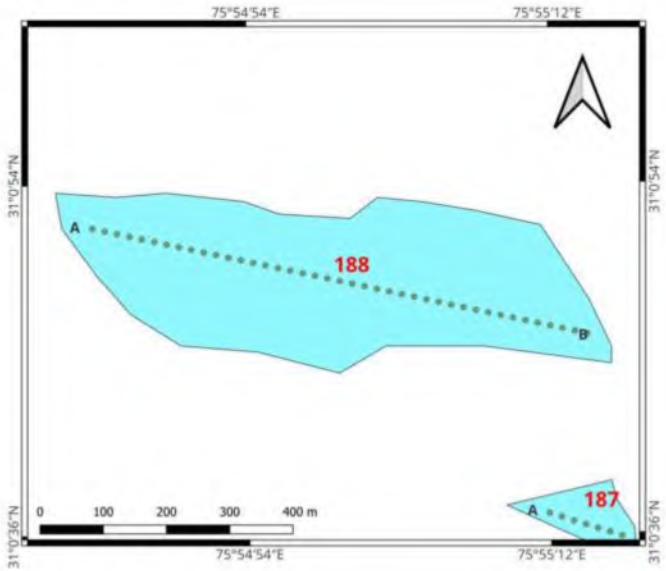
Site: 187

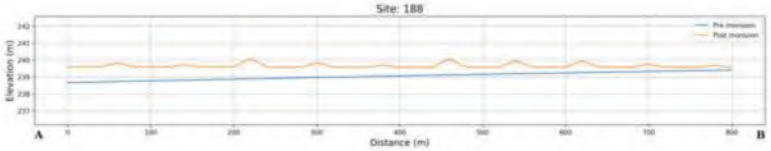




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	239.674	239.624	-0.050
2	20	239.685	239.624	-0.061
3	40	239.700	239.625	-0.075
4	60	239.715	239.750	-0.091
5	80	239.711	239.625	-0.087
6	100	239.637	239.625	-0.013
7	120	239.522	239.625	0.103
		Avg Deposited		0.103
		Avg Eroded		-0.063

Site: 188

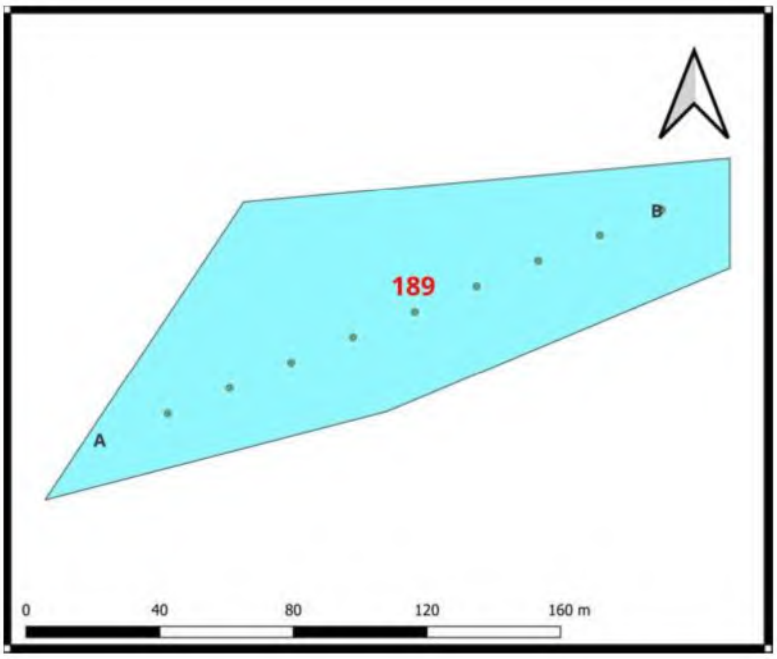


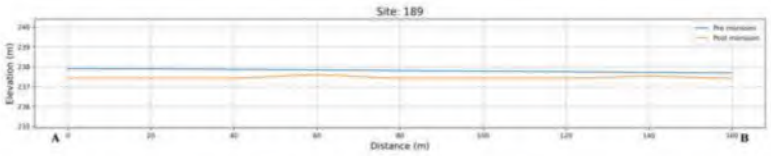


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	238.673	239.592	0.919
2	20	238.689	239.592	0.902
3	40	238.711	239.591	0.880
4	60	238.733	239.833	0.857
5	80	238.753	239.590	0.838
6	100	238.770	239.590	0.820
7	120	238.789	239.590	0.801
8	140	238.809	239.721	0.780
9	160	238.830	239.589	0.758
10	180	238.852	239.588	0.736
11	200	238.873	239.588	0.715
12	220	238.891	240.080	0.696
13	240	238.910	239.587	0.677
14	260	238.930	239.587	0.656
15	280	238.951	239.586	0.635
16	300	238.971	239.843	0.615
17	320	238.989	239.585	0.596
18	340	239.007	239.585	0.578
19	360	239.026	239.584	0.557
20	380	239.046	239.693	0.537
21	400	239.066	239.583	0.517
22	420	239.083	239.582	0.499
23	440	239.100	239.582	0.482

24	460	239.119	240.069	0.462
25	480	239.138	239.581	0.442
26	500	239.158	239.580	0.422
27	520	239.177	239.579	0.403
28	540	239.195	239.961	0.384
29	560	239.210	239.578	0.368
30	580	239.224	239.578	0.354
31	600	239.240	239.577	0.336
32	620	239.258	239.955	0.317
33	640	239.277	239.575	0.299
34	660	239.293	239.575	0.282
35	680	239.309	239.574	0.265
36	700	239.327	239.742	0.246
37	720	239.345	239.573	0.228
38	740	239.362	239.572	0.210
39	760	239.378	239.571	0.193
40	780	239.393	239.695	0.178
41	800	239.405	239.570	0.165
		Avg Deposited		0.527
		Avg Eroded		NA

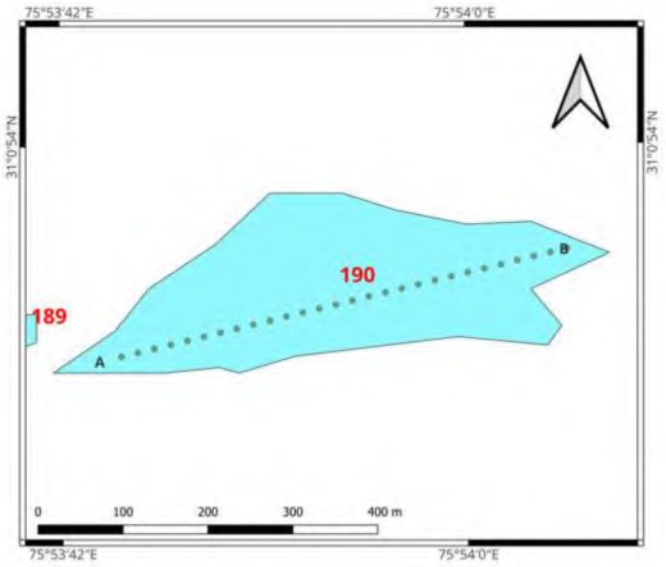
Site: 189

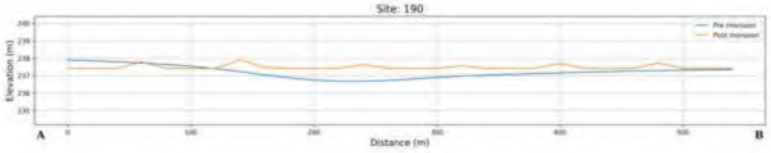




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.898	237.415	-0.483
2	20	237.892	237.415	-0.477
3	40	237.871	237.415	-0.455
4	60	237.838	237.603	-0.423
5	80	237.804	237.415	-0.388
6	100	237.774	237.415	-0.359
7	120	237.748	237.415	-0.332
8	140	237.713	237.531	-0.298
9	160	237.683	237.415	-0.267
		Avg Deposited		NA
		Avg Eroded		-0.387

Site: 190

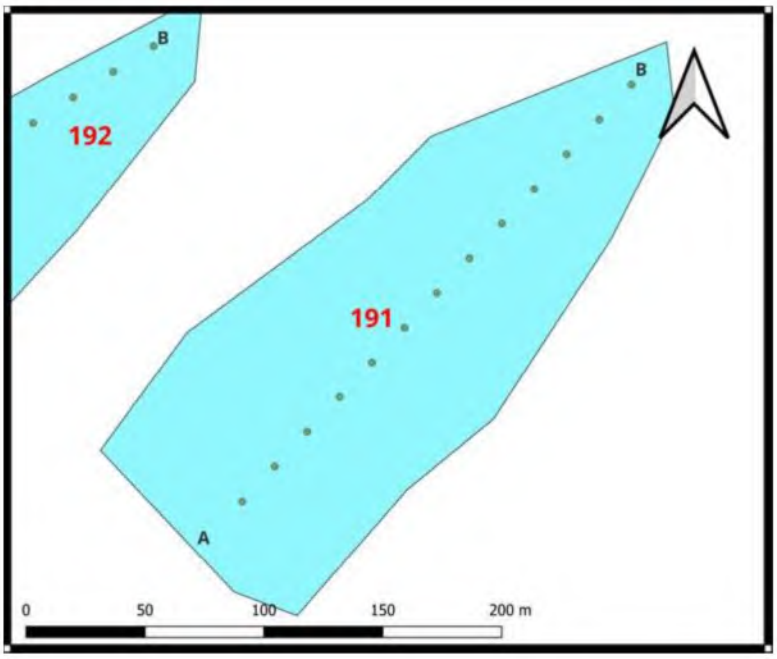


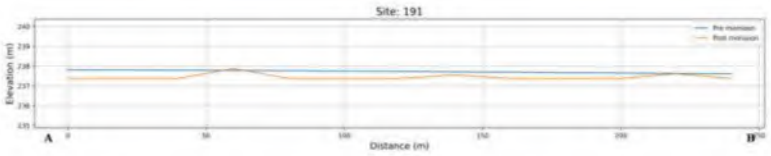


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.893	237.415	-0.478
2	20	237.855	237.415	-0.440
3	40	237.802	237.415	-0.387
4	60	237.735	237.801	-0.320
5	80	237.650	237.415	-0.235
6	100	237.539	237.415	-0.124
7	120	237.401	237.415	0.014
8	140	237.232	237.908	0.183
9	160	237.049	237.485	0.366
10	180	236.875	237.415	0.540
11	200	236.747	237.415	0.668
12	220	236.681	237.415	0.734
13	240	236.678	237.645	0.737
14	260	236.723	237.415	0.692
15	280	236.807	237.415	0.608
16	300	236.901	237.415	0.514
17	320	236.978	237.580	0.437
18	340	237.036	237.415	0.379
19	360	237.077	237.415	0.338
20	380	237.120	237.415	0.295
21	400	237.163	237.702	0.252
22	420	237.204	237.415	0.211
23	440	237.238	237.415	0.177

24	460	237.268	237.415	0.147
25	480	237.293	237.741	0.122
26	500	237.316	237.415	0.099
27	520	237.335	237.415	0.080
28	540	237.351	237.415	0.064
		Avg Deposited		0.348
		Avg Eroded		-0.331

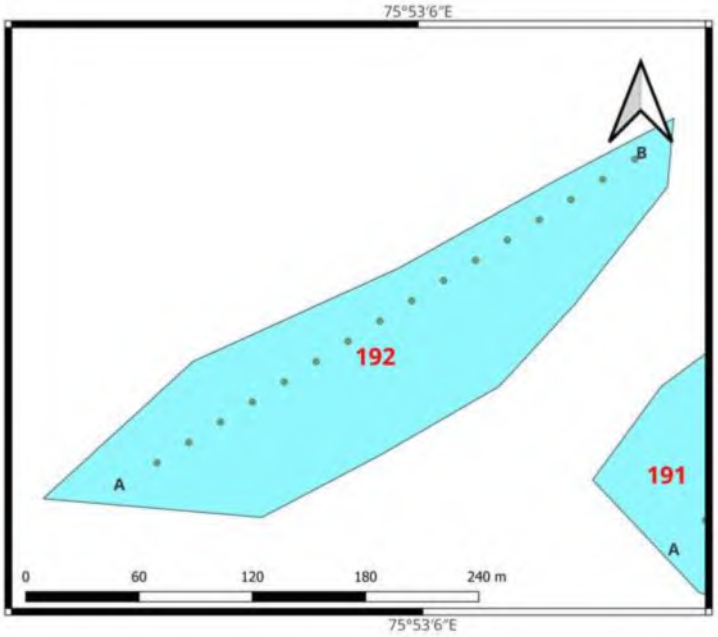
Site: 191

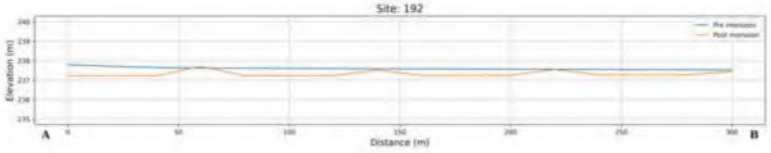




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.814	237.375	-0.439
2	20	237.805	237.375	-0.430
3	40	237.793	237.374	-0.418
4	60	237.780	237.873	-0.406
5	80	237.764	237.373	-0.391
6	100	237.747	237.373	-0.373
7	120	237.728	237.373	-0.355
8	140	237.709	237.551	-0.337
9	160	237.689	237.372	-0.317
10	180	237.668	237.372	-0.296
11	200	237.647	237.372	-0.275
12	220	237.626	237.613	-0.255
13	240	237.610	237.371	-0.239
		Avg Deposited		NA
		Avg Eroded		-0.348

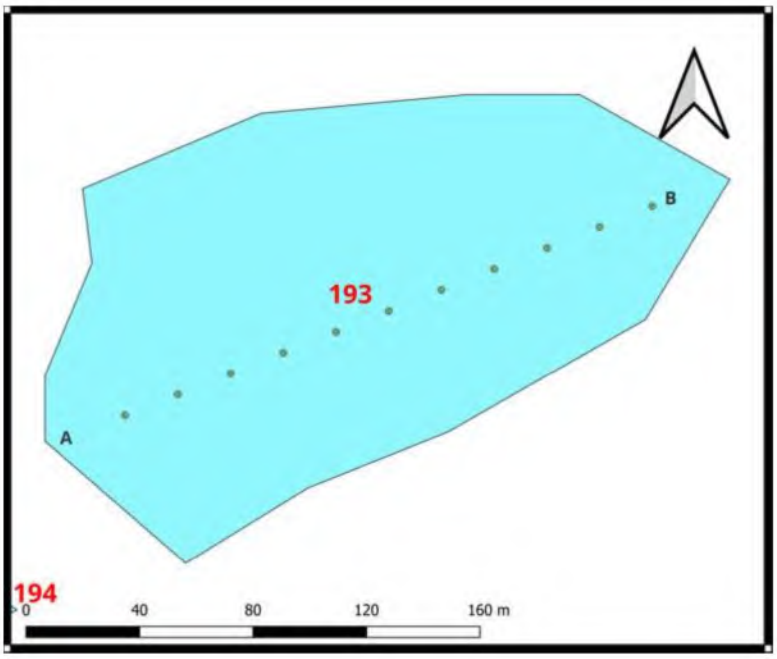
Site: 192

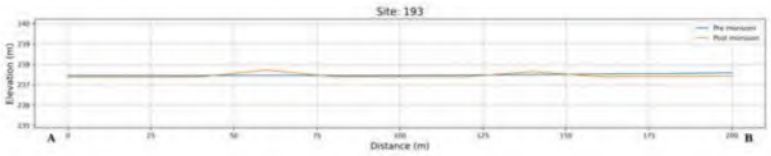




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.791	237.210	-0.581
2	20	237.712	237.214	-0.497
3	40	237.647	237.220	-0.427
4	60	237.621	237.712	-0.396
5	80	237.609	237.230	-0.379
6	100	237.600	237.235	-0.365
7	120	237.590	237.239	-0.352
8	140	237.584	237.512	-0.341
9	160	237.578	237.247	-0.331
10	180	237.571	237.250	-0.321
11	200	237.563	237.253	-0.311
12	220	237.556	237.545	-0.300
13	240	237.547	237.259	-0.288
14	260	237.538	237.262	-0.277
15	280	237.530	237.265	-0.265
16	300	237.523	237.448	-0.256
		Avg Deposited		NA
		Avg Eroded		-0.355

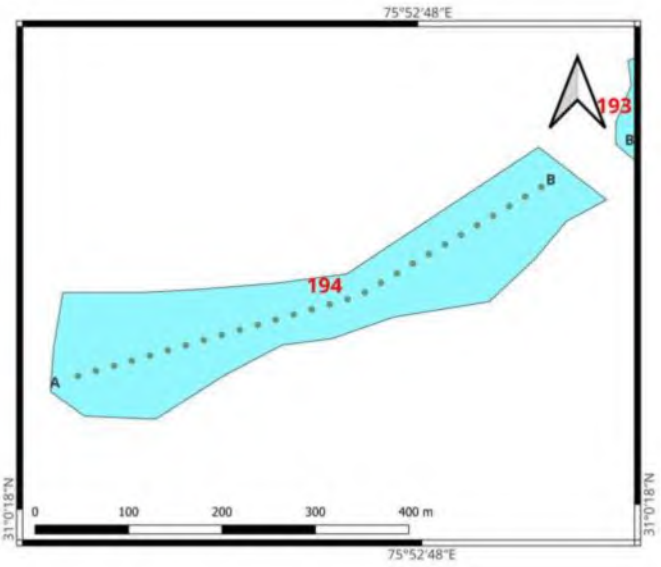
Site: 193

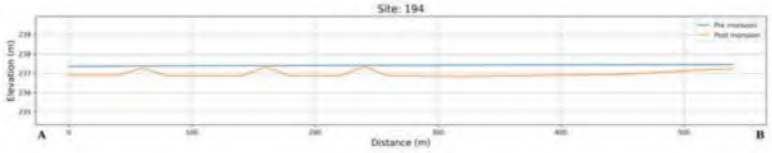




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.449	237.376	-0.073
2	20	237.449	237.379	-0.070
3	40	237.450	237.382	-0.067
4	60	237.450	237.719	0.128
5	80	237.451	237.388	-0.063
6	100	237.454	237.390	-0.064
7	120	237.469	237.392	-0.077
8	140	237.495	237.640	-0.100
9	160	237.517	237.397	-0.120
10	180	237.544	237.398	-0.146
11	200	237.579	237.398	-0.181
		Avg Deposited		NA
		Avg Eroded		-0.093

Site: 194

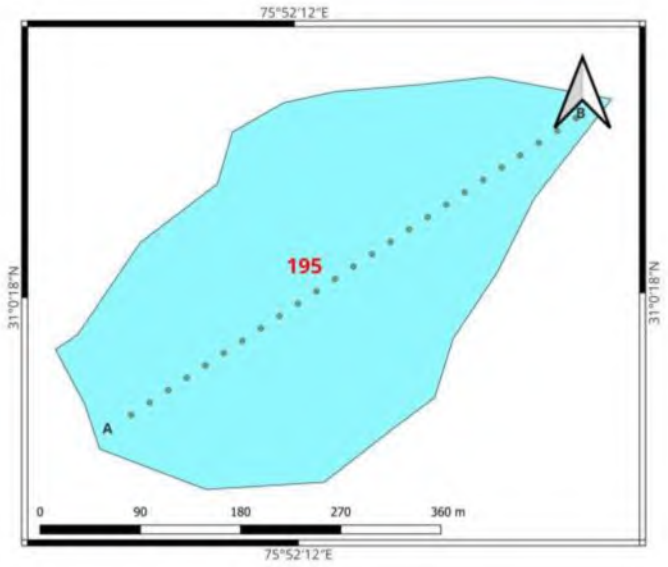


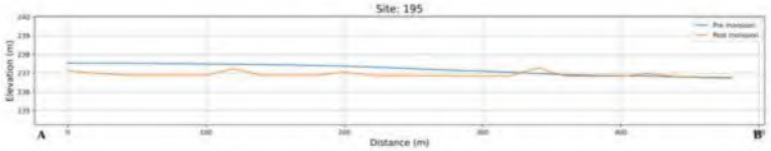


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.348	236.889	-0.459
2	20	237.354	236.889	-0.465
3	40	237.362	236.888	-0.474
4	60	237.369	237.265	-0.491
5	80	237.375	236.861	-0.514
6	100	237.381	236.851	-0.530
7	120	237.386	236.849	-0.536
8	140	237.390	236.850	-0.540
9	160	237.394	237.315	-0.087
10	180	237.397	236.852	-0.545
11	200	237.401	236.853	-0.547
12	220	237.404	236.855	-0.550
13	240	237.408	237.344	-0.338
14	260	237.410	236.855	-0.556
15	280	237.412	236.847	-0.566
16	300	237.415	236.831	-0.584
17	320	237.417	236.823	-0.594
18	340	237.420	236.836	-0.585
19	360	237.423	236.861	-0.562
20	380	237.426	236.880	-0.546
21	400	237.429	236.897	-0.531
22	420	237.431	236.913	-0.518
23	440	237.433	236.926	-0.507

24	460	237.435	236.969	-0.467
25	480	237.437	237.042	-0.396
26	500	237.439	237.119	-0.320
27	520	237.440	237.184	-0.257
28	540	237.441	237.226	-0.215
		Avg Deposited		NA
		Avg Eroded		-0.498

Site: 195

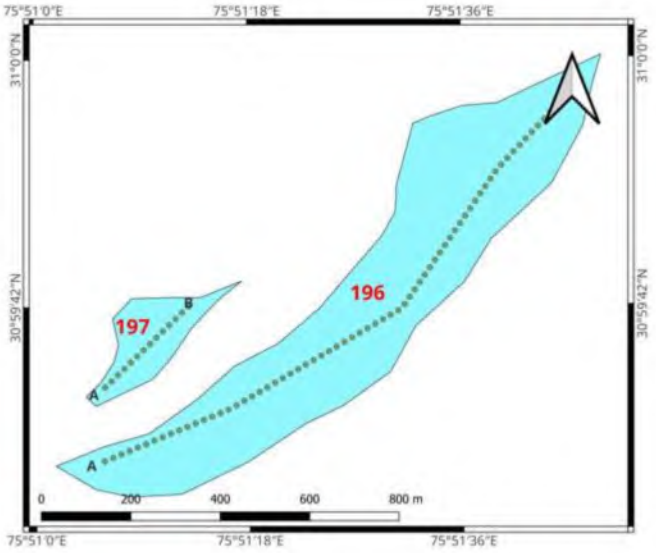


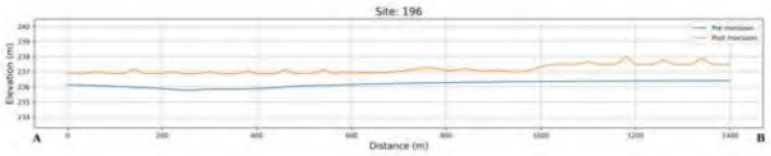


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	237.531	237.125	-0.406
2	20	237.528	236.993	-0.535
3	40	237.520	236.902	-0.618
4	60	237.512	236.882	-0.630
5	80	237.502	236.880	-0.622
6	100	237.489	236.880	-0.609
7	120	237.474	237.233	-0.593
8	140	237.456	236.880	-0.576
9	160	237.433	236.880	-0.553
10	180	237.405	236.880	-0.524
11	200	237.370	237.046	-0.490
12	220	237.321	236.878	-0.443
13	240	237.262	236.868	-0.394
14	260	237.202	236.852	-0.350
15	280	237.146	236.841	-0.305
16	300	237.098	236.838	-0.260
17	320	237.045	236.837	-0.208
18	340	236.978	237.280	-0.141
19	360	236.909	236.835	-0.074
20	380	236.873	236.834	-0.039
21	400	236.860	236.832	-0.028
22	420	236.836	236.968	-0.009
23	440	236.795	236.811	0.016

24	460	236.755	236.786	0.030
25	480	236.730	236.770	0.040
		Avg Deposited		0.029
		Avg Eroded		-0.382

Site: 196

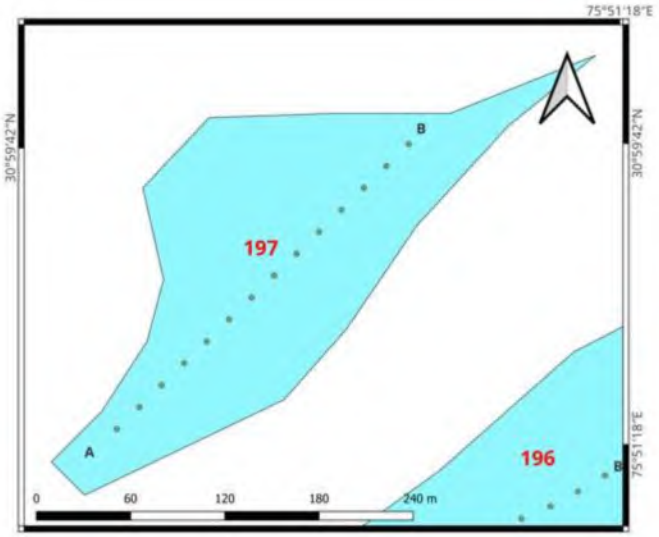


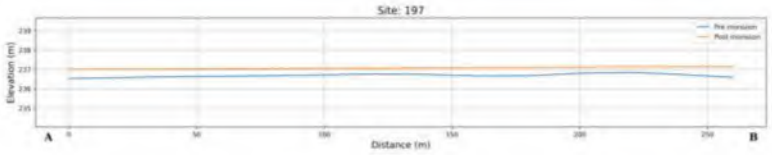


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	236.132	236.882	0.750
2	20	236.117	236.882	0.765
3	40	236.097	236.882	0.784
4	60	236.078	237.016	0.803
5	80	236.059	236.879	0.820
6	100	236.031	236.876	0.845
7	120	235.996	236.875	0.879
8	140	235.965	237.198	0.910
9	160	235.937	236.872	0.935
10	180	235.906	236.868	0.962
11	200	235.872	236.866	0.993
12	220	235.830	237.001	1.035
13	240	235.784	236.866	1.081
14	260	235.773	236.864	1.091
15	280	235.808	236.859	1.051
16	300	235.837	237.013	1.019
17	320	235.840	236.855	1.016
18	340	235.837	236.856	1.019
19	360	235.843	236.856	1.507
20	380	235.855	237.041	1.001
21	400	235.872	236.857	0.985
22	420	235.895	236.858	0.963
23	440	235.934	236.860	0.926
24	460	235.989	237.137	0.873

25	480	236.035	236.866	0.831
26	500	236.057	236.869	0.812
27	520	236.071	236.873	0.802
28	540	236.087	237.136	0.792
29	560	236.105	236.890	0.785
30	580	236.124	236.900	1.271
31	600	236.142	236.910	0.768
32	620	236.159	236.921	0.763
33	640	236.175	236.931	0.756
34	660	236.189	236.936	1.125
35	680	236.202	236.957	0.755
36	700	236.216	237.013	0.797
37	720	236.230	237.098	0.868
38	740	236.242	237.198	0.956
39	760	236.252	237.266	1.014
40	780	236.262	237.199	0.937
41	800	236.272	237.058	0.786
42	820	236.281	237.093	0.812
43	840	236.290	237.191	0.901
44	860	236.299	237.111	0.812
45	880	236.308	237.039	0.731
46	900	236.315	237.085	0.769
47	920	236.323	237.050	0.727
48	940	236.330	236.990	0.661
49	960	236.336	236.993	0.657
50	980	236.342	237.107	0.765
51	1000	236.347	237.335	0.988
52	1020	236.352	237.478	1.126
53	1040	236.357	237.507	1.150
54	1060	236.362	237.506	1.144
55	1080	236.366	237.502	1.135
56	1100	236.371	237.651	1.327
57	1120	236.374	237.496	1.121
58	1140	236.377	237.494	1.117
59	1160	236.380	237.493	1.113
60	1180	236.382	237.987	1.394
61	1200	236.384	237.492	1.108
62	1220	236.386	237.491	1.105
63	1240	236.388	237.491	1.103
64	1260	236.390	237.785	1.597
65	1280	236.392	237.490	1.098
66	1300	236.393	237.490	1.096
67	1320	236.395	237.489	1.094
68	1340	236.397	237.902	1.475
69	1360	236.399	237.488	1.090
70	1380	236.400	237.488	1.088
71	1400	236.401	237.488	1.087
		Avg Deposited		0.937
		Avg Eroded		NA

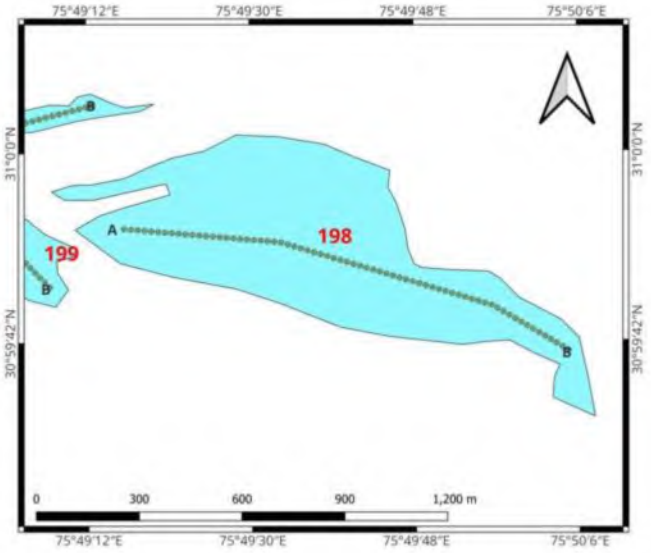
Site: 197

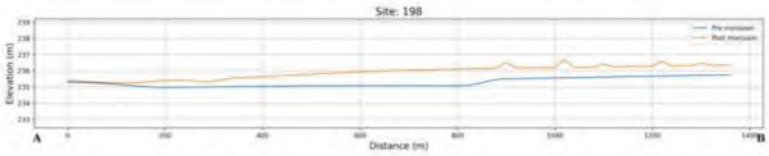




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	236.530	237.008	0.479
2	20	236.578	237.014	0.436
3	40	236.624	237.023	0.398
4	60	236.649	237.033	0.383
5	80	236.674	237.044	0.370
6	100	236.720	237.054	0.334
7	120	236.763	237.064	0.302
8	140	236.743	237.077	0.334
9	160	236.668	237.091	0.423
10	180	236.676	237.105	0.430
11	200	236.802	237.119	0.316
12	220	236.848	237.133	0.285
13	240	236.736	237.149	0.413
14	260	236.594	237.160	0.565
		Avg Deposited		0.390
		Avg Eroded		NA

Site: 198

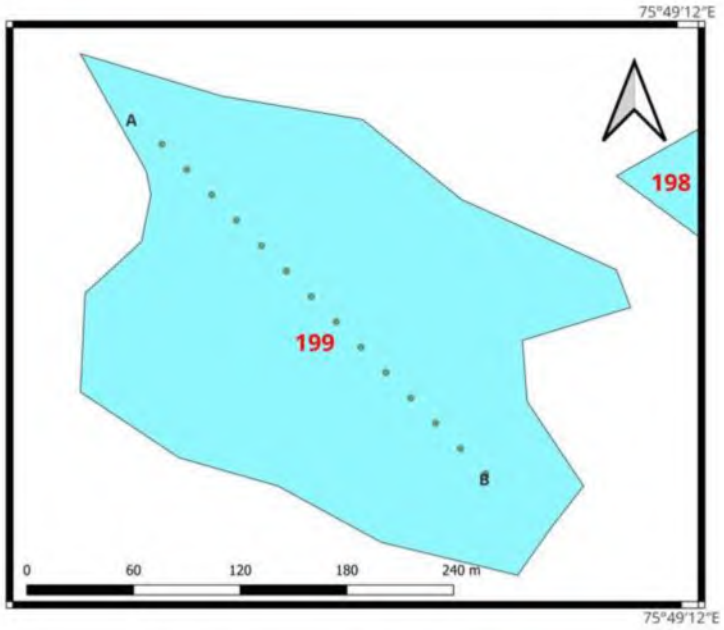


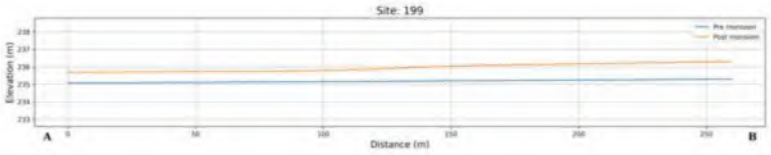


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	235.299	235.385	0.087
2	20	235.287	235.361	0.074
3	40	235.266	235.328	0.062
4	60	235.241	235.296	0.056
5	80	235.209	235.266	0.057
6	100	235.163	235.244	0.081
7	120	235.108	235.238	0.131
8	140	235.054	235.254	0.200
9	160	235.010	235.296	0.286
10	180	234.983	235.354	0.372
11	200	234.970	235.398	0.428
12	220	234.969	235.416	0.447
13	240	234.975	235.411	0.436
14	260	234.982	235.370	0.388
15	280	234.990	235.318	0.329
16	300	234.998	235.354	0.355
17	320	235.009	235.464	0.455
18	340	235.020	235.542	0.522
19	360	235.029	235.576	0.547
20	380	235.035	235.602	0.567
21	400	235.039	235.632	0.593
22	420	235.043	235.666	0.622
23	440	235.048	235.696	0.648
24	460	235.054	235.723	0.670

25	480	235.058	235.753	0.694
26	500	235.063	235.786	0.724
27	520	235.066	235.817	0.751
28	540	235.070	235.846	0.776
29	560	235.073	235.873	0.800
30	580	235.075	235.899	0.825
31	600	235.076	235.924	0.848
32	620	235.076	235.947	0.871
33	640	235.077	235.972	0.896
34	660	235.077	235.996	0.919
35	680	235.077	236.015	0.938
36	700	235.077	236.032	0.955
37	720	235.077	236.047	0.970
38	740	235.077	236.061	0.984
39	760	235.076	236.074	0.999
40	780	235.074	236.090	1.016
41	800	235.075	236.105	1.031
42	820	235.093	236.117	1.024
43	840	235.183	236.128	0.945
44	860	235.341	236.137	0.796
45	880	235.454	236.147	0.692
46	900	235.494	236.517	0.661
47	920	235.508	236.163	0.655
48	940	235.518	236.172	0.654
49	960	235.528	236.182	0.783
50	980	235.539	236.191	0.652
51	1000	235.551	236.198	0.648
52	1020	235.562	236.690	0.642
53	1040	235.573	236.210	1.084
54	1060	235.584	236.216	0.632
55	1080	235.594	236.222	0.627
56	1100	235.606	236.416	0.624
57	1120	235.617	236.240	0.952
58	1140	235.629	236.250	0.621
59	1160	235.640	236.260	0.620
60	1180	235.651	236.270	0.618
61	1200	235.662	236.279	1.069
62	1220	235.673	236.587	0.615
63	1240	235.685	236.297	0.612
64	1260	235.696	236.305	0.609
65	1280	235.707	236.313	1.033
66	1300	235.718	236.478	0.603
67	1320	235.729	236.328	0.599
68	1340	235.739	236.334	0.596
69	1360	235.745	236.339	0.968
		Avg Deposited		0.607
		Avg Eroded		NA

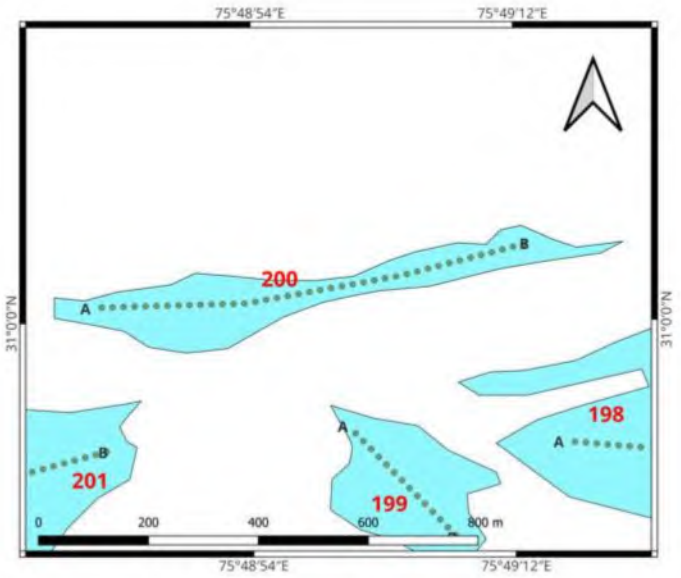
Site: 199

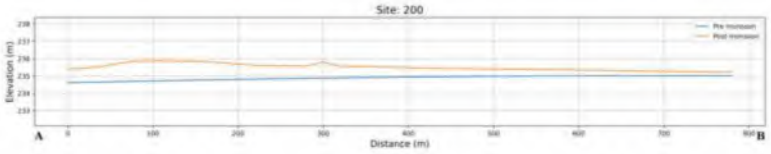




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	235.080	235.698	0.618
2	20	235.090	235.705	0.615
3	40	235.105	235.717	0.612
4	60	235.120	235.733	0.941
5	80	235.135	235.752	0.617
6	100	235.152	235.785	0.633
7	120	235.170	235.867	0.697
8	140	235.188	235.990	0.802
9	160	235.205	236.078	0.873
10	180	235.222	236.124	0.902
11	200	235.241	236.167	0.925
12	220	235.261	236.212	0.951
13	240	235.280	236.257	0.977
14	260	235.292	236.287	0.995
		Avg Deposited		0.774
		Avg Eroded		NA

Site: 200

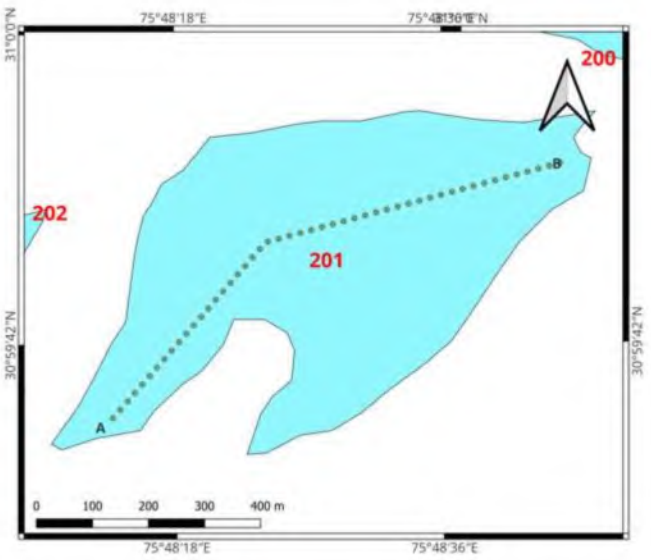


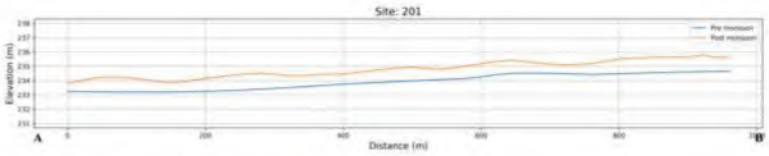


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.616	235.411	0.795
2	20	234.630	235.439	0.809
3	40	234.651	235.549	0.899
4	60	234.671	235.732	1.061
5	80	234.692	235.847	1.155
6	100	234.711	235.872	1.161
7	120	234.731	235.862	1.131
8	140	234.749	235.837	1.088
9	160	234.767	235.814	1.047
10	180	234.785	235.767	0.982
11	200	234.802	235.683	0.881
12	220	234.818	235.613	0.794
13	240	234.834	235.584	0.750
14	260	234.849	235.579	0.730
15	280	234.863	235.576	0.713
16	300	234.877	235.798	0.691
17	320	234.890	235.558	0.668
18	340	234.903	235.548	0.645
19	360	234.915	235.532	0.617
20	380	234.926	235.505	0.579
21	400	234.937	235.475	0.538
22	420	234.948	235.456	0.508
23	440	234.957	235.443	0.486

24	460	234.966	235.431	0.465
25	480	234.974	235.419	0.445
26	500	234.981	235.406	0.425
27	520	234.988	235.393	0.404
28	540	234.995	235.380	0.385
29	560	235	235.367	0.367
30	580	235.004	235.352	0.348
31	600	235.007	235.338	0.330
32	620	235.010	235.323	0.313
33	640	235.012	235.309	0.297
34	660	235.013	235.294	0.281
35	680	235.013	235.280	0.267
36	700	235.013	235.266	0.254
37	720	235.012	235.253	0.242
38	740	235.010	235.240	0.230
39	760	235.008	235.229	0.220
40	780	235.007	235.221	0.213
		Avg Deposited		0.605
		Avg Eroded		NA

Site: 201

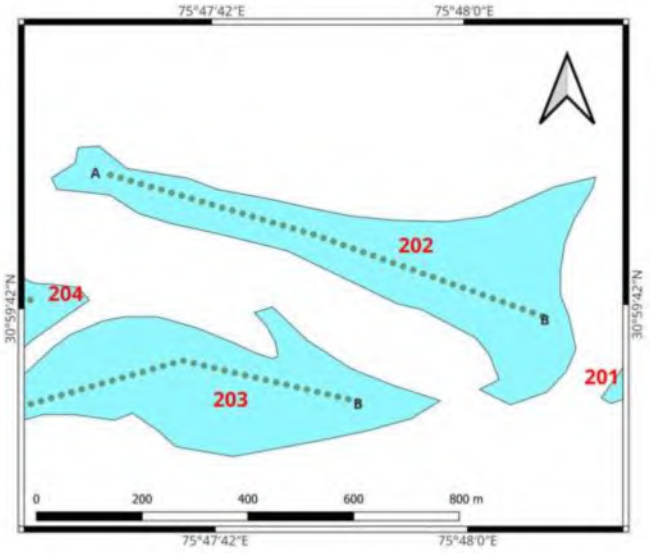


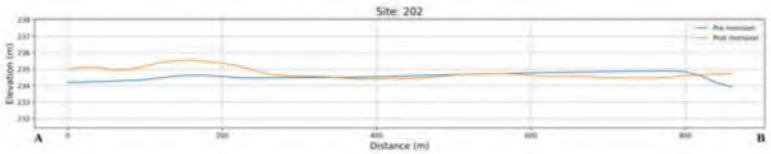


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	233.236	233.803	0.567
2	20	233.227	233.980	0.753
3	40	233.212	234.184	0.972
4	60	233.195	234.256	1.061
5	80	233.187	234.216	1.030
6	100	233.187	234.135	0.949
7	120	233.188	234.008	0.820
8	140	233.190	233.878	0.688
9	160	233.201	233.876	0.675
10	180	233.218	234.012	0.795
11	200	233.239	234.151	0.912
12	220	233.268	234.254	0.985
13	240	233.305	234.374	1.069
14	260	233.346	234.463	1.117
15	280	233.394	234.501	1.107
16	300	233.447	234.445	0.998
17	320	233.503	234.344	0.840
18	340	233.562	234.348	0.786
19	360	233.622	234.407	0.785
20	380	233.684	234.426	0.742
21	400	233.742	234.455	0.713
22	420	233.793	234.562	0.768
23	440	233.839	234.697	0.858
24	460	233.883	234.785	0.902

25	480	233.928	234.888	0.960
26	500	233.973	234.934	0.961
27	520	234.017	234.854	0.837
28	540	234.059	234.785	0.725
29	560	234.100	234.875	0.775
30	580	234.151	235.029	0.878
31	600	234.255	235.164	0.909
32	620	234.396	235.317	0.920
33	640	234.484	235.413	0.928
34	660	234.518	235.351	0.833
35	680	234.516	235.220	0.705
36	700	234.496	235.144	0.648
37	720	234.483	235.107	0.624
38	740	234.445	235.119	0.673
39	760	234.427	235.187	0.760
40	780	234.447	235.338	0.891
41	800	234.476	235.497	1.022
42	820	234.503	235.567	1.064
43	840	234.530	235.608	1.079
44	860	234.555	235.629	1.075
45	880	234.578	235.625	1.047
46	900	234.601	235.620	1.019
47	920	234.620	235.799	1
48	940	234.636	235.618	0.982
49	960	234.647	235.614	0.967
		Avg Deposited		0.881
		Avg Eroded		NA

Site: 202

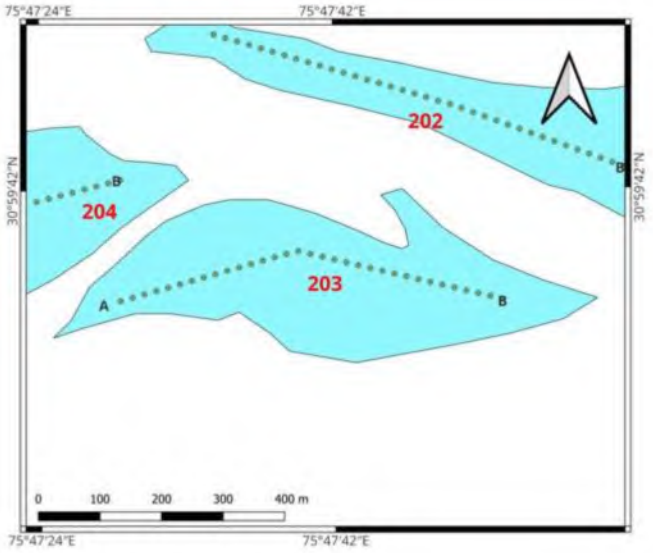


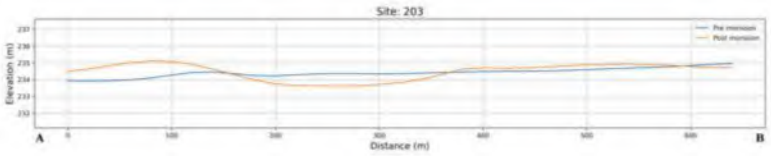


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.204	234.991	0.787
2	20	234.211	235.123	0.912
3	40	234.237	235.100	0.864
4	60	234.277	234.949	0.672
5	80	234.309	234.970	0.661
6	100	234.363	235.188	0.825
7	120	234.472	235.403	0.931
8	140	234.582	235.522	0.940
9	160	234.626	235.548	0.922
10	180	234.615	235.470	0.855
11	200	234.562	235.364	0.802
12	220	234.490	235.214	0.724
13	240	234.459	234.946	0.487
14	260	234.468	234.702	0.234
15	280	234.487	234.588	0.101
16	300	234.499	234.566	0.067
17	320	234.502	234.565	0.062
18	340	234.501	234.531	0.030
19	360	234.502	234.457	-0.046
20	380	234.516	234.404	-0.112
21	400	234.540	234.411	-0.129
22	420	234.567	234.431	-0.135
23	440	234.593	234.432	-0.161
24	460	234.618	234.473	-0.145

25	480	234.642	234.555	-0.088
26	500	234.666	234.639	-0.027
27	520	234.688	234.700	0.012
28	540	234.708	234.721	0.013
29	560	234.728	234.732	0.003
30	580	234.751	234.715	-0.035
31	600	234.772	234.620	-0.152
32	620	234.791	234.553	-0.238
33	640	234.810	234.552	-0.258
34	660	234.827	234.562	-0.266
35	680	234.841	234.540	-0.301
36	700	234.854	234.491	-0.363
37	720	234.867	234.465	-0.402
38	740	234.878	234.459	-0.420
39	760	234.890	234.463	-0.427
40	780	234.895	234.517	-0.378
41	800	234.848	234.613	-0.235
42	820	234.603	234.674	0.070
43	840	234.187	234.702	0.515
44	860	233.930	234.727	0.797
		Avg Deposited		0.512
		Avg Eroded		-0.216

Site: 203

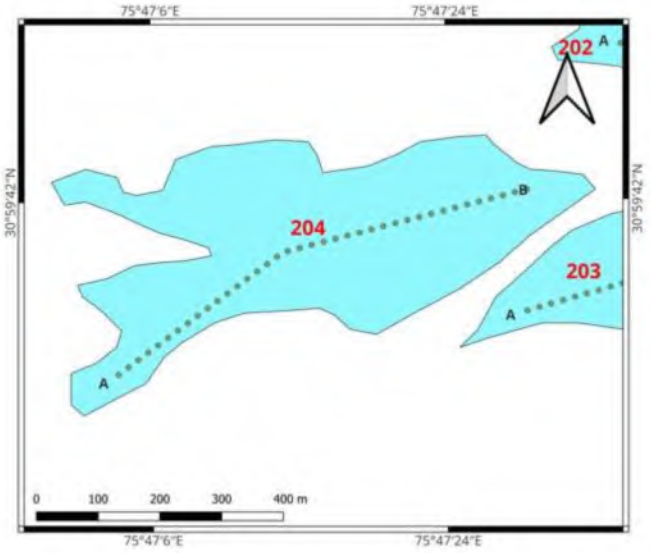


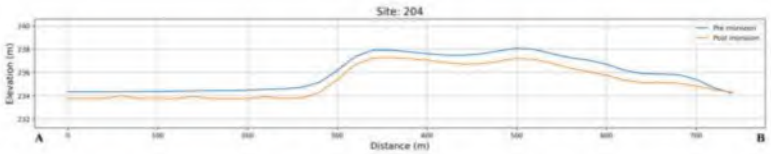


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	233.924	234.498	0.573
2	20	233.913	234.632	0.719
3	40	233.927	234.822	0.895
4	60	233.983	235.003	1.019
5	80	234.094	235.109	1.015
6	100	234.270	235.080	0.810
7	120	234.423	234.903	0.480
8	140	234.454	234.630	0.175
9	160	234.348	234.298	-0.050
10	180	234.239	233.974	-0.265
11	200	234.220	233.736	-0.484
12	220	234.279	233.646	-0.633
13	240	234.335	233.635	-0.699
14	260	234.363	233.619	-0.744
15	280	234.350	233.628	-0.722
16	300	234.332	233.701	-0.631
17	320	234.345	233.815	-0.530
18	340	234.381	233.995	-0.386
19	360	234.418	234.306	-0.113
20	380	234.451	234.626	0.174
21	400	234.476	234.700	0.224
22	420	234.490	234.671	0.181
23	440	234.498	234.692	0.194
24	460	234.513	234.745	0.232

25	480	234.543	234.813	0.270
26	500	234.589	234.874	0.285
27	520	234.639	234.911	0.272
28	540	234.681	234.918	0.237
29	560	234.721	234.897	0.177
30	580	234.769	234.852	0.083
31	600	234.835	234.782	-0.053
32	620	234.905	234.722	-0.183
33	640	234.953	234.710	-0.243
		Avg Deposited		0.422
		Avg Eroded		-0.410

Site: 204

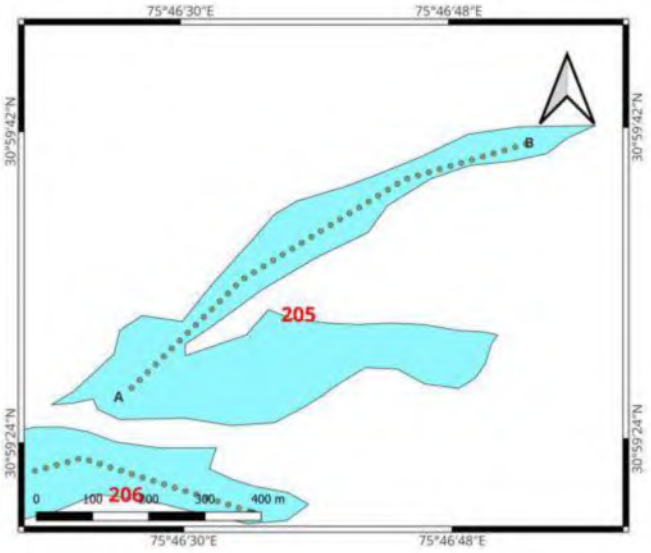


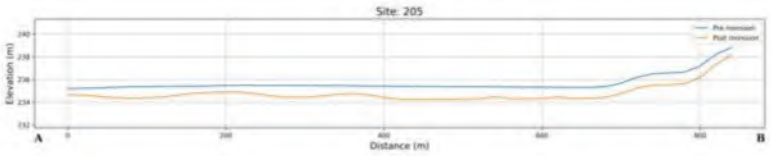


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.336	233.765	-0.571
2	20	234.343	233.763	-0.580
3	40	234.350	233.759	-0.590
4	60	234.355	234	-0.204
5	80	234.361	233.754	-0.607
6	100	234.373	233.752	-0.621
7	120	234.392	233.749	-0.643
8	140	234.411	233.959	-0.664
9	160	234.429	233.744	-0.685
10	180	234.450	233.742	-0.708
11	200	234.486	233.741	-0.745
12	220	234.537	233.935	-0.797
13	240	234.596	233.745	-0.851
14	260	234.715	233.823	-0.892
15	280	235.142	234.265	-0.877
16	300	236.165	235.391	-0.774
17	320	237.363	236.678	-0.685
18	340	237.921	237.240	-0.681
19	360	237.921	237.266	-0.656
20	380	237.777	237.192	-0.585
21	400	237.618	237.063	-0.554
22	420	237.491	236.853	-0.638
23	440	237.475	236.716	-0.759
24	460	237.595	236.748	-0.847

25	480	237.850	236.963	-0.887
26	500	238.091	237.217	-0.874
27	520	237.981	237.129	-0.853
28	540	237.604	236.777	-0.827
29	560	237.265	236.370	-0.895
30	580	237.055	236.077	-0.978
31	600	236.709	235.767	-0.942
32	620	236.190	235.325	-0.865
33	640	235.902	235.137	-0.765
34	660	235.864	235.148	-0.716
35	680	235.809	235.057	-0.752
36	700	235.403	234.846	-0.558
37	720	234.671	234.523	-0.148
38	740	234.241	234.325	0.084
		Avg Deposited		0.084
		Avg Eroded		-0.721

Site: 205

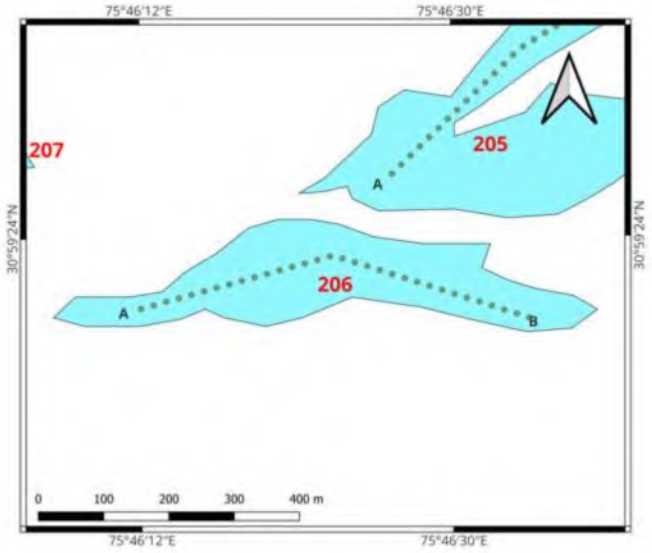


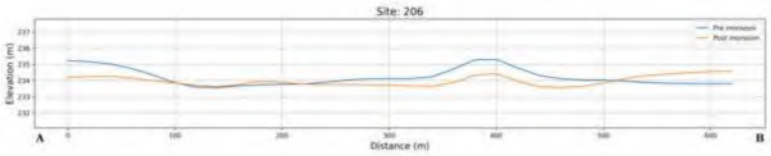


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	235.192	234.666	-0.527
2	20	235.216	234.633	-0.582
3	40	235.260	234.503	-0.757
4	60	235.315	234.387	-0.928
5	80	235.355	234.377	-0.978
6	100	235.378	234.381	-0.996
7	120	235.392	234.460	-0.932
8	140	235.401	234.620	-0.781
9	160	235.410	234.784	-0.626
10	180	235.434	234.863	-0.571
11	200	235.470	234.887	-0.582
12	220	235.489	234.879	-0.610
13	240	235.488	234.739	-0.749
14	260	235.481	234.539	-0.942
15	280	235.474	234.433	-1.042
16	300	235.466	234.437	-1.029
17	320	235.456	234.538	-0.918
18	340	235.446	234.690	-0.756
19	360	235.436	234.748	-0.688
20	380	235.425	234.649	-0.776
21	400	235.413	234.420	-0.993
22	420	235.402	234.270	-1.133
23	440	235.393	234.243	-1.151
24	460	235.383	234.251	-1.133

25	480	235.374	234.262	-1.112
26	500	235.365	234.272	-1.093
27	520	235.356	234.280	-1.076
28	540	235.347	234.495	-1.059
29	560	235.340	234.296	-1.044
30	580	235.331	234.302	-1.029
31	600	235.321	234.310	-1.012
32	620	235.311	234.465	-0.994
33	640	235.302	234.326	-0.976
34	660	235.299	234.341	-0.958
35	680	235.361	234.423	-0.938
36	700	235.671	234.752	-0.920
37	720	236.183	235.250	-0.933
38	740	236.495	235.499	-0.996
39	760	236.567	235.532	-1.035
40	780	236.632	235.612	-1.020
41	800	237.176	236.177	-1
42	820	238.191	237.316	-0.875
43	840	238.810	238.149	-0.661
		Avg Deposited		NA
		Avg Eroded		-0.905

Site: 206

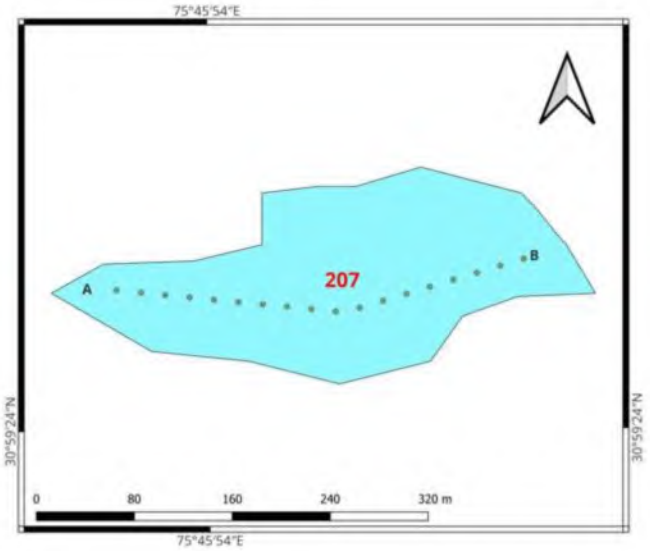


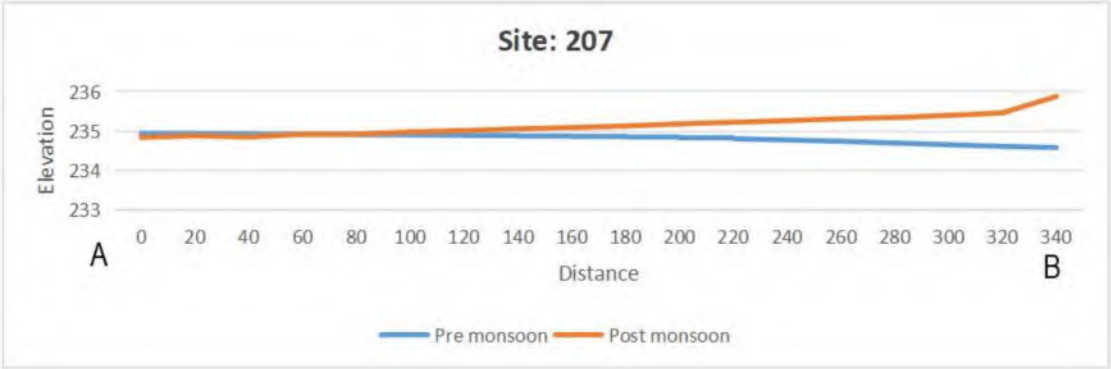


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	235.228	234.204	-1.025
2	20	235.162	234.236	-0.926
3	40	235.018	234.274	-0.744
4	60	234.744	234.147	-0.597
5	80	234.328	233.988	-0.340
6	100	233.868	233.854	-0.014
7	120	233.588	233.698	0.111
8	140	233.568	233.619	0.051
9	160	233.667	233.753	0.086
10	180	233.741	233.944	0.203
11	200	233.760	233.888	0.128
12	220	233.787	233.775	-0.012
13	240	233.885	233.750	-0.135
14	260	234.023	233.748	-0.275
15	280	234.105	233.745	-0.360
16	300	234.123	233.721	-0.402
17	320	234.111	233.669	-0.442
18	340	234.236	233.643	-0.592
19	360	234.711	233.862	-0.849
20	380	235.279	234.338	-0.941
21	400	235.304	234.419	-0.885
22	420	234.776	233.954	-0.822
23	440	234.312	233.619	-0.692
24	460	234.106	233.570	-0.537

25	480	234.041	233.640	-0.401
26	500	234.025	233.842	-0.183
27	520	233.965	234.119	0.155
28	540	233.875	234.310	0.435
29	560	233.827	234.401	0.574
30	580	233.812	234.486	0.674
31	600	233.811	234.556	0.745
32	620	233.808	234.586	0.778
		Avg Deposited		0.358
		Avg Eroded		-0.532

Site: 207

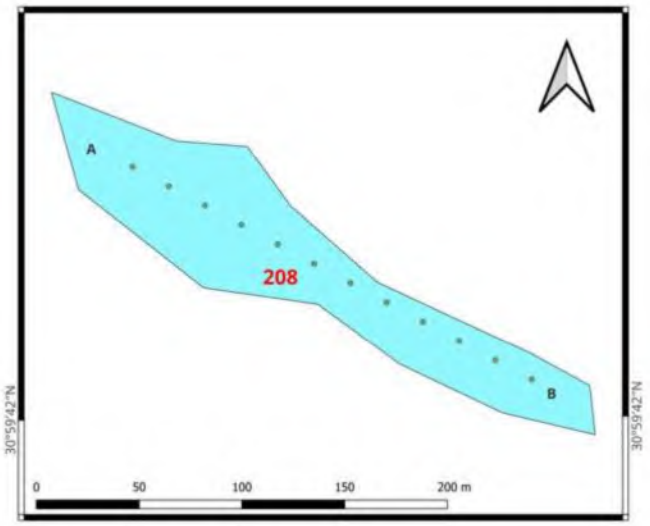


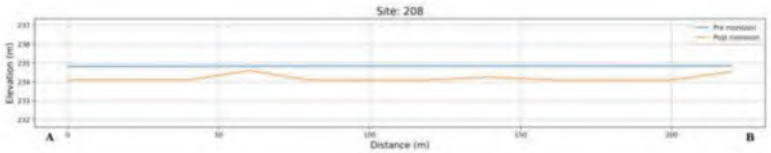


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.937	234.841	-0.096
2	20	234.931	234.881	-0.05
3	40	234.921	234.851	-0.07
4	60	234.914	234.918	0.004
5	80	234.909	234.926	0.017
6	100	234.901	234.977	0.076
7	120	234.888	235.014	0.126
8	140	234.875	235.057	0.182

9	160	234.864	235.089	0.225
10	180	234.851	235.13	0.279
11	200	234.831	235.181	0.35
12	220	234.806	235.223	0.417
13	240	234.776	235.264	0.488
14	260	234.741	235.311	0.57
15	280	234.699	235.343	0.644
16	300	234.654	235.398	0.744
17	320	234.613	235.46	0.847
18	340	234.583	235.878	1.295
		Avg Deposited		0.417
		Avg Eroded		-0.073

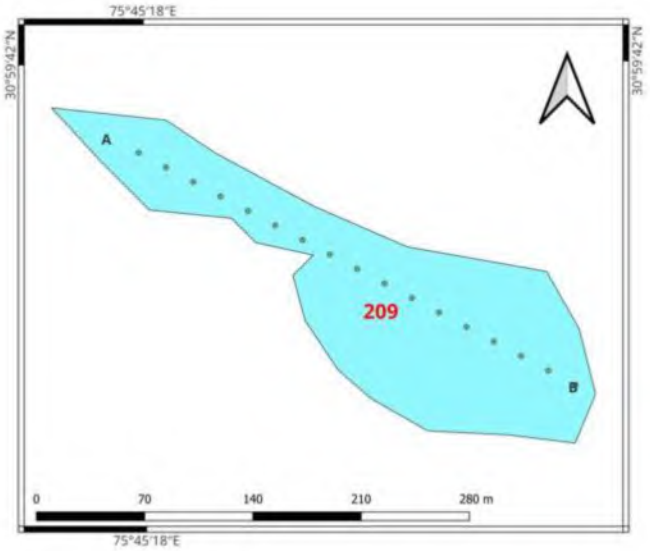
Site: 208

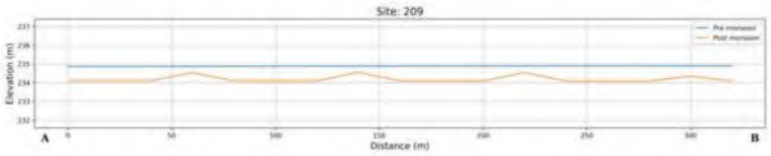




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.829	234.106	-0.723
2	20	234.830	234.106	-0.724
3	40	234.832	234.106	-0.726
4	60	234.834	234.598	-0.496
5	80	234.836	234.106	-0.730
6	100	234.837	234.105	-0.732
7	120	234.839	234.105	-0.734
8	140	234.842	234.259	-0.488
9	160	234.844	234.103	-0.740
10	180	234.845	234.103	-0.743
11	200	234.847	234.102	-0.745
12	220	234.849	234.550	-0.351
		Avg Deposited		NA
		Avg Eroded		-0.734

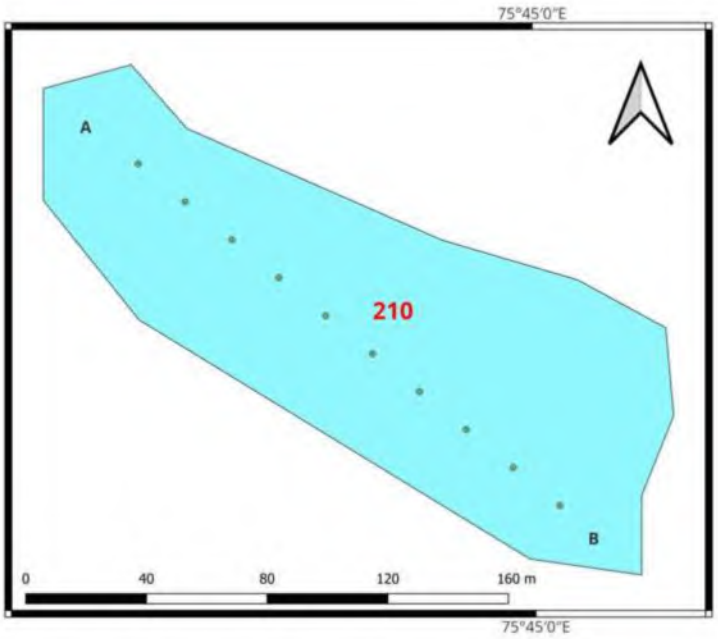
Site: 209

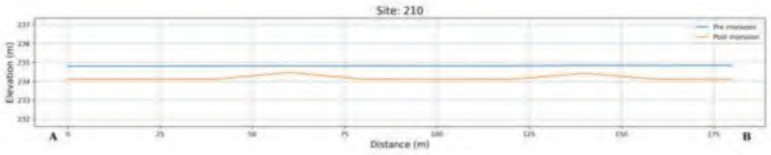




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.864	234.097	-0.767
2	20	234.865	234.096	-0.769
3	40	234.868	234.095	-0.772
4	60	234.871	234.539	-0.428
5	80	234.873	234.093	-0.780
6	100	234.876	234.093	-0.783
7	120	234.879	234.092	-0.787
8	140	234.882	234.561	-0.549
9	160	234.885	234.090	-0.796
10	180	234.888	234.089	-0.799
11	200	234.890	234.088	-0.803
12	220	234.893	234.545	-0.678
13	240	234.895	234.086	-0.809
14	260	234.895	234.084	-0.810
15	280	234.896	234.083	-0.812
16	300	234.898	234.351	-0.481
17	320	234.901	234.083	-0.818
		Avg Deposited		NA
		Avg Eroded		-0.794

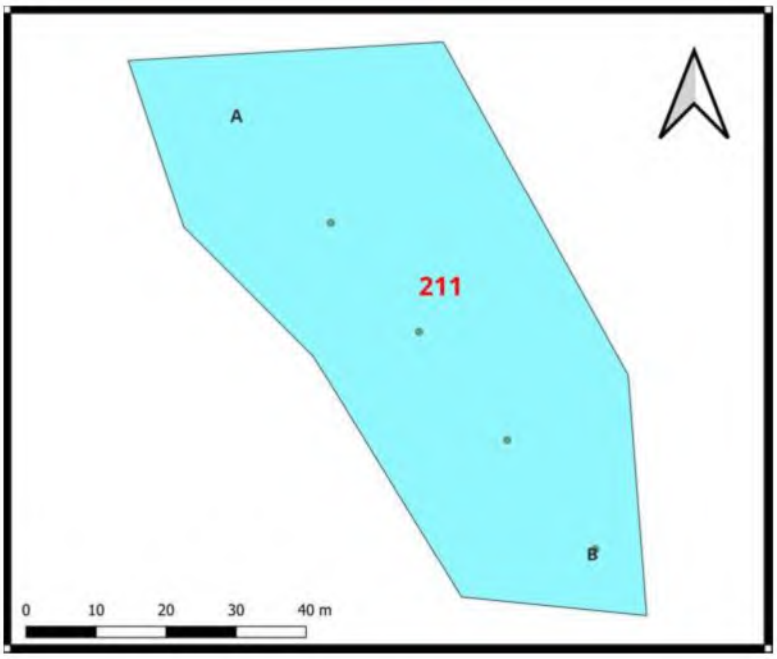
Site: 210





SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.809	234.115	-0.694
2	20	234.810	234.114	-0.695
3	40	234.812	234.113	-0.699
4	60	234.816	234.467	-0.581
5	80	234.820	234.111	-0.709
6	100	234.822	234.110	-0.712
7	120	234.826	234.109	-0.717
8	140	234.830	234.423	-0.554
9	160	234.834	234.107	-0.726
10	180	234.836	234.107	-0.729
		Avg Deposited		NA
		Avg Eroded		-0.711

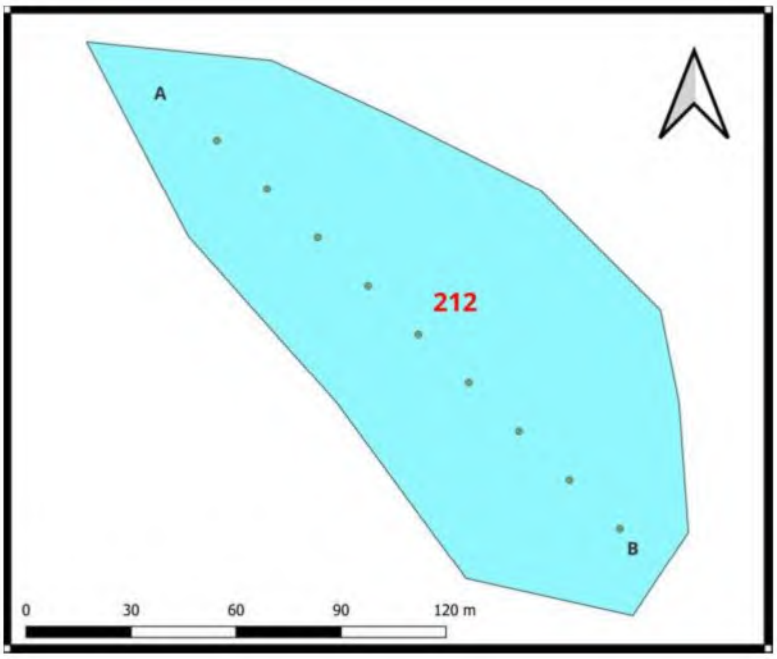
Site: 211

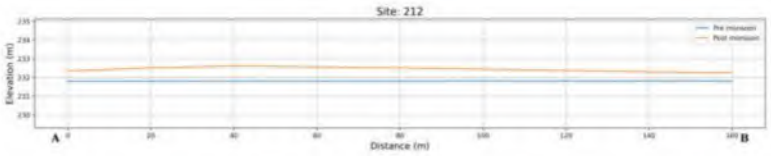




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	234.812	234.114	-0.697
2	20	234.815	234.113	-0.702
3	40	234.820	234.112	-0.707
4	60	234.823	234.323	-0.228
		Avg Deposited		NA
		Avg Eroded		-0.704

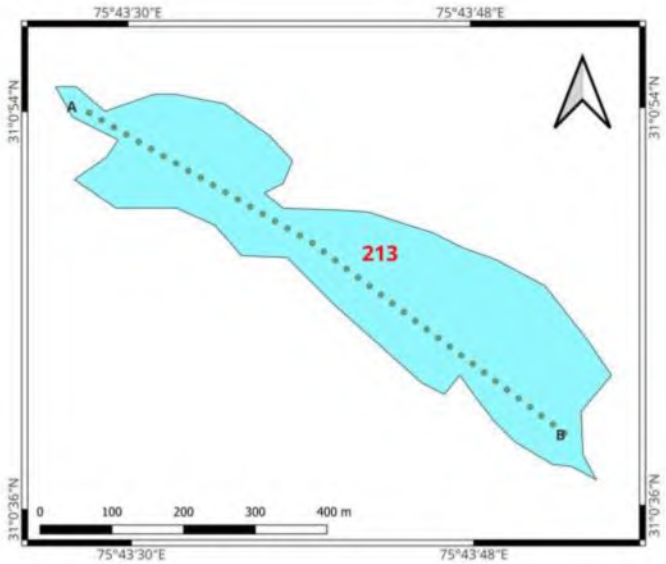
Site: 212

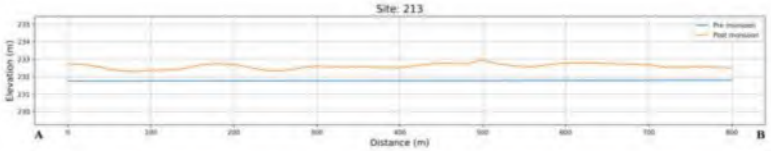




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.798	232.341	0.542
2	20	231.799	232.510	0.711
3	40	231.800	232.613	0.813
4	60	231.801	232.562	0.761
5	80	231.802	232.504	0.703
6	100	231.802	232.441	0.639
7	120	231.803	232.368	0.565
8	140	231.804	232.294	0.490
9	160	231.804	232.245	0.441
		Avg Deposited		0.629
		Avg Eroded		NA

Site: 213

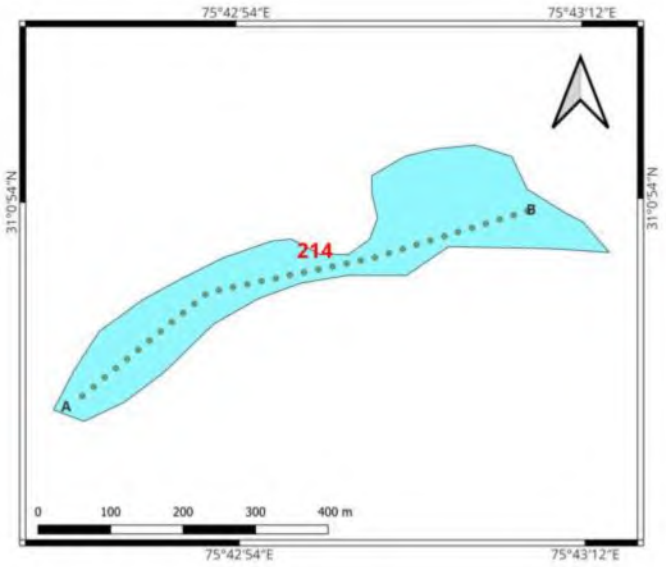


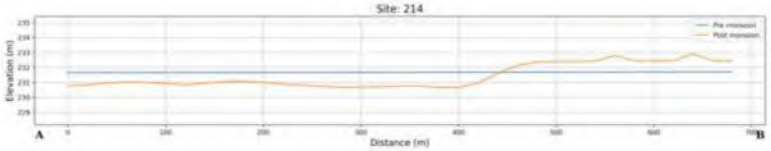


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.741	232.731	0.990
2	20	231.743	232.687	0.945
3	40	231.744	232.527	0.783
4	60	231.746	232.343	0.597
5	80	231.748	232.305	0.557
6	100	231.749	232.354	0.605
7	120	231.751	232.367	0.616
8	140	231.753	232.470	0.717
9	160	231.755	232.659	0.904
10	180	231.756	232.746	0.989
11	200	231.758	232.700	0.942
12	220	231.760	232.514	0.754
13	240	231.761	232.333	0.571
14	260	231.763	232.332	0.569
15	280	231.763	232.495	0.732
16	300	231.762	232.605	0.843
17	320	231.762	232.563	0.801
18	340	231.763	232.545	0.781
19	360	231.764	232.566	0.801
20	380	231.765	232.509	0.744
21	400	231.767	232.508	0.742
22	420	231.768	232.630	0.863
23	440	231.769	232.748	0.979

24	460	231.770	232.754	0.985
25	480	231.771	232.745	0.974
26	500	231.772	232.944	0.978
27	520	231.773	232.708	0.935
28	540	231.774	232.599	0.825
29	560	231.775	232.560	0.785
30	580	231.776	232.687	0.911
31	600	231.777	232.784	1.007
32	620	231.778	232.786	1.008
33	640	231.779	232.770	0.991
34	660	231.780	232.732	0.952
35	680	231.781	232.725	0.944
36	700	231.782	232.666	0.884
37	720	231.783	232.536	0.753
38	740	231.784	232.512	0.728
39	760	231.785	232.581	0.796
40	780	231.786	232.539	0.753
41	800	231.786	232.477	0.690
		Avg Deposited		0.823
		Avg Eroded		NA

Site: 214

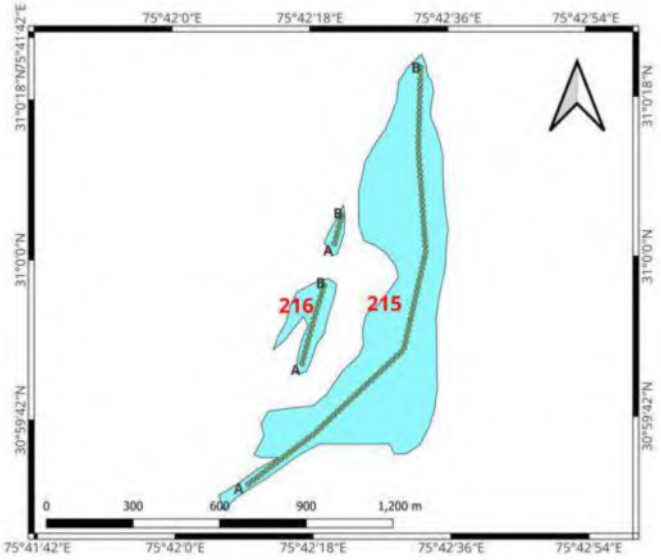


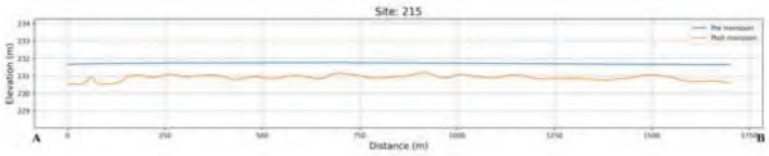


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.648	230.782	-0.866
2	20	231.649	230.833	-0.816
3	40	231.650	230.965	-0.685
4	60	231.651	231.027	-0.624
5	80	231.652	231.007	-0.646
6	100	231.654	230.930	-0.724
7	120	231.655	230.854	-0.801
8	140	231.656	230.937	-0.719
9	160	231.658	231.047	-0.610
10	180	231.659	231.072	-0.587
11	200	231.660	231.005	-0.655
12	220	231.661	230.890	-0.771
13	240	231.663	230.824	-0.839
14	260	231.665	230.732	-0.933
15	280	231.667	230.679	-0.988
16	300	231.668	230.699	-0.969
17	320	231.670	230.710	-0.960
18	340	231.672	230.744	-0.928
19	360	231.674	230.753	-0.922
20	380	231.676	230.665	-1.011
21	400	231.678	230.661	-1.017
22	420	231.680	230.959	-0.721
23	440	231.682	231.592	-0.089

24	460	231.684	232.143	0.459
25	480	231.685	232.364	0.678
26	500	231.687	232.407	0.720
27	520	231.689	232.415	0.726
28	540	231.690	232.420	0.730
29	560	231.692	232.798	1.127
30	580	231.694	232.431	0.737
31	600	231.695	232.436	0.741
32	620	231.696	232.440	0.744
33	640	231.698	232.919	1.231
34	660	231.699	232.437	0.738
35	680	231.700	232.435	0.735
		Avg Deposited		0.707
		Avg Eroded		-0.778

Site: 215



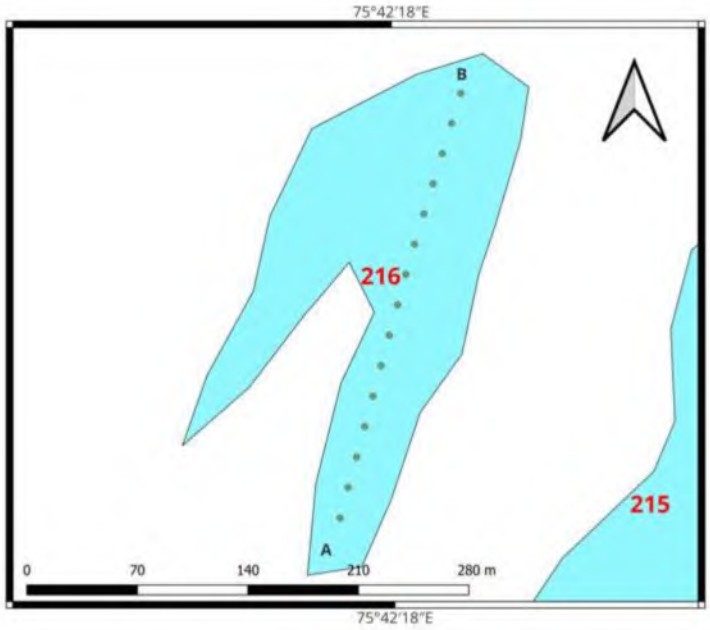


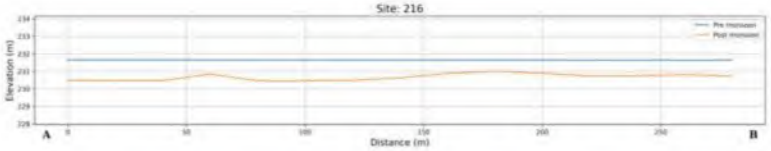
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.668	230.518	-1.150
2	20	231.673	230.517	-1.156
3	40	231.682	230.516	-1.165
4	60	231.691	230.942	-0.701
5	80	231.696	230.516	-1.181
6	100	231.701	230.518	-1.183
7	120	231.706	230.559	-1.146
8	140	231.712	230.736	-0.975
9	160	231.717	230.987	-0.730
10	180	231.721	231.061	-0.660
11	200	231.724	230.982	-0.742
12	220	231.727	230.906	-0.821
13	240	231.731	230.982	-0.749
14	260	231.734	231.100	-0.634
15	280	231.736	231.037	-0.699
16	300	231.738	230.934	-0.804
17	320	231.740	230.973	-0.767
18	340	231.741	231.017	-0.724
19	360	231.742	231.035	-0.707
20	380	231.743	231.034	-0.709
21	400	231.744	230.963	-0.781
22	420	231.745	230.813	-0.933
23	440	231.747	230.787	-0.960
24	460	231.748	230.907	-0.841

25	480	231.748	230.970	-0.778
26	500	231.749	230.895	-0.854
27	520	231.750	230.837	-0.914
28	540	231.751	230.866	-0.885
29	560	231.752	230.964	-0.788
30	580	231.752	231.017	-0.736
31	600	231.753	231.008	-0.745
32	620	231.753	230.921	-0.832
33	640	231.754	230.814	-0.939
34	660	231.754	230.887	-0.868
35	680	231.755	231.100	-0.655
36	700	231.756	231.166	-0.590
37	720	231.755	231.101	-0.654
38	740	231.752	231.052	-0.701
39	760	231.750	230.953	-0.796
40	780	231.747	230.878	-0.869
41	800	231.744	230.860	-0.884
42	820	231.742	230.897	-0.845
43	840	231.739	230.957	-0.782
44	860	231.737	230.978	-0.759
45	880	231.735	231.032	-0.703
46	900	231.733	231.152	-0.582
47	920	231.731	231.180	-0.552
48	940	231.729	231.041	-0.688
49	960	231.727	230.881	-0.847
50	980	231.725	230.894	-0.831
51	1000	231.723	231.058	-0.665
52	1020	231.720	231.082	-0.638
53	1040	231.718	230.973	-0.746
54	1060	231.716	230.936	-0.780
55	1080	231.713	230.883	-0.830
56	1100	231.710	230.869	-0.842
57	1120	231.707	230.990	-0.718
58	1140	231.705	231.044	-0.661
59	1160	231.702	231.031	-0.671
60	1180	231.698	230.969	-0.730
61	1200	231.695	230.840	-0.855
62	1220	231.692	230.815	-0.878
63	1240	231.690	230.851	-0.839
64	1260	231.688	230.847	-0.840
65	1280	231.685	230.847	-0.838
66	1300	231.682	230.876	-0.807
67	1320	231.679	230.844	-0.836
68	1340	231.676	230.816	-0.861
69	1360	231.674	230.786	-0.888
70	1380	231.672	230.747	-0.924
71	1400	231.670	230.795	-0.875
72	1420	231.668	230.836	-0.832
73	1440	231.666	230.863	-0.803
74	1460	231.664	230.959	-0.705
75	1480	231.662	231.052	-0.610
76	1500	231.660	231.069	-0.591

77	1520	231.658	231.027	-0.631
78	1540	231.656	230.951	-0.705
79	1560	231.654	230.858	-0.796
80	1580	231.652	230.739	-0.913
81	1600	231.651	230.667	-0.983
82	1620	231.649	230.668	-0.981
83	1640	231.647	230.691	-0.956
84	1660	231.645	230.701	-0.945
85	1680	231.644	230.659	-0.985
86	1700	231.644	230.615	-1.029
		Avg Deposited		NA
		Avg Eroded		-0.822

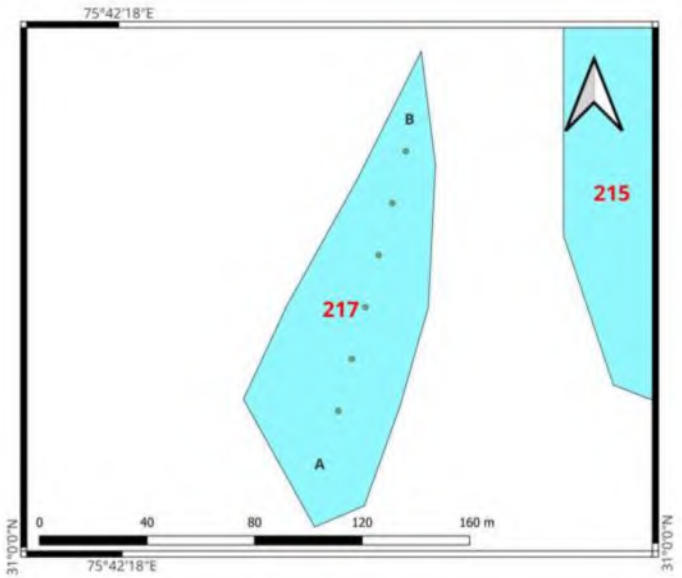
Site: 216

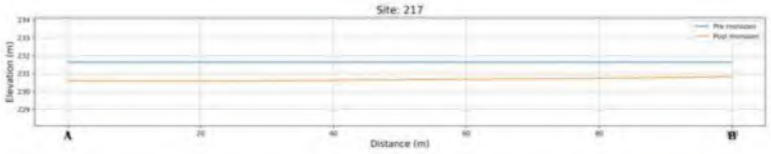




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.655	230.465	-1.190
2	20	231.655	230.463	-1.192
3	40	231.654	230.461	-1.194
4	60	231.653	230.843	-0.863
5	80	231.651	230.456	-1.196
6	100	231.650	230.455	-1.194
7	120	231.648	230.484	-1.165
8	140	231.647	230.625	-1.022
9	160	231.645	230.878	-0.767
10	180	231.644	231.008	-0.636
11	200	231.643	230.891	-0.752
12	220	231.642	230.729	-0.913
13	240	231.642	230.747	-0.895
14	260	231.642	230.808	-0.834
15	280	231.641	230.721	-0.920
		Avg Deposited		NA
		Avg Eroded		-1.004

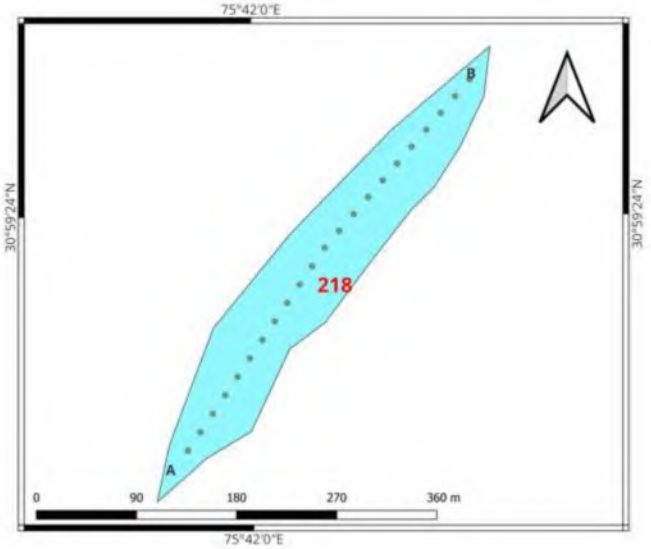
Site: 217

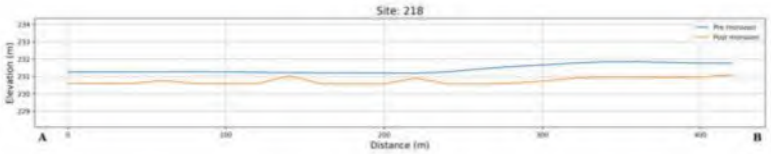




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.632	230.603	-1.030
2	20	231.632	230.575	-1.057
3	40	231.631	230.619	-1.012
4	60	231.630	230.693	-0.937
5	80	231.629	230.736	-0.894
6	100	231.628	230.825	-0.804
		Avg Deposited		NA
		Avg Eroded		-0.955

Site: 218

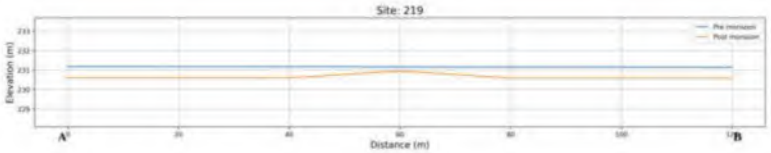




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.246	230.597	-0.649
2	20	231.251	230.595	-0.656
3	40	231.257	230.592	-0.664
4	60	231.264	230.766	-0.200
5	80	231.269	230.588	-0.681
6	100	231.259	230.585	-0.674
7	120	231.236	230.582	-0.653
8	140	231.217	231.034	-0.637
9	160	231.208	230.577	-0.631
10	180	231.207	230.575	-0.632
11	200	231.197	230.572	-0.126
12	220	231.187	230.900	-0.617
13	240	231.258	230.568	-0.690
14	260	231.424	230.568	-0.856
15	280	231.565	230.597	-0.968
16	300	231.659	230.723	-0.935
17	320	231.769	230.897	-0.872
18	340	231.845	230.956	-0.889
19	360	231.847	230.951	-0.897
20	380	231.803	230.929	-0.873
21	400	231.769	230.962	-0.806
22	420	231.758	231.085	-0.673
		Avg Deposited		NA
		Avg Eroded		-0.739

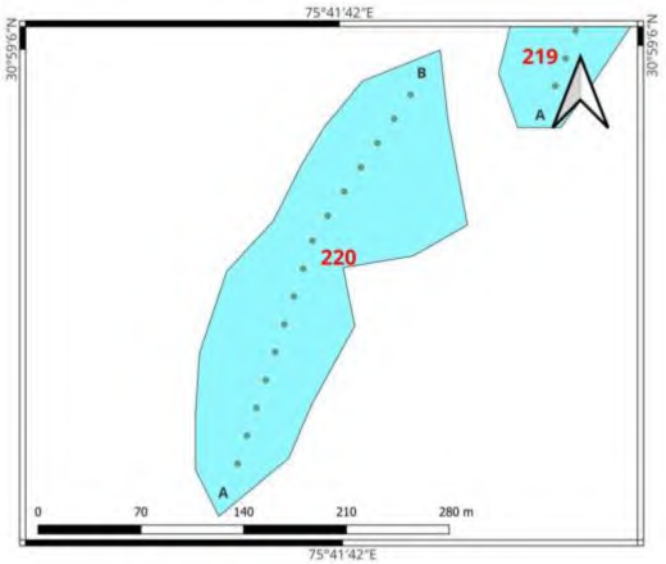
Site: 219

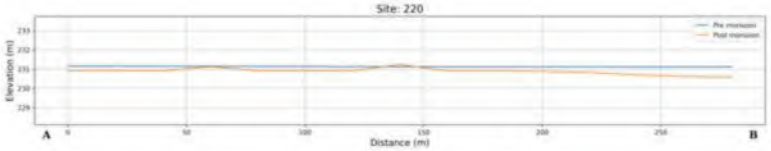




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.177	230.601	-0.577
2	20	231.175	230.597	-0.577
3	40	231.170	230.593	-0.577
4	60	231.165	230.955	-0.216
5	80	231.161	230.584	-0.577
6	100	231.155	230.580	-0.575
7	120	231.151	230.577	-0.574
		Avg Deposited		NA
		Avg Eroded		-0.576

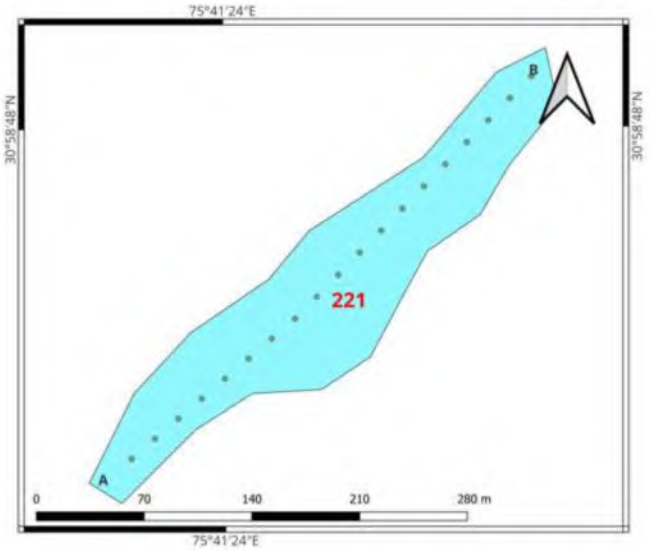
Site: 220

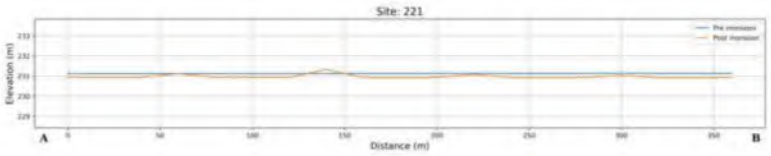




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.151	230.914	-0.237
2	20	231.150	230.913	-0.237
3	40	231.149	230.912	-0.236
4	60	231.146	231.130	0.047
5	80	231.142	230.911	-0.232
6	100	231.139	230.910	-0.229
7	120	231.134	230.909	-0.225
8	140	231.129	231.243	-0.114
9	160	231.125	230.907	-0.218
10	180	231.124	230.905	-0.219
11	200	231.124	230.888	-0.236
12	220	231.124	230.816	-0.308
13	240	231.122	230.695	-0.427
14	260	231.120	230.620	-0.501
15	280	231.118	230.601	-0.518
		Avg Deposited		NA
		Avg Eroded		-0.285

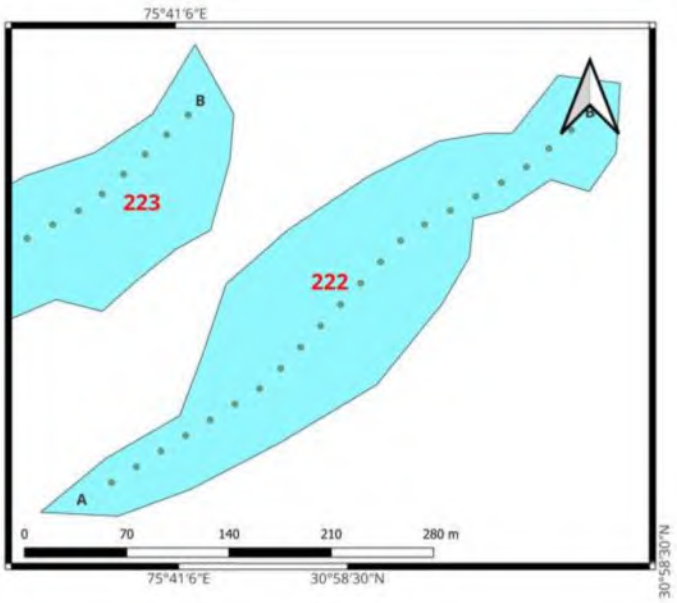
Site: 221

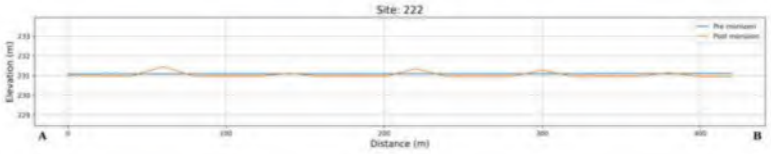




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.123	230.938	-0.185
2	20	231.124	230.938	-0.186
3	40	231.125	230.937	-0.188
4	60	231.126	231.126	-0.017
5	80	231.127	230.936	-0.192
6	100	231.129	230.935	-0.194
7	120	231.130	230.934	-0.196
8	140	231.132	231.336	-0.031
9	160	231.133	230.932	-0.201
10	180	231.134	230.932	-0.202
11	200	231.135	230.931	-0.204
12	220	231.136	231.082	0.291
13	240	231.137	230.929	-0.208
14	260	231.138	230.929	-0.209
15	280	231.139	230.928	-0.211
16	300	231.139	231.028	0.161
17	320	231.140	230.926	-0.214
18	340	231.141	230.926	-0.215
19	360	231.141	230.925	-0.216
		Avg Deposited		NA
		Avg Eroded		-0.201

Site: 222

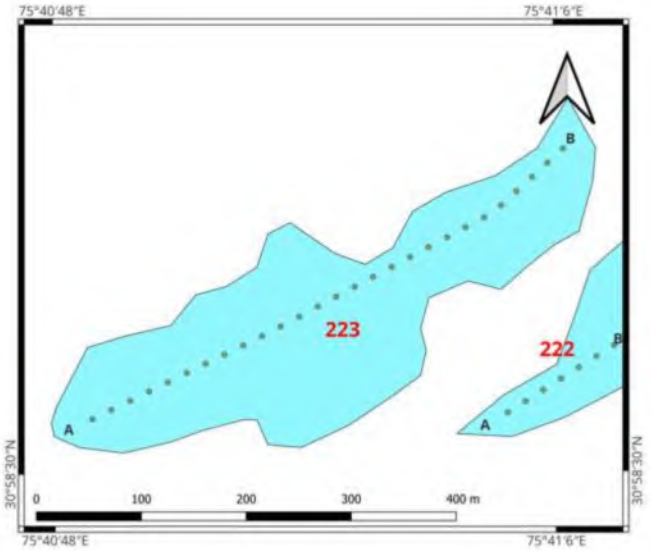


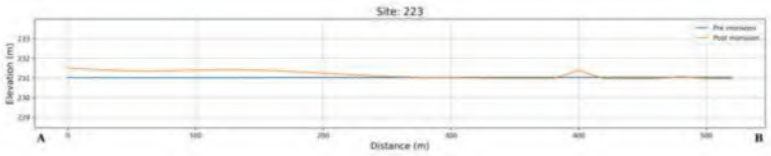


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.079	230.984	-0.095
2	20	231.080	230.980	-0.100
3	40	231.081	230.975	-0.106
4	60	231.082	231.447	0.127
5	80	231.084	230.967	-0.116
6	100	231.084	230.964	-0.120
7	120	231.085	230.961	-0.124
8	140	231.085	231.113	0.285
9	160	231.086	230.956	-0.130
10	180	231.086	230.953	-0.133
11	200	231.087	230.952	-0.135
12	220	231.086	231.343	0.140
13	240	231.086	230.949	-0.138
14	260	231.087	230.948	-0.139
15	280	231.087	230.946	-0.141
16	300	231.089	231.273	0.028
17	320	231.091	230.945	-0.146
18	340	231.093	230.945	-0.149
19	360	231.095	230.944	-0.151
20	380	231.096	231.144	-0.002
21	400	231.097	230.942	-0.155
22	420	231.098	230.942	-0.157
		Avg Deposited		NA

		Avg Eroded		-0.132

Site: 223

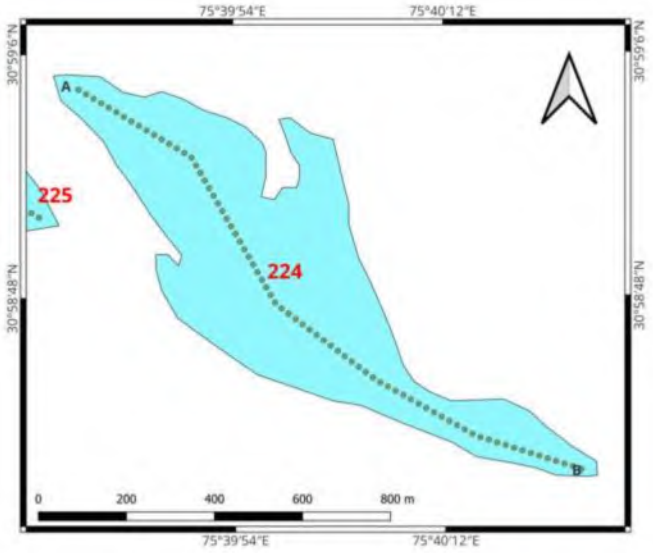


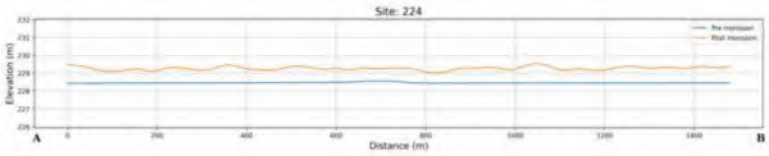


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	231.015	231.498	0.483
2	20	231.016	231.439	0.423
3	40	231.017	231.373	0.356
4	60	231.018	231.344	0.326
5	80	231.018	231.358	0.339
6	100	231.019	231.393	0.374
7	120	231.020	231.421	0.400
8	140	231.022	231.418	0.397
9	160	231.023	231.374	0.351
10	180	231.025	231.308	0.283
11	200	231.026	231.239	0.213
12	220	231.027	231.170	0.142
13	240	231.029	231.106	0.077
14	260	231.030	231.059	0.029
15	280	231.031	231.028	-0.002
16	300	231.032	231.011	-0.021
17	320	231.033	230.998	-0.035
18	340	231.034	230.988	-0.047
19	360	231.035	230.980	-0.055
20	380	231.036	230.975	-0.061
21	400	231.038	231.381	0.149
22	420	231.039	230.967	-0.072
23	440	231.040	230.964	-0.075
24	460	231.040	230.963	-0.077

25	480	231.040	231.074	0.369
26	500	231.040	230.959	-0.081
27	520	231.040	230.959	-0.082
		Avg Deposited		0.300
		Avg Eroded		-0.058

Site: 224



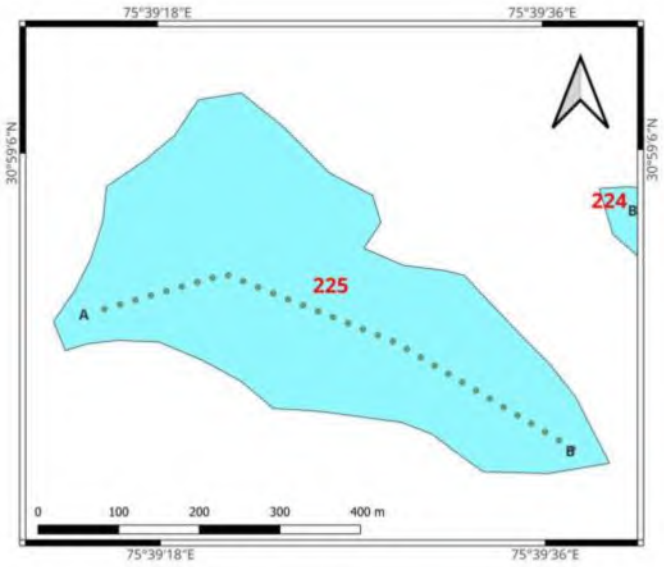


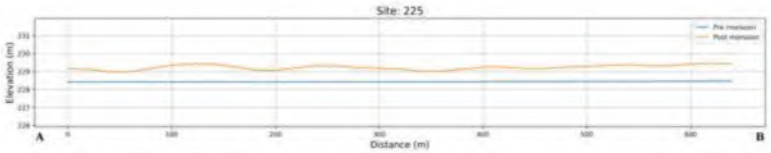
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.429	229.491	1.062
2	20	228.430	229.432	1.002
3	40	228.432	229.372	0.940
4	60	228.434	229.221	0.788
5	80	228.435	229.097	0.662
6	100	228.437	229.095	0.658
7	120	228.439	229.119	0.680
8	140	228.440	229.217	0.777
9	160	228.442	229.234	0.792
10	180	228.443	229.112	0.668
11	200	228.445	229.126	0.681
12	220	228.447	229.281	0.835
13	240	228.448	229.318	0.869
14	260	228.450	229.280	0.830
15	280	228.452	229.211	0.759
16	300	228.453	229.154	0.700
17	320	228.456	229.209	0.753
18	340	228.458	229.379	0.921
19	360	228.460	229.470	1.009
20	380	228.462	229.367	0.905
21	400	228.465	229.229	0.764
22	420	228.467	229.196	0.729
23	440	228.469	229.180	0.711
24	460	228.471	229.175	0.704

25	480	228.474	229.264	0.790
26	500	228.476	229.386	0.910
27	520	228.478	229.401	0.923
28	540	228.480	229.334	0.853
29	560	228.483	229.225	0.742
30	580	228.485	229.221	0.736
31	600	228.487	229.282	0.794
32	620	228.492	229.199	0.706
33	640	228.508	229.190	0.682
34	660	228.532	229.290	0.758
35	680	228.548	229.259	0.710
36	700	228.554	229.238	0.684
37	720	228.550	229.281	0.731
38	740	228.521	229.273	0.752
39	760	228.472	229.269	0.797
40	780	228.442	229.201	0.760
41	800	228.435	229.062	0.626
42	820	228.435	229.003	0.567
43	840	228.436	229.053	0.617
44	860	228.436	229.188	0.751
45	880	228.437	229.283	0.846
46	900	228.437	229.284	0.847
47	920	228.438	229.291	0.853
48	940	228.438	229.332	0.894
49	960	228.439	229.297	0.858
50	980	228.439	229.202	0.763
51	1000	228.439	229.213	0.774
52	1020	228.440	229.406	0.966
53	1040	228.440	229.537	1.097
54	1060	228.440	229.508	1.068
55	1080	228.441	229.365	0.924
56	1100	228.441	229.185	0.744
57	1120	228.441	229.177	0.736
58	1140	228.442	229.249	0.807
59	1160	228.442	229.208	0.766
60	1180	228.442	229.147	0.704
61	1200	228.443	229.168	0.726
62	1220	228.443	229.288	0.845
63	1240	228.443	229.365	0.922
64	1260	228.443	229.400	0.957
65	1280	228.443	229.346	0.902
66	1300	228.444	229.256	0.813
67	1320	228.444	229.300	0.857
68	1340	228.444	229.337	0.893
69	1360	228.444	229.298	0.854
70	1380	228.444	229.245	0.801
71	1400	228.444	229.327	0.883
72	1420	228.444	229.392	0.948
73	1440	228.444	229.324	0.880
74	1460	228.444	229.292	0.848
75	1480	228.444	229.383	0.939
		Avg Deposited		0.811

		Avg Eroded		NA

Site: 225

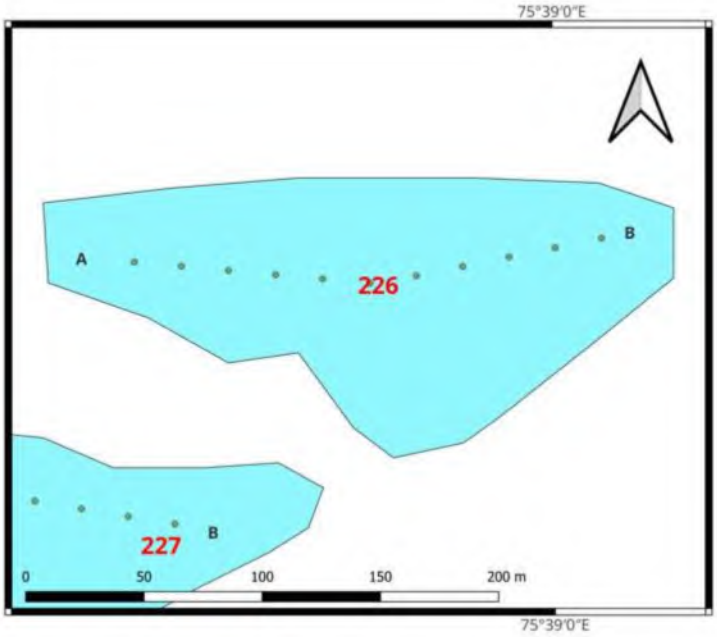


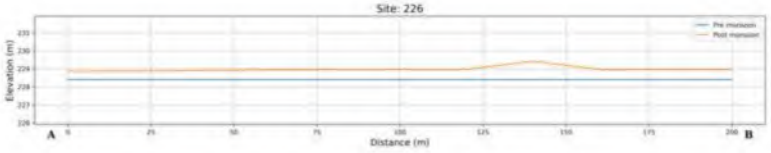


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.411	229.162	0.751
2	20	228.411	229.099	0.688
3	40	228.412	228.980	0.568
4	60	228.412	228.980	0.567
5	80	228.413	229.158	0.745
6	100	228.413	229.351	0.937
7	120	228.413	229.419	1.005
8	140	228.413	229.404	0.991
9	160	228.412	229.271	0.858
10	180	228.413	229.074	0.661
11	200	228.414	229.053	0.639
12	220	228.416	229.197	0.780
13	240	228.418	229.324	0.905
14	260	228.420	229.303	0.883
15	280	228.422	229.203	0.781
16	300	228.424	229.181	0.756
17	320	228.426	229.128	0.701
18	340	228.428	229.012	0.583
19	360	228.430	229.005	0.575
20	380	228.432	229.125	0.693
21	400	228.434	229.235	0.800
22	420	228.437	229.241	0.804
23	440	228.439	229.163	0.724

24	460	228.441	229.169	0.728
25	480	228.443	229.232	0.789
26	500	228.445	229.283	0.837
27	520	228.447	229.339	0.892
28	540	228.450	229.373	0.923
29	560	228.452	229.317	0.866
30	580	228.454	229.319	0.865
31	600	228.456	229.405	0.949
32	620	228.458	229.459	1.001
33	640	228.459	229.430	0.971
		Avg Deposited		0.795
		Avg Eroded		NA

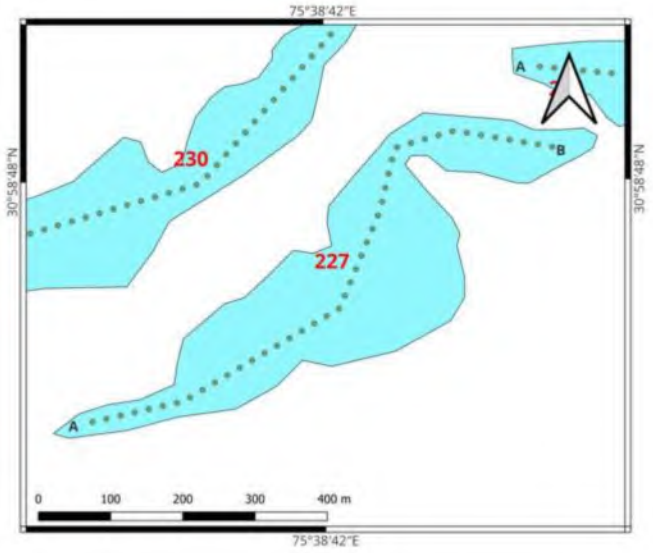
Site: 226

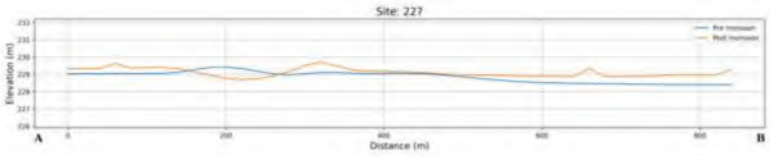




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.405	228.869	0.464
2	20	228.404	228.875	0.472
3	40	228.401	228.901	0.499
4	60	228.400	228.940	0.540
5	80	228.399	228.962	0.563
6	100	228.399	228.965	0.566
7	120	228.400	228.963	0.563
8	140	228.401	229.424	0.897
9	160	228.402	228.960	0.558
10	180	228.403	228.959	0.556
11	200	228.404	228.958	0.554
		Avg Deposited		0.536
		Avg Eroded		NA

Site: 227



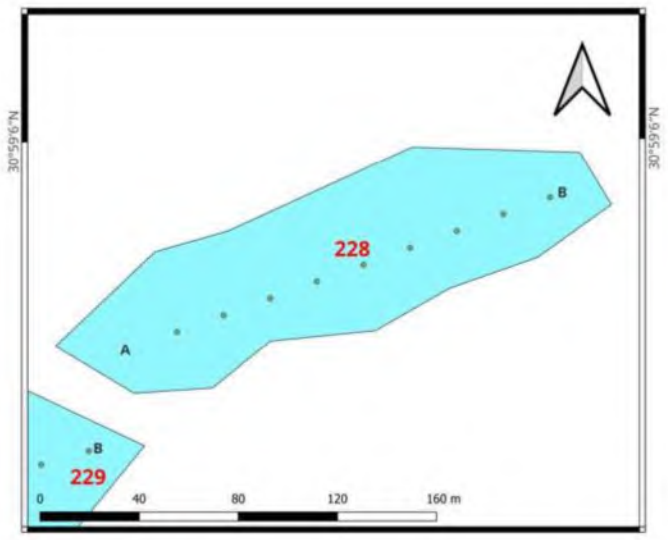


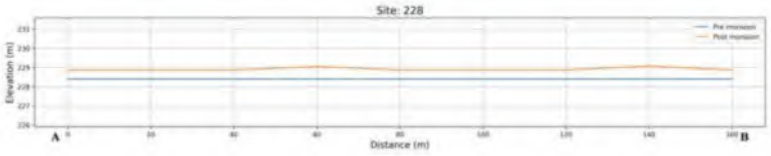
2451

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	229.041	229.320	0.279
2	20	229.041	229.327	0.286
3	40	229.042	229.332	0.290
4	60	229.043	229.632	0.592
5	80	229.045	229.367	0.323
6	100	229.046	229.404	0.358
7	120	229.059	229.409	0.350
8	140	229.123	229.327	0.203
9	160	229.264	229.154	-0.110
10	180	229.397	228.952	-0.446
11	200	229.417	228.774	-0.644
12	220	229.332	228.692	-0.639
13	240	229.184	228.750	-0.434
14	260	229.028	228.901	-0.127
15	280	228.970	229.145	0.175
16	300	229.029	229.515	0.486
17	320	229.108	229.700	0.592
18	340	229.108	229.487	0.378
19	360	229.069	229.259	0.190
20	380	229.052	229.185	0.133
21	400	229.050	229.169	0.119
22	420	229.057	229.158	0.101
23	440	229.051	229.121	0.070
24	460	229.009	229.061	0.053

25	480	228.938	229.004	0.066
26	500	228.854	228.968	0.114
27	520	228.769	228.952	0.184
28	540	228.687	228.941	0.253
29	560	228.611	228.925	0.314
30	580	228.555	228.909	0.354
31	600	228.521	228.896	0.375
32	620	228.497	228.887	0.390
33	640	228.474	228.882	0.408
34	660	228.461	229.338	0.419
35	680	228.457	228.878	0.420
36	700	228.448	228.878	0.429
37	720	228.433	228.883	0.450
38	740	228.420	228.908	0.488
39	760	228.410	228.947	0.537
40	780	228.404	228.968	0.564
41	800	228.400	228.968	0.568
42	820	228.400	228.964	0.564
43	840	228.400	229.277	0.852
		Avg Deposited		0.328
		Avg Eroded		-0.400

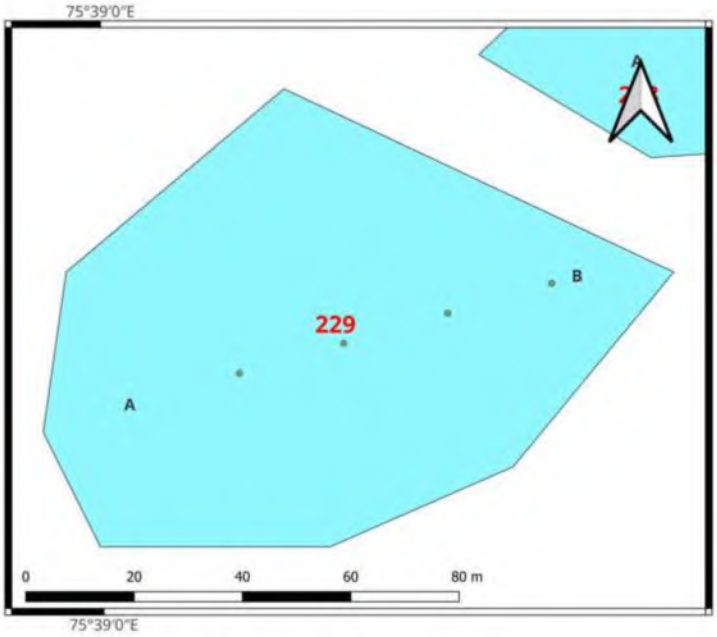
Site: 228

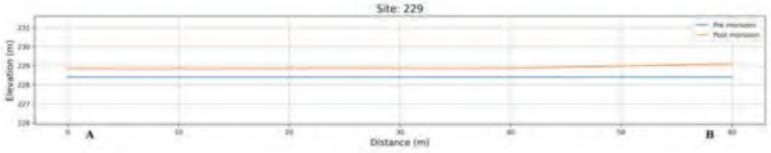




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.401	228.855	0.454
2	20	228.401	228.855	0.455
3	40	228.400	228.856	0.456
4	60	228.400	229.051	0.889
5	80	228.400	228.857	0.457
6	100	228.400	228.858	0.458
7	120	228.400	228.859	0.459
8	140	228.400	229.078	0.611
9	160	228.400	228.860	0.461
		Avg Deposited		0.457
		Avg Eroded		NA

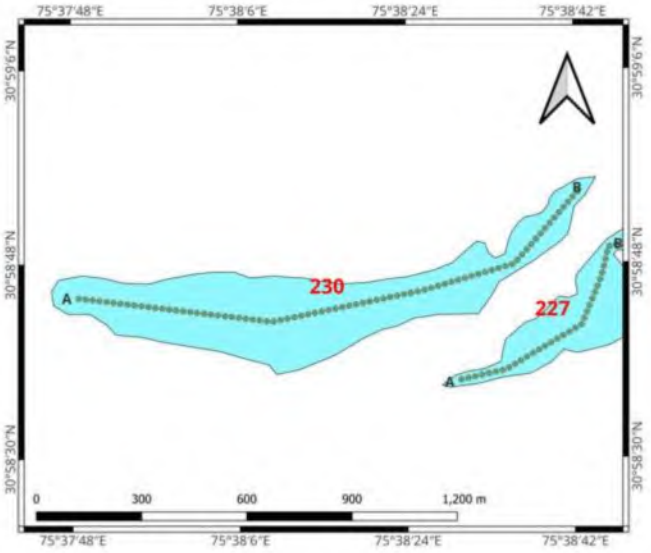
Site: 229

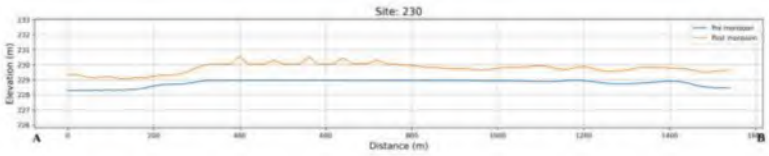




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.403	228.853	0.450
2	20	228.502	228.853	0.351
3	40	228.402	228.854	0.453
4	60	228.501	229.107	0.836
		Avg Deposited		0.452
		Avg Eroded		NA

Site: 230



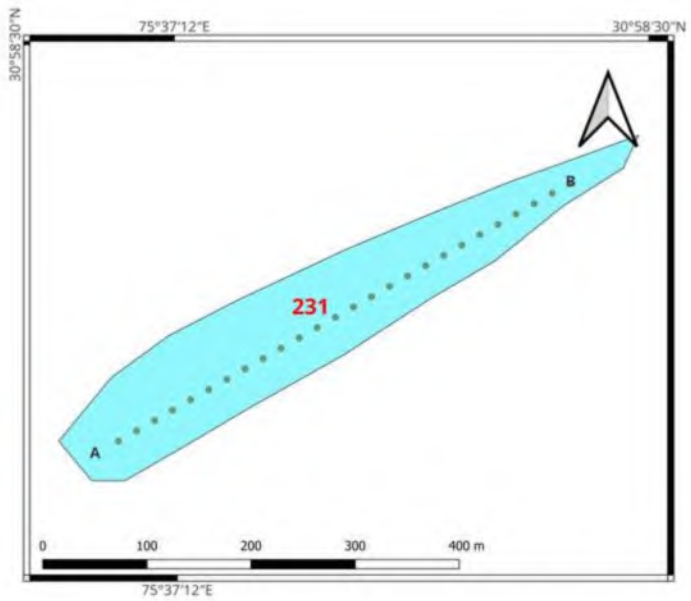


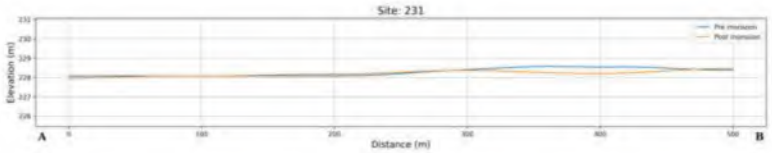
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.293	229.367	1.075
2	20	228.294	229.344	1.050
3	40	228.296	229.229	0.933
4	60	228.300	229.127	0.827
5	80	228.307	229.197	0.890
6	100	228.318	229.193	0.875
7	120	228.328	229.074	0.747
8	140	228.336	229.084	0.748
9	160	228.362	229.140	0.778
10	180	228.451	229.132	0.682
11	200	228.590	229.228	0.638
12	220	228.673	229.306	0.632
13	240	228.692	229.316	0.623
14	260	228.702	229.376	0.674
15	280	228.761	229.531	0.770
16	300	228.868	229.810	0.942
17	320	228.936	229.999	1.064
18	340	228.951	230.044	1.093
19	360	228.952	230.048	1.095
20	380	228.952	230.047	1.095
21	400	228.953	230.547	1.344
22	420	228.953	230.047	1.094
23	440	228.953	230.047	1.094
24	460	228.954	230.047	1.093

25	480	228.954	230.308	1.364
26	500	228.955	230.047	1.092
27	520	228.955	230.047	1.092
28	540	228.955	230.047	1.092
29	560	228.955	230.535	1.224
30	580	228.955	230.048	1.093
31	600	228.954	230.051	1.097
32	620	228.953	230.055	1.102
33	640	228.952	230.456	1.390
34	660	228.951	230.065	1.113
35	680	228.950	230.069	1.119
36	700	228.949	230.073	1.124
37	720	228.948	230.325	1.627
38	740	228.947	230.072	1.125
39	760	228.946	230.045	1.098
40	780	228.945	229.997	1.052
41	800	228.944	229.944	1.001
42	820	228.943	229.894	0.951
43	840	228.942	229.843	0.901
44	860	228.940	229.790	0.850
45	880	228.939	229.749	0.810
46	900	228.937	229.734	0.797
47	920	228.936	229.735	0.799
48	940	228.935	229.705	0.770
49	960	228.933	229.667	0.734
50	980	228.931	229.693	0.762
51	1000	228.929	229.763	0.834
52	1020	228.927	229.820	0.893
53	1040	228.923	229.839	0.916
54	1060	228.912	229.853	0.941
55	1080	228.895	229.907	1.012
56	1100	228.883	229.947	1.064
57	1120	228.881	229.874	0.993
58	1140	228.896	229.719	0.823
59	1160	228.936	229.678	0.742
60	1180	228.962	229.804	0.842
61	1200	228.935	229.896	0.961
62	1220	228.875	229.782	0.907
63	1240	228.806	229.593	0.787
64	1260	228.749	229.556	0.807
65	1280	228.728	229.595	0.867
66	1300	228.735	229.630	0.895
67	1320	228.754	229.760	1.006
68	1340	228.785	229.859	1.074
69	1360	228.828	229.850	1.022
70	1380	228.877	229.807	0.931
71	1400	228.903	229.777	0.874
72	1420	228.891	229.758	0.866
73	1440	228.803	229.722	0.919
74	1460	228.643	229.616	0.973
75	1480	228.525	229.507	0.982
76	1500	228.479	229.543	1.064

77	1520	228.462	229.612	1.150
78	1540	228.453	229.630	1.177
		Avg Deposited		0.948
		Avg Eroded		NA

Site: 231

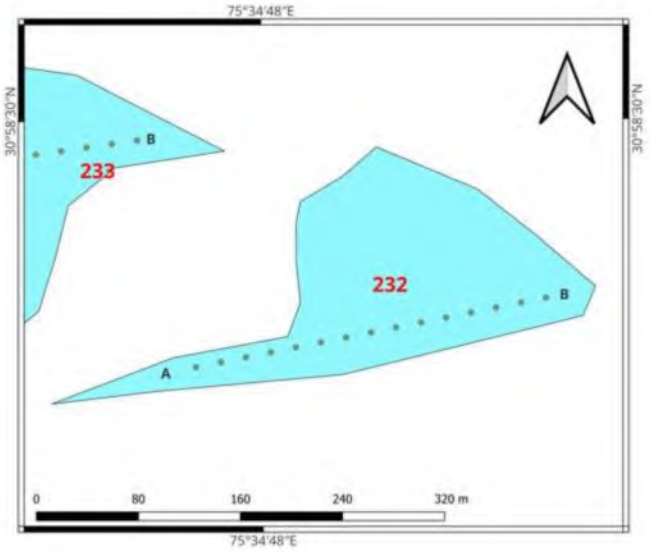


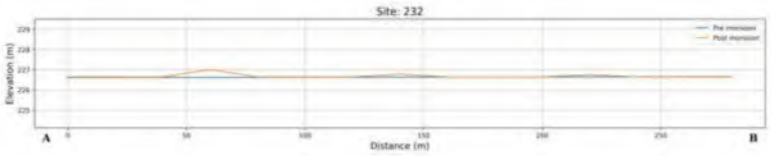


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	228.081	227.951	-0.130
2	20	228.081	227.980	-0.101
3	40	228.082	228.029	-0.053
4	60	228.082	228.069	-0.013
5	80	228.082	228.082	0
6	100	228.083	228.082	-0.001
7	120	228.084	228.089	0.005
8	140	228.085	228.114	0.029
9	160	228.085	228.144	0.059
10	180	228.086	228.162	0.076
11	200	228.086	228.170	0.084
12	220	228.101	228.191	0.090
13	240	228.156	228.234	0.078
14	260	228.251	228.295	0.044
15	280	228.339	228.350	0.011
16	300	228.402	228.371	-0.031
17	320	228.470	228.350	-0.119
18	340	228.543	228.297	-0.246
19	360	228.575	228.246	-0.329
20	380	228.554	228.218	-0.336
21	400	228.540	228.203	-0.337
22	420	228.552	228.228	-0.324

23	440	228.519	228.299	-0.220
24	460	228.445	228.382	-0.063
25	480	228.393	228.442	0.049
26	500	228.379	228.467	0.089
		Avg Deposited		0.051
		Avg Eroded		-0.164

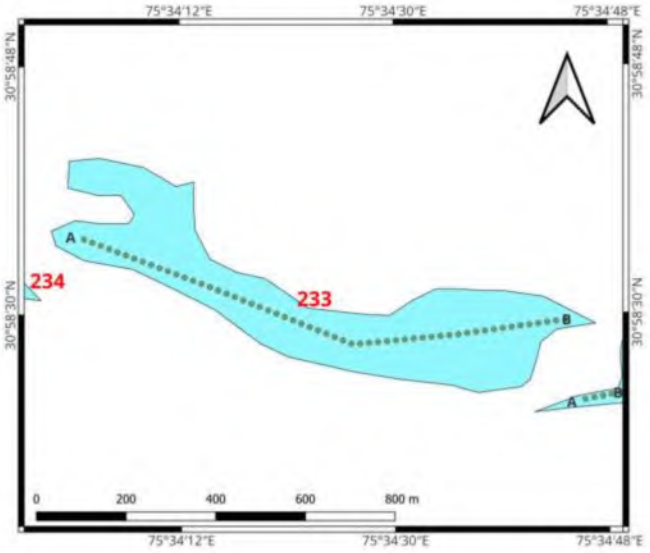
Site: 232

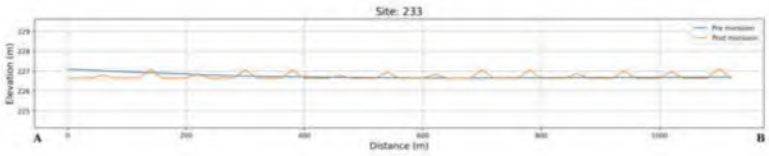




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	226.618	226.643	0.025
2	20	226.620	226.643	0.023
3	40	226.624	226.643	0.019
4	60	226.627	227.016	0.196
5	80	226.630	226.643	0.014
6	100	226.632	226.643	0.011
7	120	226.635	226.644	0.008
8	140	226.639	226.783	0.498
9	160	226.642	226.644	0.002
10	180	226.644	226.644	-0
11	200	226.646	226.644	-0.002
12	220	226.649	226.759	0.324
13	240	226.652	226.644	-0.008
14	260	226.655	226.644	-0.011
15	280	226.656	226.644	-0.012
		Avg Deposited		0.014
		Avg Eroded		-0.006

Site: 233

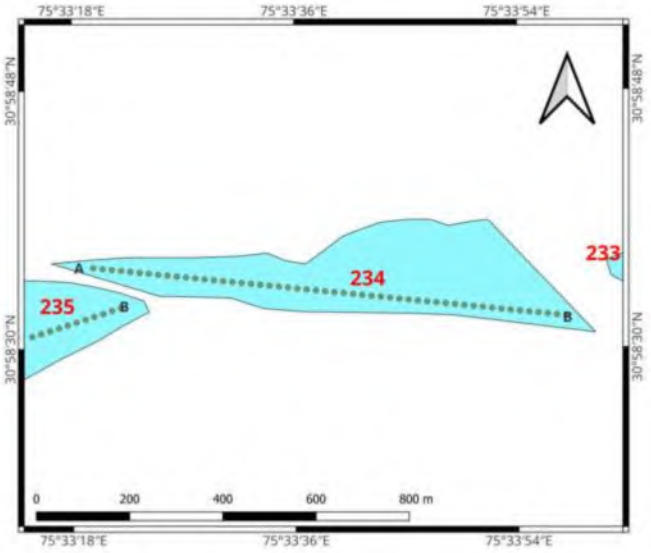


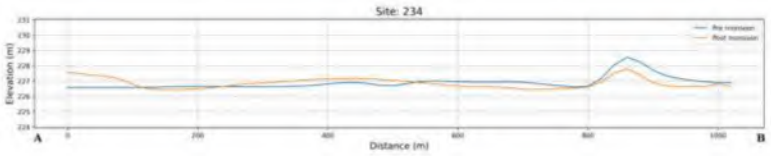


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	227.099	226.644	-0.455
2	20	227.078	226.644	-0.434
3	40	227.051	226.645	-0.407
4	60	227.022	226.816	-0.377
5	80	226.991	226.645	-0.346
6	100	226.963	226.645	-0.318
7	120	226.942	226.645	-0.296
8	140	226.920	227.089	-0.274
9	160	226.899	226.645	-0.254
10	180	226.880	226.645	-0.235
11	200	226.853	226.645	-0.208
12	220	226.820	226.860	-0.175
13	240	226.797	226.645	-0.152
14	260	226.782	226.645	-0.137
15	280	226.767	226.645	-0.122
16	300	226.756	227.073	-0.111
17	320	226.748	226.645	-0.103
18	340	226.738	226.645	-0.093
19	360	226.727	226.645	-0.083
20	380	226.719	227.051	-0.074
21	400	226.712	226.644	-0.068
22	420	226.705	226.644	0.207
23	440	226.697	226.644	-0.052
24	460	226.690	226.785	-0.046

25	480	226.685	226.644	-0.041
26	500	226.679	226.644	0.217
27	520	226.672	226.644	-0.028
28	540	226.667	226.944	-0.023
29	560	226.663	226.644	-0.019
30	580	226.659	226.644	0.376
31	600	226.654	226.644	-0.011
32	620	226.652	226.837	-0.008
33	640	226.649	226.644	-0.006
34	660	226.649	226.644	0.104
35	680	226.650	226.644	-0.007
36	700	226.652	227.065	-0.009
37	720	226.656	226.644	-0.012
38	740	226.660	226.644	0.232
39	760	226.663	226.644	-0.019
40	780	226.665	227.058	-0.021
41	800	226.666	226.644	-0.022
42	820	226.669	226.644	0.298
43	840	226.673	226.644	-0.029
44	860	226.675	226.870	-0.031
45	880	226.677	226.644	-0.032
46	900	226.678	226.644	0.328
47	920	226.680	226.644	-0.036
48	940	226.683	226.985	-0.039
49	960	226.686	226.645	-0.041
50	980	226.688	226.645	0.278
51	1000	226.691	226.645	-0.046
52	1020	226.693	226.982	-0.048
53	1040	226.694	226.645	-0.049
54	1060	226.696	226.645	0.379
55	1080	226.698	226.645	-0.053
56	1100	226.700	227.123	-0.055
57	1120	226.700	226.645	-0.055
		Avg Deposited		NA
		Avg Eroded		-0.103

Site: 234

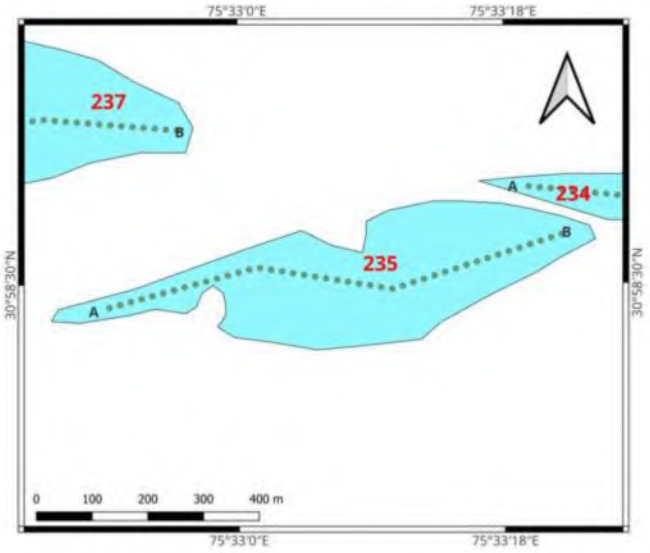


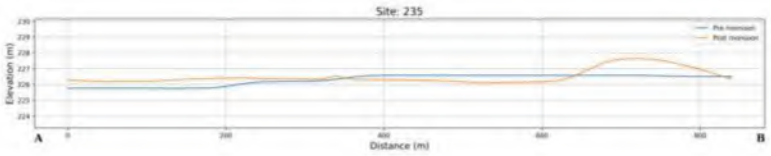


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	226.571	227.559	0.988
2	20	226.572	227.471	0.899
3	40	226.573	227.364	0.791
4	60	226.573	227.313	0.739
5	80	226.574	227.133	0.558
6	100	226.576	226.772	0.195
7	120	226.582	226.527	-0.054
8	140	226.599	226.450	-0.150
9	160	226.627	226.430	-0.197
10	180	226.644	226.439	-0.205
11	200	226.648	226.479	-0.169
12	220	226.648	226.552	-0.096
13	240	226.640	226.650	0.009
14	260	226.628	226.751	0.123
15	280	226.624	226.820	0.197
16	300	226.629	226.869	0.240
17	320	226.638	226.923	0.285
18	340	226.649	226.981	0.331
19	360	226.671	227.040	0.369
20	380	226.722	227.098	0.375
21	400	226.806	227.134	0.329
22	420	226.885	227.153	0.268
23	440	226.908	227.165	0.257
24	460	226.840	227.151	0.312

25	480	226.723	227.101	0.378
26	500	226.692	227.035	0.344
27	520	226.804	226.970	0.167
28	540	226.950	226.901	-0.049
29	560	227.008	226.825	-0.183
30	580	226.981	226.742	-0.239
31	600	226.945	226.672	-0.273
32	620	226.933	226.637	-0.296
33	640	226.933	226.632	-0.301
34	660	226.935	226.609	-0.326
35	680	226.941	226.541	-0.401
36	700	226.917	226.468	-0.449
37	720	226.837	226.438	-0.399
38	740	226.752	226.462	-0.291
39	760	226.679	226.511	-0.167
40	780	226.609	226.546	-0.063
41	800	226.659	226.613	-0.046
42	820	227.139	226.916	-0.224
43	840	228.041	227.507	-0.534
44	860	228.549	227.801	-0.748
45	880	228.253	227.405	-0.848
46	900	227.705	226.892	-0.813
47	920	227.343	226.682	-0.661
48	940	227.154	226.645	-0.509
49	960	227.035	226.643	-0.392
50	980	226.942	226.643	-0.299
51	1000	226.889	226.810	-0.246
52	1020	226.870	226.643	-0.227
		Avg Deposited		0.388
		Avg Eroded		-0.318

Site: 235

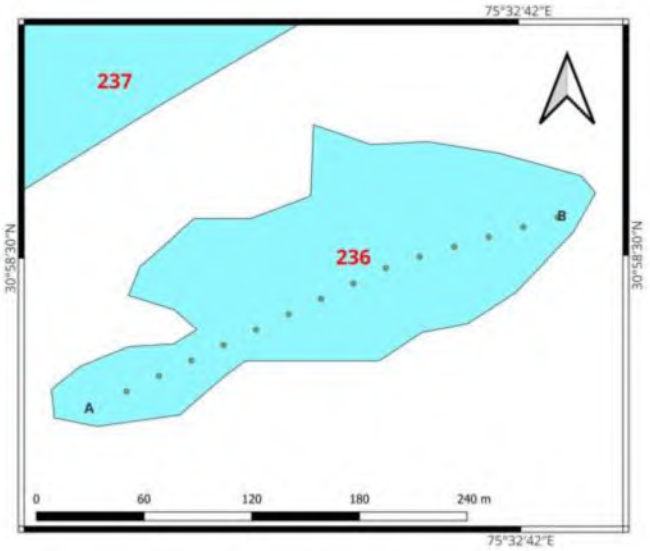


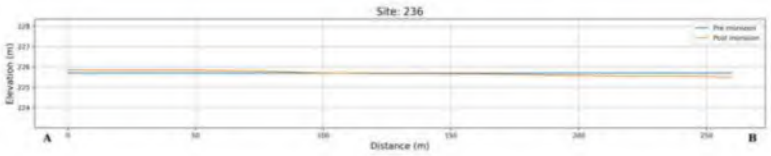


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.755	226.272	0.516
2	20	225.755	226.233	0.478
3	40	225.754	226.198	0.443
4	60	225.754	226.199	0.445
5	80	225.753	226.209	0.455
6	100	225.753	226.198	0.445
7	120	225.752	226.236	0.484
8	140	225.752	226.307	0.555
9	160	225.753	226.350	0.597
10	180	225.774	226.369	0.595
11	200	225.871	226.389	0.518
12	220	226.035	226.402	0.367
13	240	226.144	226.383	0.239
14	260	226.179	226.359	0.180
15	280	226.191	226.347	0.156
16	300	226.202	226.343	0.140
17	320	226.230	226.339	0.109
18	340	226.323	226.532	0.010
19	360	226.467	226.324	-0.143
20	380	226.552	226.315	-0.238
21	400	226.570	226.306	-0.264
22	420	226.571	226.292	-0.279
23	440	226.570	226.274	-0.296
24	460	226.569	226.252	-0.317

25	480	226.568	226.214	-0.354
26	500	226.567	226.163	-0.404
27	520	226.567	226.122	-0.445
28	540	226.567	226.110	-0.456
29	560	226.567	226.128	-0.439
30	580	226.567	226.150	-0.418
31	600	226.568	226.159	-0.409
32	620	226.569	226.229	-0.340
33	640	226.569	226.499	-0.071
34	660	226.570	226.977	0.408
35	680	226.571	227.410	0.839
36	700	226.571	227.607	1.036
37	720	226.569	227.635	1.066
38	740	226.555	227.588	1.034
39	760	226.529	227.448	0.919
40	780	226.513	227.210	0.697
41	800	226.507	226.974	0.467
42	820	226.505	226.649	0.144
43	840	226.504	226.342	-0.161
		Avg Deposited		0.494
		Avg Eroded		-0.315

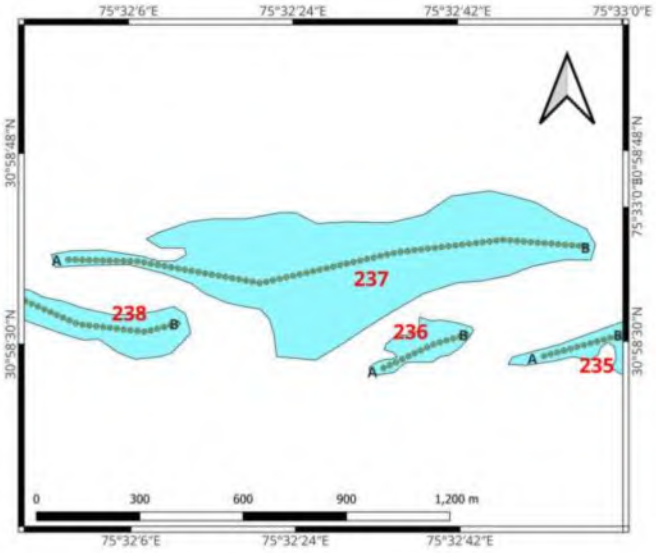
Site: 236

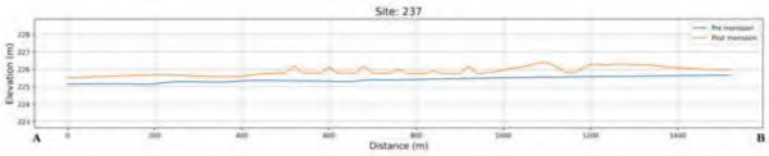




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.697	225.845	0.149
2	20	225.698	225.841	0.144
3	40	225.697	225.835	0.138
4	60	225.695	225.819	0.124
5	80	225.693	225.772	0.079
6	100	225.690	225.701	0.011
7	120	225.688	225.662	-0.026
8	140	225.688	225.655	-0.032
9	160	225.689	225.647	-0.042
10	180	225.690	225.621	-0.069
11	200	225.691	225.573	-0.117
12	220	225.692	225.536	-0.156
13	240	225.694	225.534	-0.160
14	260	225.696	225.502	-0.193
		Avg Deposited		0.107
		Avg Eroded		-0.099

Site: 237



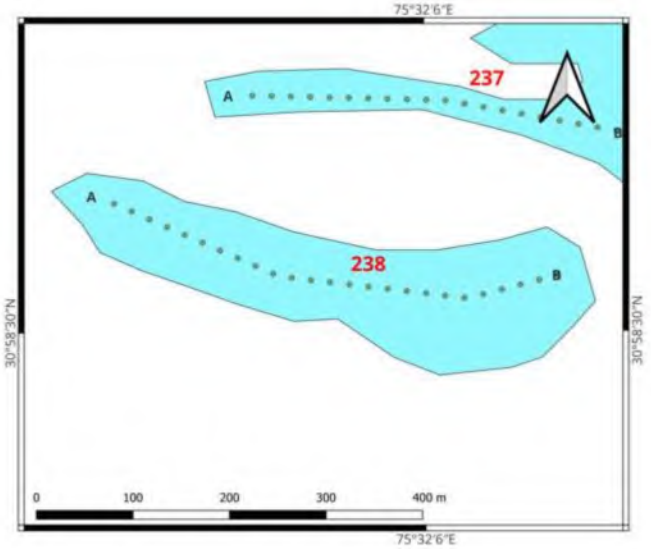


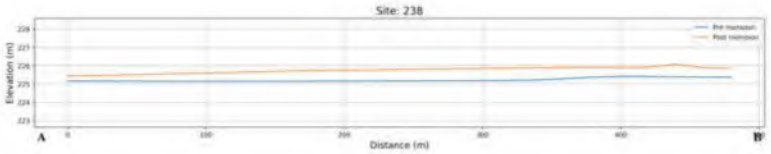
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.157	225.513	0.356
2	20	225.157	225.526	0.369
3	40	225.158	225.544	0.386
4	60	225.159	225.563	0.404
5	80	225.160	225.581	0.420
6	100	225.162	225.598	0.436
7	120	225.164	225.615	0.452
8	140	225.160	225.633	0.473
9	160	225.141	225.652	0.511
10	180	225.127	225.669	0.542
11	200	225.162	225.682	0.519
12	220	225.224	225.687	0.462
13	240	225.270	225.681	0.411
14	260	225.286	225.662	0.376
15	280	225.284	225.627	0.343
16	300	225.278	225.605	0.327
17	320	225.272	225.594	0.322
18	340	225.265	225.573	0.308
19	360	225.265	225.568	0.303
20	380	225.287	225.582	0.295
21	400	225.328	225.605	0.278
22	420	225.351	225.655	0.304
23	440	225.353	225.724	0.371
24	460	225.349	225.764	0.415

25	480	225.345	225.772	0.428
26	500	225.341	225.773	0.432
27	520	225.337	226.204	0.436
28	540	225.334	225.773	0.875
29	560	225.331	225.773	0.443
30	580	225.326	225.773	0.447
31	600	225.312	226.125	0.460
32	620	225.292	225.772	0.480
33	640	225.284	225.771	0.486
34	660	225.312	225.770	0.458
35	680	225.368	226.172	0.401
36	700	225.401	225.768	0.368
37	720	225.390	225.767	0.377
38	740	225.380	225.766	0.386
39	760	225.387	226	0.729
40	780	225.398	225.762	0.364
41	800	225.410	225.760	0.350
42	820	225.421	225.757	0.336
43	840	225.432	225.927	0.322
44	860	225.443	225.750	0.307
45	880	225.453	225.746	0.293
46	900	225.463	225.742	0.279
47	920	225.473	226.196	0.269
48	940	225.482	225.750	0.268
49	960	225.491	225.781	0.290
50	980	225.501	225.859	0.358
51	1000	225.509	225.972	0.463
52	1020	225.517	226.054	0.537
53	1040	225.526	226.112	0.587
54	1060	225.534	226.222	0.688
55	1080	225.540	226.359	0.819
56	1100	225.546	226.390	0.844
57	1120	225.552	226.180	0.628
58	1140	225.559	225.851	0.293
59	1160	225.565	225.776	0.211
60	1180	225.570	226.034	0.464
61	1200	225.576	226.286	0.710
62	1220	225.582	226.286	0.704
63	1240	225.587	226.254	0.667
64	1260	225.591	226.301	0.710
65	1280	225.596	226.301	0.704
66	1300	225.602	226.276	0.673
67	1320	225.609	226.268	0.659
68	1340	225.615	226.235	0.620
69	1360	225.620	226.176	0.556
70	1380	225.624	226.122	0.498
71	1400	225.629	226.081	0.452
72	1420	225.633	226.049	0.416
73	1440	225.638	226.024	0.386
74	1460	225.643	226.004	0.361
75	1480	225.647	225.988	0.341
76	1500	225.651	225.976	0.325

77	1520	225.653	225.969	0.316
		Avg Deposited		0.440
		Avg Eroded		NA

Site: 238

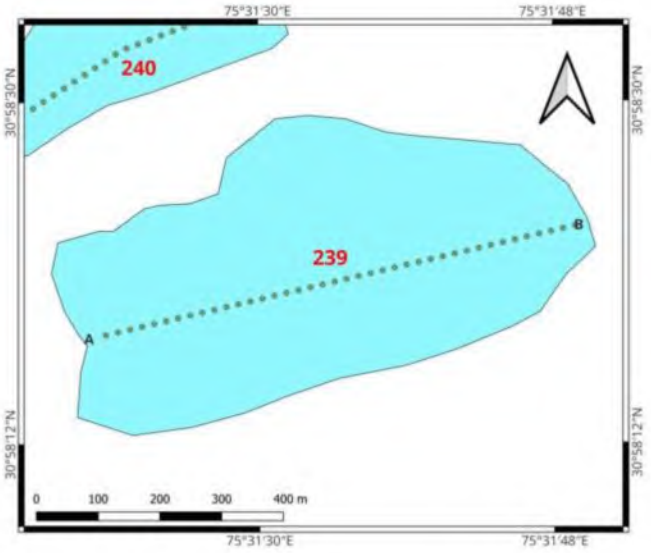


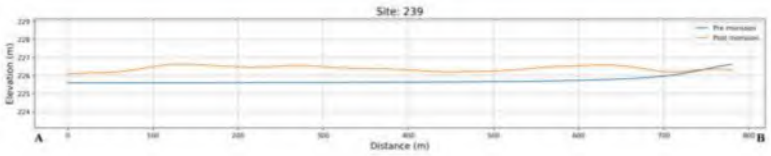


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.153	225.435	0.282
2	20	225.149	225.461	0.311
3	40	225.145	225.497	0.352
4	60	225.141	225.533	0.392
5	80	225.139	225.564	0.425
6	100	225.138	225.596	0.458
7	120	225.137	225.631	0.493
8	140	225.138	225.668	0.530
9	160	225.140	225.704	0.564
10	180	225.143	225.735	0.591
11	200	225.148	225.757	0.609
12	220	225.153	225.773	0.620
13	240	225.159	225.791	0.633
14	260	225.165	225.812	0.647
15	280	225.172	225.831	0.659
16	300	225.179	225.846	0.666
17	320	225.190	225.861	0.671
18	340	225.219	225.878	0.659
19	360	225.289	225.892	0.603
20	380	225.375	225.902	0.527
21	400	225.414	225.909	0.495
22	420	225.409	225.912	0.503
23	440	225.393	226.082	0.516
24	460	225.378	225.884	0.506

25	480	225.368	225.845	0.478
		Avg Deposited		0.528
		Avg Eroded		NA

Site: 239

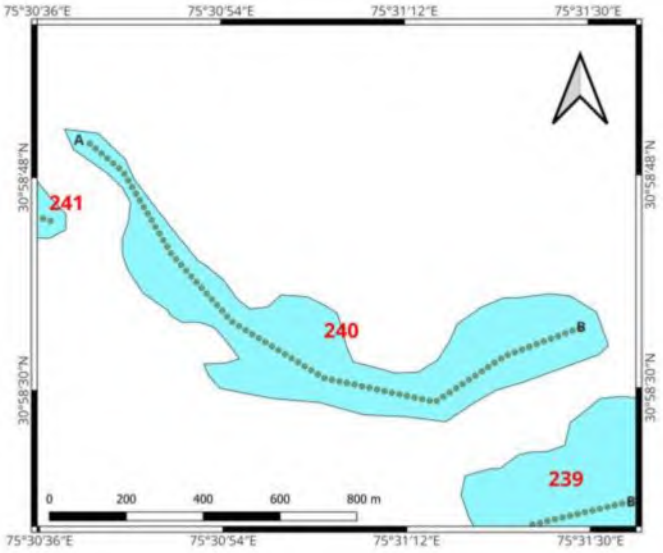


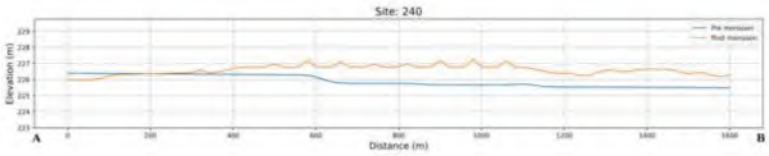


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.597	226.092	0.495
2	20	225.598	226.131	0.533
3	40	225.598	226.158	0.559
4	60	225.599	226.208	0.609
5	80	225.600	226.335	0.735
6	100	225.601	226.498	0.897
7	120	225.602	226.623	1.021
8	140	225.603	226.637	1.034
9	160	225.604	226.586	0.982
10	180	225.606	226.533	0.928
11	200	225.607	226.484	0.877
12	220	225.608	226.464	0.856
13	240	225.610	226.499	0.889
14	260	225.612	226.556	0.944
15	280	225.614	226.559	0.945
16	300	225.617	226.497	0.881
17	320	225.619	226.427	0.807
18	340	225.622	226.395	0.773
19	360	225.626	226.389	0.763
20	380	225.630	226.368	0.738
21	400	225.634	226.316	0.682
22	420	225.638	226.249	0.611
23	440	225.641	226.209	0.567
24	460	225.645	226.213	0.567

25	480	225.652	226.225	0.573
26	500	225.659	226.250	0.591
27	520	225.667	226.298	0.631
28	540	225.679	226.375	0.696
29	560	225.691	226.469	0.778
30	580	225.708	226.521	0.813
31	600	225.729	226.539	0.810
32	620	225.757	226.579	0.823
33	640	225.788	226.583	0.794
34	660	225.829	226.503	0.674
35	680	225.886	226.353	0.467
36	700	225.968	226.204	0.236
37	720	226.088	226.207	0.119
38	740	226.263	226.326	0.062
39	760	226.475	226.363	-0.112
40	780	226.630	226.334	-0.297
		Avg Deposited		0.704
		Avg Eroded		-0.204

Site: 240



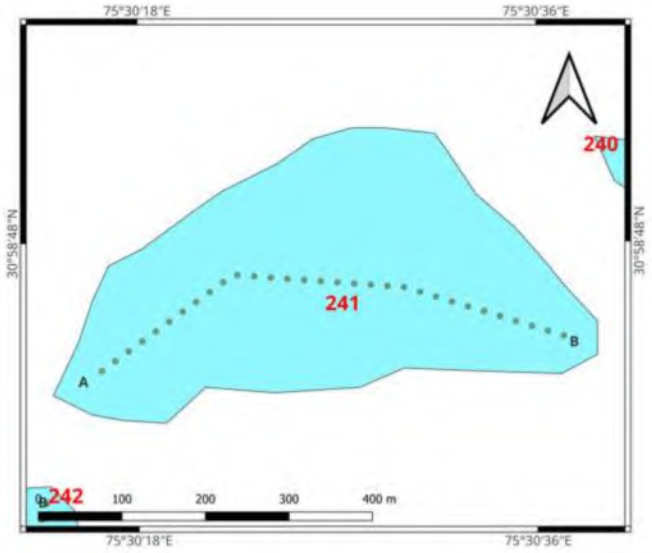


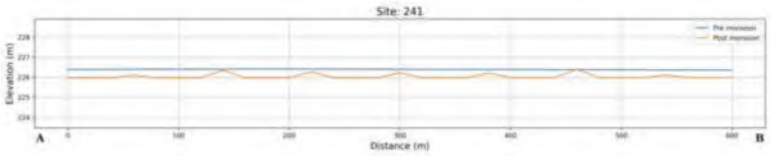
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	226.390	225.972	-0.418
2	20	226.388	225.973	-0.415
3	40	226.385	225.976	-0.409
4	60	226.382	225.994	-0.388
5	80	226.379	226.076	-0.302
6	100	226.375	226.218	-0.157
7	120	226.372	226.306	-0.065
8	140	226.368	226.319	-0.049
9	160	226.364	226.325	-0.039
10	180	226.360	226.337	-0.023
11	200	226.356	226.349	-0.007
12	220	226.352	226.366	0.014
13	240	226.348	226.386	0.038
14	260	226.344	226.400	0.055
15	280	226.340	226.408	0.068
16	300	226.336	226.413	0.077
17	320	226.332	226.603	0.081
18	340	226.328	226.411	0.528
19	360	226.323	226.442	0.118
20	380	226.320	226.553	0.233
21	400	226.316	226.691	0.375
22	420	226.312	226.762	0.450
23	440	226.309	226.777	0.469
24	460	226.305	226.779	0.474

25	480	226.301	226.779	0.478
26	500	226.298	226.977	0.647
27	520	226.294	226.780	0.486
28	540	226.290	226.780	0.490
29	560	226.285	226.781	0.496
30	580	226.260	227.198	0.521
31	600	226.158	226.782	0.624
32	620	225.983	226.782	0.799
33	640	225.849	226.782	0.933
34	660	225.782	227.099	1
35	680	225.756	226.782	1.026
36	700	225.752	226.783	1.031
37	720	225.751	226.783	1.031
38	740	225.751	226.943	1.403
39	760	225.751	226.783	1.032
40	780	225.751	226.783	1.032
41	800	225.751	226.783	1.032
42	820	225.747	226.987	1.524
43	840	225.726	226.784	1.058
44	860	225.693	226.784	1.091
45	880	225.673	226.784	1.111
46	900	225.669	227.193	1.115
47	920	225.669	226.784	1.116
48	940	225.668	226.784	1.446
49	960	225.667	226.784	1.117
50	980	225.666	227.264	1.118
51	1000	225.665	226.783	1.118
52	1020	225.665	226.783	1.542
53	1040	225.665	226.783	1.118
54	1060	225.668	227.183	1.115
55	1080	225.685	226.781	1.095
56	1100	225.707	226.762	1.055
57	1120	225.676	226.688	1.012
58	1140	225.595	226.585	0.990
59	1160	225.544	226.488	0.944
60	1180	225.532	226.382	0.850
61	1200	225.530	226.380	0.850
62	1220	225.529	226.367	0.838
63	1240	225.527	226.248	0.721
64	1260	225.525	226.244	0.719
65	1280	225.523	226.443	0.920
66	1300	225.521	226.583	1.062
67	1320	225.518	226.556	1.038
68	1340	225.517	226.484	0.967
69	1360	225.517	226.520	1.002
70	1380	225.517	226.619	1.102
71	1400	225.515	226.650	1.135
72	1420	225.512	226.639	1.127
73	1440	225.510	226.644	1.134
74	1460	225.508	226.606	1.098
75	1480	225.505	226.458	0.953
76	1500	225.502	226.346	0.844

77	1520	225.499	226.419	0.920
78	1540	225.495	226.407	0.912
79	1560	225.492	226.243	0.752
80	1580	225.487	226.185	0.698
81	1600	225.484	226.281	0.797
		Avg Deposited		0.799
		Avg Eroded		-0.207

Site: 241

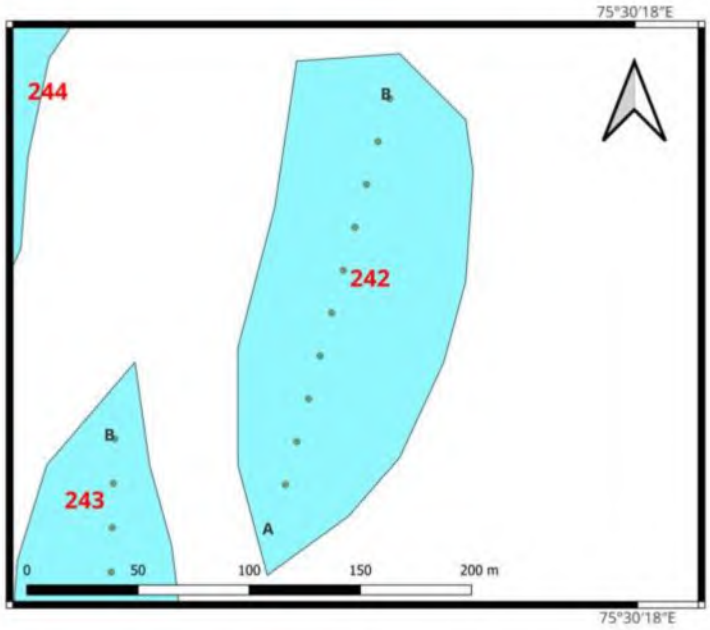


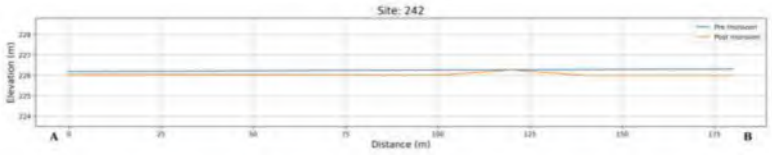


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	226.385	225.963	-0.422
2	20	226.388	225.963	-0.425
3	40	226.391	225.963	-0.428
4	60	226.393	226.089	0.056
5	80	226.394	225.962	-0.432
6	100	226.396	225.963	-0.433
7	120	226.398	225.963	-0.435
8	140	226.400	226.352	-0.208
9	160	226.402	225.962	-0.440
10	180	226.403	225.962	-0.441
11	200	226.403	225.962	-0.441
12	220	226.402	226.268	-0.311
13	240	226.400	225.964	-0.436
14	260	226.397	225.965	-0.432
15	280	226.395	225.966	-0.429
16	300	226.393	226.217	-0.080
17	320	226.391	225.968	-0.424
18	340	226.390	225.968	-0.421
19	360	226.388	225.969	-0.418
20	380	226.386	226.204	-0.043
21	400	226.383	225.972	-0.411
22	420	226.380	225.973	-0.408
23	440	226.378	225.974	-0.404
24	460	226.375	226.397	0.030

25	480	226.372	225.977	-0.396
26	500	226.370	225.978	-0.392
27	520	226.367	225.979	-0.388
28	540	226.364	226.094	0.009
29	560	226.362	225.982	-0.380
30	580	226.360	225.983	-0.376
31	600	226.358	225.984	-0.374
		Avg Deposited		NA
		Avg Eroded		-0.417

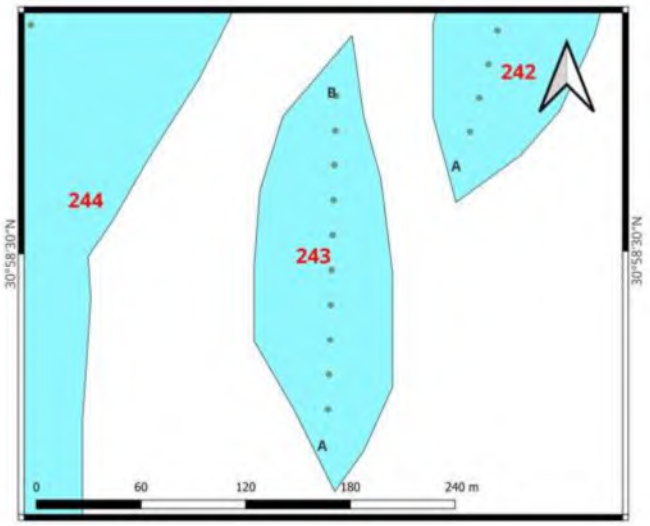
Site: 242

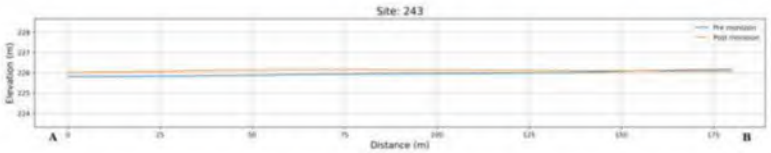




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	226.190	226.054	-0.136
2	20	226.199	226.046	-0.153
3	40	226.213	226.034	-0.179
4	60	226.227	226.023	-0.204
5	80	226.242	226.014	-0.228
6	100	226.256	226.005	-0.251
7	120	226.270	226.263	-0.271
8	140	226.283	225.993	-0.290
9	160	226.296	225.989	-0.307
10	180	226.304	225.986	-0.319
		Avg Deposited		NA
		Avg Eroded		-0.234

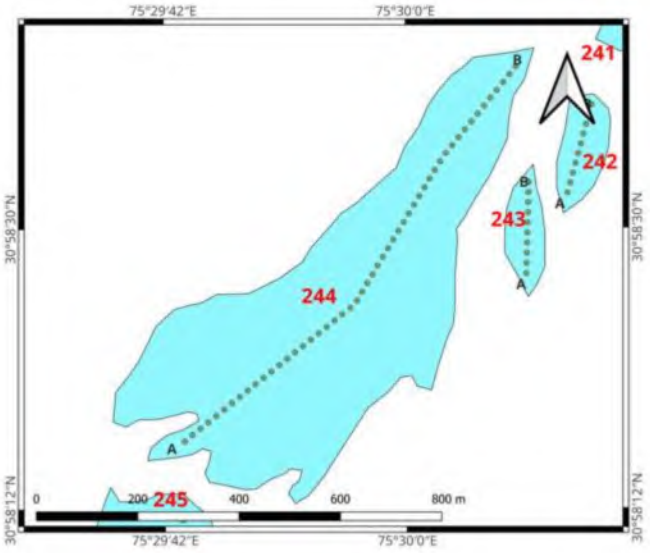
Site: 243

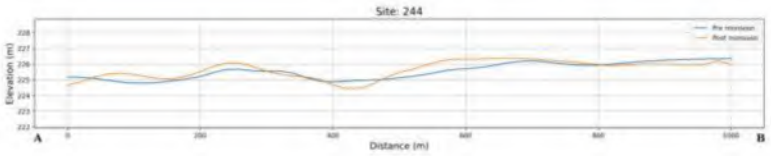




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.814	226.010	0.196
2	20	225.814	226.051	0.236
3	40	225.848	226.115	0.267
4	60	225.903	226.147	0.244
5	80	225.940	226.143	0.204
6	100	225.956	226.129	0.173
7	120	225.971	226.113	0.142
8	140	226.020	226.095	0.075
9	160	226.106	226.077	-0.029
10	180	226.161	226.064	-0.097
		Avg Deposited		0.192
		Avg Eroded		-0.063

Site: 244

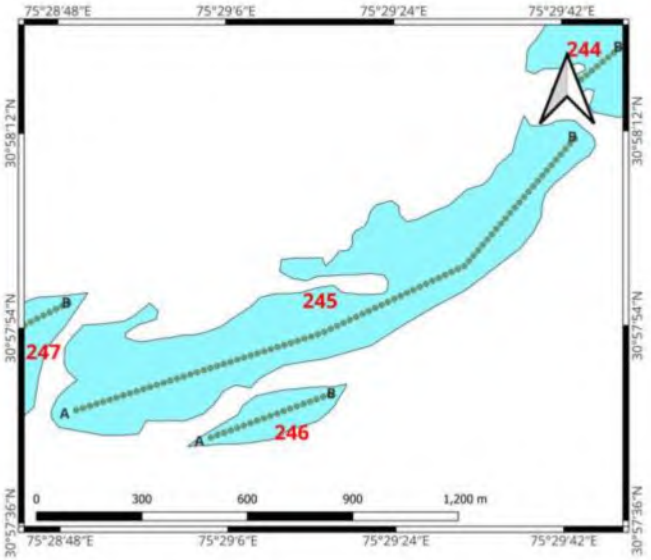


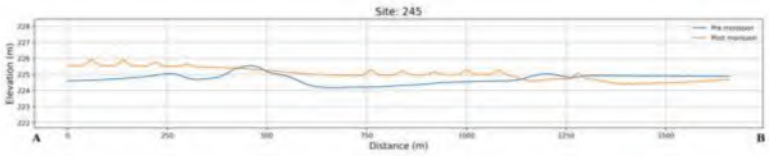


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.170	224.662	-0.508
2	20	225.160	224.879	-0.281
3	40	225.086	225.167	0.080
4	60	224.967	225.364	0.397
5	80	224.849	225.415	0.566
6	100	224.787	225.337	0.551
7	120	224.784	225.182	0.398
8	140	224.840	225.056	0.216
9	160	224.945	225.069	0.123
10	180	225.056	225.230	0.174
11	200	225.212	225.517	0.304
12	220	225.459	225.855	0.396
13	240	225.663	226.071	0.408
14	260	225.671	226.054	0.383
15	280	225.564	225.828	0.264
16	300	225.546	225.543	-0.003
17	320	225.563	225.351	-0.213
18	340	225.412	225.236	-0.177
19	360	225.123	225.175	0.053
20	380	224.910	225.021	0.111
21	400	224.860	224.672	-0.188
22	420	224.912	224.429	-0.483
23	440	224.960	224.449	-0.511
24	460	224.987	224.731	-0.256

25	480	225.029	225.156	0.127
26	500	225.119	225.469	0.351
27	520	225.222	225.678	0.456
28	540	225.341	225.939	0.597
29	560	225.506	226.184	0.678
30	580	225.644	226.300	0.656
31	600	225.708	226.324	0.616
32	620	225.772	226.334	0.562
33	640	225.902	226.356	0.454
34	660	226.055	226.373	0.317
35	680	226.165	226.361	0.196
36	700	226.198	226.321	0.123
37	720	226.142	226.266	0.124
38	740	226.045	226.206	0.160
39	760	225.962	226.138	0.176
40	780	225.917	226.057	0.140
41	800	225.932	225.964	0.032
42	820	225.994	225.897	-0.097
43	840	226.073	225.920	-0.153
44	860	226.146	225.992	-0.154
45	880	226.204	226.019	-0.185
46	900	226.246	226.003	-0.244
47	920	226.279	225.985	-0.295
48	940	226.305	225.975	-0.331
49	960	226.326	225.970	-0.356
50	980	226.341	226.233	-0.375
51	1000	226.351	225.965	-0.386
		Avg Deposited		0.318
		Avg Eroded		-0.273

Site: 245





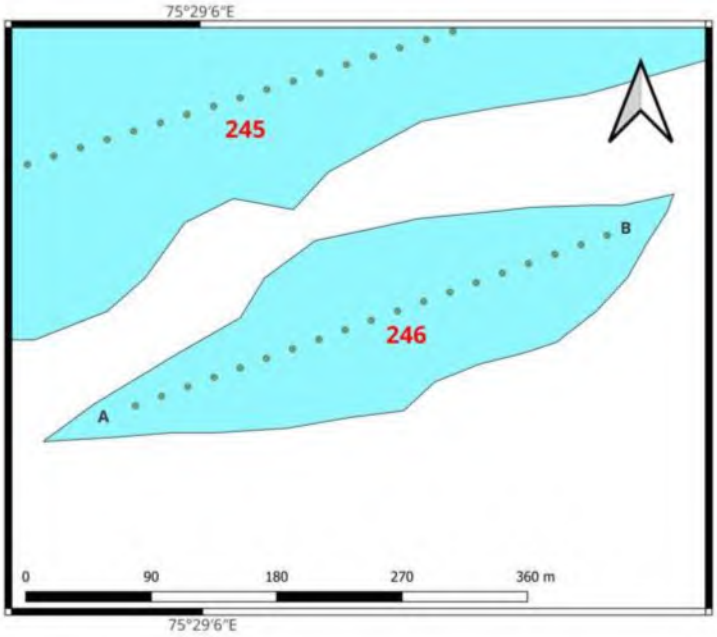
2484

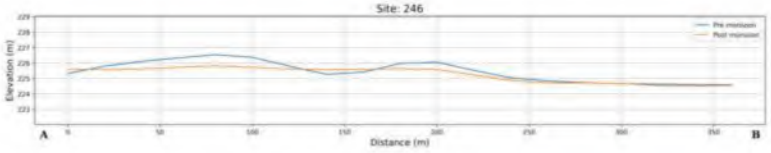
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.601	225.555	0.953
2	20	224.611	225.554	0.943
3	40	224.624	225.552	0.927
4	60	224.641	225.949	0.908
5	80	224.662	225.547	0.885
6	100	224.689	225.545	0.856
7	120	224.719	225.542	0.823
8	140	224.749	225.919	0.789
9	160	224.782	225.534	0.751
10	180	224.824	225.530	0.706
11	200	224.880	225.525	0.645
12	220	224.945	225.795	0.575
13	240	225.013	225.514	0.500
14	260	225.055	225.506	0.451
15	280	224.968	225.498	0.530
16	300	224.770	225.657	0.719
17	320	224.679	225.478	0.799
18	340	224.706	225.464	0.758
19	360	224.753	225.447	0.694
20	380	224.835	225.429	0.594
21	400	225.072	225.411	0.339
22	420	225.363	225.390	0.027
23	440	225.484	225.363	-0.121
24	460	225.552	225.330	-0.222

25	480	225.443	225.295	-0.148
26	500	225.173	225.256	0.082
27	520	225.030	225.213	0.183
28	540	224.970	225.167	0.197
29	560	224.813	225.120	0.307
30	580	224.586	225.076	0.490
31	600	224.374	225.036	0.662
32	620	224.252	225.004	0.751
33	640	224.196	224.981	0.785
34	660	224.169	224.962	0.793
35	680	224.175	224.946	0.771
36	700	224.203	224.935	0.732
37	720	224.217	224.931	0.714
38	740	224.211	224.934	0.723
39	760	224.215	225.307	0.725
40	780	224.233	224.948	0.715
41	800	224.259	224.956	0.697
42	820	224.287	224.962	0.675
43	840	224.315	225.226	0.652
44	860	224.341	224.973	0.632
45	880	224.365	224.977	0.612
46	900	224.403	224.981	0.578
47	920	224.455	225.176	0.529
48	940	224.493	224.987	0.494
49	960	224.513	224.989	0.476
50	980	224.527	224.991	0.464
51	1000	224.543	225.301	0.449
52	1020	224.559	224.993	0.435
53	1040	224.572	224.995	0.423
54	1060	224.581	224.995	0.414
55	1080	224.589	225.301	0.405
56	1100	224.599	224.971	0.373
57	1120	224.628	224.867	0.240
58	1140	224.721	224.694	-0.028
59	1160	224.874	224.593	-0.281
60	1180	224.990	224.610	-0.380
61	1200	225.033	224.675	-0.358
62	1220	224.999	224.712	-0.287
63	1240	224.889	224.717	-0.171
64	1260	224.802	224.717	-0.085
65	1280	224.849	225.098	-0.136
66	1300	224.914	224.705	-0.209
67	1320	224.928	224.681	-0.247
68	1340	224.926	224.606	-0.321
69	1360	224.923	224.492	-0.431
70	1380	224.919	224.427	-0.492
71	1400	224.916	224.417	-0.499
72	1420	224.913	224.423	-0.490
73	1440	224.909	224.434	-0.475
74	1460	224.906	224.445	-0.461
75	1480	224.904	224.458	-0.446
76	1500	224.901	224.475	-0.426

77	1520	224.897	224.491	-0.406
78	1540	224.894	224.510	-0.384
79	1560	224.891	224.534	-0.357
80	1580	224.887	224.559	-0.328
81	1600	224.884	224.587	-0.297
82	1620	224.880	224.623	-0.257
83	1640	224.875	224.657	-0.218
84	1660	224.871	224.678	-0.193
		Avg Deposited		0.599
		Avg Eroded		-0.305

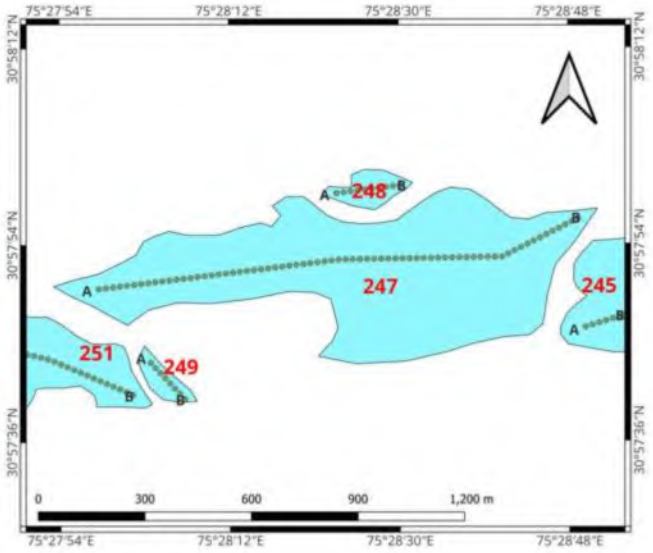
Site: 246

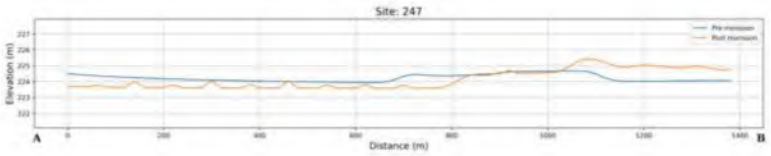




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	225.321	225.587	0.266
2	20	225.801	225.590	-0.211
3	40	226.111	225.618	-0.493
4	60	226.331	225.726	-0.605
5	80	226.540	225.815	-0.725
6	100	226.374	225.724	-0.650
7	120	225.804	225.614	-0.190
8	140	225.272	225.580	0.309
9	160	225.407	225.586	0.179
10	180	225.972	225.638	-0.334
11	200	226.054	225.586	-0.469
12	220	225.528	225.240	-0.288
13	240	225.042	224.867	-0.174
14	260	224.840	224.720	-0.120
15	280	224.734	224.719	-0.015
16	300	224.661	224.675	0.014
17	320	224.635	224.551	-0.084
18	340	224.605	224.510	-0.095
19	360	224.584	224.554	-0.030
		Avg Deposited		0.192
		Avg Eroded		-0.299

Site: 247

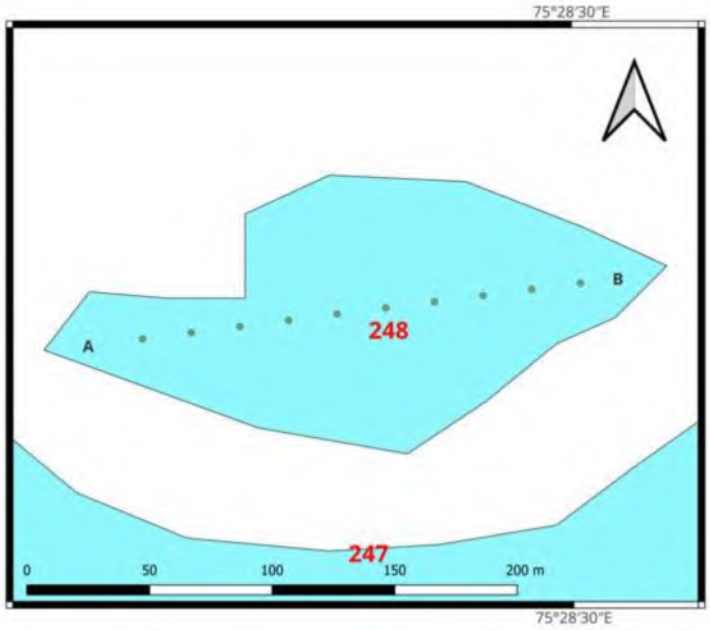


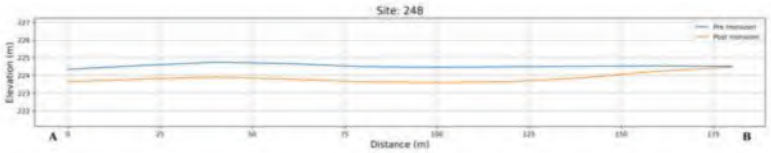


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.481	223.672	-0.808
2	20	224.448	223.668	-0.780
3	40	224.402	223.661	-0.741
4	60	224.359	223.781	-0.705
5	80	224.324	223.647	-0.677
6	100	224.298	223.642	-0.656
7	120	224.269	223.636	-0.633
8	140	224.239	224.017	-0.608
9	160	224.214	223.626	-0.589
10	180	224.196	223.622	-0.574
11	200	224.175	223.618	-0.557
12	220	224.152	223.781	-0.539
13	240	224.134	223.610	-0.524
14	260	224.121	223.607	-0.514
15	280	224.105	223.604	-0.501
16	300	224.087	224.045	-0.486
17	320	224.073	223.599	-0.475
18	340	224.063	223.596	-0.467
19	360	224.051	223.595	-0.457
20	380	224.037	223.821	-0.444
21	400	224.026	223.591	-0.435
22	420	224.018	223.589	-0.429
23	440	224.008	223.588	-0.196
24	460	223.996	224.053	-0.410

25	480	223.987	223.585	-0.403
26	500	223.982	223.583	-0.398
27	520	223.974	223.582	0.108
28	540	223.964	223.792	-0.382
29	560	223.956	223.580	-0.376
30	580	223.952	223.579	-0.373
31	600	223.945	223.578	-0.242
32	620	223.936	223.815	-0.359
33	640	223.933	223.576	-0.356
34	660	223.960	223.575	-0.384
35	680	224.094	223.575	-0.520
36	700	224.327	223.794	-0.753
37	720	224.449	223.573	-0.876
38	740	224.415	223.572	-0.842
39	760	224.372	223.575	-0.796
40	780	224.360	223.622	-0.738
41	800	224.357	223.833	-0.524
42	820	224.384	224.182	-0.201
43	840	224.407	224.405	-0.002
44	860	224.389	224.473	0.085
45	880	224.427	224.483	0.056
46	900	224.539	224.480	-0.059
47	920	224.614	224.709	-0.127
48	940	224.634	224.504	-0.129
49	960	224.640	224.526	-0.114
50	980	224.646	224.541	-0.105
51	1000	224.654	224.553	-0.101
52	1020	224.661	224.613	-0.049
53	1040	224.668	224.852	0.184
54	1060	224.671	225.232	0.561
55	1080	224.641	225.440	0.798
56	1100	224.483	225.386	0.903
57	1120	224.217	225.193	0.975
58	1140	224.055	224.988	0.933
59	1160	224.017	224.885	0.868
60	1180	224.013	224.964	0.951
61	1200	224.013	225.027	1.014
62	1220	224.013	224.995	0.981
63	1240	224.019	224.954	0.934
64	1260	224.031	224.878	0.847
65	1280	224.039	224.859	0.820
66	1300	224.042	224.959	0.917
67	1320	224.043	224.960	0.917
68	1340	224.044	224.801	0.757
69	1360	224.046	224.742	0.695
70	1380	224.048	224.785	0.737
		Avg Deposited		0.747
		Avg Eroded		-0.463

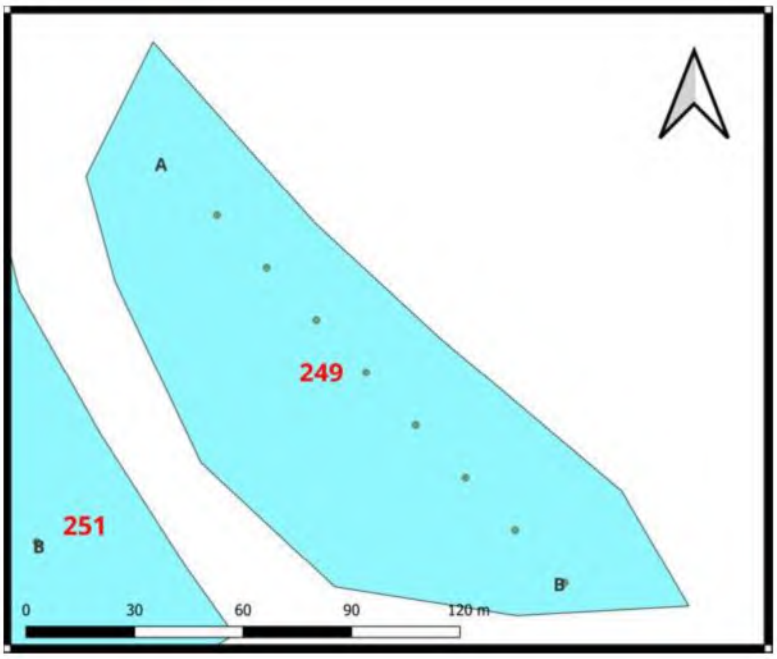
Site: 248

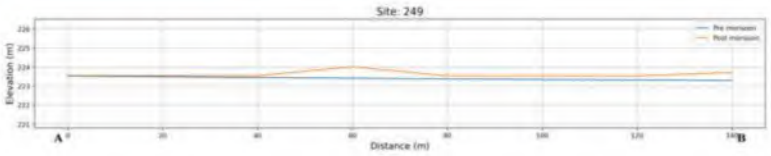




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.344	223.645	-0.700
2	20	224.564	223.790	-0.775
3	40	224.744	223.913	-0.831
4	60	224.667	223.787	-0.880
5	80	224.496	223.637	-0.858
6	100	224.466	223.601	-0.864
7	120	224.490	223.646	-0.843
8	140	224.517	223.868	-0.649
9	160	224.541	224.243	-0.298
10	180	224.519	224.477	-0.042
		Avg Deposited		NA
		Avg Eroded		-0.674

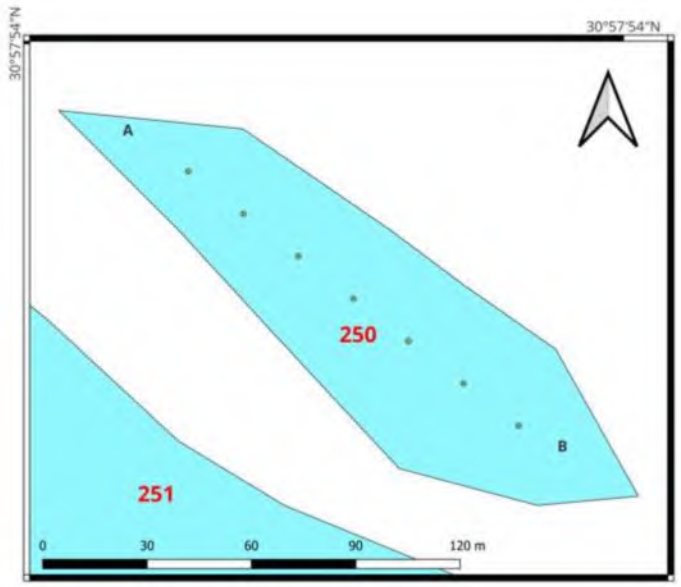
Site: 249

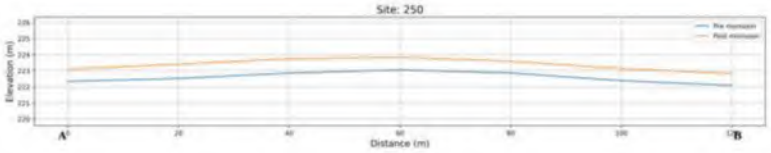




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	223.524	223.552	0.028
2	20	223.494	223.548	0.055
3	40	223.453	223.543	0.090
4	60	223.413	224.016	0.126
5	80	223.377	223.536	0.159
6	100	223.344	223.533	0.190
7	120	223.318	223.531	0.213
8	140	223.304	223.718	0.226
		Avg Deposited		0.136
		Avg Eroded		NA

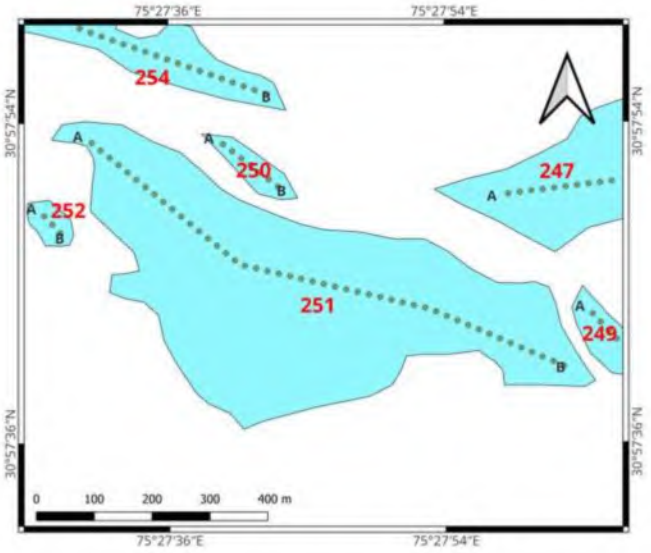
Site: 250

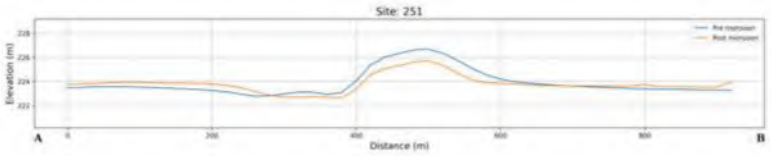




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	222.334	223.093	0.759
2	20	222.519	223.403	0.884
3	40	222.851	223.737	0.886
4	60	223.051	223.829	0.778
5	80	222.858	223.588	0.730
6	100	222.382	223.129	0.747
7	120	222.084	222.818	0.734
		Avg Deposited		0.788
		Avg Eroded		NA

Site: 251



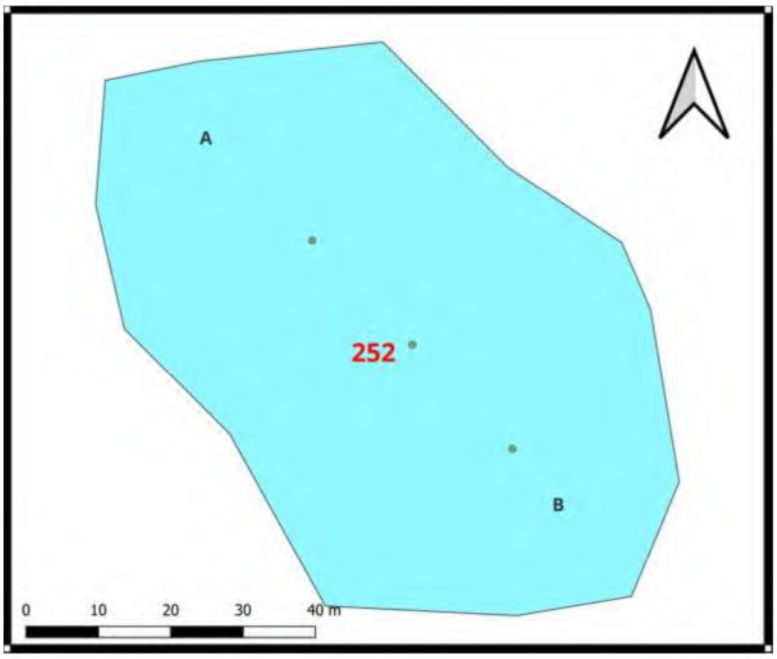


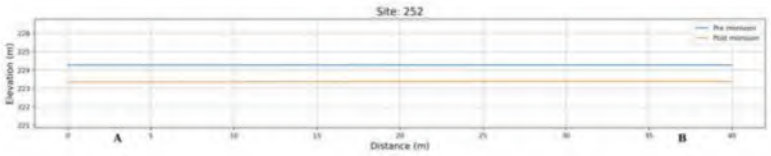
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	223.460	223.739	0.279
2	20	223.502	223.781	0.279
3	40	223.556	223.832	0.276
4	60	223.572	223.892	0.320
5	80	223.552	223.936	0.384
6	100	223.518	223.927	0.409
7	120	223.481	223.887	0.406
8	140	223.440	223.866	0.427
9	160	223.389	223.859	0.470
10	180	223.323	223.837	0.514
11	200	223.248	223.782	0.535
12	220	223.144	223.671	0.527
13	240	222.947	223.475	0.528
14	260	222.765	223.172	0.407
15	280	222.806	222.853	0.047
16	300	222.961	222.700	-0.261
17	320	223.112	222.676	-0.436
18	340	223.101	222.718	-0.383
19	360	222.918	222.673	-0.245
20	380	223.076	222.633	-0.442
21	400	224.050	223.366	-0.684
22	420	225.363	224.568	-0.795
23	440	226.031	225.089	-0.942
24	460	226.328	225.312	-1.016

2494

25	480	226.613	225.611	-1.003
26	500	226.685	225.709	-0.976
27	520	226.354	225.360	-0.994
28	540	225.761	224.704	-1.057
29	560	225.103	224.135	-0.968
30	580	224.551	223.894	-0.657
31	600	224.186	223.839	-0.347
32	620	223.976	223.781	-0.194
33	640	223.845	223.713	-0.132
34	660	223.757	223.666	-0.091
35	680	223.677	223.640	-0.037
36	700	223.608	223.630	0.022
37	720	223.558	223.624	0.066
38	740	223.508	223.613	0.105
39	760	223.457	223.610	0.153
40	780	223.413	223.619	0.206
41	800	223.383	223.743	0.229
42	820	223.364	223.579	0.215
43	840	223.341	223.548	0.208
44	860	223.314	223.534	0.220
45	880	223.291	223.529	0.238
46	900	223.277	223.527	0.251
47	920	223.273	223.943	0.254
		Avg Deposited		0.295
		Avg Eroded		-0.583

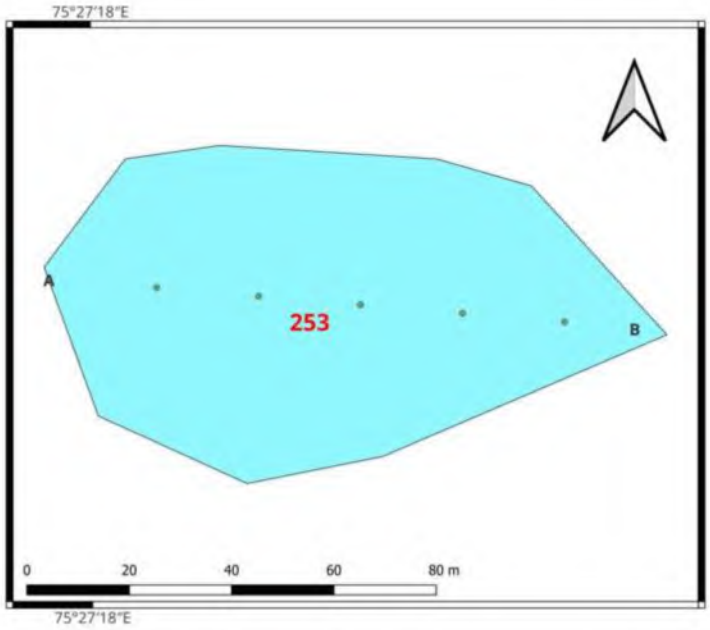
Site: 252

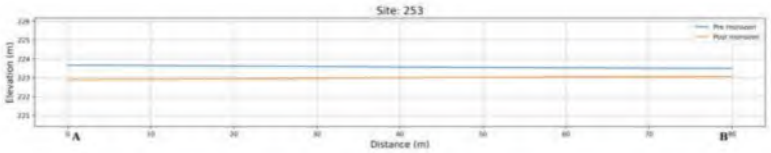




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.264	223.351	-0.913
2	20	224.267	223.372	-0.895
3	40	224.269	223.381	-0.887
		Avg Deposited		NA
		Avg Eroded		-0.898

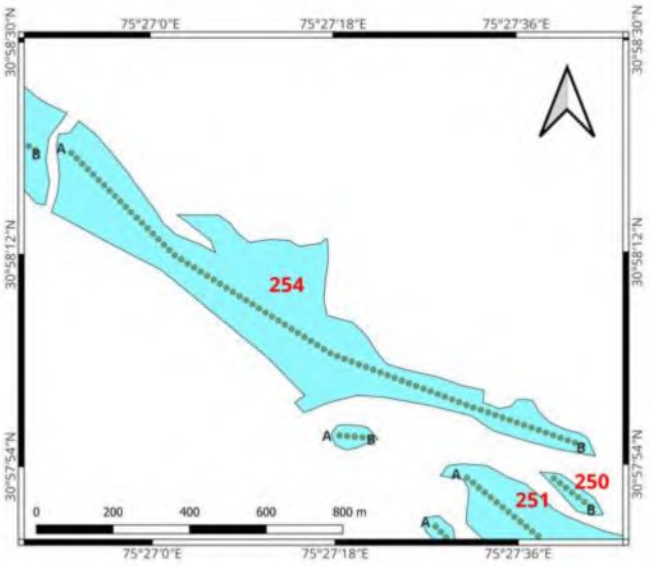
Site: 253

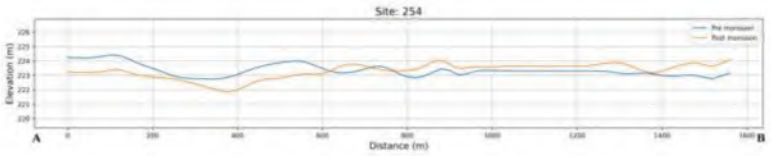




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	223.666	222.896	-0.770
2	20	223.624	222.937	-0.687
3	40	223.568	222.991	-0.576
4	60	223.519	223.038	-0.481
5	80	223.489	223.065	-0.425
		Avg Deposited		NA
		Avg Eroded		-0.588

Site: 254



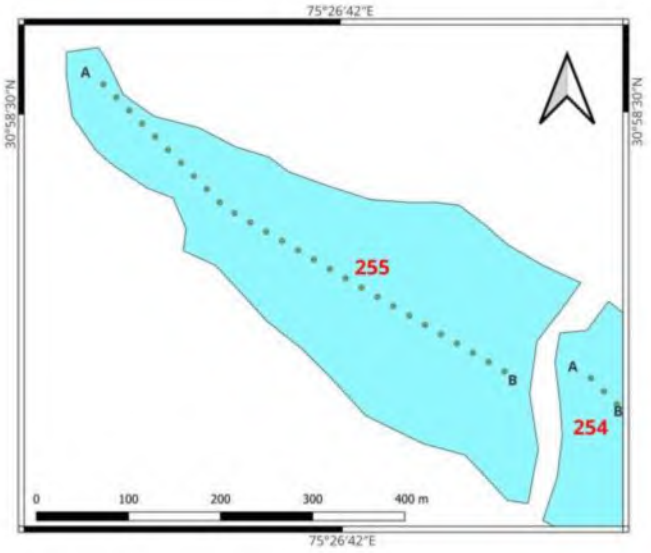


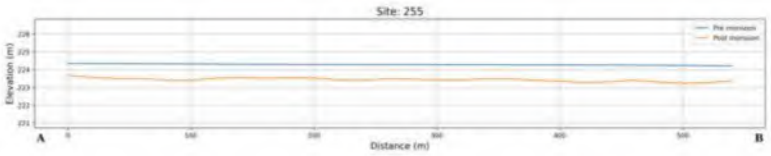
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.242	223.230	-1.012
2	20	224.221	223.207	-1.014
3	40	224.202	223.198	-1.004
4	60	224.224	223.199	-1.026
5	80	224.309	223.238	-1.071
6	100	224.405	223.364	-1.041
7	120	224.386	223.412	-0.974
8	140	224.195	223.233	-0.962
9	160	223.919	223.048	-0.871
10	180	223.675	222.957	-0.718
11	200	223.487	222.891	-0.597
12	220	223.283	222.824	-0.458
13	240	223.045	222.774	-0.270
14	260	222.869	222.706	-0.163
15	280	222.792	222.569	-0.223
16	300	222.769	222.412	-0.357
17	320	222.750	222.255	-0.495
18	340	222.731	222.083	-0.648
19	360	222.762	221.910	-0.853
20	380	222.875	221.848	-1.027
21	400	223.055	221.995	-1.059
22	420	223.273	222.268	-1.005
23	440	223.480	222.534	-0.946
24	460	223.651	222.717	-0.934

25	480	223.781	222.754	-1.027
26	500	223.873	222.785	-1.088
27	520	223.951	222.910	-1.041
28	540	223.997	223.052	-0.945
29	560	223.916	223.098	-0.818
30	580	223.709	223.075	-0.634
31	600	223.475	223.112	-0.363
32	620	223.273	223.302	0.029
33	640	223.174	223.604	0.430
34	660	223.179	223.773	0.594
35	680	223.263	223.766	0.503
36	700	223.430	223.659	0.229
37	720	223.599	223.499	-0.101
38	740	223.617	223.363	-0.253
39	760	223.430	223.304	-0.126
40	780	223.116	223.310	0.194
41	800	222.896	223.337	0.442
42	820	222.835	223.410	0.575
43	840	222.948	223.641	0.694
44	860	223.198	223.956	0.758
45	880	223.445	224.051	0.606
46	900	223.347	223.776	0.429
47	920	223.025	223.476	0.451
48	940	223.095	223.518	0.423
49	960	223.289	223.588	0.300
50	980	223.333	223.581	0.248
51	1000	223.329	223.588	0.259
52	1020	223.322	223.610	0.288
53	1040	223.315	223.625	0.310
54	1060	223.310	223.635	0.325
55	1080	223.307	223.646	0.339
56	1100	223.304	223.646	0.343
57	1120	223.302	223.625	0.323
58	1140	223.301	223.609	0.308
59	1160	223.300	223.634	0.334
60	1180	223.300	223.654	0.354
61	1200	223.299	223.634	0.334
62	1220	223.299	223.633	0.334
63	1240	223.298	223.714	0.416
64	1260	223.286	223.809	0.523
65	1280	223.231	223.861	0.629
66	1300	223.143	223.860	0.717
67	1320	223.105	223.734	0.629
68	1340	223.136	223.471	0.335
69	1360	223.152	223.250	0.098
70	1380	223.084	223.172	0.088
71	1400	222.990	223.273	0.283
72	1420	222.942	223.497	0.555
73	1440	222.963	223.677	0.714
74	1460	223.005	223.809	0.804
75	1480	222.985	223.859	0.874
76	1500	222.850	223.725	0.875

77	1520	222.773	223.628	0.855
78	1540	222.965	223.837	0.872
79	1560	223.156	224.089	0.933
		Avg Deposited		0.466
		Avg Eroded		-0.739

Site: 255

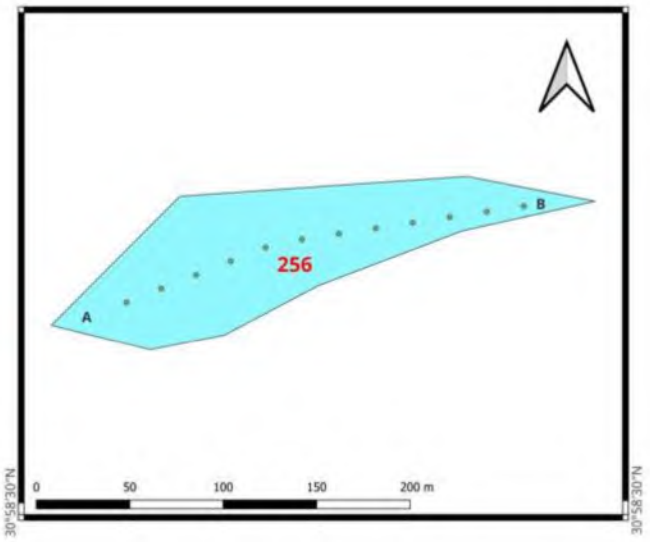


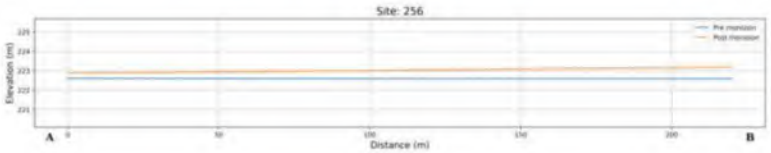


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	224.341	223.665	-0.676
2	20	224.338	223.556	-0.782
3	40	224.333	223.499	-0.834
4	60	224.327	223.493	-0.834
5	80	224.321	223.414	-0.907
6	100	224.315	223.411	-0.903
7	120	224.309	223.513	-0.796
8	140	224.304	223.553	-0.751
9	160	224.298	223.511	-0.787
10	180	224.290	223.540	-0.750
11	200	224.286	223.524	-0.762
12	220	224.285	223.424	-0.861
13	240	224.283	223.413	-0.870
14	260	224.280	223.475	-0.805
15	280	224.278	223.456	-0.822
16	300	224.275	223.426	-0.849
17	320	224.272	223.418	-0.854
18	340	224.269	223.480	-0.789
19	360	224.267	223.473	-0.794
20	380	224.264	223.395	-0.868
21	400	224.259	223.345	-0.914
22	420	224.254	223.270	-0.984
23	440	224.251	223.313	-0.937
24	460	224.245	223.388	-0.857

25	480	224.237	223.299	-0.939
26	500	224.230	223.220	-1.010
27	520	224.222	223.260	-0.962
28	540	224.214	223.362	-0.852
		Avg Deposited		NA
		Avg Eroded		-0.848

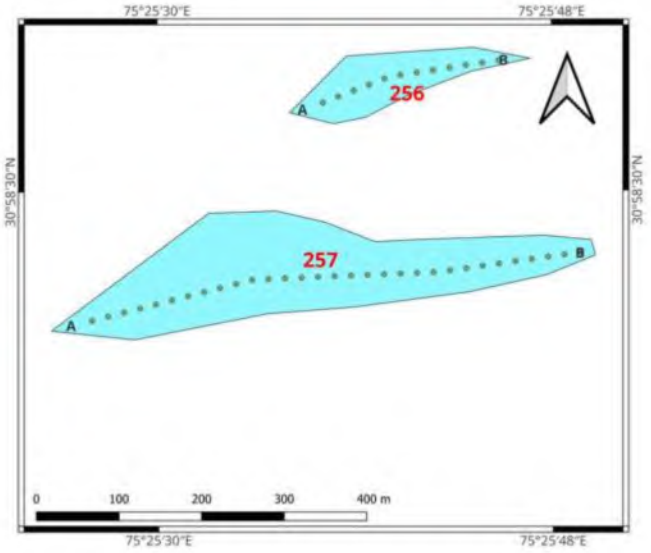
Site: 256

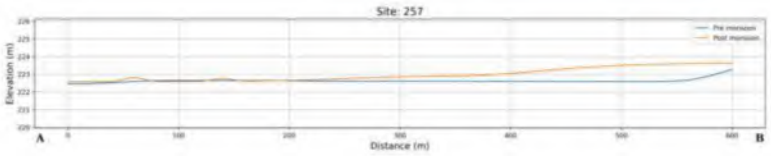




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	222.598	222.876	0.278
2	20	222.596	222.895	0.298
3	40	222.595	222.921	0.327
4	60	222.592	222.948	0.355
5	80	222.590	222.977	0.387
6	100	222.589	223.009	0.420
7	120	222.587	223.042	0.454
8	140	222.587	223.074	0.488
9	160	222.586	223.107	0.521
10	180	222.586	223.139	0.553
11	200	222.585	223.168	0.584
12	220	222.584	223.188	0.604
		Avg Deposited		0.439
		Avg Eroded		NA

Site: 257

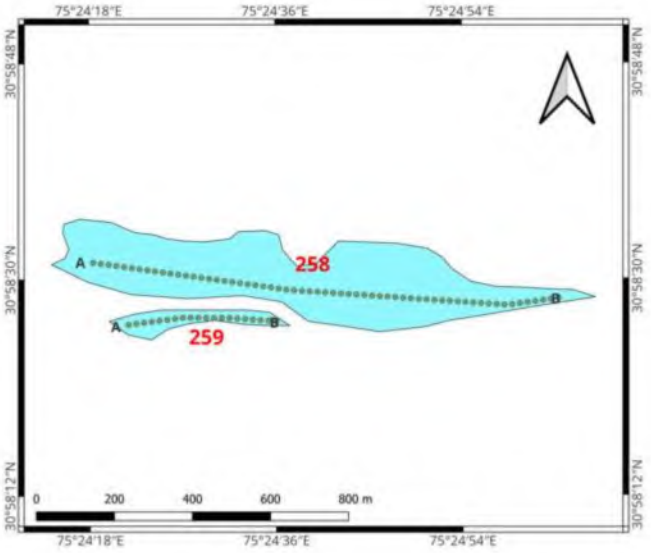


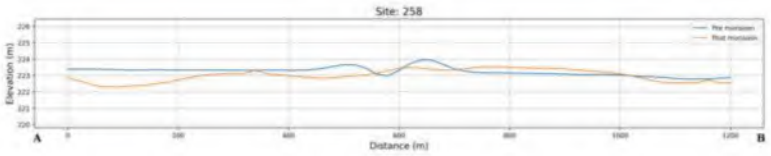


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	222.460	222.581	0.121
2	20	222.469	222.580	0.111
3	40	222.514	222.580	0.066
4	60	222.590	222.829	-0.010
5	80	222.636	222.581	-0.055
6	100	222.645	222.583	-0.061
7	120	222.644	222.588	-0.056
8	140	222.642	222.768	0.333
9	160	222.640	222.604	-0.036
10	180	222.637	222.621	-0.016
11	200	222.628	222.646	0.018
12	220	222.616	222.681	0.065
13	240	222.607	222.725	0.118
14	260	222.605	222.774	0.169
15	280	222.604	222.820	0.216
16	300	222.603	222.854	0.252
17	320	222.602	222.874	0.273
18	340	222.601	222.888	0.288
19	360	222.600	222.913	0.313
20	380	222.599	222.962	0.363
21	400	222.598	223.043	0.445
22	420	222.596	223.147	0.550
23	440	222.594	223.256	0.662
24	460	222.593	223.353	0.760

25	480	222.592	223.434	0.843
26	500	222.590	223.500	0.910
27	520	222.589	223.545	0.957
28	540	222.592	223.575	0.983
29	560	222.648	223.599	0.951
30	580	222.902	223.618	0.715
31	600	223.273	223.626	0.353
		Avg Deposited		0.437
		Avg Eroded		-0.040

Site: 258

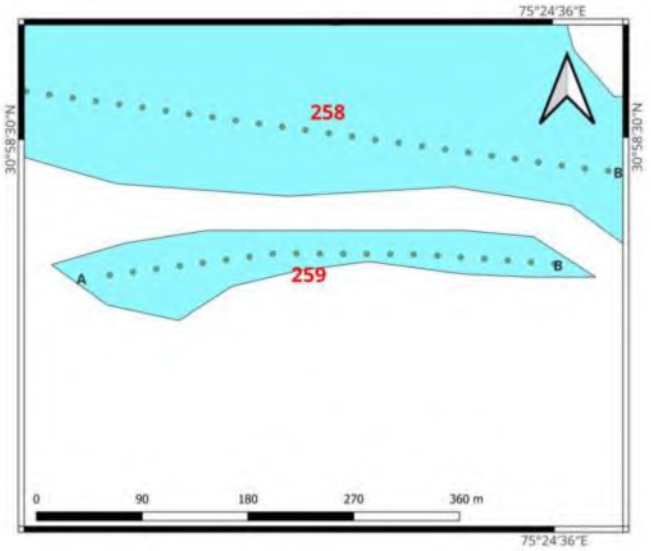


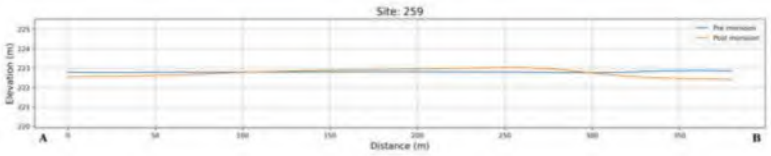


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	223.385	222.853	-0.532
2	20	223.384	222.690	-0.695
3	40	223.383	222.473	-0.910
4	60	223.379	222.323	-1.056
5	80	223.367	222.296	-1.071
6	100	223.347	222.331	-1.016
7	120	223.338	222.368	-0.969
8	140	223.344	222.412	-0.931
9	160	223.351	222.484	-0.867
10	180	223.343	222.588	-0.755
11	200	223.334	222.725	-0.610
12	220	223.332	222.869	-0.463
13	240	223.332	222.989	-0.342
14	260	223.331	223.068	-0.264
15	280	223.329	223.102	-0.227
16	300	223.320	223.108	-0.212
17	320	223.312	223.111	-0.202
18	340	223.320	223.326	-0.204
19	360	223.327	223.103	-0.224
20	380	223.321	223.056	-0.265
21	400	223.311	222.992	-0.318
22	420	223.316	222.931	-0.385
23	440	223.349	222.872	-0.477
24	460	223.425	222.827	-0.599

25	480	223.555	222.855	-0.700
26	500	223.660	222.932	-0.728
27	520	223.652	222.982	-0.670
28	540	223.452	223.031	-0.421
29	560	223.080	223.144	0.064
30	580	222.973	223.303	0.329
31	600	223.328	223.445	0.117
32	620	223.730	223.495	-0.235
33	640	223.950	223.446	-0.504
34	660	223.930	223.372	-0.558
35	680	223.675	223.333	-0.342
36	700	223.402	223.353	-0.049
37	720	223.245	223.416	0.172
38	740	223.183	223.492	0.309
39	760	223.163	223.535	0.372
40	780	223.153	223.535	0.382
41	800	223.145	223.509	0.364
42	820	223.138	223.475	0.337
43	840	223.128	223.454	0.325
44	860	223.118	223.446	0.328
45	880	223.108	223.437	0.328
46	900	223.087	223.405	0.318
47	920	223.057	223.346	0.288
48	940	223.052	223.283	0.231
49	960	223.063	223.235	0.172
50	980	223.056	223.189	0.133
51	1000	223.030	223.112	0.082
52	1020	222.986	222.987	0.001
53	1040	222.938	222.829	-0.109
54	1060	222.909	222.677	-0.232
55	1080	222.874	222.580	-0.294
56	1100	222.815	222.547	-0.269
57	1120	222.776	222.543	-0.232
58	1140	222.770	222.544	-0.225
59	1160	222.793	222.732	-0.248
60	1180	222.835	222.545	-0.290
61	1200	222.860	222.547	-0.314
		Avg Deposited		0.245
		Avg Eroded		-0.476

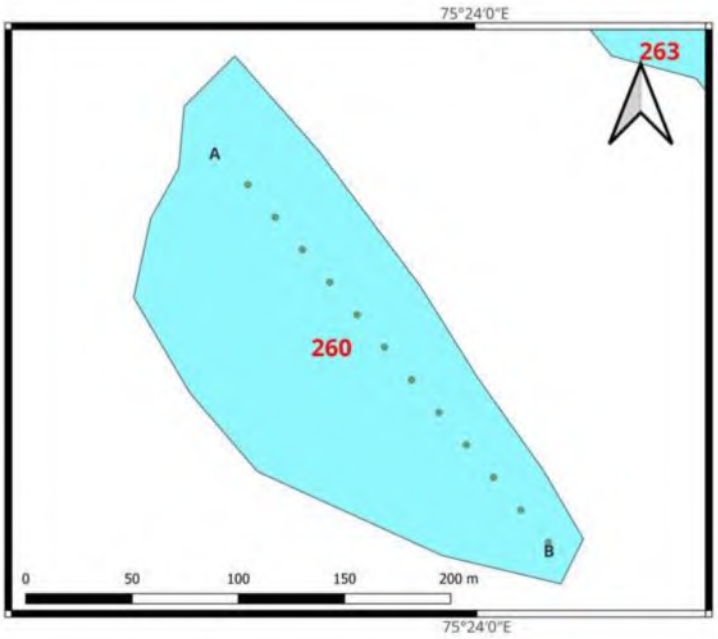
Site: 259

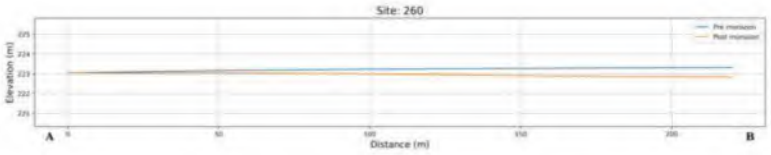




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	222.778	222.547	-0.231
2	20	222.778	222.563	-0.214
3	40	222.780	222.588	-0.193
4	60	222.786	222.628	-0.158
5	80	222.789	222.702	-0.087
6	100	222.789	222.775	-0.014
7	120	222.792	222.826	0.033
8	140	222.801	222.866	0.066
9	160	222.805	222.908	0.103
10	180	222.804	222.931	0.127
11	200	222.802	222.945	0.143
12	220	222.800	222.980	0.180
13	240	222.797	223.016	0.219
14	260	222.792	223.025	0.233
15	280	222.776	222.936	0.160
16	300	222.760	222.741	-0.019
17	320	222.786	222.576	-0.210
18	340	222.849	222.482	-0.366
19	360	222.870	222.434	-0.436
20	380	222.855	222.413	-0.442
		Avg Deposited		0.140
		Avg Eroded		-0.215

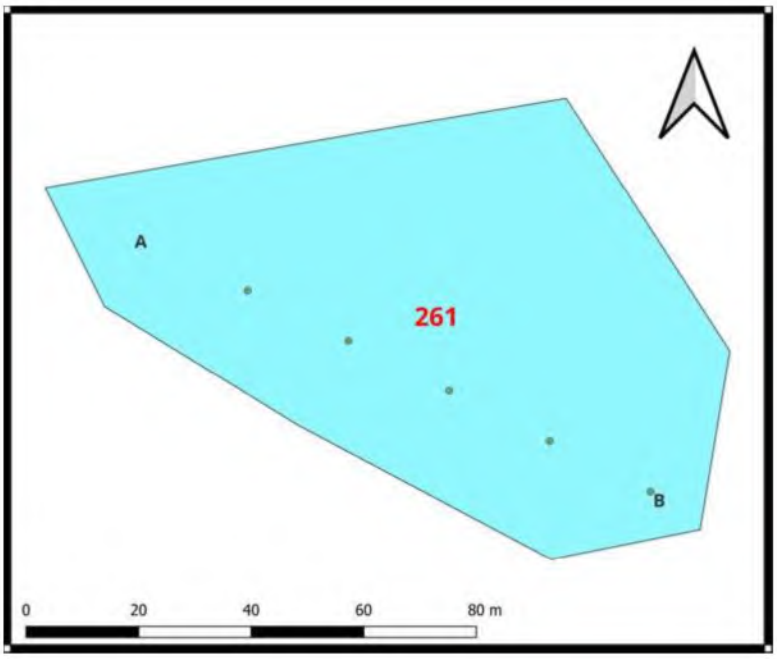
Site: 260

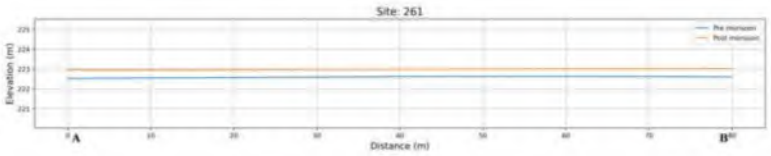




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	223.053	223.054	0
2	20	223.086	223.035	-0.051
3	40	223.136	223.040	-0.096
4	60	223.175	223.039	-0.135
5	80	223.200	223.017	-0.183
6	100	223.222	222.985	-0.237
7	120	223.243	222.953	-0.290
8	140	223.260	222.921	-0.338
9	160	223.274	222.889	-0.385
10	180	223.288	222.861	-0.427
11	200	223.298	222.840	-0.458
12	220	223.303	222.827	-0.476
		Avg Deposited		0
		Avg Eroded		-0.280

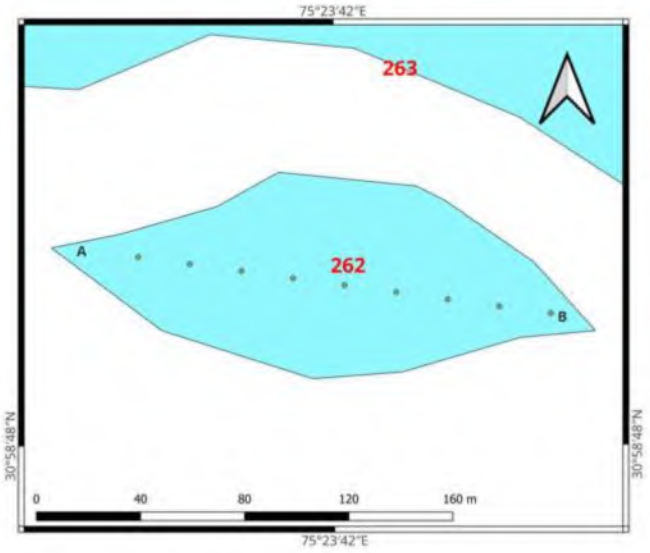
Site: 261

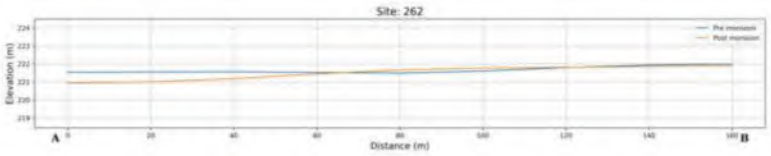




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	222.519	222.952	0.433
2	20	222.569	222.964	0.395
3	40	222.613	222.986	0.373
4	60	222.625	223.008	0.383
5	80	222.603	223.021	0.419
		Avg Deposited		0.401
		Avg Eroded		NA

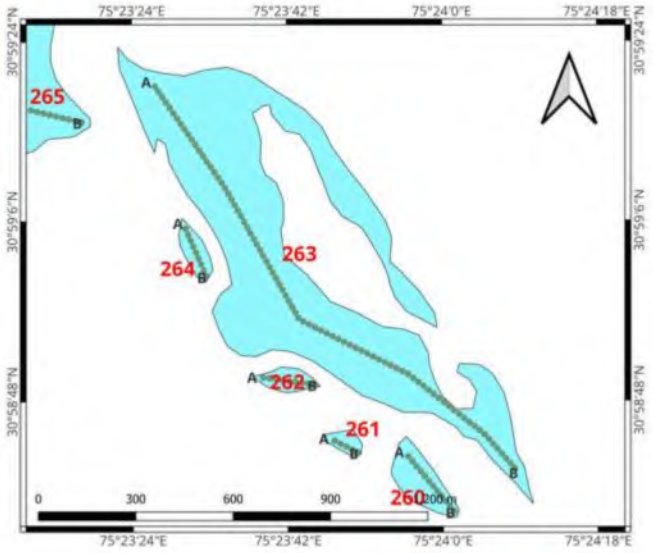
Site: 262

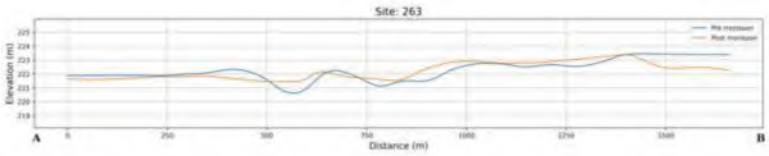




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.534	220.939	-0.595
2	20	221.550	220.999	-0.551
3	40	221.561	221.174	-0.387
4	60	221.522	221.443	-0.079
5	80	221.487	221.658	0.171
6	100	221.595	221.760	0.165
7	120	221.795	221.808	0.013
8	140	221.934	221.859	-0.076
9	160	221.992	221.898	-0.094
		Avg Deposited		0.116
		Avg Eroded		-0.297

Site: 263





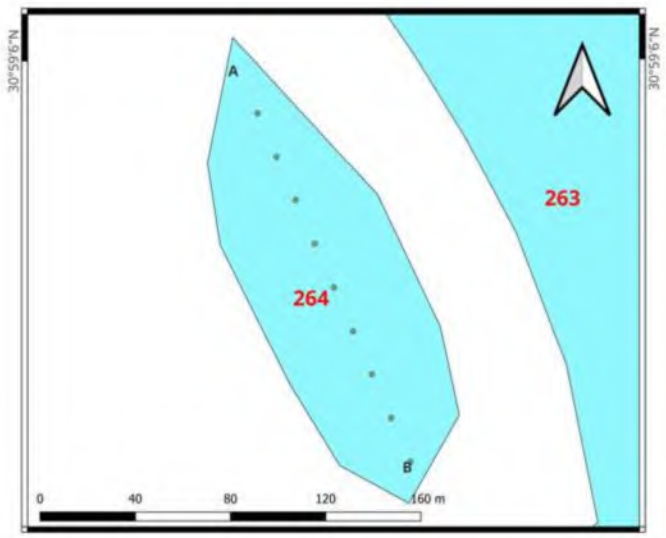
2512

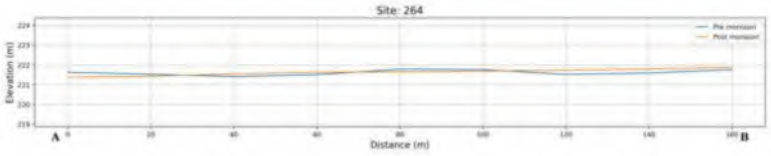
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.879	221.654	-0.224
2	20	221.880	221.630	-0.250
3	40	221.883	221.596	-0.287
4	60	221.885	221.584	-0.300
5	80	221.886	221.596	-0.290
6	100	221.887	221.616	-0.271
7	120	221.889	221.639	-0.250
8	140	221.891	221.663	-0.228
9	160	221.891	221.691	-0.200
10	180	221.888	221.724	-0.165
11	200	221.882	221.760	-0.122
12	220	221.874	221.793	-0.081
13	240	221.878	221.806	-0.072
14	260	221.906	221.801	-0.105
15	280	221.946	221.794	-0.152
16	300	221.983	221.820	-0.162
17	320	222.011	221.862	-0.150
18	340	222.045	221.858	-0.187
19	360	222.118	221.827	-0.291
20	380	222.224	221.783	-0.441
21	400	222.312	221.720	-0.592
22	420	222.332	221.654	-0.678
23	440	222.270	221.595	-0.675
24	460	222.121	221.541	-0.581

25	480	221.896	221.491	-0.405
26	500	221.581	221.447	-0.134
27	520	221.157	221.447	0.290
28	540	220.780	221.486	0.706
29	560	220.612	221.463	0.851
30	580	220.644	221.451	0.807
31	600	220.950	221.689	0.740
32	620	221.495	222.033	0.538
33	640	221.988	222.171	0.183
34	660	222.236	222.061	-0.175
35	680	222.235	221.897	-0.338
36	700	222.070	221.803	-0.267
37	720	221.859	221.747	-0.112
38	740	221.601	221.710	0.109
39	760	221.308	221.681	0.373
40	780	221.120	221.618	0.498
41	800	221.169	221.535	0.367
42	820	221.370	221.522	0.152
43	840	221.505	221.618	0.113
44	860	221.497	221.833	0.336
45	880	221.465	222.130	0.665
46	900	221.505	222.379	0.874
47	920	221.670	222.546	0.876
48	940	221.980	222.716	0.736
49	960	222.274	222.833	0.559
50	980	222.468	222.887	0.419
51	1000	222.606	222.918	0.312
52	1020	222.711	222.911	0.201
53	1040	222.762	222.865	0.103
54	1060	222.770	222.818	0.048
55	1080	222.747	222.790	0.043
56	1100	222.683	222.775	0.092
57	1120	222.581	222.769	0.187
58	1140	222.506	222.767	0.261
59	1160	222.516	222.779	0.263
60	1180	222.587	222.808	0.222
61	1200	222.653	222.853	0.199
62	1220	222.664	222.912	0.248
63	1240	222.610	222.971	0.361
64	1260	222.556	223.013	0.457
65	1280	222.547	223.061	0.515
66	1300	222.606	223.130	0.524
67	1320	222.720	223.194	0.474
68	1340	222.862	223.235	0.372
69	1360	223.058	223.283	0.226
70	1380	223.271	223.358	0.087
71	1400	223.403	223.393	-0.010
72	1420	223.447	223.294	-0.152
73	1440	223.452	223.057	-0.395
74	1460	223.446	222.774	-0.672
75	1480	223.437	222.551	-0.886
76	1500	223.427	222.445	-0.982

77	1520	223.418	222.416	-1.002
78	1540	223.411	222.424	-0.987
79	1560	223.406	222.448	-0.958
80	1580	223.402	222.467	-0.935
81	1600	223.398	222.466	-0.932
82	1620	223.395	222.420	-0.975
83	1640	223.393	222.333	-1.059
84	1660	223.391	222.274	-1.117
		Avg Deposited		0.385
		Avg Eroded		-0.437

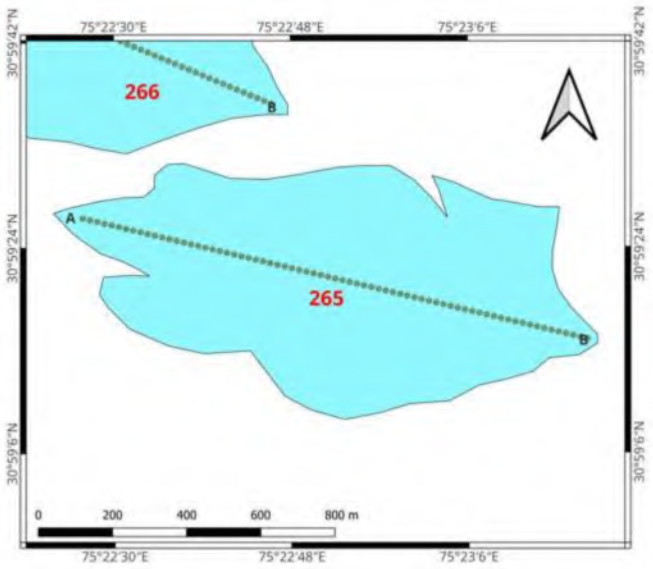
Site: 264

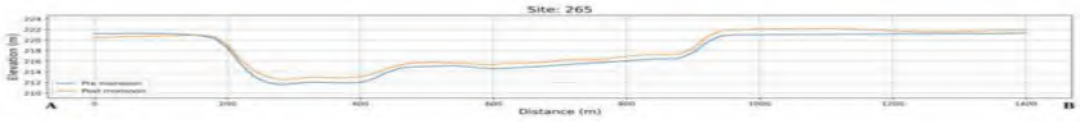




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.626	221.365	-0.260
2	20	221.524	221.430	-0.094
3	40	221.411	221.543	0.132
4	60	221.503	221.622	0.118
5	80	221.783	221.653	-0.129
6	100	221.760	221.684	-0.076
7	120	221.520	221.728	0.208
8	140	221.588	221.795	0.207
9	160	221.761	221.869	0.108
		Avg Deposited		0.155
		Avg Eroded		-0.140

Site: 265



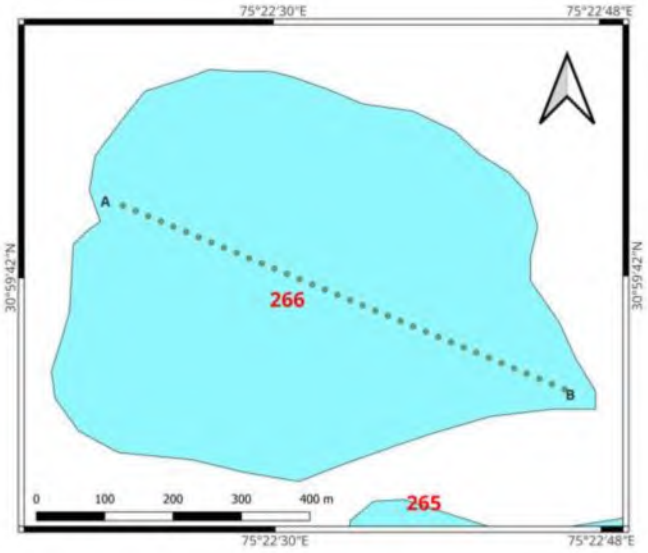


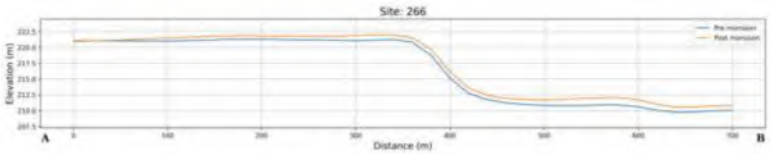
2516

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.214	220.456	-0.759
2	20	221.217	220.565	-0.651
3	40	221.240	220.662	-0.578
4	60	221.270	220.717	-0.553
5	80	221.265	220.749	-0.516
6	100	221.231	220.783	-0.449
7	120	221.171	220.828	-0.342
8	140	221.049	220.885	-0.163
9	160	220.846	220.931	0.086
10	180	220.360	220.665	0.305
11	200	218.615	219.133	0.517
12	220	215.528	216.329	0.800
13	240	213.129	214.169	1.040
14	260	211.988	213.067	1.079
15	280	211.565	212.502	0.936
16	300	211.797	212.644	0.847
17	320	212.056	212.992	0.936
18	340	212.057	213.005	0.948
19	360	211.985	212.882	0.897
20	380	211.928	212.903	0.976
21	400	212.033	213.075	1.041
22	420	212.734	213.665	0.930
23	440	213.952	214.652	0.700
24	460	214.727	215.350	0.623
25	480	214.947	215.690	0.743

26	500	215.034	215.839	0.805
27	520	215.118	215.809	0.691
28	540	215.163	215.732	0.569
29	560	215.029	215.584	0.555
30	580	214.751	215.395	0.645
31	600	214.631	215.384	0.753
32	620	214.698	215.549	0.852
33	640	214.828	215.693	0.865
34	660	214.979	215.755	0.777
35	680	215.136	215.899	0.764
36	700	215.294	216.181	0.886
37	720	215.455	216.351	0.897
38	740	215.616	216.354	0.739
39	760	215.777	216.395	0.618
40	780	215.938	216.607	0.669
41	800	216.099	216.906	0.807
42	820	216.265	217.156	0.892
43	840	216.423	217.289	0.866
44	860	216.467	217.236	0.768
45	880	216.576	217.359	0.783
46	900	217.649	218.513	0.863
47	920	219.554	220.489	0.935
48	940	220.715	221.661	0.946
49	960	220.981	221.925	0.944
50	980	221.012	222.049	1.037
51	1000	221.021	222.126	1.104
52	1020	221.032	222.131	1.099
53	1040	221.044	222.130	1.086
54	1060	221.057	222.142	1.086
55	1080	221.070	222.161	1.091
56	1100	221.083	222.173	1.287
57	1120	221.096	222.165	1.069
58	1140	221.110	222.112	1.001
59	1160	221.124	222.004	0.879
60	1180	221.139	221.871	0.732
61	1200	221.154	221.741	0.588
62	1220	221.169	221.630	0.461
63	1240	221.184	221.554	0.370
64	1260	221.199	221.523	0.324
65	1280	221.216	221.543	0.327
66	1300	221.232	221.602	0.370
67	1320	221.248	221.680	0.432
68	1340	221.261	221.757	0.496
69	1360	221.272	221.817	0.545
70	1380	221.304	221.859	0.555
71	1400	221.358	221.882	0.524
		Avg Deposited		0.771
		Avg Eroded		-0.501

Site: 266

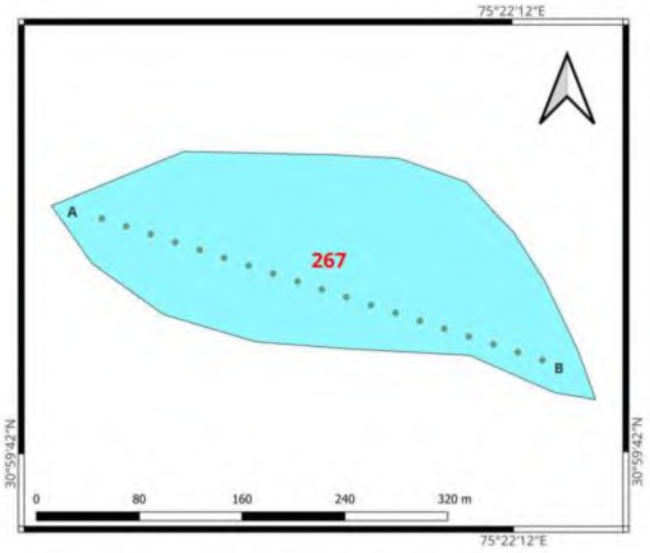


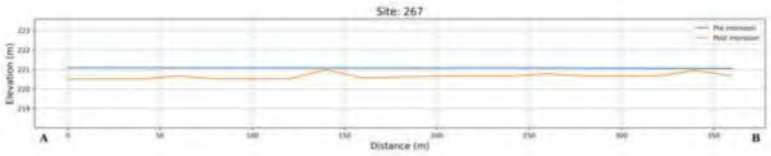


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.052	220.960	-0.092
2	20	221.046	221.016	-0.030
3	40	221.035	221.114	0.078
4	60	221.021	221.235	0.214
5	80	221.010	221.371	0.361
6	100	221.013	221.502	0.489
7	120	221.061	221.615	0.554
8	140	221.161	221.718	0.557
9	160	221.255	221.817	0.562
10	180	221.308	221.866	0.717
11	200	221.295	221.841	0.546
12	220	221.229	221.812	0.582
13	240	221.195	221.800	0.605
14	260	221.191	221.779	0.589
15	280	221.125	221.790	0.665
16	300	221.057	221.895	0.837
17	320	221.144	221.998	0.854
18	340	221.247	221.940	0.693
19	360	220.842	221.550	0.708
20	380	218.744	219.665	0.921
21	400	215.162	216.143	0.981
22	420	212.698	213.530	0.832
23	440	211.720	212.409	0.689
24	460	211.238	211.926	0.688

25	480	210.961	211.730	0.770
26	500	210.841	211.685	0.844
27	520	210.810	211.770	0.960
28	540	210.831	211.904	1.073
29	560	210.888	212.027	1.139
30	580	210.896	212.053	1.157
31	600	210.608	211.704	1.096
32	620	210.055	210.981	0.927
33	640	209.759	210.524	0.765
34	660	209.801	210.572	0.771
35	680	209.951	210.766	0.816
36	700	210.075	210.830	0.755
		Avg Deposited		0.725
		Avg Eroded		-0.061

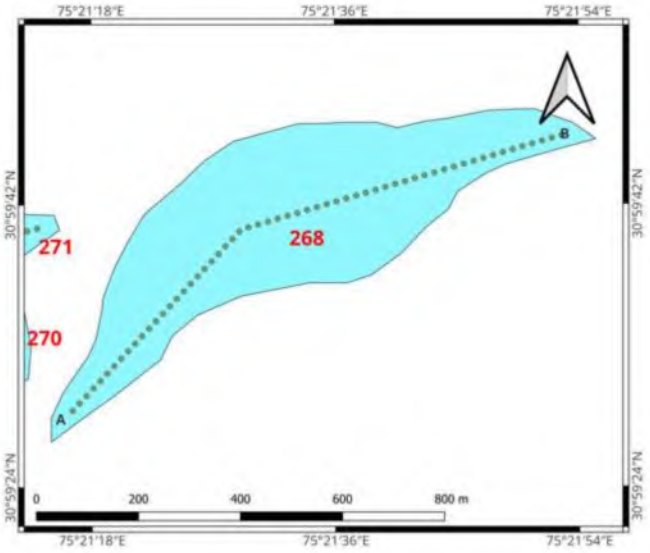
Site: 267

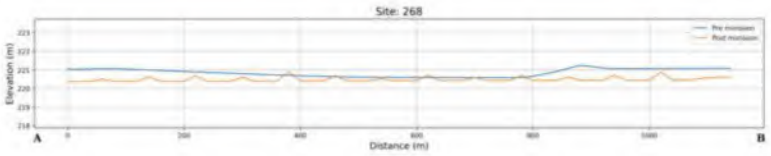




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.085	220.505	-0.580
2	20	221.084	220.506	-0.578
3	40	221.084	220.507	-0.576
4	60	221.083	220.668	-0.082
5	80	221.082	220.513	-0.570
6	100	221.082	220.515	-0.567
7	120	221.081	220.518	-0.563
8	140	221.080	220.992	-0.553
9	160	221.079	220.563	-0.516
10	180	221.078	220.620	-0.458
11	200	221.078	220.653	-0.425
12	220	221.079	220.660	-0.419
13	240	221.078	220.660	-0.418
14	260	221.076	220.775	-0
15	280	221.073	220.662	-0.411
16	300	221.068	220.663	-0.405
17	320	221.063	220.665	-0.398
18	340	221.058	220.959	-0.117
19	360	221.056	220.665	-0.391
		Avg Deposited		NA
		Avg Eroded		-0.485

Site: 268

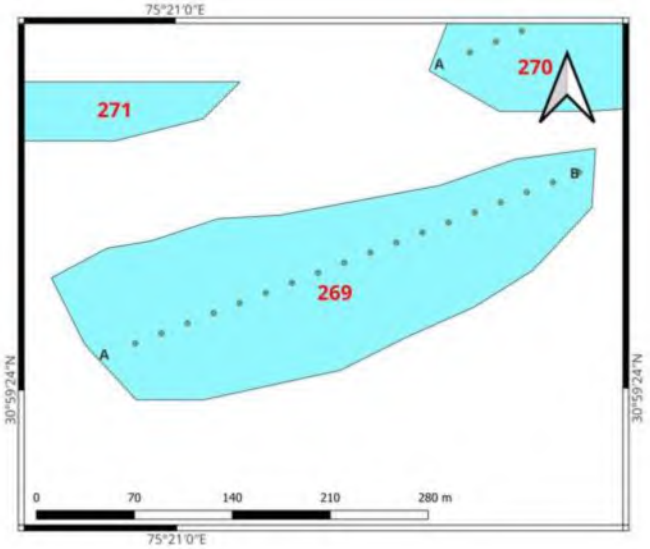


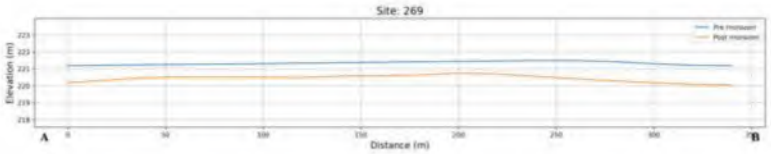


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.050	220.384	-0.666
2	20	221.038	220.384	-0.655
3	40	221.043	220.384	-0.659
4	60	221.065	220.513	-0.681
5	80	221.067	220.384	-0.683
6	100	221.047	220.384	-0.663
7	120	221.021	220.384	-0.637
8	140	220.995	220.647	-0.611
9	160	220.969	220.385	-0.584
10	180	220.944	220.385	-0.559
11	200	220.919	220.385	-0.534
12	220	220.894	220.700	-0.509
13	240	220.870	220.386	-0.484
14	260	220.846	220.386	-0.461
15	280	220.823	220.386	-0.437
16	300	220.800	220.616	-0.412
17	320	220.775	220.394	-0.381
18	340	220.750	220.404	-0.346
19	360	220.729	220.410	-0.319
20	380	220.710	220.903	-0.298
21	400	220.691	220.412	-0.278
22	420	220.672	220.413	-0.259
23	440	220.655	220.413	-0.241
24	460	220.638	220.700	-0.224

25	480	220.625	220.415	-0.210
26	500	220.615	220.416	-0.200
27	520	220.610	220.416	-0.194
28	540	220.607	220.524	-0.190
29	560	220.605	220.419	0.310
30	580	220.604	220.420	-0.184
31	600	220.602	220.421	-0.181
32	620	220.600	220.716	-0.178
33	640	220.596	220.423	0.246
34	660	220.592	220.425	-0.168
35	680	220.590	220.426	-0.164
36	700	220.588	220.600	-0.160
37	720	220.586	220.429	0.233
38	740	220.585	220.430	-0.155
39	760	220.585	220.431	-0.153
40	780	220.597	220.698	-0.164
41	800	220.663	220.434	-0.229
42	820	220.786	220.436	-0.350
43	840	220.910	220.438	-0.472
44	860	221.082	220.618	-0.643
45	880	221.237	220.441	-0.796
46	900	221.192	220.443	-0.749
47	920	221.099	220.445	-0.655
48	940	221.074	220.714	-0.628
49	960	221.072	220.448	-0.624
50	980	221.073	220.450	-0.623
51	1000	221.074	220.452	-0.223
52	1020	221.075	220.883	-0.621
53	1040	221.077	220.456	-0.621
54	1060	221.082	220.467	-0.615
55	1080	221.086	220.508	-0.577
56	1100	221.087	220.574	-0.513
57	1120	221.088	220.614	-0.474
58	1140	221.089	220.624	-0.465
		Avg Deposited		NA
		Avg Eroded		-0.425

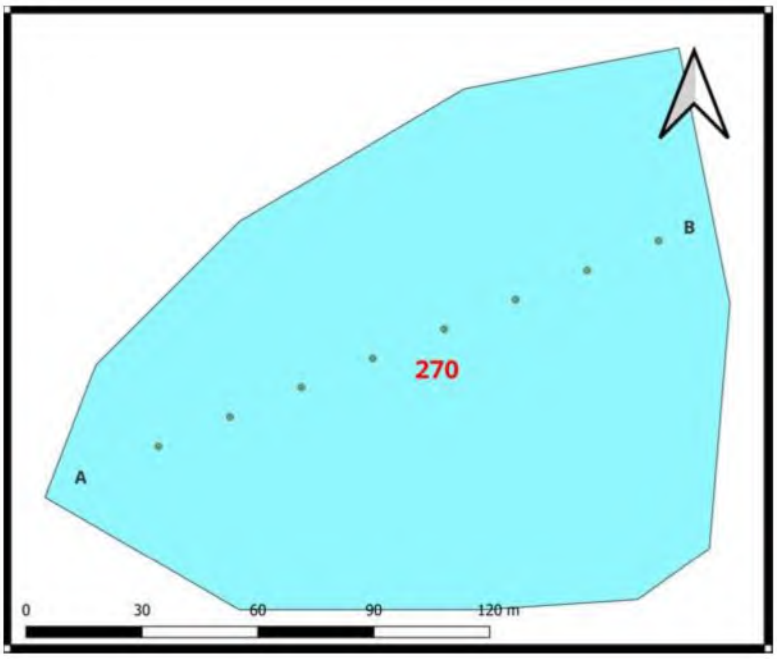
Site: 269

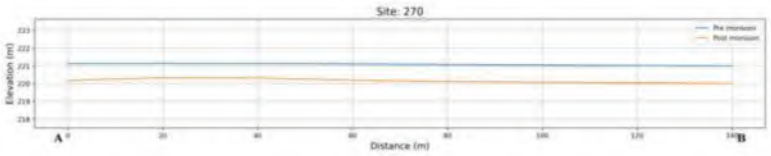




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.181	220.175	-1.005
2	20	221.211	220.332	-0.880
3	40	221.240	220.479	-0.761
4	60	221.259	220.509	-0.750
5	80	221.279	220.527	-0.752
6	100	221.306	220.497	-0.809
7	120	221.335	220.484	-0.851
8	140	221.362	220.561	-0.801
9	160	221.390	220.593	-0.797
10	180	221.416	220.640	-0.776
11	200	221.439	220.737	-0.703
12	220	221.462	220.695	-0.767
13	240	221.482	220.548	-0.935
14	260	221.484	220.408	-1.077
15	280	221.422	220.288	-1.133
16	300	221.298	220.164	-1.134
17	320	221.210	220.081	-1.129
18	340	221.180	220.041	-1.139
		Avg Deposited		NA
		Avg Eroded		-0.900

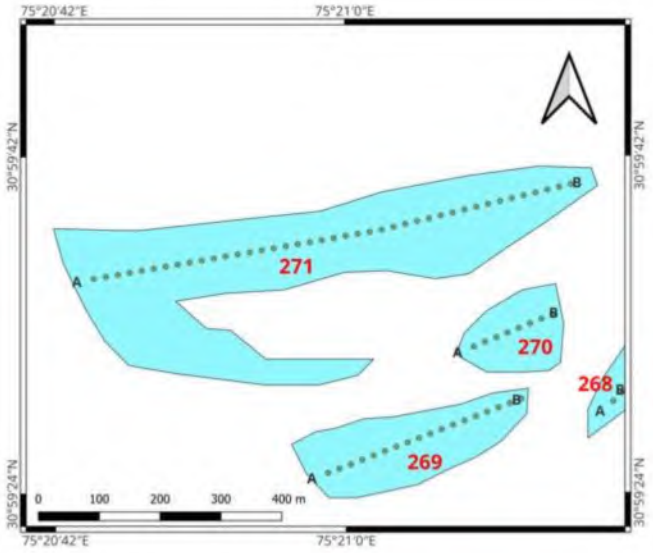
Site: 270

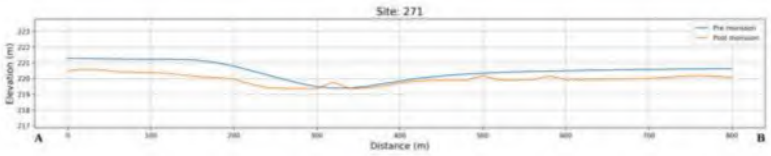




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.128	220.182	-0.946
2	20	221.139	220.328	-0.811
3	40	221.133	220.313	-0.820
4	60	221.111	220.197	-0.913
5	80	221.080	220.118	-0.962
6	100	221.047	220.086	-0.961
7	120	221.020	220.042	-0.977
8	140	221.006	220.004	-1.002
		Avg Deposited		NA
		Avg Eroded		-0.924

Site: 271

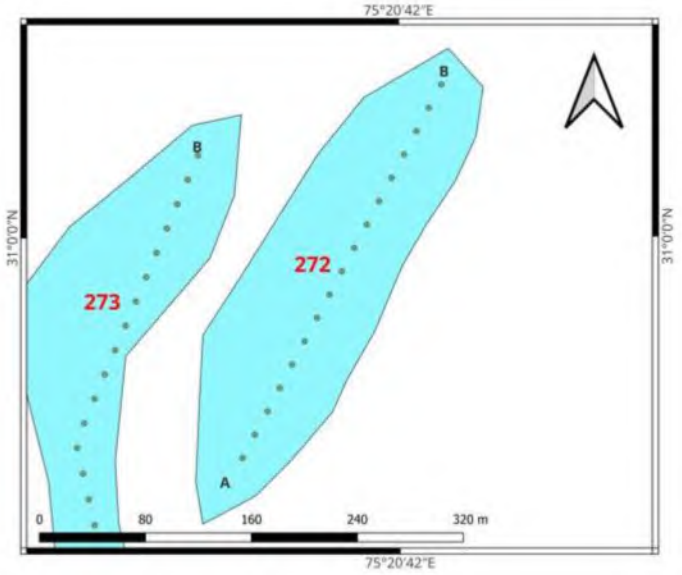


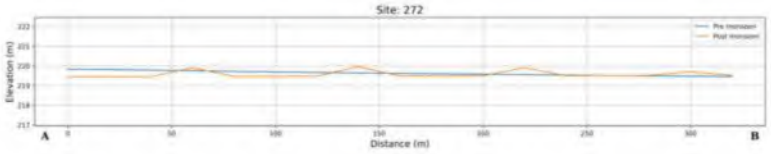


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	221.281	220.480	-0.800
2	20	221.271	220.602	-0.669
3	40	221.255	220.554	-0.701
4	60	221.242	220.427	-0.816
5	80	221.232	220.401	-0.831
6	100	221.225	220.373	-0.852
7	120	221.226	220.332	-0.894
8	140	221.212	220.219	-0.993
9	160	221.141	220.103	-1.038
10	180	221.002	220.055	-0.947
11	200	220.791	219.960	-0.831
12	220	220.512	219.654	-0.858
13	240	220.236	219.419	-0.817
14	260	219.952	219.362	-0.590
15	280	219.682	219.358	-0.324
16	300	219.485	219.359	-0.126
17	320	219.383	219.759	-0.022
18	340	219.392	219.364	-0.028
19	360	219.502	219.391	-0.111
20	380	219.665	219.511	-0.154
21	400	219.831	219.709	-0.123
22	420	219.986	219.832	-0.154
23	440	220.114	219.865	-0.249
24	460	220.208	219.874	-0.333

25	480	220.280	219.882	-0.398
26	500	220.336	220.190	-0.448
27	520	220.383	219.896	-0.487
28	540	220.420	219.903	-0.516
29	560	220.446	219.911	-0.535
30	580	220.464	220.167	-0.546
31	600	220.489	219.925	-0.564
32	620	220.517	219.932	-0.585
33	640	220.537	219.941	-0.596
34	660	220.553	219.954	-0.599
35	680	220.566	219.971	-0.595
36	700	220.579	219.997	-0.581
37	720	220.589	220.059	-0.531
38	740	220.599	220.144	-0.456
39	760	220.608	220.179	-0.429
40	780	220.615	220.137	-0.478
41	800	220.618	220.073	-0.545
		Avg Deposited		NA
		Avg Eroded		-0.540

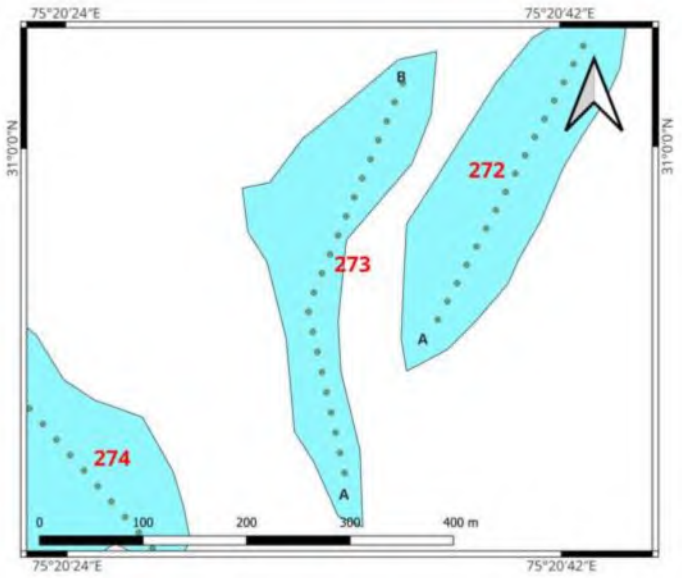
Site: 272

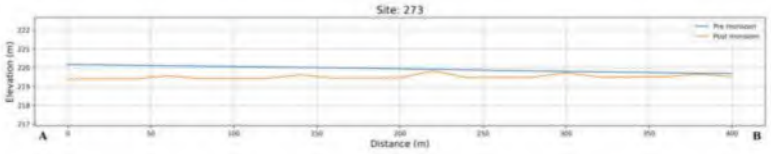




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.829	219.445	-0.384
2	20	219.809	219.448	-0.361
3	40	219.780	219.453	-0.328
4	60	219.749	219.899	-0.291
5	80	219.718	219.463	-0.255
6	100	219.689	219.468	-0.222
7	120	219.663	219.473	-0.190
8	140	219.637	219.956	-0.159
9	160	219.614	219.483	-0.131
10	180	219.594	219.488	-0.106
11	200	219.575	219.492	-0.083
12	220	219.552	219.906	-0.056
13	240	219.529	219.501	-0.028
14	260	219.507	219.505	-0.001
15	280	219.487	219.509	0.022
16	300	219.470	219.700	0.043
17	320	219.458	219.515	0.057
		Avg Deposited		0.041
		Avg Eroded		-0.185

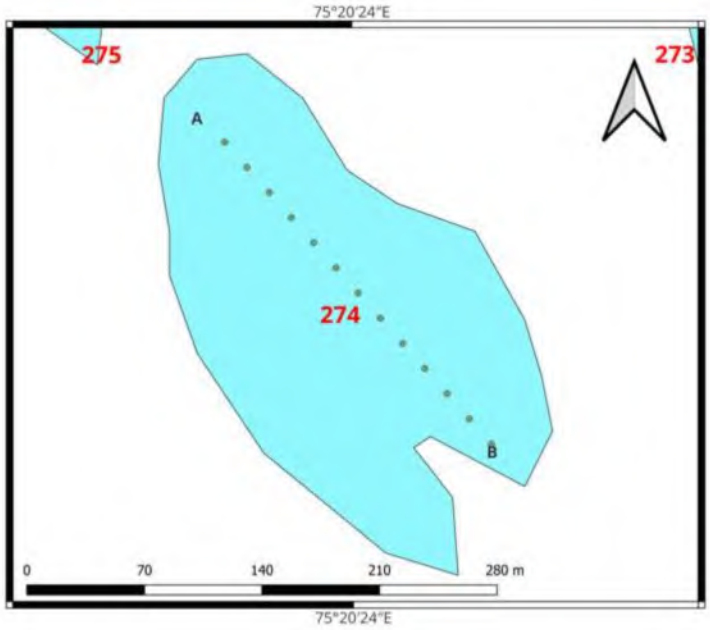
Site: 273

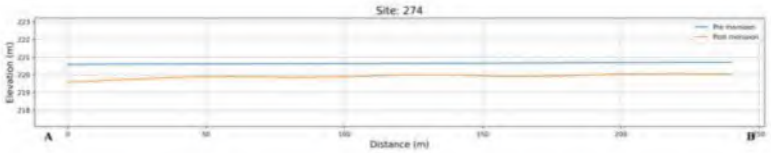




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.165	219.399	-0.766
2	20	220.148	219.403	-0.745
3	40	220.124	219.408	-0.716
4	60	220.100	219.555	-0.687
5	80	220.077	219.419	-0.658
6	100	220.056	219.425	-0.631
7	120	220.034	219.430	-0.604
8	140	220.012	219.615	-0.576
9	160	219.990	219.443	-0.547
10	180	219.967	219.450	-0.517
11	200	219.939	219.458	-0.482
12	220	219.909	219.827	-0.444
13	240	219.881	219.472	-0.409
14	260	219.852	219.479	-0.373
15	280	219.822	219.484	-0.338
16	300	219.795	219.727	-0.305
17	320	219.772	219.497	-0.275
18	340	219.750	219.503	-0.247
19	360	219.726	219.510	-0.217
20	380	219.702	219.654	-0.186
21	400	219.686	219.520	-0.166
		Avg Deposited		NA
		Avg Eroded		-0.471

Site: 274

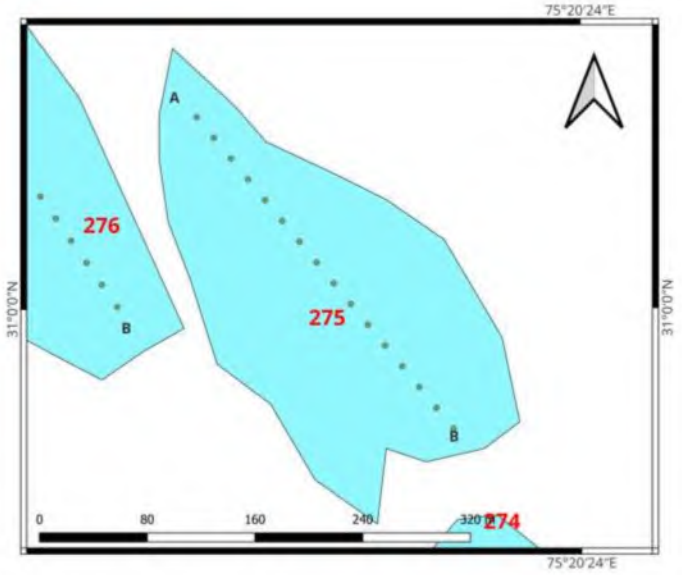


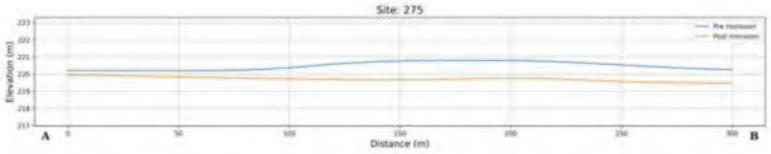


2529

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.595	219.569	-1.026
2	20	220.602	219.728	-0.874
3	40	220.610	219.863	-0.747
4	60	220.619	219.907	-0.711
5	80	220.628	219.858	-0.770
6	100	220.637	219.883	-0.754
7	120	220.646	219.988	-0.658
8	140	220.657	219.988	-0.668
9	160	220.667	219.902	-0.765
10	180	220.677	219.943	-0.734
11	200	220.689	220.049	-0.640
12	220	220.701	220.071	-0.630
13	240	220.709	220.037	-0.673
		Avg Deposited		NA
		Avg Eroded		-0.742

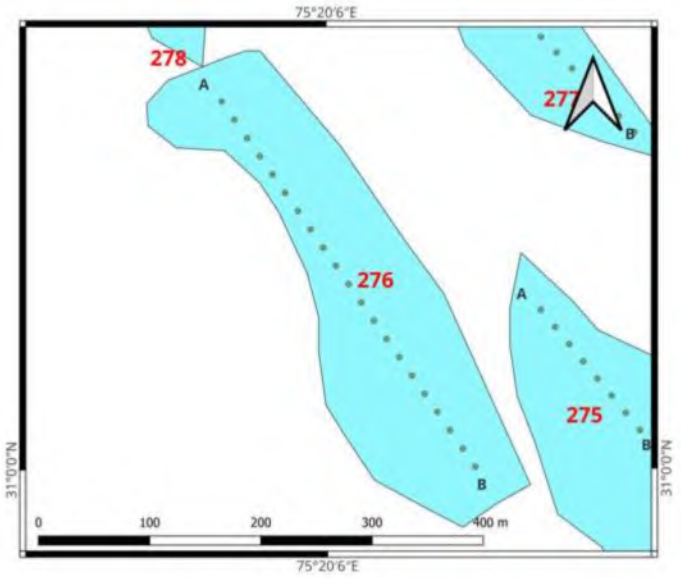
Site: 275

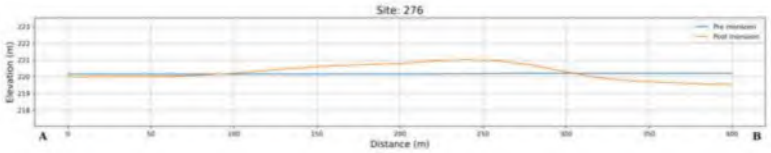




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.200	219.942	-0.258
2	20	220.200	219.912	-0.288
3	40	220.199	219.863	-0.337
4	60	220.201	219.808	-0.393
5	80	220.230	219.758	-0.471
6	100	220.361	219.716	-0.645
7	120	220.582	219.677	-0.905
8	140	220.729	219.651	-1.078
9	160	220.779	219.665	-1.114
10	180	220.795	219.718	-1.078
11	200	220.791	219.754	-1.036
12	220	220.729	219.722	-1.007
13	240	220.604	219.607	-0.997
14	260	220.462	219.517	-0.946
15	280	220.328	219.486	-0.843
16	300	220.258	219.475	-0.783
		Avg Deposited		NA
		Avg Eroded		-0.761

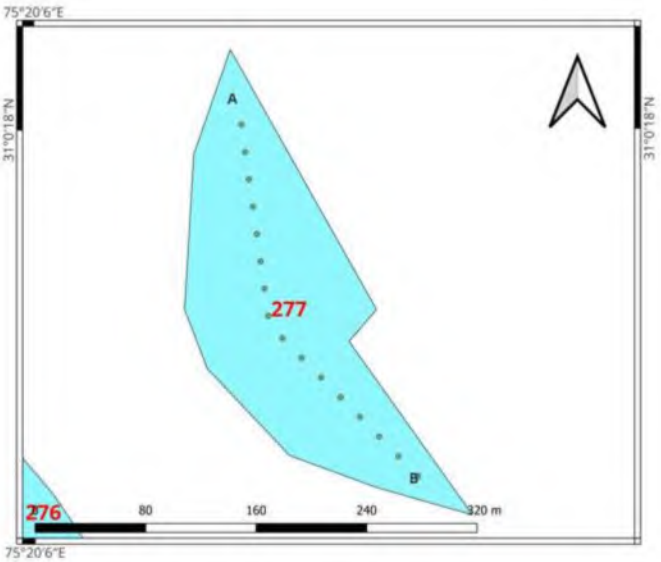
Site: 276

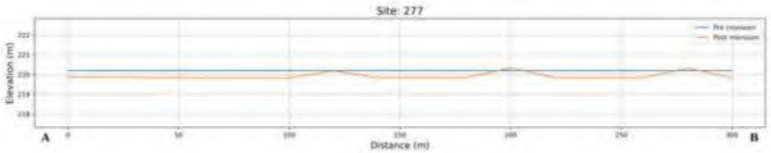




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.146	219.986	-0.160
2	20	220.147	219.996	-0.151
3	40	220.148	220.010	-0.139
4	60	220.150	220.030	-0.120
5	80	220.151	220.082	-0.069
6	100	220.153	220.202	0.049
7	120	220.154	220.373	0.218
8	140	220.155	220.534	0.379
9	160	220.156	220.656	0.500
10	180	220.157	220.725	0.568
11	200	220.158	220.793	0.635
12	220	220.162	220.933	0.771
13	240	220.174	221.023	0.849
14	260	220.193	220.935	0.742
15	280	220.204	220.694	0.490
16	300	220.206	220.287	0.081
17	320	220.206	219.936	-0.270
18	340	220.206	219.749	-0.457
19	360	220.206	219.648	-0.557
20	380	220.205	219.578	-0.627
21	400	220.205	219.534	-0.671
		Avg Deposited		0.480
		Avg Eroded		-0.322

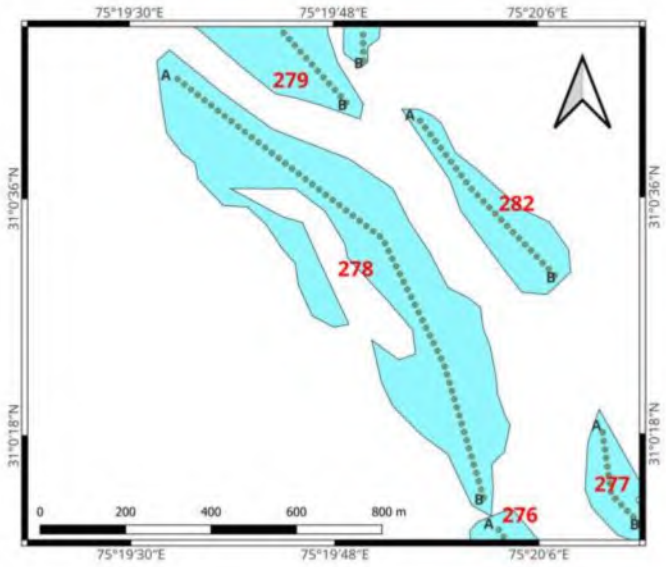
Site: 277

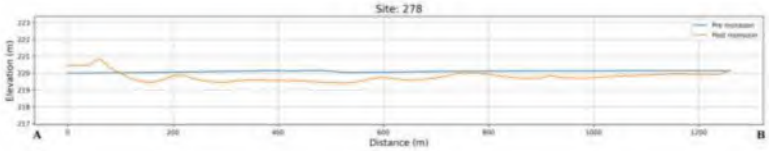




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.190	219.890	-0.301
2	20	220.191	219.860	-0.331
3	40	220.191	219.836	-0.356
4	60	220.192	219.825	-0.367
5	80	220.193	219.819	-0.374
6	100	220.193	219.820	-0.373
7	120	220.194	220.184	0.066
8	140	220.194	219.832	-0.362
9	160	220.194	219.835	-0.359
10	180	220.193	219.835	-0.358
11	200	220.192	220.334	-0.102
12	220	220.192	219.835	-0.357
13	240	220.191	219.836	-0.355
14	260	220.190	219.835	-0.355
15	280	220.189	220.317	-0.091
16	300	220.189	219.827	-0.362
		Avg Deposited		NA
		Avg Eroded		-0.356

Site: 278



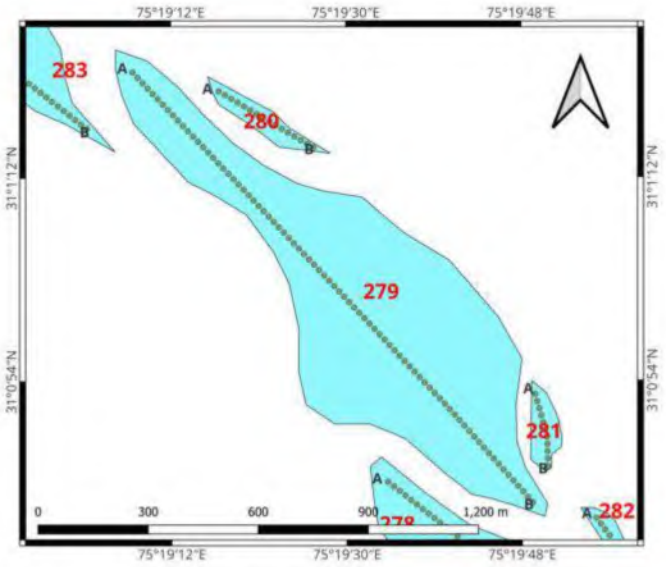


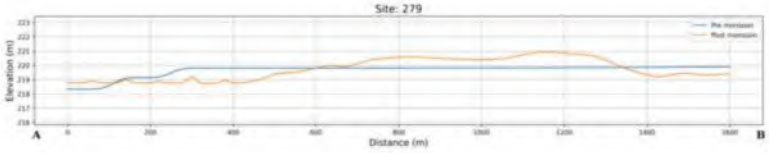
2533

SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.002	220.437	0.435
2	20	220.006	220.441	0.435
3	40	220.011	220.451	0.441
4	60	220.015	220.872	0.427
5	80	220.019	220.307	0.288
6	100	220.024	220	-0.024
7	120	220.031	219.683	-0.349
8	140	220.038	219.499	-0.538
9	160	220.043	219.450	-0.594
10	180	220.051	219.589	-0.462
11	200	220.059	219.851	-0.208
12	220	220.067	219.879	-0.188
13	240	220.074	219.670	-0.404
14	260	220.082	219.530	-0.553
15	280	220.093	219.473	-0.620
16	300	220.102	219.458	-0.644
17	320	220.111	219.529	-0.582
18	340	220.120	219.588	-0.532
19	360	220.131	219.591	-0.540
20	380	220.141	219.579	-0.562
21	400	220.139	219.567	-0.572
22	420	220.128	219.554	-0.574
23	440	220.130	219.536	-0.594

24	460	220.145	219.503	-0.642
25	480	220.153	219.464	-0.690
26	500	220.121	219.440	-0.681
27	520	220.058	219.422	-0.636
28	540	220.034	219.436	-0.598
29	560	220.046	219.533	-0.513
30	580	220.052	219.680	-0.372
31	600	220.054	219.741	-0.312
32	620	220.061	219.675	-0.386
33	640	220.071	219.589	-0.482
34	660	220.081	219.576	-0.504
35	680	220.089	219.640	-0.449
36	700	220.096	219.714	-0.382
37	720	220.102	219.826	-0.276
38	740	220.105	219.965	-0.140
39	760	220.108	220.017	-0.090
40	780	220.110	219.985	-0.126
41	800	220.113	219.927	-0.186
42	820	220.117	219.842	-0.274
43	840	220.120	219.753	-0.366
44	860	220.123	219.711	-0.411
45	880	220.125	219.707	-0.418
46	900	220.127	219.711	-0.415
47	920	220.128	219.862	-0.095
48	940	220.129	219.718	-0.411
49	960	220.131	219.713	-0.418
50	980	220.132	219.706	-0.426
51	1000	220.133	219.725	-0.408
52	1020	220.134	219.770	-0.364
53	1040	220.135	219.809	-0.326
54	1060	220.135	219.839	-0.296
55	1080	220.136	219.865	-0.271
56	1100	220.136	219.887	-0.250
57	1120	220.137	219.911	-0.226
58	1140	220.138	219.935	-0.203
59	1160	220.139	219.945	-0.194
60	1180	220.140	219.932	-0.207
61	1200	220.140	219.918	-0.222
62	1220	220.141	219.916	-0.225
63	1240	220.141	219.920	-0.221
64	1260	220.141	220.192	0.204
		Avg Deposited		0.405
		Avg Eroded		-0.393

Site: 279



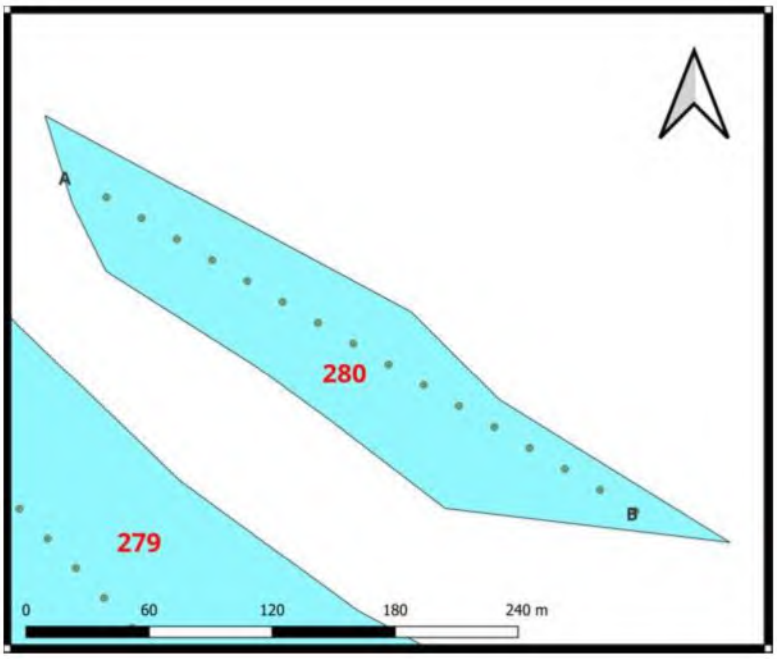


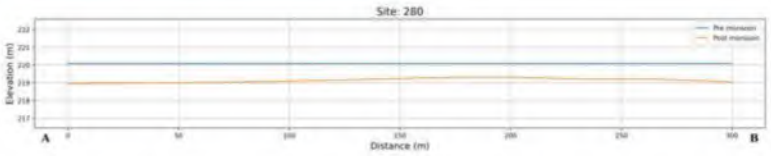
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	218.333	218.776	0.443
2	20	218.331	218.776	0.446
3	40	218.327	218.775	0.448
4	60	218.327	218.913	0.835
5	80	218.367	218.773	0.406
6	100	218.560	218.772	0.212
7	120	218.887	218.771	-0.116
8	140	219.093	219.001	-0.324
9	160	219.145	218.767	-0.378
10	180	219.148	218.765	-0.383
11	200	219.142	218.762	-0.379
12	220	219.173	218.886	-0.412
13	240	219.338	218.760	-0.579
14	260	219.606	218.758	-0.848
15	280	219.766	218.755	-1.011
16	300	219.801	219.227	-1.050
17	320	219.805	218.747	-1.058
18	340	219.805	218.744	-1.062
19	360	219.805	218.741	-0.776
20	380	219.805	218.971	-1.064
21	400	219.805	218.752	-1.053
22	420	219.806	218.785	-1.020
23	440	219.806	218.851	-0.955

24	460	219.807	218.962	-0.845
25	480	219.807	219.161	-0.647
26	500	219.808	219.384	-0.424
27	520	219.808	219.459	-0.349
28	540	219.808	219.487	-0.321
29	560	219.808	219.567	-0.241
30	580	219.808	219.670	-0.138
31	600	219.809	219.809	0
32	620	219.809	219.943	0.134
33	640	219.810	219.979	0.169
34	660	219.811	219.927	0.116
35	680	219.811	219.934	0.123
36	700	219.811	220.088	0.277
37	720	219.812	220.285	0.473
38	740	219.813	220.412	0.599
39	760	219.813	220.470	0.656
40	780	219.814	220.511	0.697
41	800	219.814	220.564	0.750
42	820	219.815	220.595	0.781
43	840	219.815	220.585	0.770
44	860	219.816	220.552	0.736
45	880	219.816	220.521	0.704
46	900	219.817	220.496	0.678
47	920	219.818	220.470	0.652
48	940	219.819	220.446	0.627
49	960	219.820	220.421	0.601
50	980	219.821	220.402	0.581
51	1000	219.822	220.397	0.575
52	1020	219.823	220.408	0.585
53	1040	219.823	220.441	0.617
54	1060	219.824	220.506	0.682
55	1080	219.825	220.614	0.789
56	1100	219.826	220.741	0.915
57	1120	219.828	220.850	1.022
58	1140	219.829	220.918	1.089
59	1160	219.831	220.930	1.100
60	1180	219.832	220.901	1.068
61	1200	219.834	220.861	1.027
62	1220	219.835	220.819	0.984
63	1240	219.836	220.769	0.933
64	1260	219.837	220.699	0.862
65	1280	219.839	220.593	0.754
66	1300	219.841	220.397	0.556
67	1320	219.844	220.114	0.270
68	1340	219.846	219.865	0.019
69	1360	219.849	219.672	-0.177
70	1380	219.852	219.489	-0.363
71	1400	219.855	219.326	-0.529
72	1420	219.859	219.205	-0.654
73	1440	219.862	219.205	-0.657
74	1460	219.866	219.341	-0.525
75	1480	219.871	219.436	-0.435

76	1500	219.875	219.436	-0.439
77	1520	219.881	219.385	-0.496
78	1540	219.887	219.328	-0.559
79	1560	219.893	219.326	-0.567
80	1580	219.899	219.368	-0.532
81	1600	219.905	219.405	-0.501
		Avg Deposited		0.599
		Avg Eroded		-0.599

Site: 280

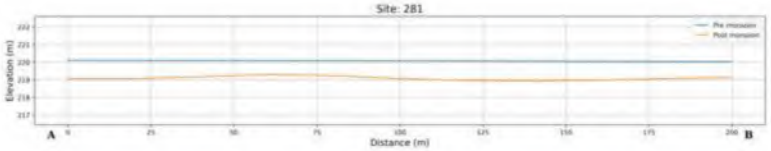




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.075	218.950	-1.125
2	20	220.075	218.964	-1.111
3	40	220.076	218.987	-1.089
4	60	220.077	219.017	-1.060
5	80	220.077	219.052	-1.026
6	100	220.079	219.090	-0.988
7	120	220.080	219.140	-0.939
8	140	220.081	219.203	-0.878
9	160	220.082	219.267	-0.815
10	180	220.083	219.319	-0.764
11	200	220.084	219.321	-0.763
12	220	220.085	219.245	-0.840
13	240	220.086	219.198	-0.888
14	260	220.088	219.212	-0.876
15	280	220.089	219.138	-0.951
16	300	220.089	219.044	-1.046
		Avg Deposited		NA
		Avg Eroded		-0.947

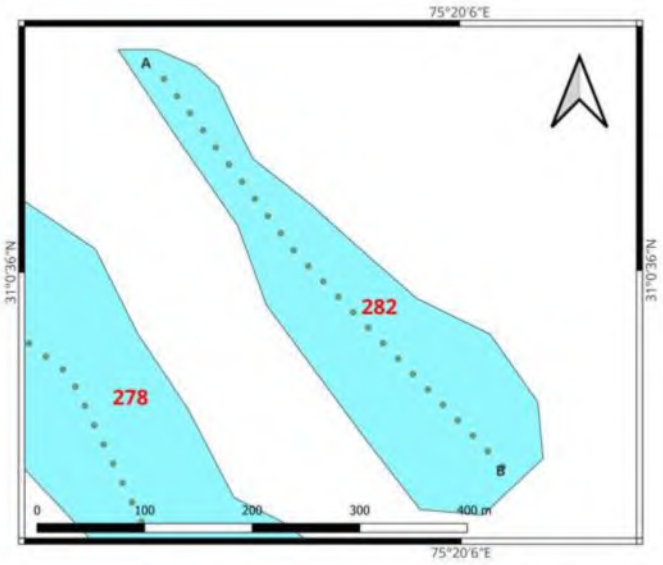
Site: 281

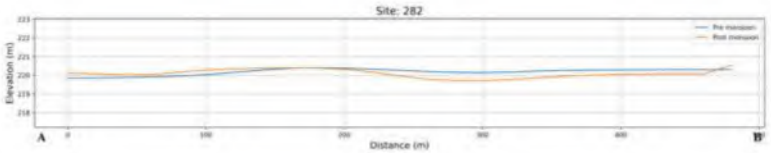




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.104	219.055	-1.048
2	20	220.100	219.059	-1.042
3	40	220.095	219.171	-0.924
4	60	220.090	219.292	-0.797
5	80	220.084	219.235	-0.850
6	100	220.078	219.063	-1.016
7	120	220.070	218.961	-1.109
8	140	220.060	218.939	-1.120
9	160	220.048	218.980	-1.069
10	180	220.037	219.061	-0.976
11	200	220.030	219.131	-0.899
		Avg Deposited		NA
		Avg Eroded		-0.986

Site: 282

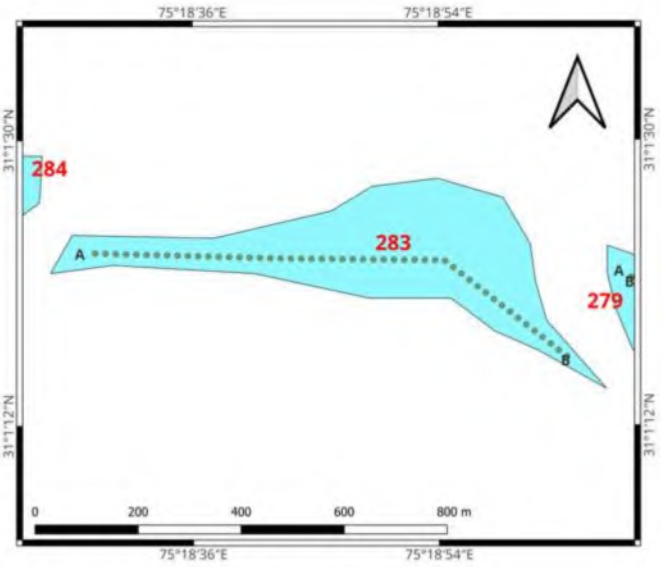


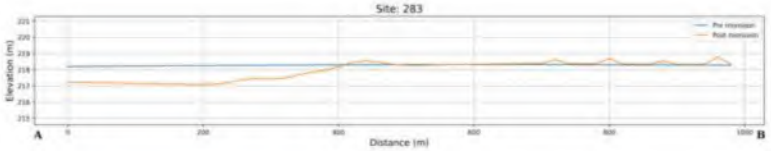


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.847	220.105	0.258
2	20	219.857	220.075	0.218
3	40	219.878	220.016	0.139
4	60	219.909	220.026	0.117
5	80	219.951	220.161	0.210
6	100	220.029	220.281	0.252
7	120	220.154	220.341	0.187
8	140	220.276	220.377	0.101
9	160	220.370	220.395	0.025
10	180	220.403	220.384	-0.020
11	200	220.376	220.325	-0.050
12	220	220.327	220.176	-0.151
13	240	220.267	219.958	-0.310
14	260	220.201	219.793	-0.408
15	280	220.156	219.718	-0.438
16	300	220.141	219.708	-0.433
17	320	220.167	219.765	-0.401
18	340	220.226	219.863	-0.362
19	360	220.267	219.946	-0.321
20	380	220.280	220.001	-0.279
21	400	220.285	220.041	-0.244
22	420	220.290	220.064	-0.226
23	440	220.294	220.071	-0.223
24	460	220.297	220.069	-0.228

25	480	220.299	220.543	0.154
		Avg Deposited		0.167
		Avg Eroded		-0.270

Site: 283

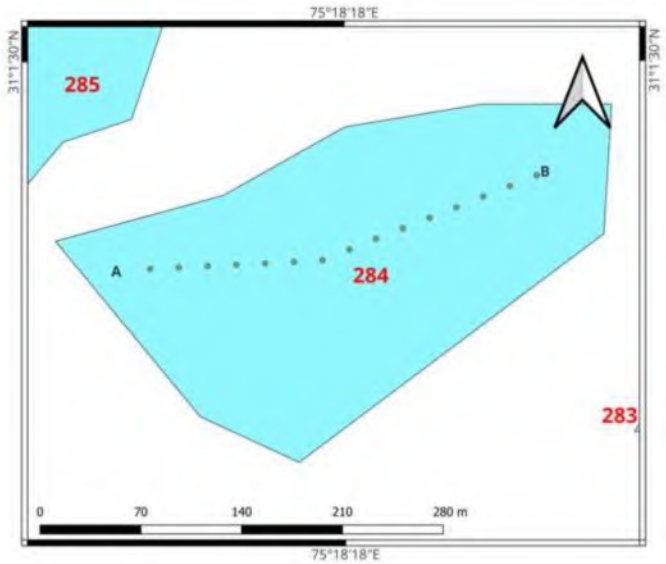


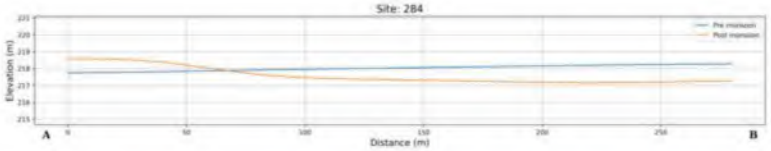


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	218.190	217.222	-0.968
2	20	218.196	217.211	-0.985
3	40	218.204	217.195	-1.009
4	60	218.210	217.179	-1.031
5	80	218.214	217.164	-1.050
6	100	218.219	217.149	-1.070
7	120	218.226	217.135	-1.091
8	140	218.232	217.121	-1.111
9	160	218.238	217.108	-1.130
10	180	218.244	217.096	-1.148
11	200	218.249	217.087	-1.162
12	220	218.254	217.107	-1.148
13	240	218.259	217.226	-1.033
14	260	218.264	217.390	-0.874
15	280	218.268	217.436	-0.832
16	300	218.272	217.418	-0.854
17	320	218.276	217.471	-0.805
18	340	218.280	217.670	-0.610
19	360	218.283	217.840	-0.443
20	380	218.287	217.955	-0.332
21	400	218.290	218.163	-0.127
22	420	218.293	218.436	0.143
23	440	218.296	218.548	0.252

24	460	218.299	218.460	0.161
25	480	218.302	218.323	0.021
26	500	218.304	218.258	-0.046
27	520	218.307	218.261	-0.045
28	540	218.309	218.286	-0.023
29	560	218.310	218.305	-0.005
30	580	218.310	218.317	0.007
31	600	218.311	218.328	0.016
32	620	218.313	218.338	0.025
33	640	218.315	218.349	0.375
34	660	218.317	218.360	0.043
35	680	218.317	218.368	0.051
36	700	218.316	218.371	0.055
37	720	218.313	218.619	0.207
38	740	218.309	218.363	0.054
39	760	218.305	218.360	0.056
40	780	218.301	218.357	0.056
41	800	218.298	218.677	0.537
42	820	218.295	218.346	0.051
43	840	218.291	218.340	0.050
44	860	218.288	218.337	0.049
45	880	218.285	218.546	0.179
46	900	218.282	218.326	0.044
47	920	218.278	218.320	0.042
48	940	218.275	218.316	0.041
49	960	218.273	218.790	0.318
50	980	218.272	218.312	0.040
		Avg Deposited		0.060
		Avg Eroded		-0.757

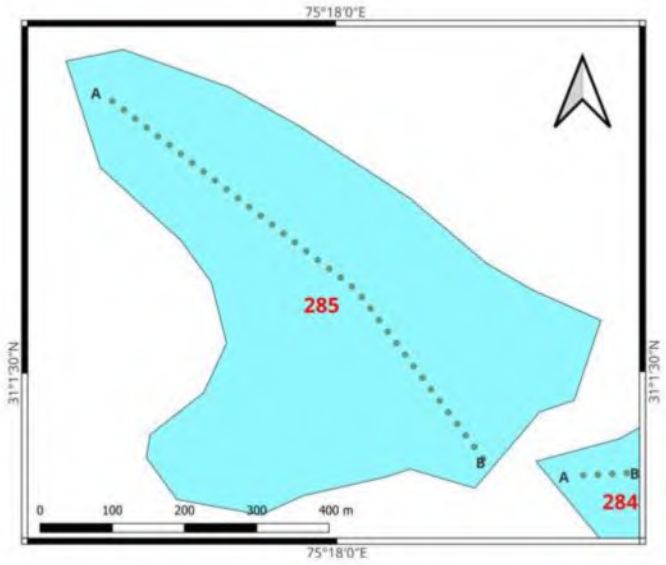
Site: 284

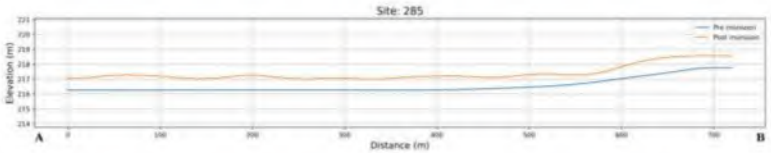




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	217.742	218.592	0.850
2	20	217.770	218.561	0.790
3	40	217.813	218.388	0.574
4	60	217.861	218.016	0.155
5	80	217.910	217.645	-0.265
6	100	217.957	217.450	-0.507
7	120	217.997	217.377	-0.620
8	140	218.034	217.330	-0.704
9	160	218.074	217.279	-0.796
10	180	218.119	217.230	-0.888
11	200	218.159	217.191	-0.968
12	220	218.193	217.160	-1.033
13	240	218.226	217.174	-1.052
14	260	218.256	217.229	-1.028
15	280	218.276	217.255	-1.021
		Avg Deposited		0.593
		Avg Eroded		-0.808

Site: 285

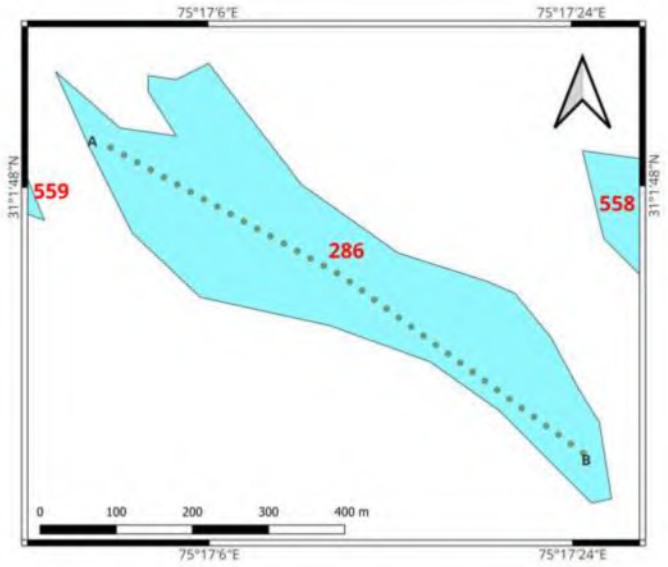


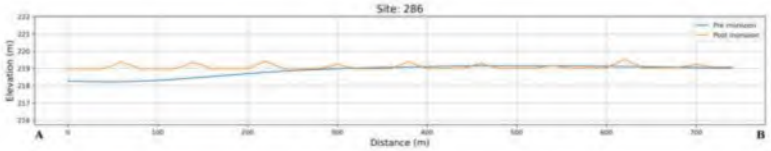


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	216.255	217.063	0.808
2	20	216.255	217.081	0.827
3	40	216.255	217.210	0.955
4	60	216.257	217.277	1.020
5	80	216.258	217.253	0.995
6	100	216.259	217.195	0.936
7	120	216.261	217.086	0.826
8	140	216.263	217.014	0.752
9	160	216.265	217.049	0.784
10	180	216.266	217.196	0.930
11	200	216.267	217.264	0.997
12	220	216.270	217.169	0.899
13	240	216.274	217.045	0.770
14	260	216.277	217.006	0.730
15	280	216.276	217.066	0.790
16	300	216.269	217.060	0.790
17	320	216.257	217.003	0.746
18	340	216.251	217.004	0.753
19	360	216.253	217.104	0.851
20	380	216.259	217.168	0.909
21	400	216.271	217.193	0.922
22	420	216.290	217.213	0.923
23	440	216.318	217.149	0.832
24	460	216.356	217.106	0.750

25	480	216.404	217.166	0.763
26	500	216.457	217.301	0.845
27	520	216.512	217.356	0.844
28	540	216.594	217.293	0.699
29	560	216.713	217.271	0.558
30	580	216.860	217.460	0.600
31	600	217.029	217.830	0.800
32	620	217.189	218.173	0.984
33	640	217.338	218.393	1.055
34	660	217.519	218.521	1.002
35	680	217.701	218.574	0.873
36	700	217.768	218.577	0.809
37	720	217.763	218.567	0.804
		Avg Deposited		0.841
		Avg Eroded		NA

Site: 286

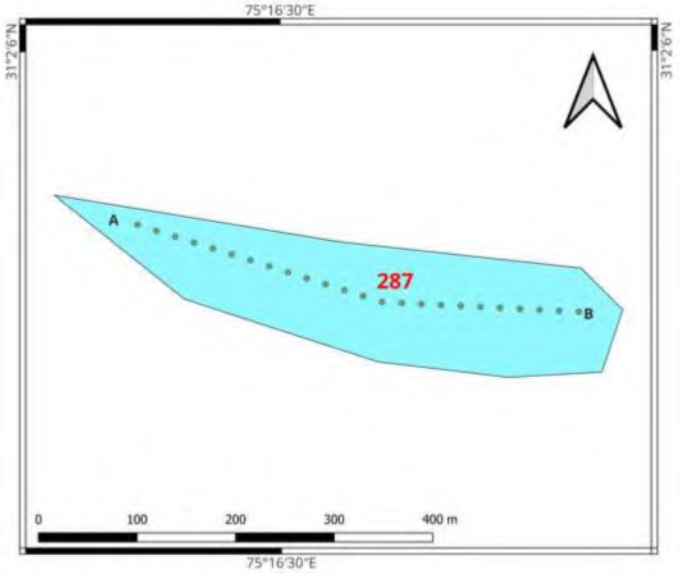


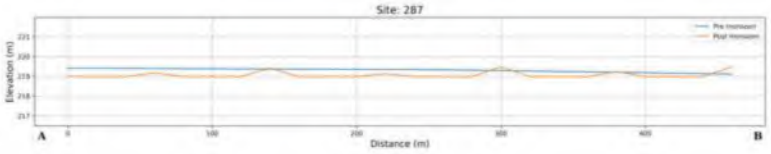


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	218.254	218.978	0.723
2	20	218.238	218.978	0.740
3	40	218.224	218.978	0.754
4	60	218.228	219.373	0.750
5	80	218.253	218.978	0.725
6	100	218.300	218.978	0.678
7	120	218.367	218.978	0.611
8	140	218.444	219.353	0.533
9	160	218.526	218.978	0.452
10	180	218.611	218.978	0.367
11	200	218.694	218.979	0.284
12	220	218.770	219.422	0.209
13	240	218.836	218.979	0.144
14	260	218.892	218.980	0.088
15	280	218.938	218.981	0.042
16	300	218.978	219.222	0.003
17	320	219.012	218.982	-0.030
18	340	219.037	218.983	-0.054
19	360	219.058	218.985	-0.073
20	380	219.077	219.377	-0.091
21	400	219.098	218.989	-0.109
22	420	219.121	218.991	-0.130
23	440	219.138	218.994	-0.144

24	460	219.143	219.285	-0.147
25	480	219.143	219	-0.143
26	500	219.138	219.004	0.084
27	520	219.137	219.008	-0.129
28	540	219.144	219.161	-0.132
29	560	219.145	219.017	-0.128
30	580	219.136	219.022	-0.115
31	600	219.122	219.028	-0.094
32	620	219.108	219.514	-0.073
33	640	219.100	219.042	-0.057
34	660	219.084	219.049	-0.035
35	680	219.064	219.056	-0.008
36	700	219.044	219.226	0.019
37	720	219.029	219.070	0.042
38	740	219.025	219.075	0.050
		Avg Deposited		0.380
		Avg Eroded		-0.096

Site: 287

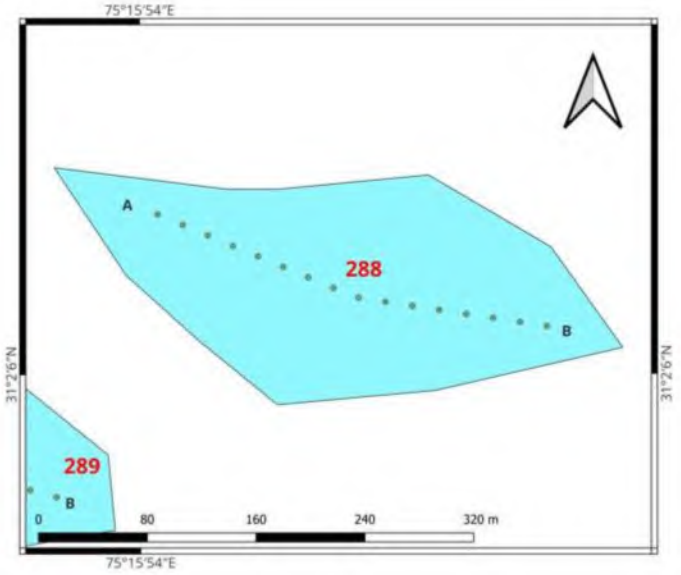


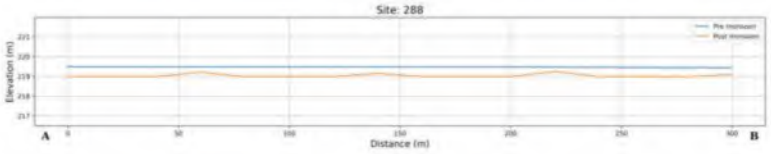


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.406	218.981	-0.425
2	20	219.403	218.981	-0.422
3	40	219.396	218.981	-0.415
4	60	219.389	219.172	-0.113
5	80	219.381	218.981	-0.400
6	100	219.377	218.981	-0.396
7	120	219.372	218.981	-0.391
8	140	219.366	219.411	0.092
9	160	219.361	218.981	-0.380
10	180	219.355	218.981	-0.374
11	200	219.349	218.981	-0.368
12	220	219.343	219.124	-0.227
13	240	219.333	218.981	-0.353
14	260	219.322	218.981	-0.341
15	280	219.305	218.981	-0.325
16	300	219.284	219.475	-0.304
17	320	219.261	218.980	-0.281
18	340	219.239	218.980	-0.258
19	360	219.219	218.980	-0.239
20	380	219.202	219.232	-0.222
21	400	219.181	218.980	-0.200
22	420	219.154	218.980	-0.174
23	440	219.128	218.980	-0.148

24	460	219.109	219.470	-0.129
		Avg Deposited		NA
		Avg Eroded		-0.321

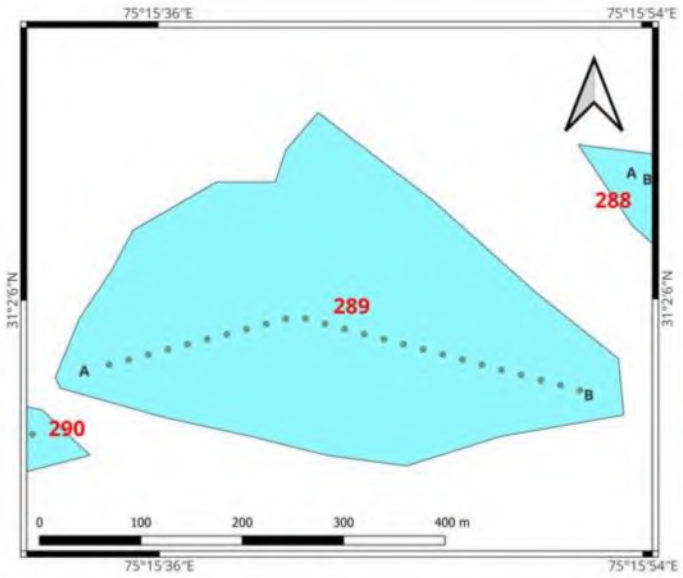
Site: 288

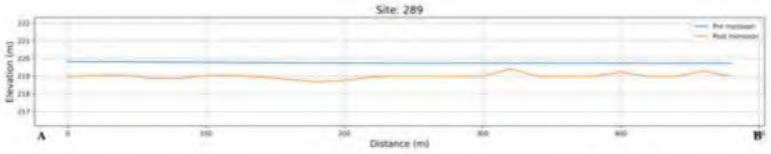




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.484	218.983	-0.502
2	20	219.483	218.983	-0.501
3	40	219.481	218.983	-0.498
4	60	219.480	219.209	-0.149
5	80	219.480	218.982	-0.498
6	100	219.480	218.982	-0.497
7	120	219.478	218.982	-0.496
8	140	219.479	219.156	-0.124
9	160	219.478	218.982	-0.496
10	180	219.475	218.982	-0.493
11	200	219.471	218.982	-0.489
12	220	219.464	219.248	-0.020
13	240	219.456	218.982	-0.474
14	260	219.449	218.982	-0.467
15	280	219.444	218.982	-0.462
16	300	219.441	219.086	-0.081
		Avg Deposited		NA
		Avg Eroded		-0.488

Site: 289

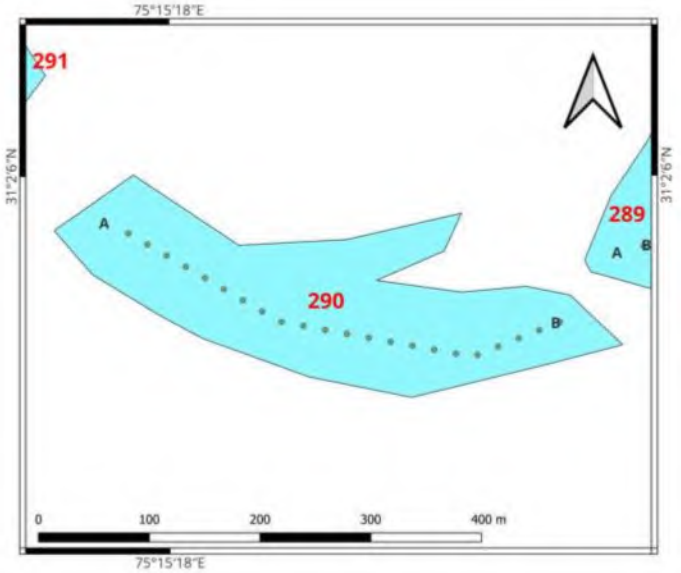


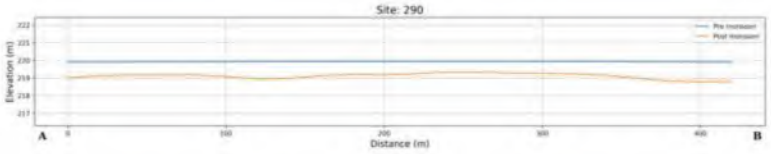


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.813	218.954	-0.858
2	20	219.808	219.036	-0.772
3	40	219.801	219.043	-0.758
4	60	219.793	218.882	-0.911
5	80	219.784	218.868	-0.915
6	100	219.775	219.019	-0.756
7	120	219.765	219.038	-0.727
8	140	219.756	218.956	-0.800
9	160	219.747	218.805	-0.942
10	180	219.739	218.677	-1.063
11	200	219.734	218.747	-0.987
12	220	219.731	218.941	-0.790
13	240	219.729	219.010	-0.719
14	260	219.728	218.992	-0.736
15	280	219.728	218.983	-0.744
16	300	219.727	218.982	-0.744
17	320	219.727	219.402	-0.587
18	340	219.727	218.982	-0.744
19	360	219.726	218.982	-0.744
20	380	219.726	218.982	-0.743
21	400	219.725	219.219	-0.271
22	420	219.724	218.982	-0.741
23	440	219.723	218.982	-0.741

24	460	219.722	219.273	-0.740
25	480	219.722	218.982	-0.586
		Avg Deposited		NA
		Avg Eroded		-0.796

Site: 290

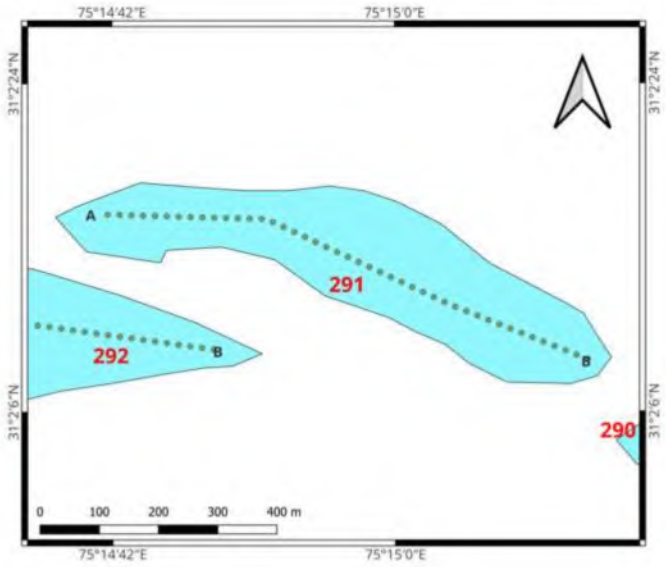


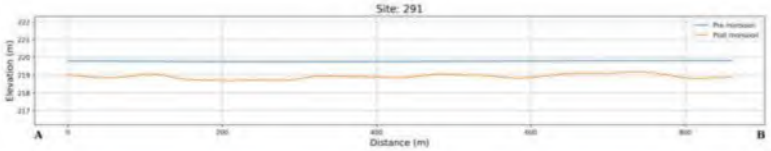


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.898	219.009	-0.889
2	20	219.900	219.127	-0.773
3	40	219.905	219.165	-0.740
4	60	219.909	219.166	-0.743
5	80	219.914	219.181	-0.733
6	100	219.919	219.083	-0.836
7	120	219.924	218.939	-0.984
8	140	219.928	218.971	-0.958
9	160	219.931	219.132	-0.799
10	180	219.932	219.199	-0.733
11	200	219.932	219.181	-0.751
12	220	219.931	219.244	-0.687
13	240	219.930	219.335	-0.596
14	260	219.931	219.331	-0.600
15	280	219.931	219.280	-0.652
16	300	219.932	219.256	-0.675
17	320	219.930	219.238	-0.692
18	340	219.925	219.158	-0.768
19	360	219.919	218.982	-0.937
20	380	219.912	218.825	-1.087
21	400	219.903	218.776	-1.126
22	420	219.895	218.796	-1.099
		Avg Deposited		NA

		Avg Eroded		-0.812

Site: 291

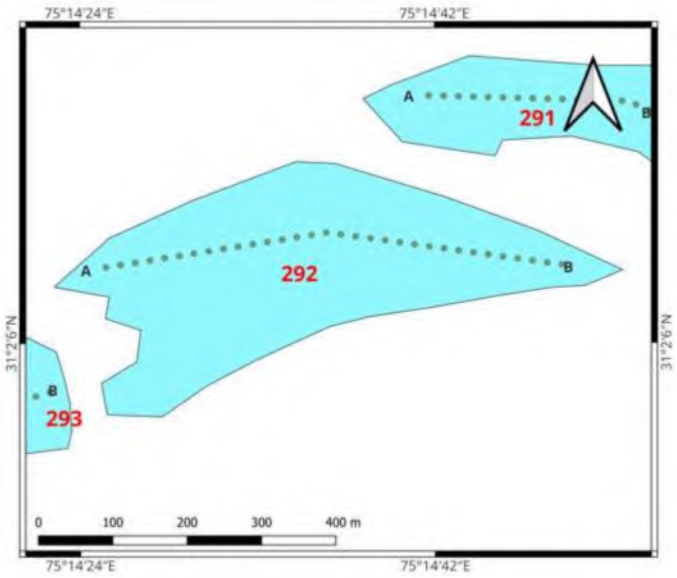


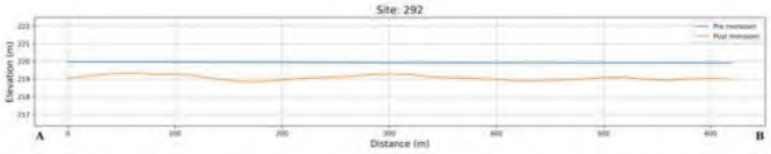


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.797	219.020	-0.777
2	20	219.795	218.931	-0.864
3	40	219.793	218.863	-0.930
4	60	219.790	218.846	-0.944
5	80	219.787	218.930	-0.857
6	100	219.783	219.069	-0.714
7	120	219.780	219.036	-0.745
8	140	219.777	218.837	-0.941
9	160	219.774	218.734	-1.040
10	180	219.771	218.732	-1.039
11	200	219.768	218.696	-1.072
12	220	219.764	218.697	-1.068
13	240	219.762	218.732	-1.029
14	260	219.760	218.711	-1.049
15	280	219.761	218.702	-1.059
16	300	219.763	218.797	-0.966
17	320	219.765	218.938	-0.827
18	340	219.767	218.952	-0.814
19	360	219.767	218.919	-0.849
20	380	219.769	218.926	-0.843
21	400	219.772	218.897	-0.875
22	420	219.775	218.836	-0.938
23	440	219.777	218.868	-0.909

24	460	219.779	218.977	-0.802
25	480	219.780	219.070	-0.710
26	500	219.782	219.043	-0.739
27	520	219.785	218.996	-0.789
28	540	219.787	218.977	-0.810
29	560	219.790	218.894	-0.897
30	580	219.794	218.824	-0.969
31	600	219.796	218.854	-0.942
32	620	219.797	218.956	-0.840
33	640	219.798	219.063	-0.735
34	660	219.800	219.115	-0.685
35	680	219.802	219.117	-0.685
36	700	219.803	219.105	-0.698
37	720	219.805	219.148	-0.657
38	740	219.807	219.184	-0.623
39	760	219.807	219.132	-0.675
40	780	219.809	218.986	-0.823
41	800	219.811	218.836	-0.976
42	820	219.813	218.806	-1.007
43	840	219.813	218.858	-0.955
44	860	219.814	218.890	-0.923
		Avg Deposited		NA
		Avg Eroded		-0.866

Site: 292

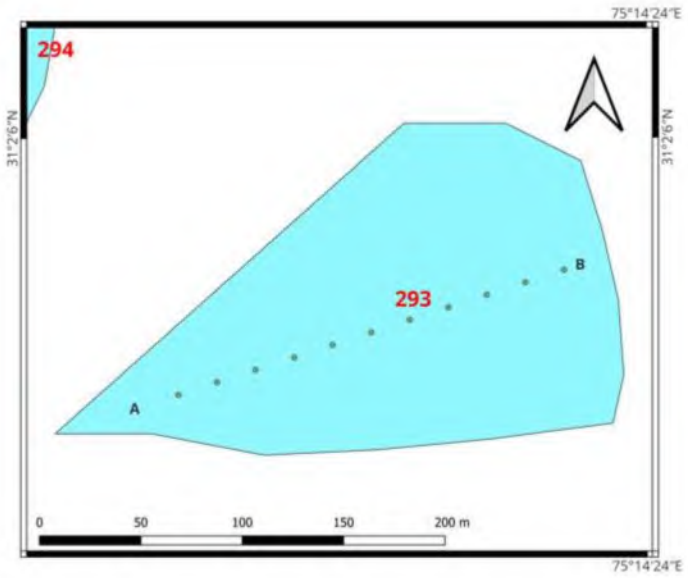


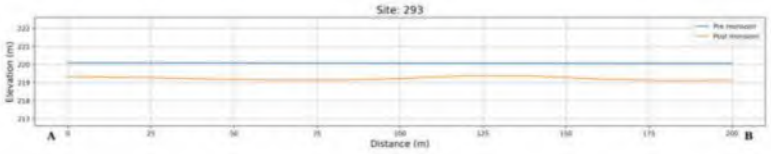


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.972	219.035	-0.936
2	20	219.969	219.173	-0.796
3	40	219.965	219.300	-0.665
4	60	219.962	219.321	-0.641
5	80	219.958	219.273	-0.686
6	100	219.954	219.272	-0.682
7	120	219.951	219.184	-0.767
8	140	219.947	218.983	-0.964
9	160	219.943	218.862	-1.081
10	180	219.939	218.849	-1.090
11	200	219.937	218.939	-0.997
12	220	219.933	219.045	-0.888
13	240	219.929	219.081	-0.848
14	260	219.925	219.142	-0.783
15	280	219.921	219.232	-0.689
16	300	219.917	219.298	-0.619
17	320	219.914	219.243	-0.672
18	340	219.914	219.109	-0.805
19	360	219.913	219.065	-0.848
20	380	219.913	219.045	-0.868
21	400	219.912	218.964	-0.949
22	420	219.911	218.900	-1.012
23	440	219.910	218.904	-1.006

24	460	219.909	218.930	-0.979
25	480	219.909	218.988	-0.921
26	500	219.908	219.079	-0.829
27	520	219.907	219.088	-0.819
28	540	219.906	218.971	-0.934
29	560	219.905	218.928	-0.977
30	580	219.905	218.989	-0.915
31	600	219.904	219.030	-0.874
32	620	219.904	218.987	-0.918
		Avg Deposited		NA
		Avg Eroded		-0.858

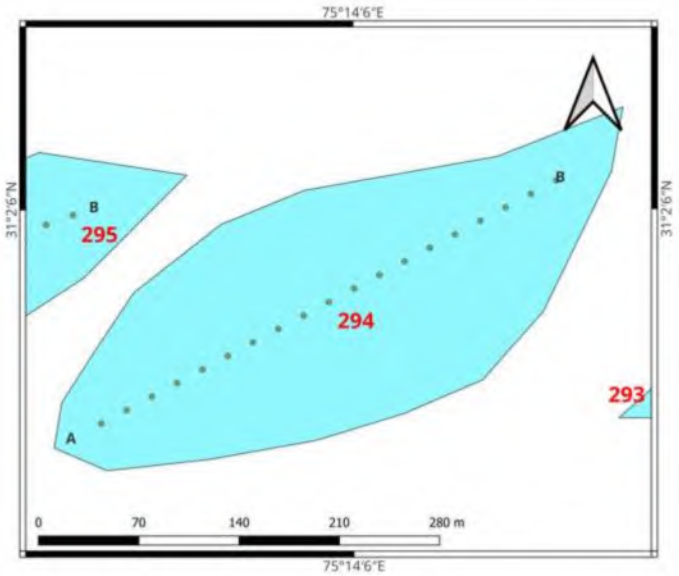
Site: 293

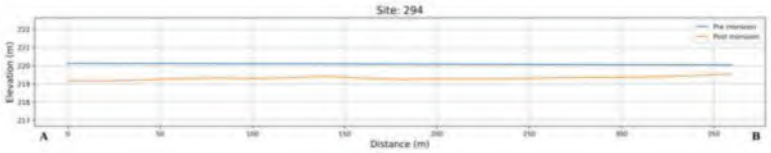




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.096	219.324	-0.773
2	20	220.094	219.288	-0.806
3	40	220.090	219.204	-0.886
4	60	220.086	219.142	-0.944
5	80	220.081	219.127	-0.955
6	100	220.078	219.219	-0.859
7	120	220.074	219.385	-0.689
8	140	220.071	219.369	-0.702
9	160	220.067	219.191	-0.876
10	180	220.063	219.103	-0.960
11	200	220.061	219.122	-0.939
		Avg Deposited		NA
		Avg Eroded		-0.853

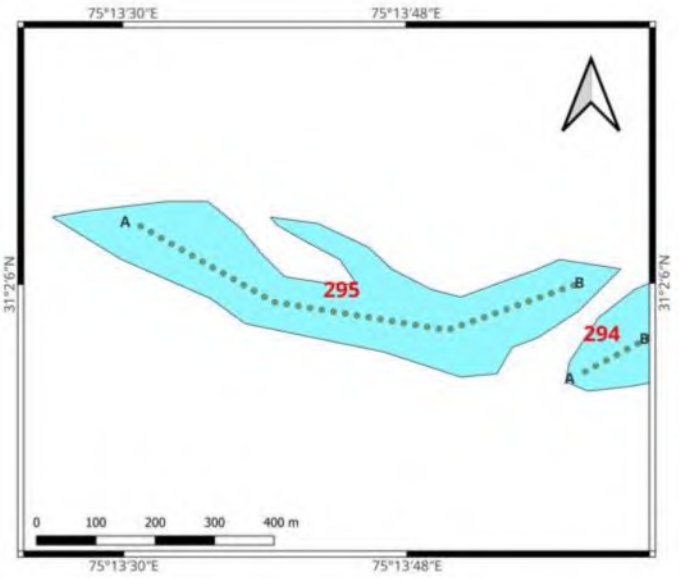
Site: 294

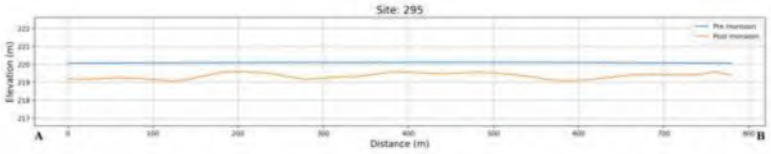




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.128	219.180	-0.948
2	20	220.125	219.169	-0.955
3	40	220.120	219.208	-0.912
4	60	220.115	219.276	-0.839
5	80	220.111	219.333	-0.777
6	100	220.107	219.296	-0.812
7	120	220.103	219.342	-0.761
8	140	220.098	219.407	-0.690
9	160	220.093	219.315	-0.777
10	180	220.087	219.241	-0.847
11	200	220.082	219.267	-0.815
12	220	220.076	219.262	-0.814
13	240	220.072	219.276	-0.796
14	260	220.067	219.328	-0.739
15	280	220.062	219.359	-0.703
16	300	220.056	219.360	-0.697
17	320	220.051	219.391	-0.660
18	340	220.045	219.465	-0.580
19	360	220.042	219.535	-0.506
		Avg Deposited		NA
		Avg Eroded		-0.770

Site: 295

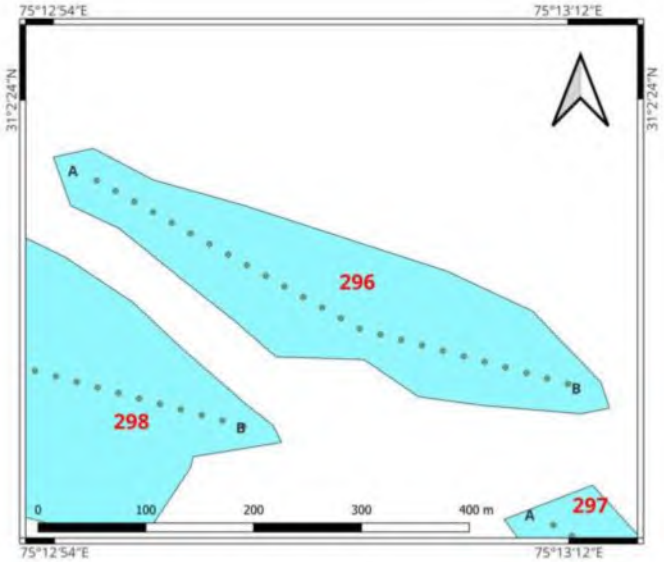


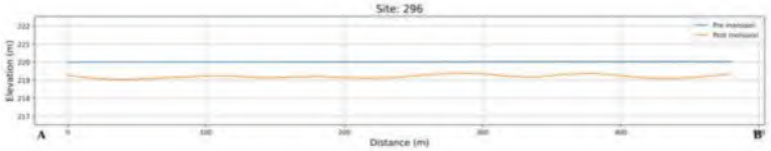


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.074	219.195	-0.879
2	20	220.076	219.171	-0.905
3	40	220.079	219.202	-0.877
4	60	220.081	219.251	-0.830
5	80	220.084	219.218	-0.866
6	100	220.087	219.154	-0.933
7	120	220.090	219.068	-1.022
8	140	220.093	219.124	-0.969
9	160	220.096	219.361	-0.735
10	180	220.099	219.548	-0.551
11	200	220.102	219.581	-0.521
12	220	220.105	219.557	-0.548
13	240	220.108	219.485	-0.623
14	260	220.109	219.296	-0.813
15	280	220.110	219.169	-0.941
16	300	220.109	219.232	-0.877
17	320	220.109	219.299	-0.810
18	340	220.110	219.331	-0.779
19	360	220.110	219.447	-0.663
20	380	220.110	219.554	-0.556
21	400	220.111	219.566	-0.545
22	420	220.111	219.506	-0.605
23	440	220.111	219.477	-0.634

24	460	220.112	219.508	-0.603
25	480	220.112	219.553	-0.559
26	500	220.112	219.518	-0.594
27	520	220.113	219.439	-0.674
28	540	220.113	219.334	-0.778
29	560	220.111	219.176	-0.935
30	580	220.108	219.085	-1.023
31	600	220.105	219.109	-0.996
32	620	220.101	219.179	-0.922
33	640	220.097	219.295	-0.802
34	660	220.094	219.403	-0.691
35	680	220.090	219.430	-0.660
36	700	220.086	219.412	-0.674
37	720	220.082	219.409	-0.673
38	740	220.078	219.418	-0.660
39	760	220.075	219.589	-0.658
40	780	220.073	219.399	-0.674
		Avg Deposited		NA
		Avg Eroded		-0.752

Site: 296

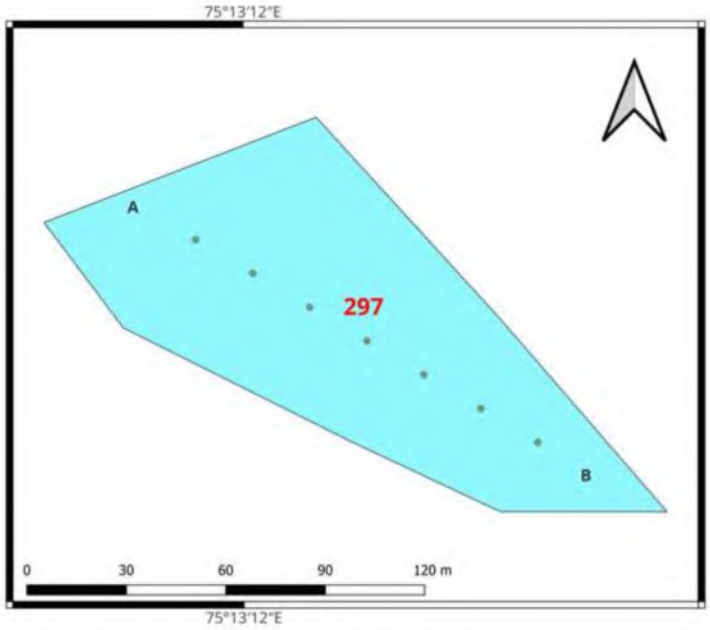




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220	219.266	-0.734
2	20	220.001	219.091	-0.910
3	40	220.003	219.030	-0.973
4	60	220.003	219.089	-0.914
5	80	220.005	219.171	-0.834
6	100	220.007	219.226	-0.781
7	120	220.009	219.231	-0.778
8	140	220.011	219.142	-0.870
9	160	220.014	219.157	-0.857
10	180	220.016	219.212	-0.804
11	200	220.018	219.139	-0.879
12	220	220.021	219.105	-0.916
13	240	220.022	219.158	-0.864
14	260	220.023	219.301	-0.722
15	280	220.025	219.400	-0.625
16	300	220.027	219.360	-0.667
17	320	220.028	219.205	-0.824
18	340	220.029	219.182	-0.847
19	360	220.030	219.333	-0.696
20	380	220.030	219.381	-0.649
21	400	220.031	219.252	-0.779
22	420	220.032	219.109	-0.923
23	440	220.032	219.094	-0.939

24	460	220.033	219.202	-0.831
25	480	220.034	219.346	-0.688
		Avg Deposited		NA
		Avg Eroded		-0.812

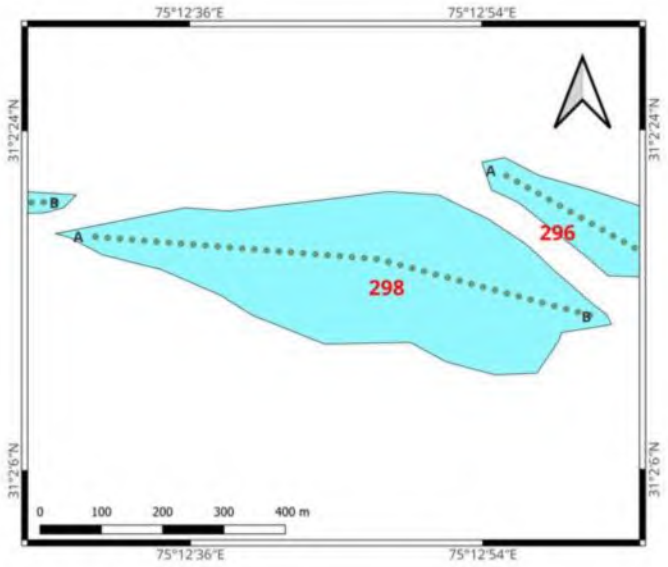
Site: 297

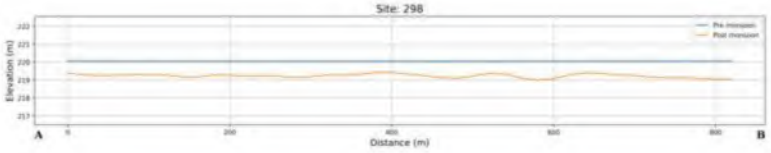




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.079	218.997	-1.082
2	20	220.080	219.175	-0.906
3	40	220.083	219.307	-0.776
4	60	220.085	219.237	-0.848
5	80	220.088	219.254	-0.834
6	100	220.090	219.449	-0.642
7	120	220.092	219.572	-0.520
		Avg Deposited		NA
		Avg Eroded		-0.801

Site: 298

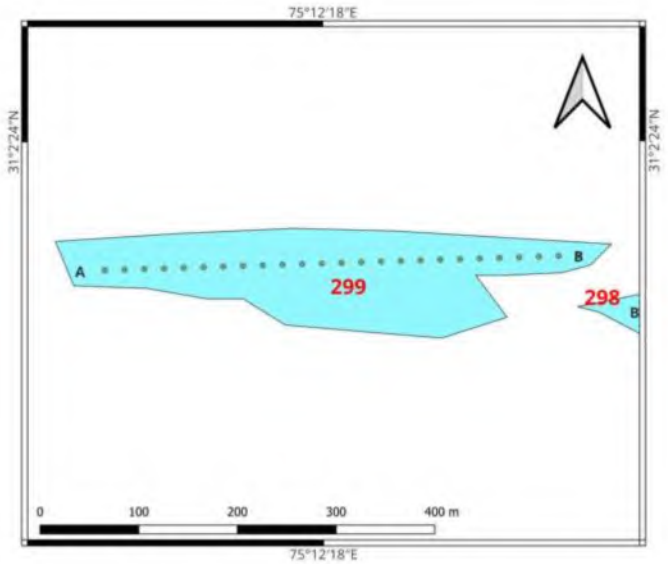


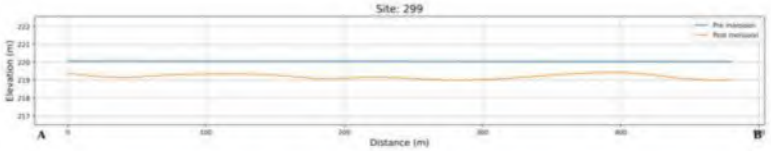


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.057	219.393	-0.664
2	20	220.056	219.286	-0.770
3	40	220.055	219.238	-0.818
4	60	220.055	219.263	-0.792
5	80	220.054	219.294	-0.759
6	100	220.054	219.288	-0.765
7	120	220.054	219.282	-0.772
8	140	220.054	219.180	-0.874
9	160	220.053	219.168	-0.885
10	180	220.053	219.276	-0.777
11	200	220.053	219.265	-0.789
12	220	220.053	219.221	-0.832
13	240	220.053	219.244	-0.809
14	260	220.054	219.210	-0.844
15	280	220.053	219.142	-0.912
16	300	220.053	219.186	-0.867
17	320	220.052	219.273	-0.779
18	340	220.052	219.266	-0.785
19	360	220.052	219.322	-0.730
20	380	220.052	219.416	-0.636
21	400	220.051	219.421	-0.630
22	420	220.050	219.330	-0.720
23	440	220.049	219.243	-0.806

24	460	220.049	219.132	-0.917
25	480	220.050	219.092	-0.957
26	500	220.050	219.213	-0.837
27	520	220.051	219.368	-0.683
28	540	220.052	219.324	-0.728
29	560	220.052	219.107	-0.946
30	580	220.053	218.993	-1.060
31	600	220.054	219.078	-0.976
32	620	220.054	219.283	-0.771
33	640	220.055	219.405	-0.650
34	660	220.055	219.365	-0.690
35	680	220.055	219.283	-0.772
36	700	220.056	219.244	-0.811
37	720	220.056	219.162	-0.894
38	740	220.056	219.132	-0.924
39	760	220.056	219.140	-0.917
40	780	220.057	219.083	-0.974
41	800	220.057	219.047	-1.011
42	820	220.058	219.051	-1.007
		Avg Deposited		NA
		Avg Eroded		-0.822

Site: 299

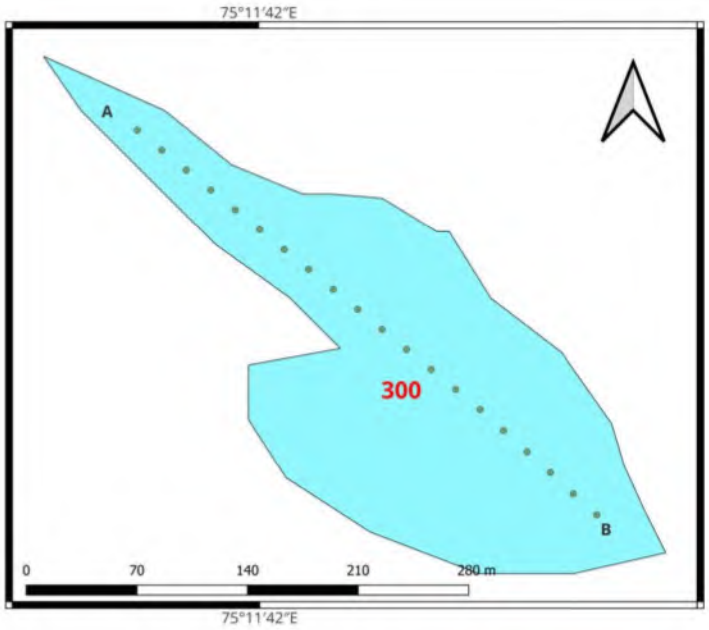


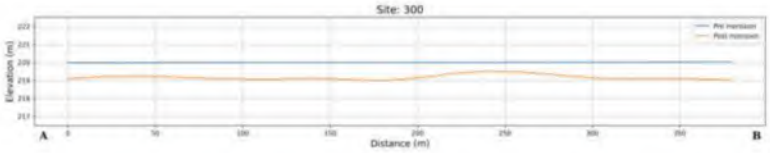


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	220.065	219.383	-0.683
2	20	220.065	219.207	-0.858
3	40	220.064	219.138	-0.926
4	60	220.063	219.229	-0.834
5	80	220.062	219.312	-0.751
6	100	220.062	219.341	-0.720
7	120	220.061	219.352	-0.709
8	140	220.060	219.326	-0.734
9	160	220.059	219.216	-0.843
10	180	220.058	219.085	-0.973
11	200	220.058	219.097	-0.960
12	220	220.057	219.169	-0.888
13	240	220.056	219.120	-0.936
14	260	220.055	219.046	-1.009
15	280	220.054	218.999	-1.055
16	300	220.053	219.020	-1.034
17	320	220.052	219.104	-0.948
18	340	220.052	219.222	-0.830
19	360	220.051	219.336	-0.715
20	380	220.050	219.404	-0.646
21	400	220.049	219.432	-0.617
22	420	220.048	219.328	-0.720
23	440	220.047	219.121	-0.926

24	460	220.046	219.013	-1.033
25	480	220.046	219.005	-1.041
		Avg Deposited		NA
		Avg Eroded		-0.856

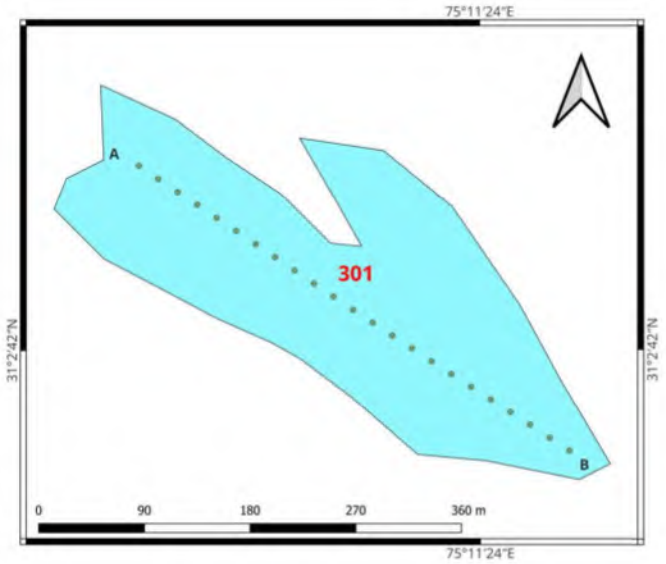
Site: 300

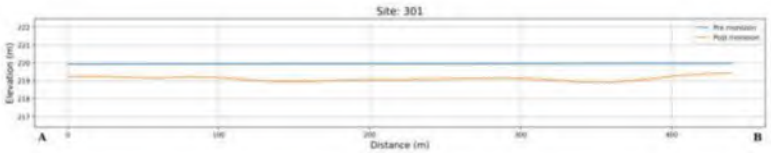




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.968	219.091	-0.878
2	20	219.970	219.186	-0.784
3	40	219.973	219.242	-0.731
4	60	219.975	219.162	-0.814
5	80	219.978	219.108	-0.870
6	100	219.981	219.062	-0.919
7	120	219.983	219.056	-0.927
8	140	219.986	219.110	-0.876
9	160	219.988	219.037	-0.951
10	180	219.991	218.970	-1.021
11	200	219.994	219.118	-0.875
12	220	219.996	219.375	-0.620
13	240	219.997	219.500	-0.497
14	260	219.998	219.453	-0.546
15	280	220	219.294	-0.706
16	300	220.002	219.126	-0.876
17	320	220.005	219.066	-0.939
18	340	220.008	219.094	-0.914
19	360	220.011	219.069	-0.942
20	380	220.013	219.013	-1
		Avg Deposited		NA
		Avg Eroded		-0.834

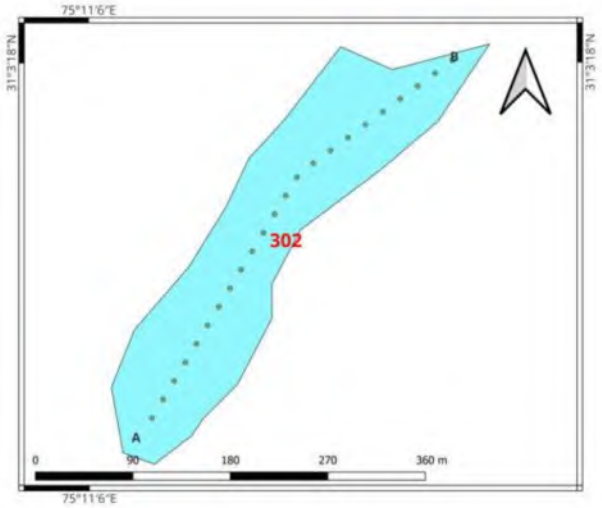
Site: 301

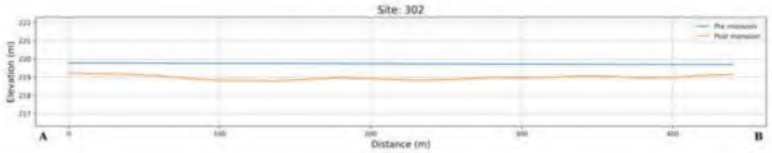




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.927	219.224	-0.704
2	20	219.928	219.255	-0.673
3	40	219.930	219.191	-0.739
4	60	219.931	219.166	-0.765
5	80	219.933	219.222	-0.711
6	100	219.935	219.183	-0.752
7	120	219.936	219.045	-0.892
8	140	219.938	218.946	-0.992
9	160	219.941	218.951	-0.990
10	180	219.943	219.025	-0.918
11	200	219.945	219.061	-0.884
12	220	219.947	219.054	-0.893
13	240	219.948	219.085	-0.864
14	260	219.950	219.127	-0.822
15	280	219.952	219.146	-0.806
16	300	219.953	219.135	-0.818
17	320	219.955	219.044	-0.911
18	340	219.957	218.921	-1.037
19	360	219.960	218.906	-1.054
20	380	219.962	219.055	-0.907
21	400	219.964	219.255	-0.710
22	420	219.966	219.379	-0.587
23	440	219.967	219.429	-0.537
		Avg Deposited		NA
		Avg Eroded		-0.825

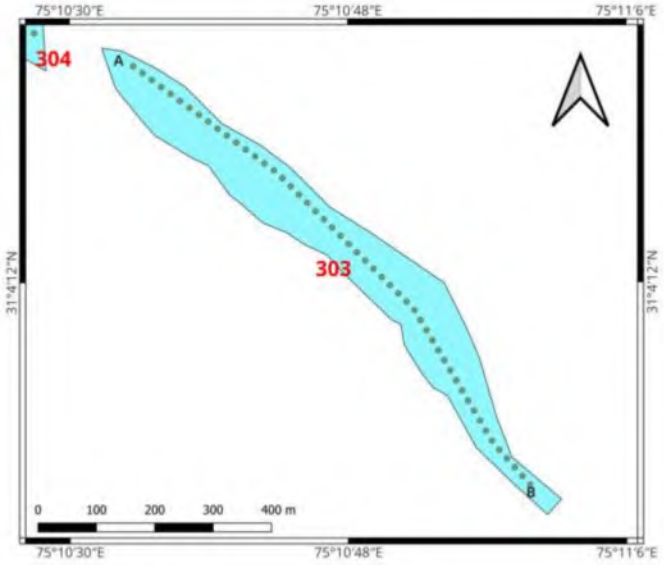
Site: 302

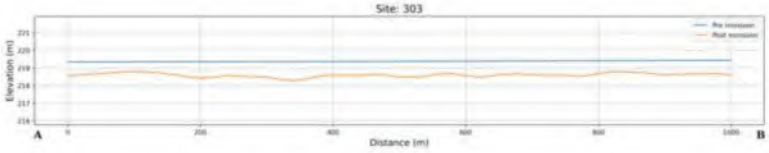




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.783	219.236	-0.547
2	20	219.780	219.185	-0.595
3	40	219.776	219.158	-0.618
4	60	219.771	219.077	-0.694
5	80	219.767	218.914	-0.853
6	100	219.762	218.823	-0.939
7	120	219.757	218.811	-0.946
8	140	219.752	218.799	-0.953
9	160	219.748	218.882	-0.866
10	180	219.743	218.967	-0.776
11	200	219.738	218.910	-0.828
12	220	219.733	218.848	-0.885
13	240	219.729	218.828	-0.900
14	260	219.724	218.885	-0.839
15	280	219.720	218.972	-0.748
16	300	219.716	218.957	-0.759
17	320	219.711	218.986	-0.726
18	340	219.707	219.072	-0.635
19	360	219.703	219.043	-0.660
20	380	219.700	218.952	-0.748
21	400	219.696	218.976	-0.720
22	420	219.692	219.099	-0.593
23	440	219.689	219.152	-0.537
		Avg Deposited		NA
		Avg Eroded		-0.755

Site: 303

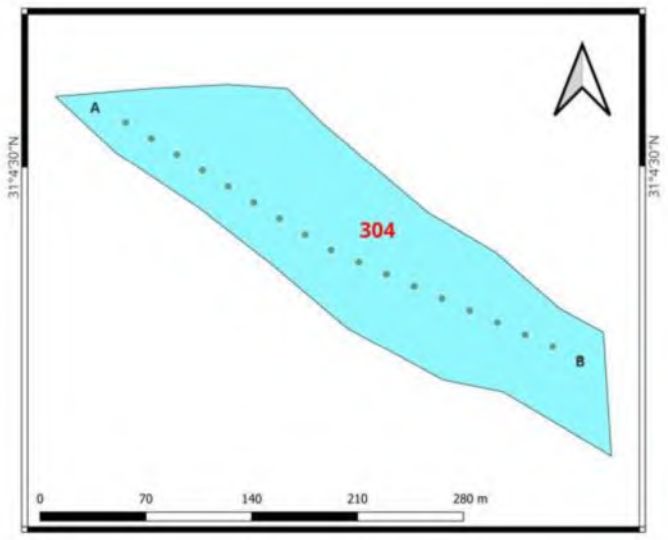


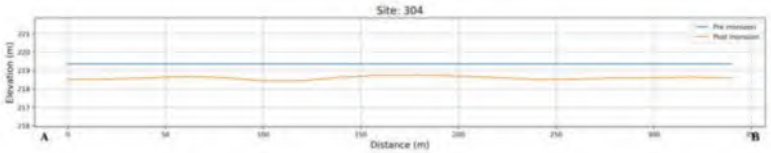


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.351	218.549	-0.802
2	20	219.353	218.613	-0.740
3	40	219.354	218.660	-0.693
4	60	219.354	218.720	-0.635
5	80	219.355	218.778	-0.577
6	100	219.356	218.792	-0.564
7	120	219.357	218.781	-0.576
8	140	219.358	218.726	-0.632
9	160	219.359	218.620	-0.738
10	180	219.359	218.504	-0.855
11	200	219.360	218.411	-0.949
12	220	219.361	218.472	-0.888
13	240	219.362	218.576	-0.786
14	260	219.363	218.530	-0.833
15	280	219.364	218.507	-0.857
16	300	219.365	218.490	-0.875
17	320	219.366	218.350	-1.017
18	340	219.367	218.270	-1.098
19	360	219.369	218.380	-0.989
20	380	219.370	218.542	-0.828
21	400	219.372	218.593	-0.779
22	420	219.374	218.589	-0.784
23	440	219.375	218.575	-0.800

24	460	219.376	218.631	-0.745
25	480	219.378	218.590	-0.788
26	500	219.380	218.492	-0.887
27	520	219.381	218.486	-0.895
28	540	219.383	218.527	-0.855
29	560	219.384	218.655	-0.729
30	580	219.385	218.684	-0.701
31	600	219.387	218.562	-0.825
32	620	219.389	218.488	-0.901
33	640	219.391	218.544	-0.847
34	660	219.393	218.651	-0.742
35	680	219.396	218.660	-0.736
36	700	219.398	218.623	-0.775
37	720	219.401	218.577	-0.824
38	740	219.403	218.591	-0.812
39	760	219.406	218.545	-0.861
40	780	219.409	218.530	-0.878
41	800	219.412	218.682	-0.730
42	820	219.414	218.780	-0.634
43	840	219.417	218.766	-0.651
44	860	219.419	218.760	-0.659
45	880	219.422	218.689	-0.733
46	900	219.425	218.610	-0.815
47	920	219.427	218.653	-0.774
48	940	219.429	218.661	-0.768
49	960	219.431	218.668	-0.763
50	980	219.433	218.683	-0.750
51	1000	219.434	218.619	-0.815
		Avg Deposited		NA
		Avg Eroded		-0.788

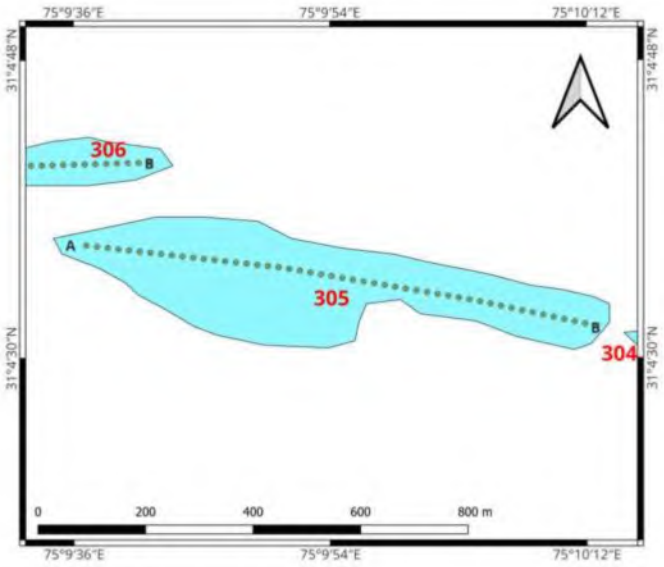
Site: 304

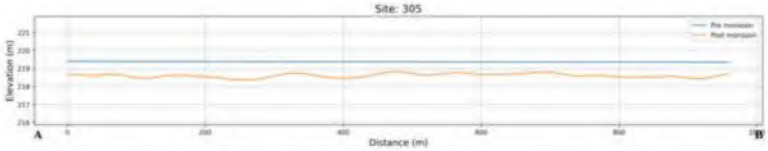




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.353	218.506	-0.847
2	20	219.353	218.528	-0.825
3	40	219.353	218.596	-0.757
4	60	219.354	218.687	-0.667
5	80	219.354	218.610	-0.744
6	100	219.355	218.434	-0.921
7	120	219.356	218.447	-0.909
8	140	219.357	218.629	-0.728
9	160	219.357	218.751	-0.606
10	180	219.356	218.751	-0.605
11	200	219.356	218.704	-0.652
12	220	219.356	218.618	-0.738
13	240	219.357	218.507	-0.850
14	260	219.357	218.528	-0.829
15	280	219.356	218.595	-0.761
16	300	219.356	218.609	-0.747
17	320	219.356	218.635	-0.721
18	340	219.356	218.600	-0.755
		Avg Deposited		NA
		Avg Eroded		-0.759

Site: 305

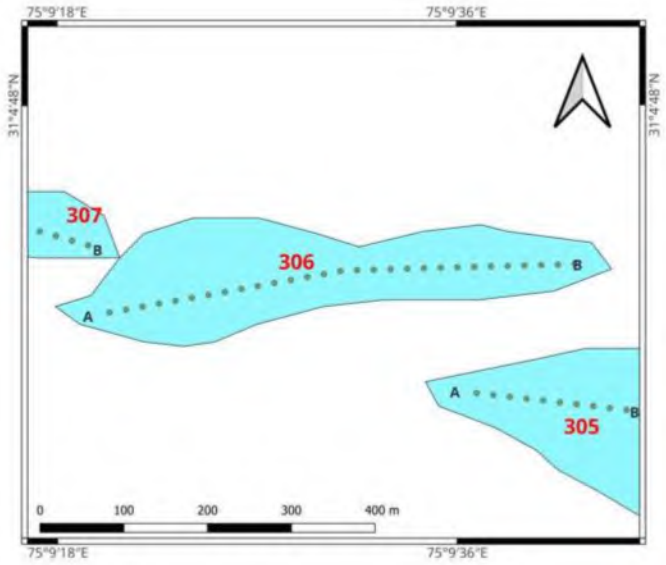


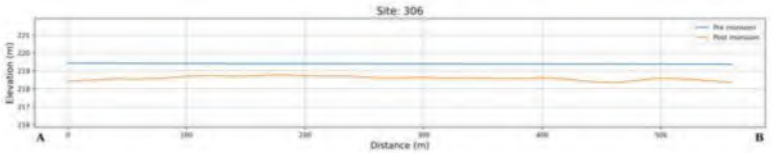


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.405	218.687	-0.717
2	20	219.404	218.646	-0.759
3	40	219.403	218.608	-0.795
4	60	219.402	218.675	-0.726
5	80	219.400	218.629	-0.771
6	100	219.399	218.474	-0.925
7	120	219.398	218.457	-0.941
8	140	219.397	218.596	-0.801
9	160	219.396	218.638	-0.758
10	180	219.395	218.587	-0.808
11	200	219.394	218.552	-0.842
12	220	219.393	218.472	-0.921
13	240	219.391	218.389	-1.002
14	260	219.390	218.368	-1.022
15	280	219.389	218.428	-0.961
16	300	219.388	218.586	-0.802
17	320	219.387	218.733	-0.654
18	340	219.385	218.737	-0.648
19	360	219.384	218.615	-0.769
20	380	219.383	218.486	-0.897
21	400	219.382	218.461	-0.921
22	420	219.381	218.484	-0.897
23	440	219.381	218.613	-0.768

24	460	219.380	218.780	-0.600
25	480	219.379	218.840	-0.539
26	500	219.378	218.741	-0.637
27	520	219.377	218.621	-0.756
28	540	219.376	218.683	-0.693
29	560	219.375	218.777	-0.598
30	580	219.374	218.743	-0.631
31	600	219.373	218.653	-0.720
32	620	219.372	218.665	-0.707
33	640	219.371	218.696	-0.675
34	660	219.370	218.714	-0.656
35	680	219.369	218.807	-0.562
36	700	219.368	218.815	-0.553
37	720	219.367	218.673	-0.694
38	740	219.366	218.577	-0.789
39	760	219.365	218.606	-0.759
40	780	219.364	218.605	-0.758
41	800	219.363	218.533	-0.829
42	820	219.362	218.501	-0.861
43	840	219.361	218.533	-0.828
44	860	219.360	218.553	-0.806
45	880	219.359	218.578	-0.781
46	900	219.358	218.476	-0.882
47	920	219.357	218.419	-0.938
48	940	219.356	218.569	-0.788
49	960	219.356	218.737	-0.619
		Avg Deposited		NA
		Avg Eroded		-0.771

Site: 306

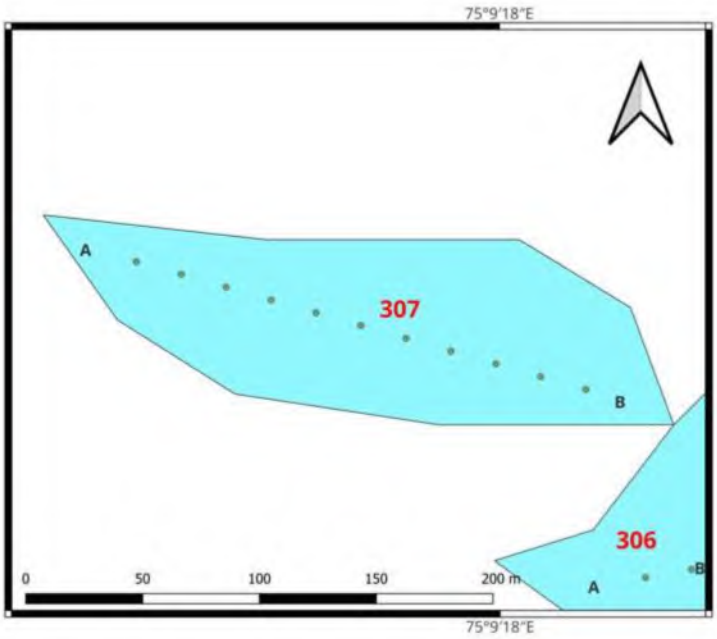


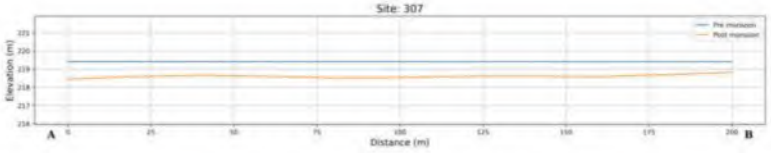


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.421	218.417	-1.003
2	20	219.419	218.477	-0.942
3	40	219.417	218.562	-0.856
4	60	219.415	218.546	-0.869
5	80	219.413	218.575	-0.838
6	100	219.411	218.698	-0.713
7	120	219.409	218.737	-0.672
8	140	219.407	218.687	-0.720
9	160	219.405	218.731	-0.674
10	180	219.402	218.780	-0.622
11	200	219.400	218.722	-0.679
12	220	219.398	218.704	-0.695
13	240	219.396	218.698	-0.698
14	260	219.394	218.606	-0.789
15	280	219.393	218.606	-0.787
16	300	219.391	218.628	-0.764
17	320	219.389	218.581	-0.808
18	340	219.387	218.595	-0.792
19	360	219.385	218.579	-0.806
20	380	219.384	218.573	-0.811
21	400	219.382	218.613	-0.769
22	420	219.381	218.535	-0.845
23	440	219.379	218.405	-0.974
24	460	219.377	218.346	-1.031

25	480	219.376	218.459	-0.917
26	500	219.374	218.595	-0.780
27	520	219.373	218.550	-0.823
28	540	219.371	218.446	-0.926
29	560	219.370	218.354	-1.017
		Avg Deposited		NA
		Avg Eroded		-0.814

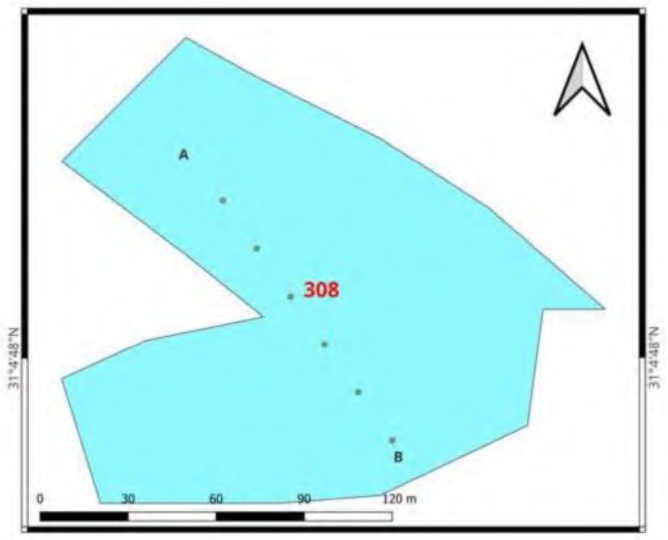
Site: 307

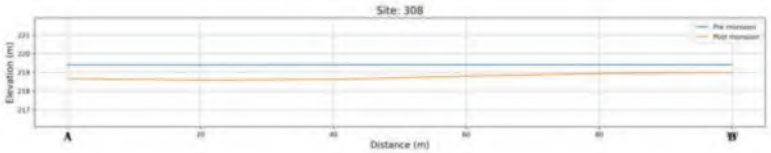




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.414	218.442	-0.972
2	20	219.414	218.588	-0.826
3	40	219.414	218.653	-0.761
4	60	219.413	218.603	-0.810
5	80	219.412	218.510	-0.903
6	100	219.412	218.529	-0.882
7	120	219.411	218.604	-0.807
8	140	219.411	218.614	-0.797
9	160	219.411	218.586	-0.824
10	180	219.410	218.694	-0.717
11	200	219.410	218.819	-0.592
		Avg Deposited		NA
		Avg Eroded		-0.808

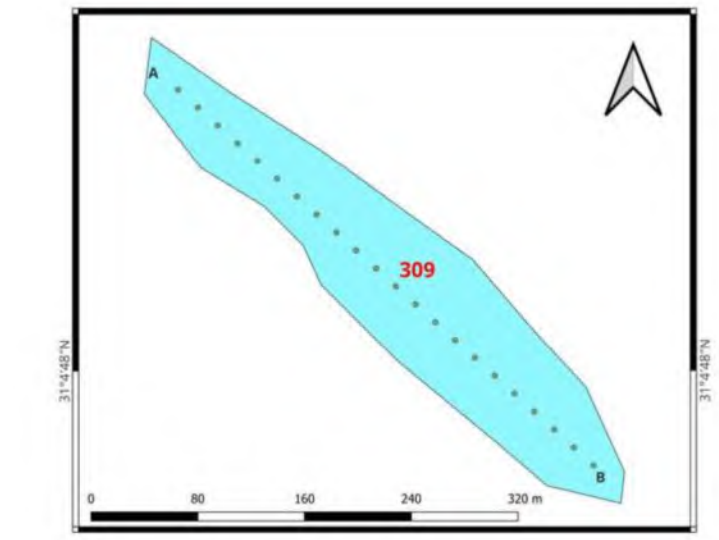
Site: 308

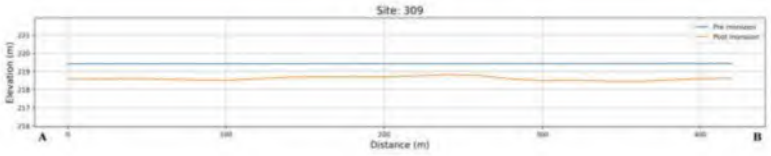




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.404	218.666	-0.738
2	20	219.405	218.574	-0.831
3	40	219.406	218.622	-0.785
4	60	219.408	218.793	-0.615
5	80	219.410	218.934	-0.475
6	100	219.411	218.991	-0.420
		Avg Deposited		NA
		Avg Eroded		-0.644

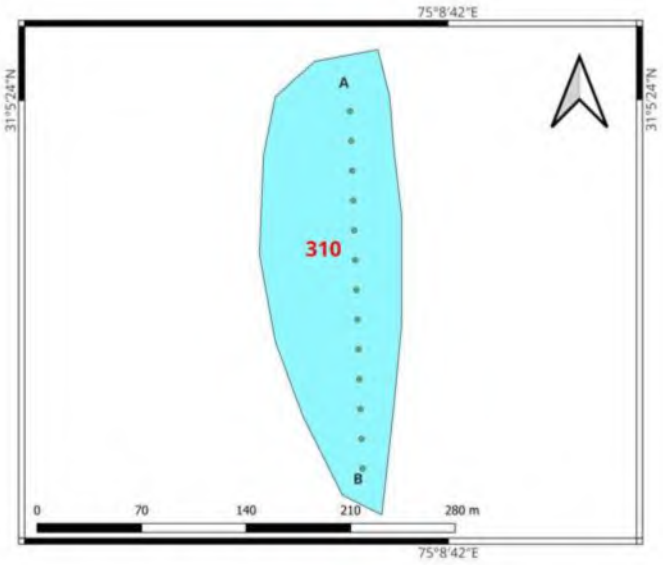
Site: 309

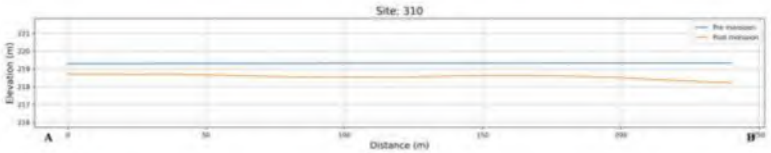




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.413	218.595	-0.818
2	20	219.414	218.579	-0.835
3	40	219.415	218.611	-0.803
4	60	219.416	218.566	-0.849
5	80	219.417	218.522	-0.894
6	100	219.418	218.504	-0.914
7	120	219.419	218.593	-0.826
8	140	219.420	218.677	-0.743
9	160	219.421	218.702	-0.720
10	180	219.422	218.722	-0.701
11	200	219.423	218.695	-0.729
12	220	219.424	218.746	-0.678
13	240	219.425	218.821	-0.604
14	260	219.426	218.772	-0.655
15	280	219.428	218.586	-0.842
16	300	219.429	218.488	-0.941
17	320	219.430	218.511	-0.918
18	340	219.431	218.466	-0.964
19	360	219.432	218.445	-0.987
20	380	219.433	218.519	-0.914
21	400	219.434	218.599	-0.835
22	420	219.435	218.624	-0.811
		Avg Deposited		NA
		Avg Eroded		-0.817

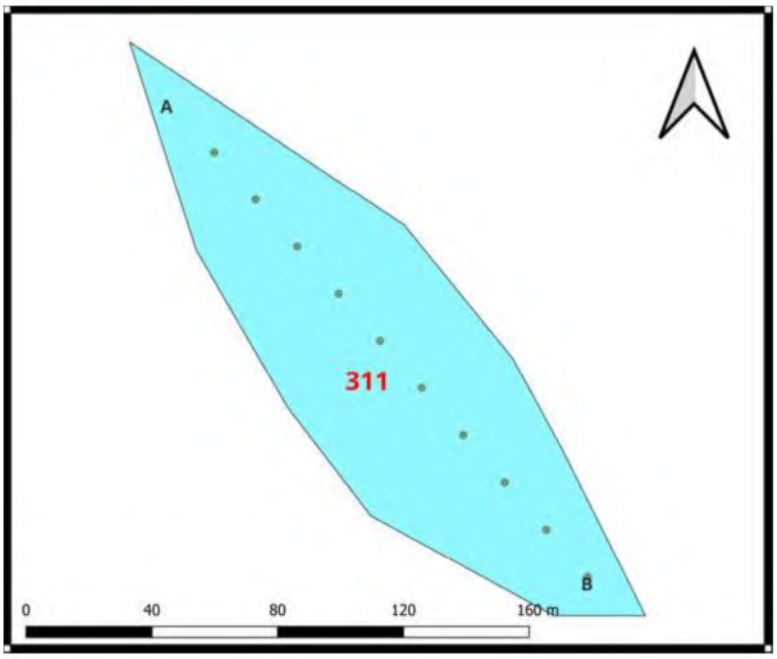
Site: 310

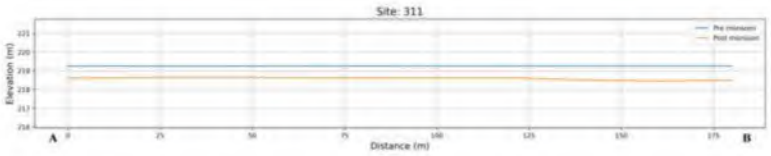




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.291	218.719	-0.572
2	20	219.293	218.694	-0.598
3	40	219.296	218.693	-0.602
4	60	219.299	218.620	-0.678
5	80	219.301	218.549	-0.752
6	100	219.304	218.540	-0.764
7	120	219.307	218.526	-0.782
8	140	219.310	218.598	-0.713
9	160	219.313	218.628	-0.685
10	180	219.316	218.592	-0.725
11	200	219.319	218.503	-0.816
12	220	219.322	218.344	-0.978
13	240	219.324	218.213	-1.111
		Avg Deposited		NA
		Avg Eroded		-0.752

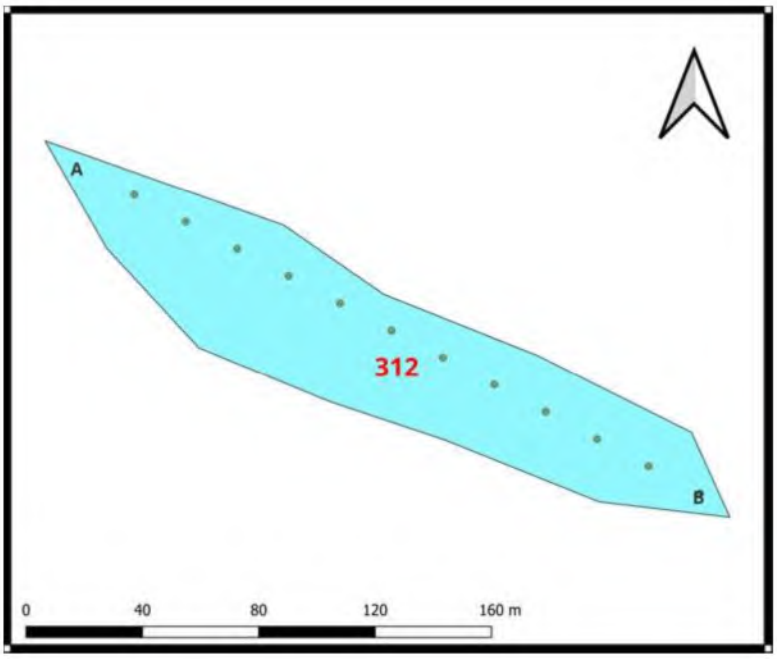
Site: 311

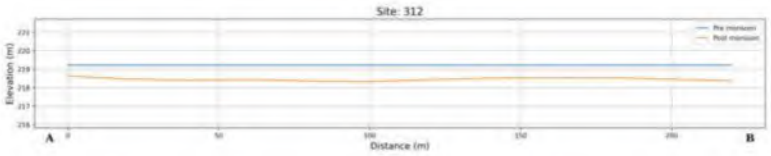




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.251	218.598	-0.652
2	20	219.251	218.642	-0.609
3	40	219.252	218.659	-0.593
4	60	219.253	218.640	-0.613
5	80	219.254	218.612	-0.643
6	100	219.256	218.631	-0.624
7	120	219.257	218.626	-0.631
8	140	219.258	218.510	-0.748
9	160	219.259	218.444	-0.815
10	180	219.260	218.500	-0.759
		Avg Deposited		NA
		Avg Eroded		-0.669

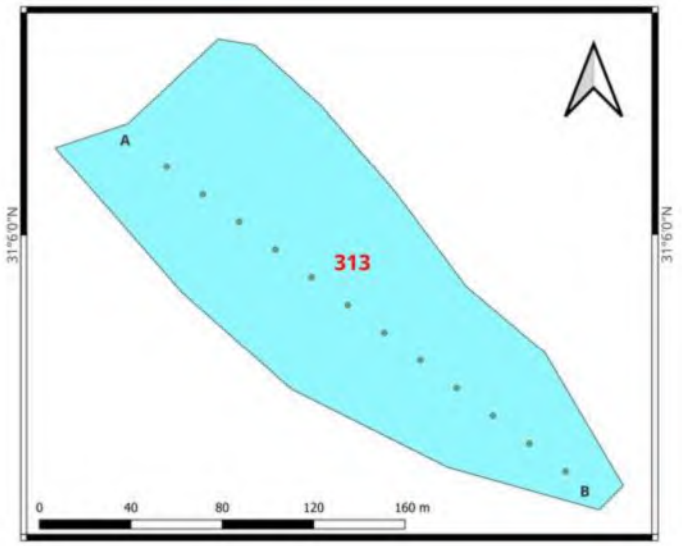
Site: 312

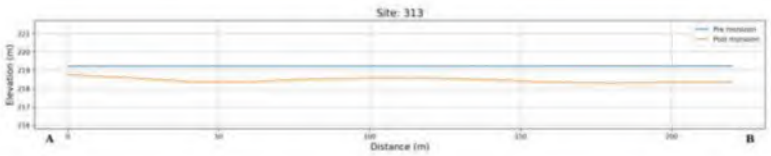




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.210	218.630	-0.580
2	20	219.210	218.466	-0.743
3	40	219.210	218.404	-0.805
4	60	219.209	218.442	-0.768
5	80	219.209	218.353	-0.855
6	100	219.208	218.315	-0.894
7	120	219.208	218.433	-0.775
8	140	219.208	218.511	-0.698
9	160	219.209	218.547	-0.661
10	180	219.209	218.537	-0.672
11	200	219.209	218.458	-0.751
12	220	219.209	218.366	-0.842
		Avg Deposited		NA
		Avg Eroded		-0.754

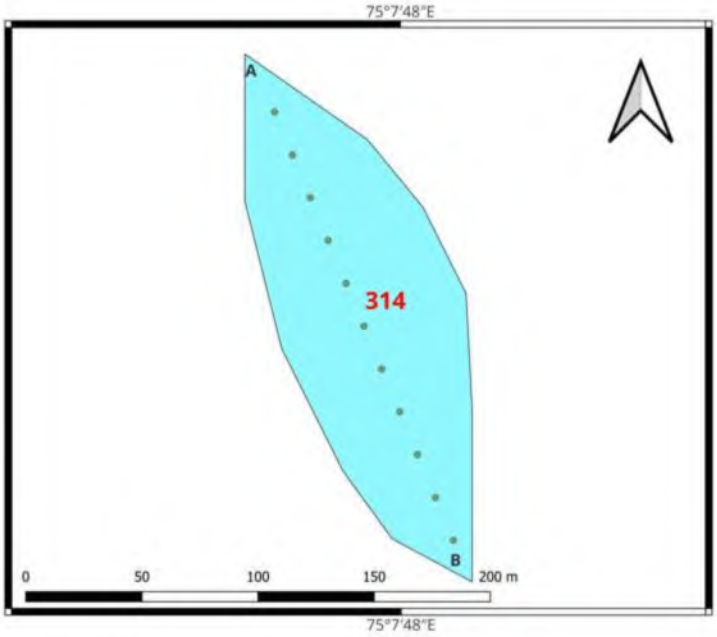
Site: 313

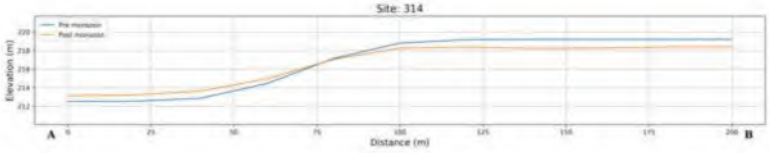




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	219.216	218.743	-0.473
2	20	219.217	218.589	-0.628
3	40	219.217	218.370	-0.846
4	60	219.217	218.357	-0.861
5	80	219.218	218.510	-0.707
6	100	219.218	218.569	-0.649
7	120	219.219	218.566	-0.653
8	140	219.219	218.480	-0.740
9	160	219.219	218.327	-0.893
10	180	219.220	218.289	-0.931
11	200	219.221	218.322	-0.899
12	220	219.221	218.344	-0.878
		Avg Deposited		NA
		Avg Eroded		-0.763

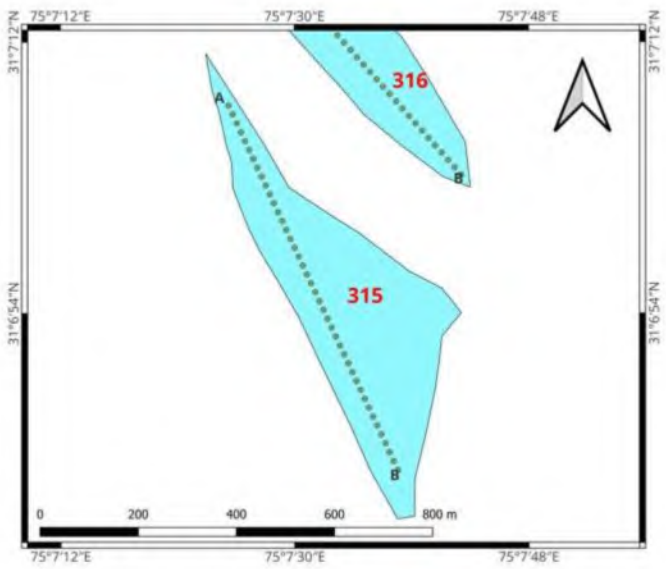
Site: 314

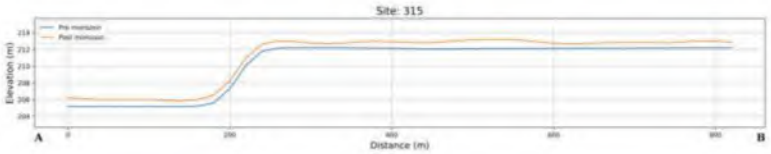




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	212.508	213.108	0.600
2	20	212.530	213.222	0.692
3	40	212.856	213.622	0.767
4	60	214.442	214.947	0.505
5	80	217.141	217.046	-0.095
6	100	218.799	218.268	-0.531
7	120	219.171	218.376	-0.795
8	140	219.204	218.245	-0.958
9	160	219.206	218.265	-0.942
10	180	219.208	218.373	-0.835
11	200	219.210	218.408	-0.802
		Avg Deposited		0.641
		Avg Eroded		-0.708

Site: 315

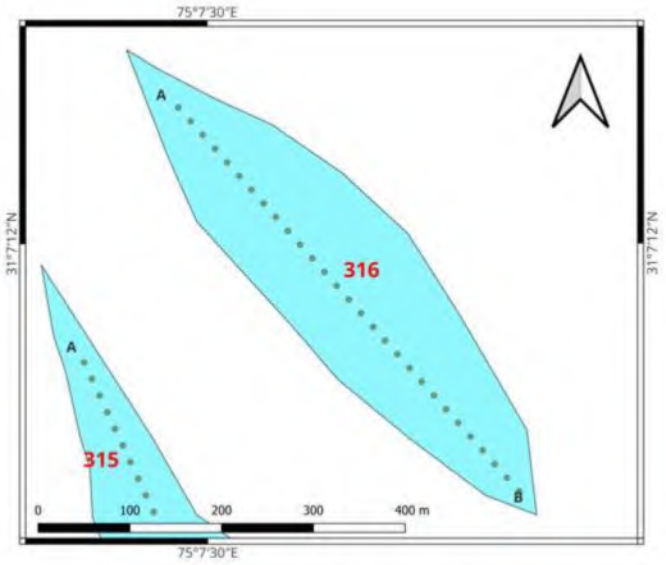


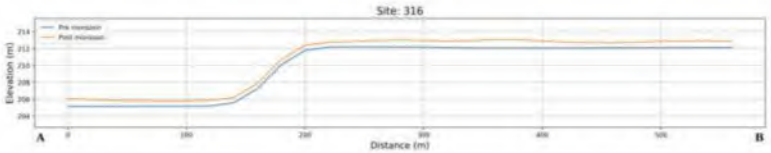


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.169	206.233	1.064
2	20	205.169	206.101	0.931
3	40	205.170	205.993	0.824
4	60	205.170	205.993	0.822
5	80	205.171	206.023	0.853
6	100	205.171	206.002	0.831
7	120	205.172	205.893	0.722
8	140	205.173	205.832	0.659
9	160	205.205	205.986	0.782
10	180	205.584	206.531	0.948
11	200	207.282	208.227	0.944
12	220	210.083	210.963	0.879
13	240	211.785	212.655	0.870
14	260	212.168	213.006	0.838
15	280	212.203	212.939	0.736
16	300	212.207	212.771	0.565
17	320	212.204	212.690	0.487
18	340	212.194	212.759	0.565
19	360	212.182	212.892	0.710
20	380	212.166	212.950	0.784
21	400	212.138	212.902	0.765
22	420	212.101	212.845	0.744
23	440	212.082	212.802	0.719
24	460	212.084	212.860	0.776

25	480	212.090	213.044	0.953
26	500	212.097	213.172	1.074
27	520	212.104	213.210	1.106
28	540	212.111	213.213	1.102
29	560	212.118	213.120	1.002
30	580	212.125	212.923	0.798
31	600	212.132	212.750	0.618
32	620	212.139	212.682	0.544
33	640	212.146	212.713	0.568
34	660	212.152	212.795	0.643
35	680	212.158	212.827	0.669
36	700	212.165	212.836	0.671
37	720	212.172	212.831	0.659
38	740	212.180	212.805	0.625
39	760	212.187	212.878	0.692
40	780	212.193	213.012	0.819
41	800	212.199	212.995	0.795
42	820	212.203	212.847	0.644
		Avg Deposited		0.781
		Avg Eroded		NA

Site: 316

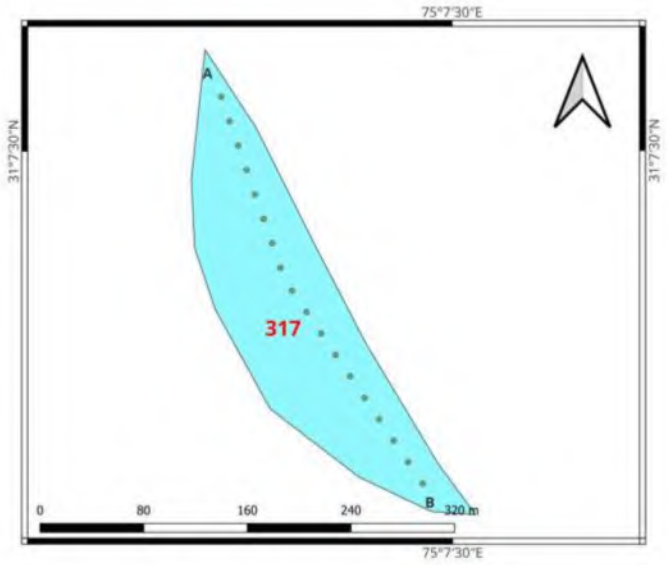


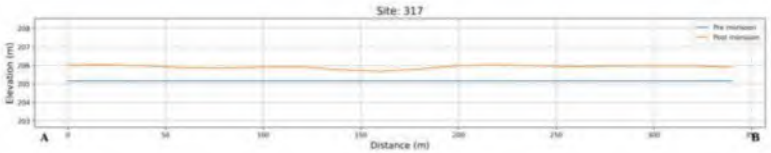


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.161	206.078	0.917
2	20	205.161	205.936	0.775
3	40	205.162	205.831	0.669
4	60	205.162	205.812	0.650
5	80	205.162	205.791	0.628
6	100	205.164	205.789	0.625
7	120	205.195	205.850	0.655
8	140	205.574	206.187	0.613
9	160	207.273	207.857	0.584
10	180	210.075	210.688	0.613
11	200	211.778	212.385	0.606
12	220	212.162	212.739	0.576
13	240	212.194	212.817	0.623
14	260	212.187	212.943	0.756
15	280	212.178	213.017	0.840
16	300	212.163	212.940	0.777
17	320	212.123	212.885	0.762
18	340	212.072	212.941	0.869
19	360	212.048	213.053	1.005
20	380	212.049	213.056	1.007
21	400	212.056	212.893	0.837
22	420	212.064	212.747	0.683
23	440	212.071	212.695	0.624
24	460	212.079	212.682	0.603

25	480	212.087	212.739	0.652
26	500	212.095	212.834	0.740
27	520	212.102	212.885	0.783
28	540	212.110	212.901	0.791
29	560	212.115	212.834	0.719
		Avg Deposited		0.723
		Avg Eroded		NA

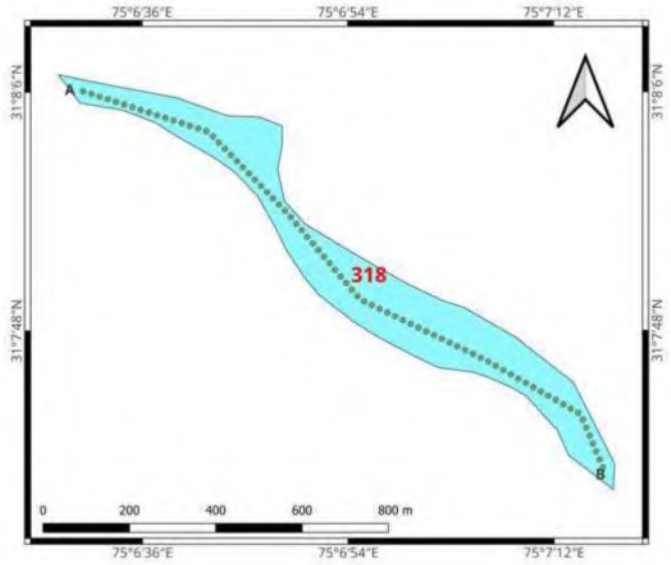
Site: 317

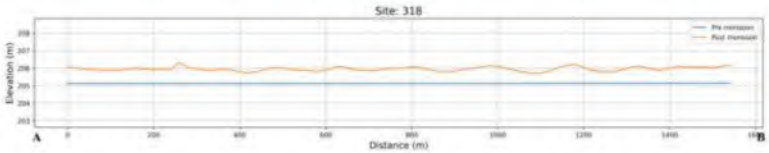




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.149	206.019	0.870
2	20	205.150	206.038	0.888
3	40	205.150	205.970	0.820
4	60	205.151	205.868	0.718
5	80	205.151	205.851	0.700
6	100	205.152	205.903	0.751
7	120	205.152	205.914	0.762
8	140	205.153	205.766	0.613
9	160	205.153	205.680	0.526
10	180	205.154	205.804	0.651
11	200	205.154	205.983	0.829
12	220	205.154	206.028	0.874
13	240	205.155	205.976	0.821
14	260	205.155	205.940	0.784
15	280	205.156	205.964	0.808
16	300	205.156	205.975	0.819
17	320	205.156	205.977	0.821
18	340	205.157	205.899	0.743
		Avg Deposited		0.767
		Avg Eroded		NA

Site: 318



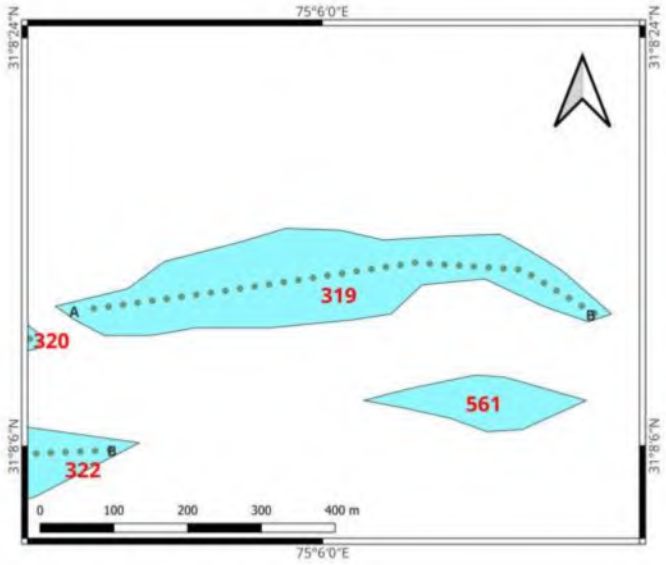


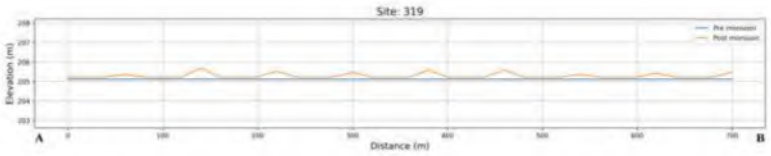
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.122	206.062	0.940
2	20	205.122	206.011	0.889
3	40	205.122	205.930	0.807
4	60	205.123	205.914	0.792
5	80	205.123	205.886	0.763
6	100	205.123	205.880	0.757
7	120	205.123	205.891	0.768
8	140	205.123	205.958	0.835
9	160	205.123	205.980	0.857
10	180	205.124	205.951	0.828
11	200	205.124	205.920	0.796
12	220	205.124	205.926	0.802
13	240	205.124	205.925	0.801
14	260	205.124	206.334	0.986
15	280	205.124	206.005	0.881
16	300	205.125	205.977	0.852
17	320	205.125	205.872	0.747
18	340	205.125	205.887	0.761
19	360	205.126	205.923	0.797
20	380	205.126	205.901	0.775
21	400	205.126	205.777	0.651
22	420	205.127	205.723	0.596
23	440	205.127	205.794	0.667
24	460	205.127	205.926	0.798

25	480	205.128	206.038	0.910
26	500	205.128	206.010	0.881
27	520	205.129	205.914	0.786
28	540	205.129	205.863	0.734
29	560	205.129	205.869	0.740
30	580	205.130	205.817	0.687
31	600	205.130	205.858	0.728
32	620	205.130	206.049	0.918
33	640	205.131	206.083	0.952
34	660	205.131	205.942	0.811
35	680	205.132	205.869	0.737
36	700	205.132	205.859	0.727
37	720	205.133	205.872	0.739
38	740	205.133	205.963	0.830
39	760	205.133	205.987	0.854
40	780	205.134	205.997	0.864
41	800	205.134	206.079	0.945
42	820	205.134	206.042	0.908
43	840	205.135	205.898	0.764
44	860	205.135	205.829	0.694
45	880	205.135	205.802	0.666
46	900	205.135	205.826	0.690
47	920	205.136	205.920	0.784
48	940	205.136	205.999	0.863
49	960	205.136	206.061	0.925
50	980	205.136	206.139	1.003
51	1000	205.136	206.111	0.975
52	1020	205.137	205.989	0.852
53	1040	205.137	205.884	0.747
54	1060	205.137	205.776	0.639
55	1080	205.137	205.706	0.568
56	1100	205.138	205.714	0.576
57	1120	205.138	205.835	0.697
58	1140	205.138	206.019	0.881
59	1160	205.138	206.178	1.040
60	1180	205.138	206.201	1.063
61	1200	205.139	206.050	0.911
62	1220	205.139	205.868	0.729
63	1240	205.139	205.816	0.677
64	1260	205.139	205.802	0.663
65	1280	205.140	205.836	0.696
66	1300	205.140	205.998	0.858
67	1320	205.140	206.108	0.968
68	1340	205.140	206.057	0.917
69	1360	205.141	205.923	0.783
70	1380	205.141	205.868	0.727
71	1400	205.141	206.004	0.862
72	1420	205.142	206.094	0.953
73	1440	205.142	206.051	0.909
74	1460	205.142	206.055	0.912
75	1480	205.143	206.051	0.908
76	1500	205.143	206.027	0.884

77	1520	205.144	206.101	0.957
78	1540	205.144	206.170	1.026
		Avg Deposited		0.814
		Avg Eroded		NA

Site: 319

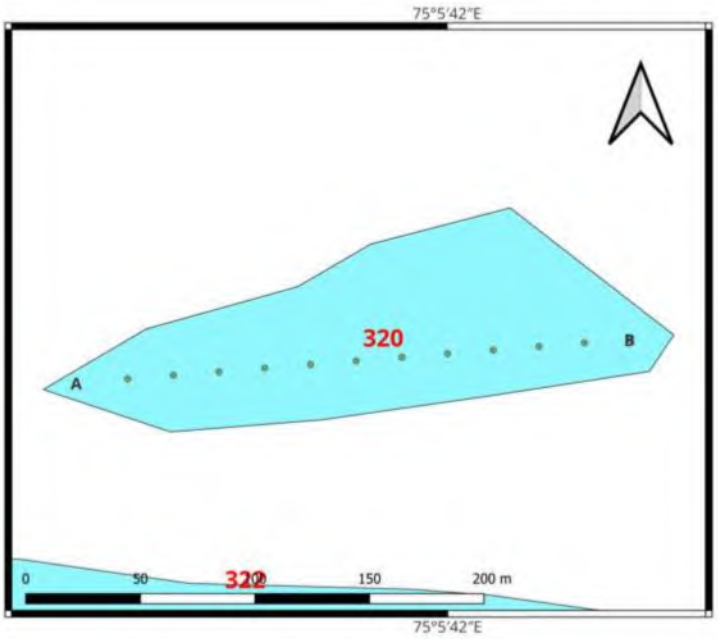




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.117	205.232	0.114
2	20	205.117	205.232	0.114
3	40	205.117	205.231	0.114
4	60	205.117	205.369	0.270
5	80	205.117	205.231	0.114
6	100	205.117	205.231	0.114
7	120	205.117	205.231	0.114
8	140	205.117	205.702	0.449
9	160	205.117	205.231	0.114
10	180	205.117	205.231	0.114
11	200	205.117	205.231	0.114
12	220	205.117	205.541	0.272
13	240	205.117	205.231	0.115
14	260	205.116	205.231	0.115
15	280	205.116	205.231	0.115
16	300	205.116	205.460	0.473
17	320	205.116	205.231	0.115
18	340	205.116	205.231	0.115
19	360	205.116	205.231	0.115
20	380	205.116	205.584	0.466
21	400	205.116	205.231	0.115
22	420	205.116	205.231	0.115
23	440	205.116	205.231	0.115
24	460	205.116	205.600	0.355

25	480	205.116	205.231	0.115
26	500	205.116	205.231	0.115
27	520	205.116	205.231	0.115
28	540	205.116	205.371	0.434
29	560	205.116	205.231	0.115
30	580	205.116	205.231	0.115
31	600	205.116	205.231	0.115
32	620	205.116	205.430	0.443
33	640	205.117	205.231	0.115
34	660	205.117	205.231	0.115
35	680	205.117	205.232	0.114
36	700	205.117	205.483	0.387
		Avg Deposited		0.115
		Avg Eroded		NA

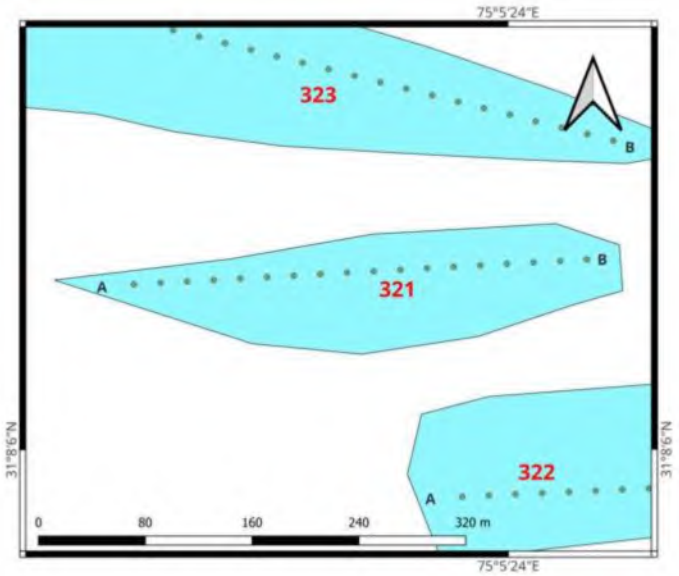
Site: 320

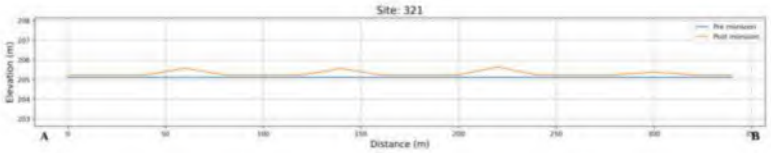




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.119	205.232	0.113
2	20	205.119	205.232	0.113
3	40	205.119	205.232	0.113
4	60	205.119	205.595	0.468
5	80	205.119	205.232	0.113
6	100	205.119	205.232	0.113
7	120	205.119	205.232	0.113
8	140	205.119	205.401	0.571
9	160	205.119	205.232	0.113
10	180	205.119	205.232	0.113
11	200	205.119	205.232	0.113
12	220	205.119	205.408	0.566
		Avg Deposited		0.113
		Avg Eroded		NA

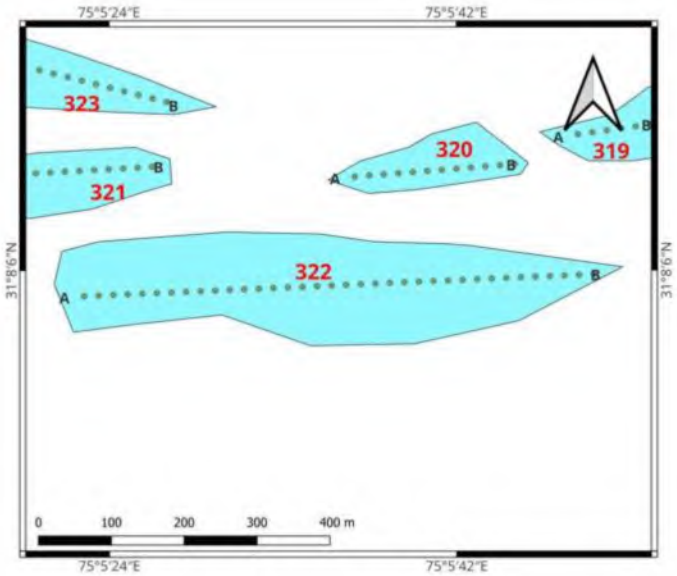
Site: 321

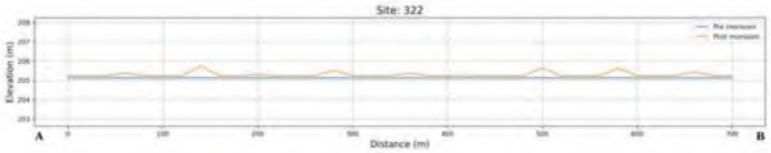




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.120	205.232	0.113
2	20	205.120	205.232	0.113
3	40	205.120	205.232	0.113
4	60	205.120	205.578	0.430
5	80	205.120	205.232	0.113
6	100	205.120	205.232	0.113
7	120	205.120	205.232	0.113
8	140	205.120	205.561	0.307
9	160	205.120	205.232	0.113
10	180	205.120	205.232	0.113
11	200	205.120	205.232	0.113
12	220	205.119	205.647	0.448
13	240	205.119	205.232	0.113
14	260	205.119	205.232	0.113
15	280	205.119	205.232	0.113
16	300	205.119	205.380	0.246
17	320	205.119	205.232	0.113
18	340	205.119	205.232	0.113
		Avg Deposited		0.113
		Avg Eroded		NA

Site: 322

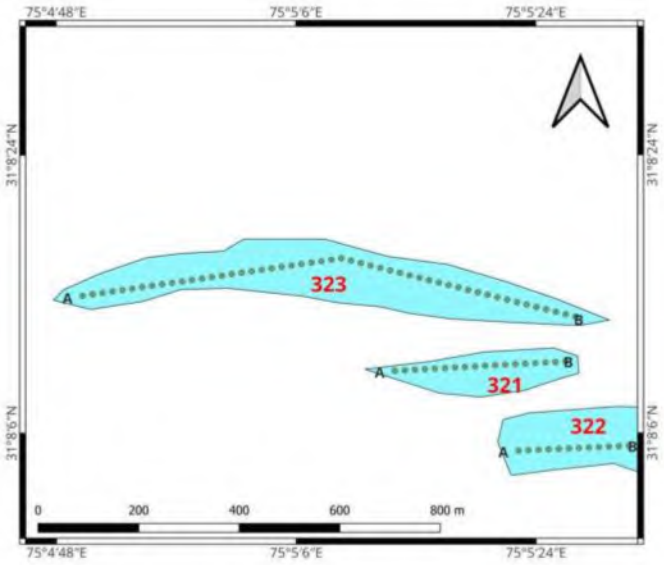


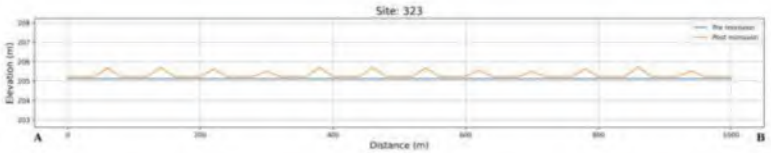


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.125	205.235	0.110
2	20	205.125	205.235	0.110
3	40	205.124	205.235	0.111
4	60	205.124	205.370	0.597
5	80	205.124	205.235	0.110
6	100	205.124	205.235	0.110
7	120	205.124	205.235	0.110
8	140	205.124	205.734	0.484
9	160	205.124	205.235	0.110
10	180	205.124	205.235	0.110
11	200	205.124	205.291	0.111
12	220	205.124	205.235	0.594
13	240	205.124	205.235	0.111
14	260	205.124	205.235	0.111
15	280	205.124	205.521	0.111
16	300	205.124	205.235	0.582
17	320	205.124	205.235	0.111
18	340	205.124	205.235	0.111
19	360	205.124	205.360	0.111
20	380	205.124	205.235	0.399
21	400	205.124	205.235	0.111
22	420	205.124	205.259	0.111
23	440	205.124	205.235	0.111

24	460	205.124	205.235	0.553
25	480	205.124	205.235	0.111
26	500	205.123	205.625	0.111
27	520	205.123	205.235	0.111
28	540	205.123	205.234	0.341
29	560	205.123	205.234	0.111
30	580	205.123	205.613	0.111
31	600	205.123	205.234	0.111
32	620	205.123	205.234	0.475
33	640	205.123	205.234	0.111
34	660	205.123	205.438	0.111
35	680	205.123	205.234	0.111
36	700	205.123	205.234	0.267
		Avg Deposited		0.111
		Avg Eroded		NA

Site: 323

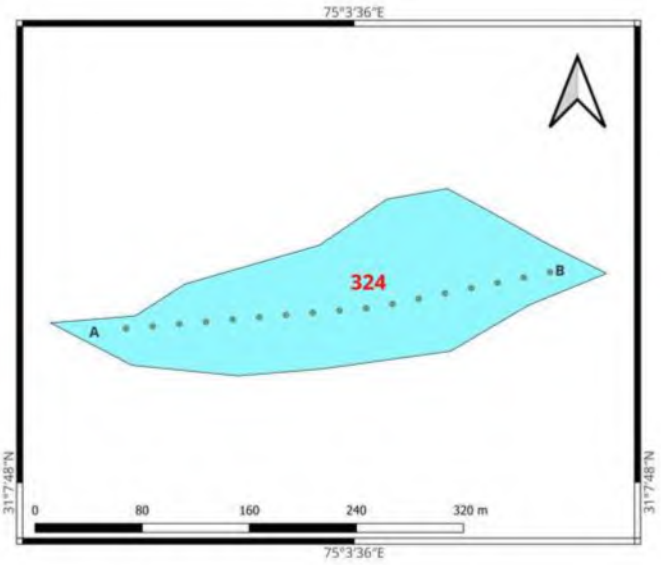


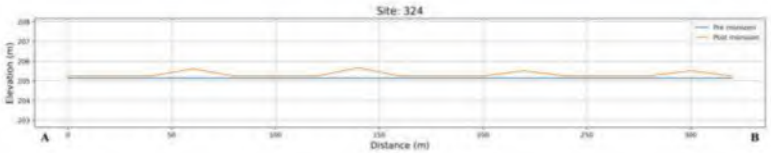


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.115	205.230	0.115
2	20	205.115	205.230	0.115
3	40	205.115	205.230	0.115
4	60	205.115	205.656	0.345
5	80	205.115	205.230	0.115
6	100	205.115	205.230	0.115
7	120	205.115	205.230	0.115
8	140	205.115	205.696	0.385
9	160	205.115	205.230	0.115
10	180	205.115	205.230	0.115
11	200	205.115	205.230	0.115
12	220	205.115	205.613	0.250
13	240	205.114	205.230	0.115
14	260	205.114	205.230	0.115
15	280	205.114	205.230	0.115
16	300	205.114	205.504	0.293
17	320	205.114	205.229	0.116
18	340	205.114	205.229	0.116
19	360	205.114	205.229	0.116
20	380	205.114	205.701	0.279
21	400	205.114	205.229	0.116
22	420	205.114	205.229	0.116
23	440	205.113	205.229	0.116
24	460	205.113	205.700	0.407

25	480	205.113	205.229	0.116
26	500	205.113	205.229	0.116
27	520	205.113	205.229	0.116
28	540	205.113	205.689	0.264
29	560	205.113	205.229	0.116
30	580	205.113	205.229	0.116
31	600	205.114	205.229	0.116
32	620	205.114	205.556	0.455
33	640	205.114	205.229	0.116
34	660	205.114	205.230	0.116
35	680	205.114	205.230	0.115
36	700	205.114	205.485	0.403
37	720	205.114	205.230	0.115
38	740	205.115	205.230	0.115
39	760	205.115	205.230	0.115
40	780	205.115	205.627	0.312
41	800	205.115	205.230	0.115
42	820	205.115	205.230	0.115
43	840	205.115	205.230	0.115
44	860	205.116	205.721	0.560
45	880	205.116	205.230	0.115
46	900	205.116	205.230	0.115
47	920	205.116	205.231	0.115
48	940	205.116	205.506	0.377
49	960	205.116	205.231	0.115
50	980	205.116	205.231	0.115
51	1000	205.116	205.231	0.114
		Avg Deposited		0.590
		Avg Eroded		NA

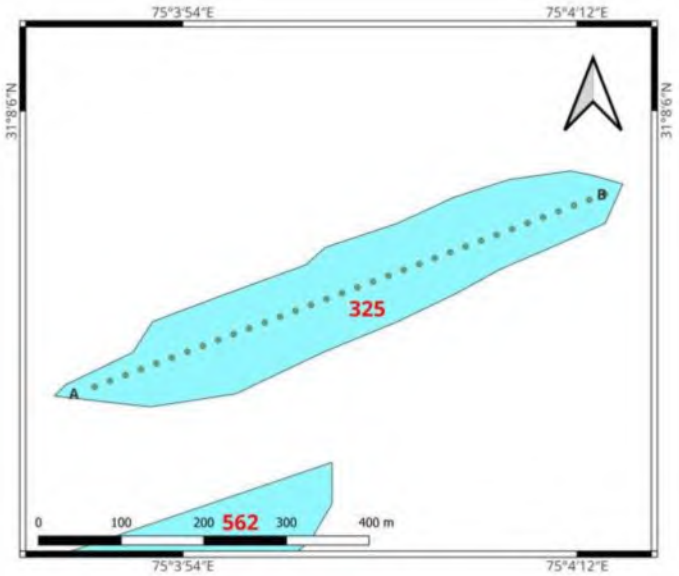
Site: 324

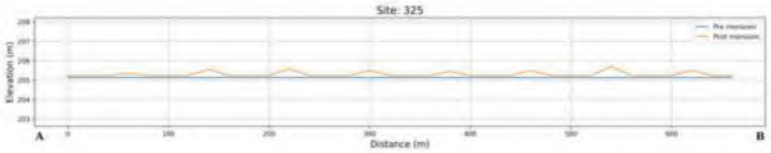




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.146	205.245	0.099
2	20	205.146	205.245	0.099
3	40	205.146	205.245	0.099
4	60	205.145	205.616	0.257
5	80	205.145	205.245	0.100
6	100	205.145	205.245	0.100
7	120	205.145	205.245	0.100
8	140	205.145	205.667	0.478
9	160	205.145	205.245	0.100
10	180	205.145	205.245	0.100
11	200	205.144	205.244	0.100
12	220	205.144	205.515	0.541
13	240	205.144	205.244	0.100
14	260	205.144	205.244	0.100
15	280	205.143	205.244	0.101
16	300	205.143	205.517	0.552
17	320	205.143	205.244	0.101
		Avg Deposited		0.100
		Avg Eroded		NA

Site: 325

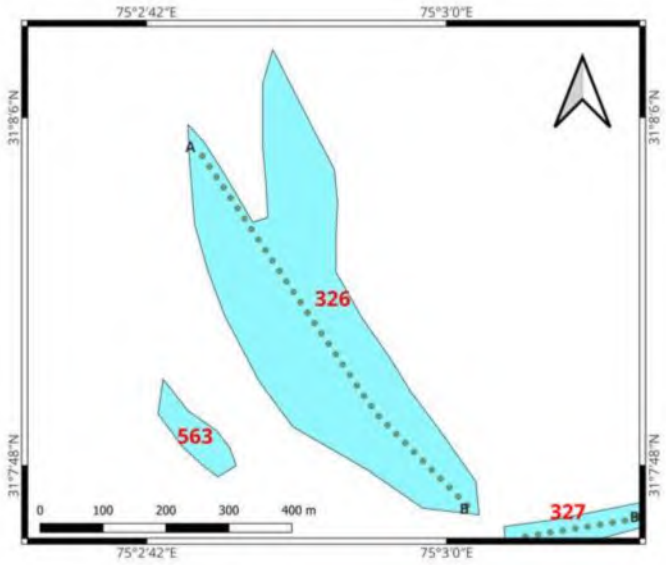


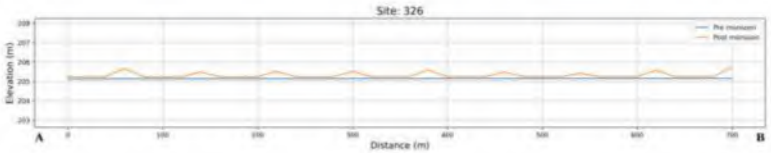


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.140	205.242	0.102
2	20	205.139	205.242	0.102
3	40	205.139	205.242	0.103
4	60	205.139	205.359	0.454
5	80	205.138	205.241	0.103
6	100	205.138	205.241	0.103
7	120	205.138	205.241	0.103
8	140	205.137	205.560	0.492
9	160	205.137	205.241	0.104
10	180	205.137	205.241	0.104
11	200	205.137	205.240	0.104
12	220	205.136	205.579	0.207
13	240	205.136	205.240	0.104
14	260	205.135	205.240	0.104
15	280	205.135	205.240	0.105
16	300	205.135	205.499	0.222
17	320	205.135	205.239	0.105
18	340	205.134	205.239	0.105
19	360	205.134	205.239	0.105
20	380	205.134	205.454	0.234
21	400	205.133	205.239	0.106
22	420	205.133	205.239	0.106
23	440	205.133	205.238	0.106

24	460	205.132	205.493	0.451
25	480	205.132	205.238	0.106
26	500	205.132	205.238	0.106
27	520	205.132	205.238	0.106
28	540	205.131	205.707	0.427
29	560	205.131	205.238	0.107
30	580	205.131	205.237	0.107
31	600	205.130	205.237	0.107
32	620	205.130	205.503	0.600
33	640	205.130	205.237	0.107
34	660	205.130	205.237	0.107
		Avg Deposited		0.105
		Avg Eroded		NA

Site: 326

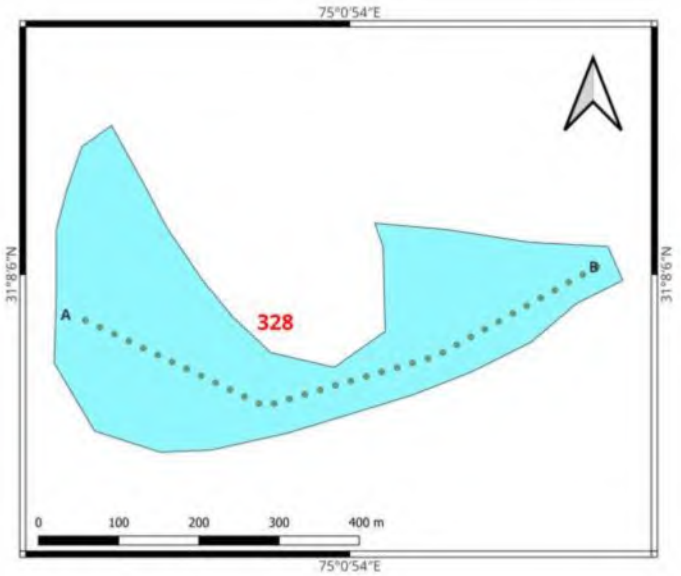


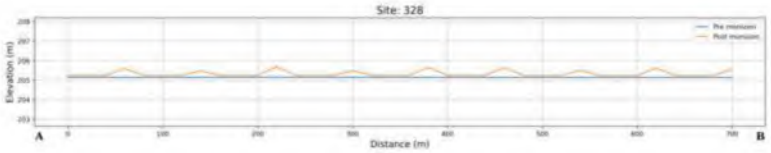


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.134	205.238	0.105
2	20	205.134	205.239	0.105
3	40	205.135	205.239	0.104
4	60	205.135	205.672	0.390
5	80	205.136	205.240	0.104
6	100	205.137	205.240	0.103
7	120	205.138	205.241	0.103
8	140	205.138	205.482	0.464
9	160	205.139	205.241	0.102
10	180	205.140	205.242	0.102
11	200	205.141	205.242	0.102
12	220	205.141	205.513	0.276
13	240	205.142	205.243	0.101
14	260	205.143	205.243	0.101
15	280	205.143	205.244	0.100
16	300	205.144	205.516	0.538
17	320	205.145	205.244	0.100
18	340	205.146	205.245	0.099
19	360	205.146	205.245	0.099
20	380	205.147	205.592	0.206
21	400	205.148	205.246	0.098
22	420	205.148	205.246	0.098
23	440	205.149	205.247	0.098
24	460	205.150	205.488	0.223

25	480	205.150	205.247	0.097
26	500	205.151	205.248	0.097
27	520	205.152	205.248	0.096
28	540	205.152	205.417	0.507
29	560	205.153	205.249	0.096
30	580	205.153	205.249	0.096
31	600	205.154	205.249	0.095
32	620	205.155	205.571	0.508
33	640	205.155	205.250	0.095
34	660	205.156	205.250	0.095
35	680	205.156	205.251	0.094
36	700	205.157	205.745	0.304
		Avg Deposited		0.099
		Avg Eroded		NA

Site: 328

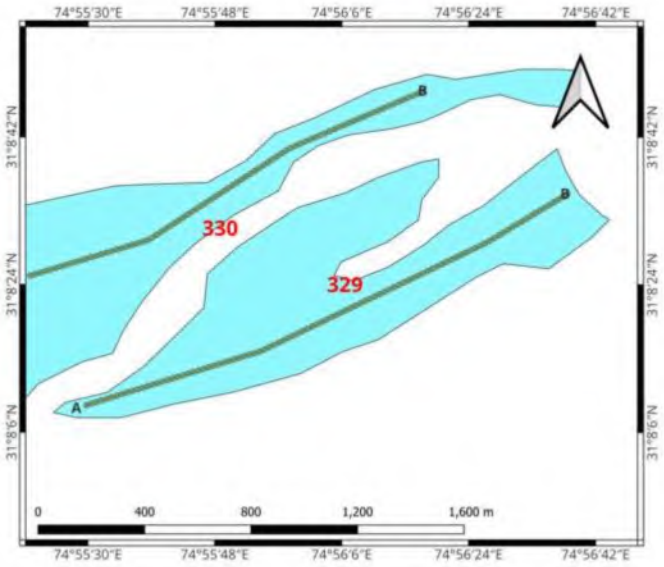


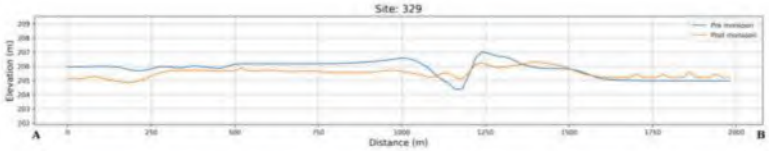


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.149	205.246	0.097
2	20	205.149	205.246	0.097
3	40	205.150	205.246	0.097
4	60	205.150	205.598	0.434
5	80	205.150	205.247	0.096
6	100	205.151	205.247	0.096
7	120	205.151	205.247	0.096
8	140	205.152	205.480	0.400
9	160	205.152	205.248	0.096
10	180	205.153	205.248	0.095
11	200	205.153	205.248	0.095
12	220	205.154	205.694	0.302
13	240	205.154	205.249	0.095
14	260	205.153	205.249	0.095
15	280	205.153	205.248	0.095
16	300	205.153	205.487	0.221
17	320	205.152	205.248	0.096
18	340	205.152	205.247	0.096
19	360	205.151	205.247	0.096
20	380	205.151	205.655	0.310
21	400	205.150	205.247	0.096
22	420	205.150	205.246	0.097
23	440	205.149	205.246	0.097

24	460	205.149	205.636	0.294
25	480	205.148	205.245	0.098
26	500	205.147	205.245	0.098
27	520	205.146	205.245	0.098
28	540	205.146	205.519	0.453
29	560	205.145	205.244	0.099
30	580	205.144	205.244	0.099
31	600	205.144	205.243	0.100
32	620	205.143	205.622	0.585
33	640	205.142	205.243	0.101
34	660	205.141	205.242	0.101
35	680	205.141	205.242	0.101
36	700	205.140	205.558	0.486
		Avg Deposited		0.097
		Avg Eroded		NA

Site: 329



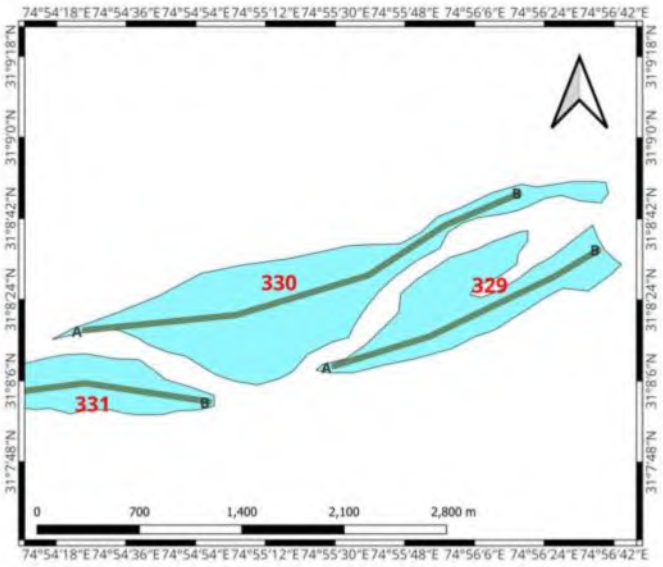


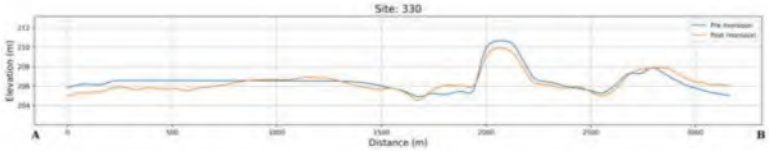
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.949	205.123	-0.826
2	20	205.957	205.149	-0.808
3	40	205.962	205.115	-0.848
4	60	205.973	205.210	-0.764
5	80	205.991	205.296	-0.695
6	100	205.997	205.190	-0.807
7	120	205.992	205.051	-0.941
8	140	205.973	204.984	-0.989
9	160	205.901	204.898	-1.003
10	180	205.781	204.844	-0.936
11	200	205.697	204.895	-0.802
12	220	205.682	205.012	-0.669
13	240	205.754	205.189	-0.565
14	260	205.892	205.413	-0.479
15	280	205.974	205.575	-0.399
16	300	205.970	205.651	-0.319
17	320	205.905	205.688	-0.218
18	340	205.881	205.707	-0.173
19	360	205.978	205.721	-0.257
20	380	206.025	205.722	-0.303
21	400	205.981	205.710	-0.271
22	420	205.934	205.695	-0.239
23	440	205.875	205.679	-0.196

24	460	205.872	205.666	-0.206
25	480	206.019	205.660	-0.359
26	500	206.145	205.666	-0.478
27	520	206.176	205.888	-0.501
28	540	206.178	205.675	-0.503
29	560	206.178	205.681	-0.497
30	580	206.178	205.701	-0.477
31	600	206.177	205.719	-0.458
32	620	206.176	205.703	-0.473
33	640	206.175	205.659	-0.516
34	660	206.175	205.638	-0.536
35	680	206.175	205.645	-0.530
36	700	206.177	205.657	-0.520
37	720	206.179	205.666	-0.513
38	740	206.181	205.663	-0.517
39	760	206.182	205.634	-0.548
40	780	206.187	205.582	-0.604
41	800	206.194	205.546	-0.649
42	820	206.206	205.551	-0.655
43	840	206.224	205.564	-0.660
44	860	206.249	205.555	-0.694
45	880	206.281	205.544	-0.736
46	900	206.314	205.559	-0.755
47	920	206.348	205.605	-0.744
48	940	206.390	205.664	-0.726
49	960	206.448	205.713	-0.734
50	980	206.524	205.711	-0.814
51	1000	206.580	205.643	-0.937
52	1020	206.546	205.556	-0.990
53	1040	206.407	205.488	-0.919
54	1060	206.186	205.373	-0.813
55	1080	205.864	205.211	-0.653
56	1100	205.421	205.262	-0.160
57	1120	205.059	205.520	0.461
58	1140	204.783	205.522	0.738
59	1160	204.366	205.204	0.839
60	1180	204.400	205.104	0.704
61	1200	205.358	205.539	0.180
62	1220	206.544	206.112	-0.433
63	1240	207.024	206.243	-0.781
64	1260	206.911	206.067	-0.844
65	1280	206.734	205.921	-0.813
66	1300	206.692	205.909	-0.783
67	1320	206.593	206.008	-0.585
68	1340	206.363	206.071	-0.292
69	1360	206.150	206.136	-0.014
70	1380	206.009	206.255	0.246
71	1400	205.911	206.300	0.389
72	1420	205.851	206.257	0.406
73	1440	205.837	206.195	0.358
74	1460	205.845	206.119	0.274
75	1480	205.838	206.003	0.165

76	1500	205.796	205.843	0.047
77	1520	205.722	205.660	-0.062
78	1540	205.596	205.490	-0.106
79	1560	205.409	205.367	-0.042
80	1580	205.222	205.291	0.068
81	1600	205.113	205.248	0.135
82	1620	205.071	205.225	0.154
83	1640	205.047	205.211	0.164
84	1660	205.025	205.202	0.177
85	1680	205.008	205.197	0.189
86	1700	204.997	205.464	0.198
87	1720	204.991	205.195	0.204
88	1740	204.987	205.195	0.425
89	1760	204.984	205.195	0.211
90	1780	204.981	205.455	0.214
91	1800	204.979	205.195	0.217
92	1820	204.977	205.195	0.700
93	1840	204.976	205.196	0.220
94	1860	204.975	205.590	0.222
95	1880	204.974	205.196	0.222
96	1900	204.973	205.197	0.535
97	1920	204.973	205.197	0.225
98	1940	204.972	205.452	0.225
99	1960	204.972	205.197	0.226
100	1980	204.971	205.197	0.653
		Avg Deposited		0.271
		Avg Eroded		-0.569

Site: 330





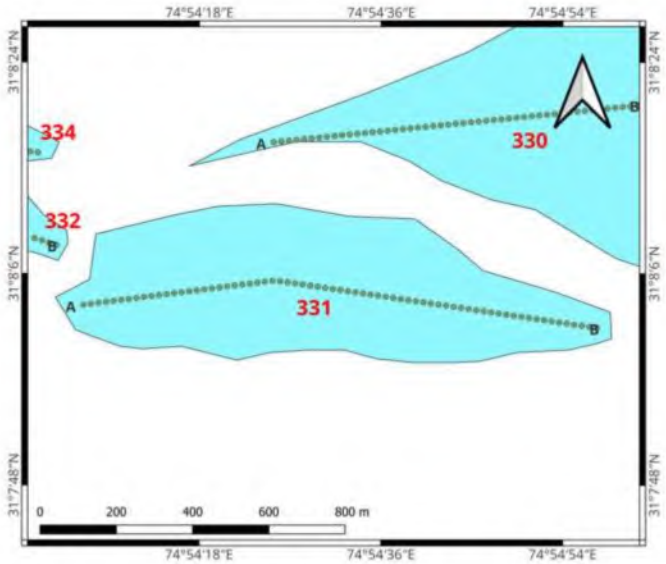
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.868	204.997	-0.871
2	20	205.945	205.088	-0.857
3	40	206.078	205.260	-0.818
4	60	206.166	205.294	-0.872
5	80	206.194	205.241	-0.953
6	100	206.185	205.289	-0.897
7	120	206.157	205.396	-0.761
8	140	206.150	205.398	-0.752
9	160	206.158	205.370	-0.787
10	180	206.238	205.529	-0.709
11	200	206.416	205.738	-0.678
12	220	206.534	205.808	-0.726
13	240	206.562	205.893	-0.669
14	260	206.564	205.913	-0.651
15	280	206.563	205.820	-0.743
16	300	206.563	205.739	-0.824
17	320	206.563	205.638	-0.925
18	340	206.563	205.625	-0.937
19	360	206.562	205.748	-0.814
20	380	206.562	205.812	-0.749
21	400	206.562	205.797	-0.765
22	420	206.561	205.772	-0.789
23	440	206.561	205.733	-0.828

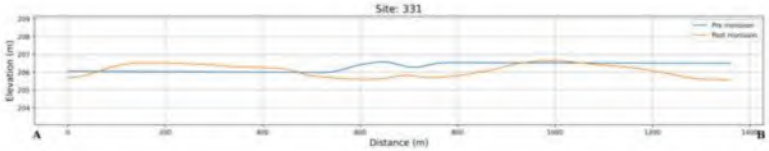
24	460	206.561	205.681	-0.880
25	480	206.560	205.686	-0.875
26	500	206.560	205.715	-0.845
27	520	206.560	205.740	-0.820
28	540	206.559	205.648	-0.912
29	560	206.559	205.509	-1.050
30	580	206.558	205.525	-1.033
31	600	206.558	205.670	-0.888
32	620	206.557	205.776	-0.781
33	640	206.557	205.821	-0.736
34	660	206.556	205.859	-0.698
35	680	206.556	205.907	-0.649
36	700	206.555	205.962	-0.593
37	720	206.555	206.022	-0.533
38	740	206.554	206.086	-0.468
39	760	206.553	206.163	-0.390
40	780	206.552	206.250	-0.302
41	800	206.551	206.339	-0.213
42	820	206.551	206.421	-0.130
43	840	206.550	206.490	-0.060
44	860	206.549	206.544	-0.005
45	880	206.547	206.583	0.036
46	900	206.546	206.610	0.064
47	920	206.545	206.630	0.085
48	940	206.544	206.650	0.106
49	960	206.542	206.669	0.127
50	980	206.540	206.672	0.132
51	1000	206.539	206.652	0.113
52	1020	206.537	206.626	0.088
53	1040	206.536	206.618	0.082
54	1060	206.534	206.646	0.112
55	1080	206.533	206.709	0.176
56	1100	206.532	206.792	0.261
57	1120	206.530	206.863	0.333
58	1140	206.527	206.888	0.360
59	1160	206.525	206.871	0.346
60	1180	206.522	206.850	0.328
61	1200	206.519	206.840	0.321
62	1220	206.516	206.823	0.307
63	1240	206.512	206.781	0.269
64	1260	206.507	206.709	0.202
65	1280	206.502	206.618	0.116
66	1300	206.496	206.514	0.017
67	1320	206.489	206.402	-0.087
68	1340	206.473	206.283	-0.190
69	1360	206.444	206.148	-0.296
70	1380	206.406	206.026	-0.380
71	1400	206.363	205.939	-0.424
72	1420	206.318	205.876	-0.442
73	1440	206.271	205.800	-0.471
74	1460	206.204	205.710	-0.494
75	1480	206.106	205.652	-0.454

76	1500	205.997	205.657	-0.339
77	1520	205.898	205.727	-0.171
78	1540	205.799	205.786	-0.012
79	1560	205.738	205.765	0.027
80	1580	205.677	205.653	-0.024
81	1600	205.541	205.472	-0.069
82	1620	205.364	205.256	-0.108
83	1640	205.169	204.967	-0.203
84	1660	204.977	204.628	-0.349
85	1680	204.880	204.510	-0.370
86	1700	204.964	204.789	-0.175
87	1720	205.134	205.189	0.054
88	1740	205.237	205.533	0.296
89	1760	205.220	205.783	0.563
90	1780	205.135	205.951	0.816
91	1800	205.117	206.060	0.943
92	1820	205.187	206.093	0.906
93	1840	205.298	206.057	0.758
94	1860	205.409	206.049	0.640
95	1880	205.466	206.035	0.568
96	1900	205.371	205.948	0.578
97	1920	205.207	205.862	0.655
98	1940	205.577	205.973	0.396
99	1960	206.982	206.715	-0.267
100	1980	208.805	208.005	-0.800
101	2000	209.922	209.026	-0.896
102	2020	210.401	209.608	-0.793
103	2040	210.611	209.839	-0.772
104	2060	210.655	209.898	-0.757
105	2080	210.658	209.912	-0.746
106	2100	210.625	209.775	-0.850
107	2120	210.451	209.523	-0.928
108	2140	210.001	209.124	-0.877
109	2160	209.274	208.520	-0.754
110	2180	208.499	207.799	-0.700
111	2200	207.748	207.077	-0.671
112	2220	207.050	206.503	-0.547
113	2240	206.630	206.240	-0.390
114	2260	206.497	206.179	-0.318
115	2280	206.461	206.154	-0.307
116	2300	206.413	206.110	-0.303
117	2320	206.335	206.017	-0.318
118	2340	206.223	205.875	-0.348
119	2360	206.095	205.774	-0.321
120	2380	205.980	205.778	-0.202
121	2400	205.886	205.860	-0.025
122	2420	205.810	205.947	0.137
123	2440	205.749	205.945	0.196
124	2460	205.685	205.820	0.135
125	2480	205.610	205.605	-0.004
126	2500	205.511	205.384	-0.127
127	2520	205.386	205.188	-0.198

128	2540	205.275	205.017	-0.257
129	2560	205.281	204.974	-0.307
130	2580	205.489	205.132	-0.356
131	2600	205.805	205.389	-0.416
132	2620	206.135	205.695	-0.440
133	2640	206.538	206.127	-0.412
134	2660	206.976	206.651	-0.324
135	2680	207.262	207.142	-0.121
136	2700	207.333	207.445	0.113
137	2720	207.285	207.603	0.319
138	2740	207.292	207.718	0.426
139	2760	207.512	207.794	0.282
140	2780	207.831	207.831	0
141	2800	207.890	207.846	-0.044
142	2820	207.702	207.861	0.159
143	2840	207.440	207.877	0.436
144	2860	207.170	207.863	0.693
145	2880	206.898	207.726	0.827
146	2900	206.659	207.434	0.774
147	2920	206.464	207.168	0.704
148	2940	206.264	206.984	0.720
149	2960	206.061	206.757	0.696
150	2980	205.904	206.548	0.645
151	3000	205.792	206.426	0.634
152	3020	205.669	206.418	0.749
153	3040	205.531	206.356	0.825
154	3060	205.406	206.157	0.751
155	3080	205.317	206.103	0.785
156	3100	205.256	206.165	0.909
157	3120	205.183	206.141	0.958
158	3140	205.099	206.063	0.963
159	3160	205.043	206.051	1.008
		Avg Deposited		0.427
		Avg Eroded		-0.533

Site: 331

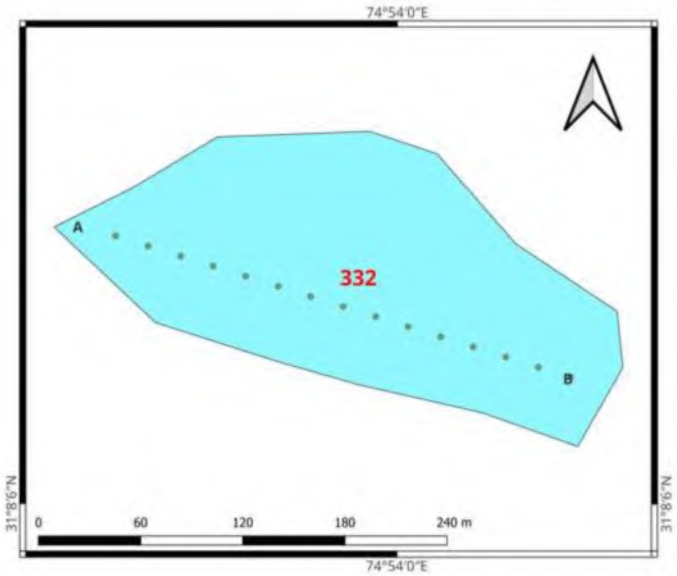


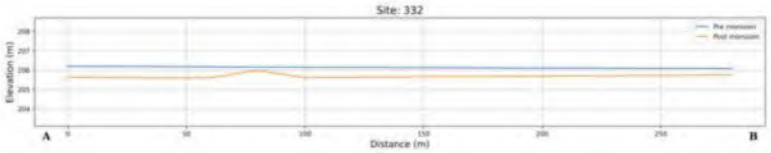


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	206.053	205.670	-0.382
2	20	206.052	205.730	-0.322
3	40	206.050	205.845	-0.205
4	60	206.049	206.009	-0.039
5	80	206.047	206.196	0.149
6	100	206.044	206.357	0.313
7	120	206.042	206.465	0.423
8	140	206.040	206.519	0.479
9	160	206.037	206.533	0.496
10	180	206.034	206.528	0.494
11	200	206.031	206.515	0.484
12	220	206.028	206.499	0.471
13	240	206.025	206.482	0.457
14	260	206.022	206.465	0.443
15	280	206.019	206.443	0.424
16	300	206.016	206.404	0.388
17	320	206.012	206.351	0.339
18	340	206.009	206.315	0.306
19	360	206.006	206.294	0.288
20	380	206.003	206.276	0.273
21	400	206	206.258	0.259
22	420	205.997	206.241	0.244
23	440	205.993	206.206	0.213

24	460	205.990	206.101	0.111
25	480	205.987	205.925	-0.061
26	500	205.984	205.802	-0.182
27	520	205.983	205.738	-0.245
28	540	206.004	205.694	-0.310
29	560	206.107	205.653	-0.454
30	580	206.285	205.620	-0.665
31	600	206.416	205.606	-0.809
32	620	206.504	205.606	-0.898
33	640	206.581	205.622	-0.959
34	660	206.557	205.687	-0.869
35	680	206.420	205.794	-0.627
36	700	206.289	205.832	-0.457
37	720	206.272	205.756	-0.516
38	740	206.403	205.688	-0.715
39	760	206.511	205.703	-0.808
40	780	206.537	205.748	-0.789
41	800	206.538	205.802	-0.736
42	820	206.538	205.888	-0.650
43	840	206.537	205.984	-0.553
44	860	206.536	206.069	-0.467
45	880	206.534	206.183	-0.351
46	900	206.533	206.338	-0.195
47	920	206.532	206.468	-0.064
48	940	206.531	206.553	0.022
49	960	206.530	206.611	0.081
50	980	206.529	206.641	0.113
51	1000	206.527	206.642	0.114
52	1020	206.526	206.613	0.087
53	1040	206.524	206.563	0.039
54	1060	206.523	206.507	-0.016
55	1080	206.522	206.449	-0.073
56	1100	206.520	206.397	-0.123
57	1120	206.519	206.357	-0.161
58	1140	206.517	206.316	-0.201
59	1160	206.515	206.252	-0.263
60	1180	206.514	206.164	-0.349
61	1200	206.512	206.075	-0.437
62	1220	206.510	205.986	-0.524
63	1240	206.508	205.882	-0.626
64	1260	206.506	205.761	-0.745
65	1280	206.505	205.658	-0.847
66	1300	206.503	205.608	-0.894
67	1320	206.500	205.610	-0.890
68	1340	206.499	205.592	-0.906
69	1360	206.497	205.536	-0.961
		Avg Deposited		0.289
		Avg Eroded		-0.496

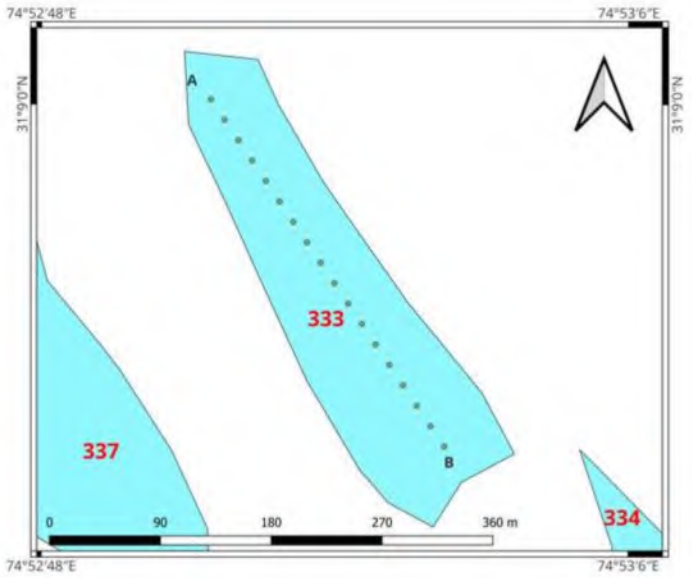
Site: 332

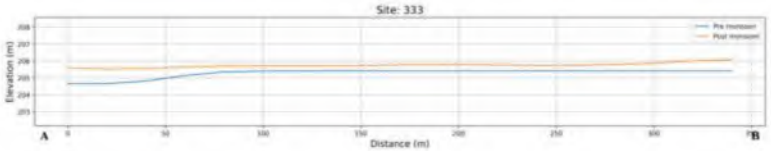




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	206.205	205.635	-0.570
2	20	206.197	205.608	-0.589
3	40	206.185	205.600	-0.585
4	60	206.173	205.602	-0.571
5	80	206.162	205.989	-0.559
6	100	206.152	205.615	-0.536
7	120	206.142	205.633	-0.510
8	140	206.133	205.648	-0.485
9	160	206.125	205.661	-0.464
10	180	206.117	205.674	-0.443
11	200	206.110	205.691	-0.419
12	220	206.104	205.707	-0.397
13	240	206.098	205.723	-0.375
14	260	206.092	205.742	-0.351
15	280	206.088	205.754	-0.335
		Avg Deposited		NA
		Avg Eroded		-0.479

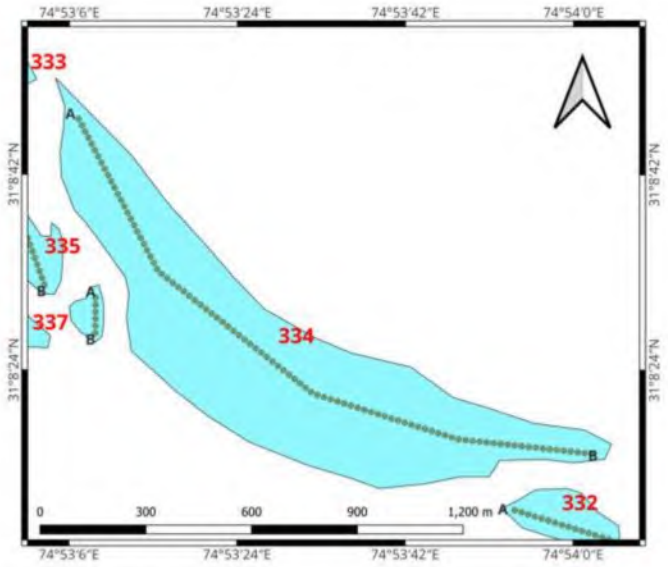
Site: 333

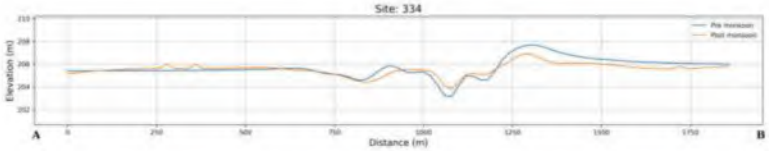




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	204.658	205.590	0.932
2	20	204.662	205.540	0.878
3	40	204.811	205.555	0.744
4	60	205.137	205.641	0.504
5	80	205.352	205.700	0.348
6	100	205.402	205.716	0.314
7	120	205.407	205.719	0.312
8	140	205.408	205.726	0.318
9	160	205.409	205.751	0.342
10	180	205.409	205.783	0.374
11	200	205.410	205.785	0.375
12	220	205.410	205.760	0.350
13	240	205.410	205.744	0.334
14	260	205.411	205.749	0.338
15	280	205.412	205.783	0.372
16	300	205.413	205.872	0.460
17	320	205.413	206.001	0.588
18	340	205.414	206.071	0.657
		Avg Deposited		0.475
		Avg Eroded		NA

Site: 334



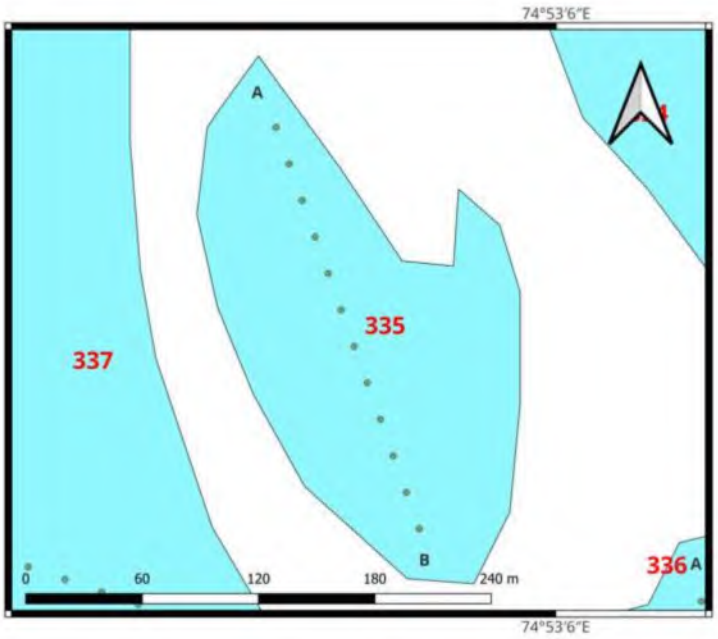


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.399	205.175	-0.224
2	20	205.400	205.203	-0.198
3	40	205.402	205.266	-0.136
4	60	205.404	205.351	-0.053
5	80	205.406	205.406	0
6	100	205.408	205.434	0.026
7	120	205.410	205.461	0.050
8	140	205.412	205.492	0.080
9	160	205.414	205.528	0.115
10	180	205.416	205.559	0.143
11	200	205.418	205.582	0.163
12	220	205.421	205.594	0.173
13	240	205.424	205.602	0.178
14	260	205.426	205.611	0.290
15	280	205.429	205.991	0.187
16	300	205.433	205.614	0.182
17	320	205.437	205.611	0.174
18	340	205.441	205.607	0.541
19	360	205.446	205.963	0.158
20	380	205.452	205.603	0.151
21	400	205.458	205.606	0.148
22	420	205.464	205.613	0.382
23	440	205.470	205.624	0.153

24	460	205.478	205.641	0.163
25	480	205.487	205.662	0.175
26	500	205.497	205.681	0.184
27	520	205.509	205.693	0.184
28	540	205.523	205.695	0.172
29	560	205.542	205.685	0.143
30	580	205.565	205.658	0.093
31	600	205.590	205.598	0.008
32	620	205.612	205.516	-0.096
33	640	205.622	205.464	-0.159
34	660	205.603	205.433	-0.170
35	680	205.518	205.394	-0.124
36	700	205.354	205.340	-0.014
37	720	205.189	205.270	0.082
38	740	205.110	205.172	0.061
39	760	205.082	205.036	-0.047
40	780	204.966	204.870	-0.096
41	800	204.738	204.662	-0.076
42	820	204.563	204.471	-0.092
43	840	204.655	204.410	-0.245
44	860	205.050	204.518	-0.532
45	880	205.522	204.789	-0.733
46	900	205.841	205.129	-0.711
47	920	205.767	205.371	-0.396
48	940	205.439	205.477	0.039
49	960	205.237	205.503	0.266
50	980	205.280	205.493	0.213
51	1000	205.321	205.472	0.151
52	1020	204.974	205.364	0.390
53	1040	204.141	204.883	0.741
54	1060	203.217	204.038	0.820
55	1080	203.160	203.810	0.649
56	1100	204.169	204.509	0.340
57	1120	204.925	205.056	0.131
58	1140	204.930	205.174	0.245
59	1160	204.601	205.107	0.506
60	1180	204.582	205.108	0.526
61	1200	205.341	205.471	0.130
62	1220	206.300	205.854	-0.446
63	1240	206.936	206.193	-0.743
64	1260	207.323	206.615	-0.708
65	1280	207.565	206.874	-0.691
66	1300	207.678	206.872	-0.806
67	1320	207.642	206.638	-1.004
68	1340	207.465	206.347	-1.118
69	1360	207.242	206.149	-1.093
70	1380	207.042	206.060	-0.983
71	1400	206.875	206.051	-0.824
72	1420	206.738	206.067	-0.671
73	1440	206.628	206.074	-0.554
74	1460	206.540	206.064	-0.475
75	1480	206.470	206.039	-0.431

76	1500	206.417	205.997	-0.420
77	1520	206.369	205.947	-0.422
78	1540	206.319	205.890	-0.429
79	1560	206.272	205.826	-0.446
80	1580	206.231	205.757	-0.475
81	1600	206.199	205.690	-0.508
82	1620	206.173	205.638	-0.536
83	1640	206.149	205.603	-0.545
84	1660	206.125	205.585	-0.540
85	1680	206.106	205.577	-0.529
86	1700	206.091	205.573	-0.519
87	1720	206.076	205.842	-0.506
88	1740	206.060	205.577	-0.483
89	1760	206.046	205.614	-0.432
90	1780	206.035	205.675	-0.360
91	1800	206.027	205.718	-0.309
92	1820	206.018	205.749	-0.269
93	1840	206.008	205.778	-0.230
94	1860	206.001	205.797	-0.204
		Avg Deposited		0.209
		Avg Eroded		-0.447

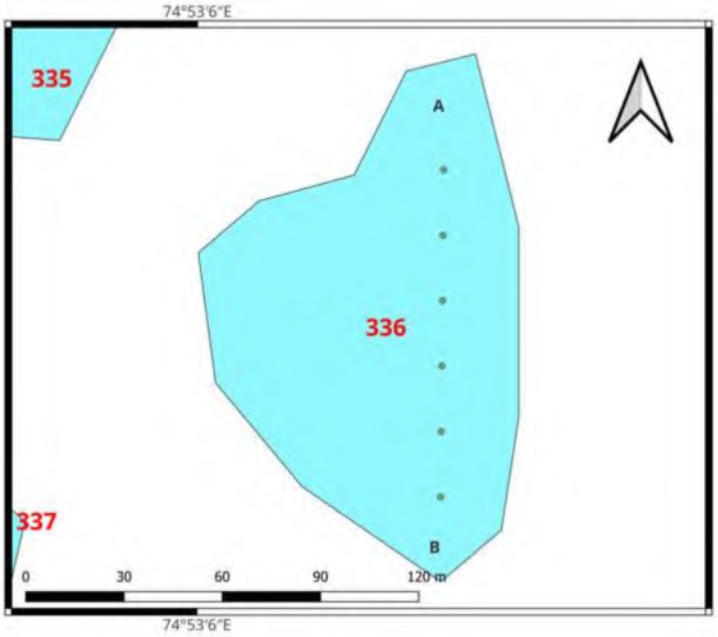
Site: 335

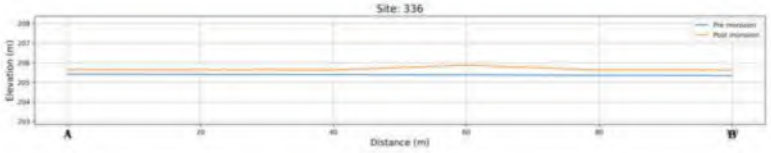




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.446	205.602	0.156
2	20	205.446	205.603	0.157
3	40	205.445	205.600	0.155
4	60	205.443	205.586	0.143
5	80	205.441	205.565	0.124
6	100	205.439	205.559	0.120
7	120	205.436	205.555	0.119
8	140	205.432	205.540	0.108
9	160	205.428	205.532	0.104
10	180	205.425	205.549	0.124
11	200	205.420	205.581	0.161
12	220	205.416	205.601	0.185
		Avg Deposited		0.138
		Avg Eroded		NA

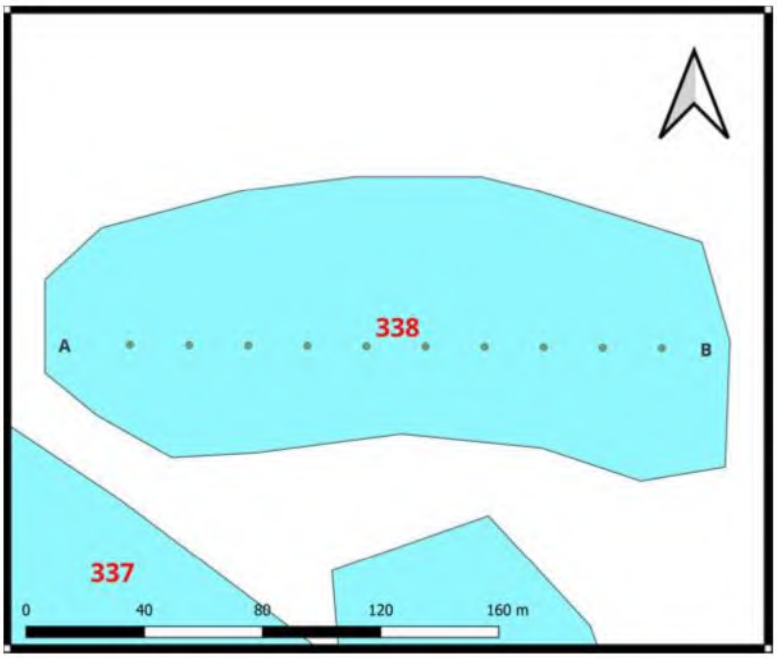
Site: 336

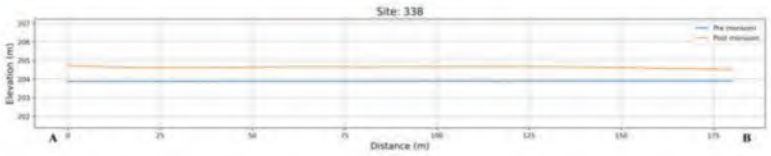




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	205.417	205.629	0.212
2	20	205.407	205.629	0.222
3	40	205.392	205.628	0.237
4	60	205.374	205.868	0.253
5	80	205.357	205.626	0.270
6	100	205.344	205.626	0.281
		Avg Deposited		0.246
		Avg Eroded		NA

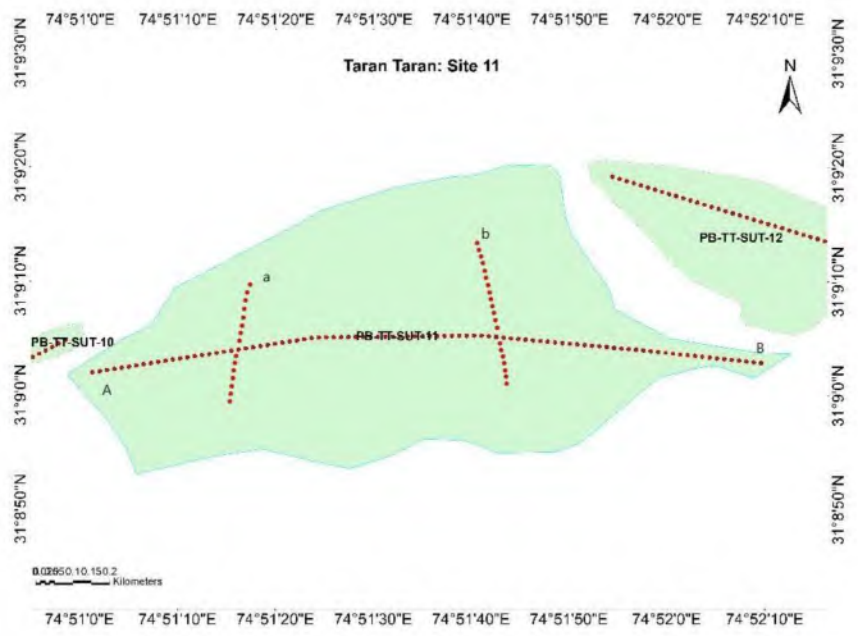
Site: 338

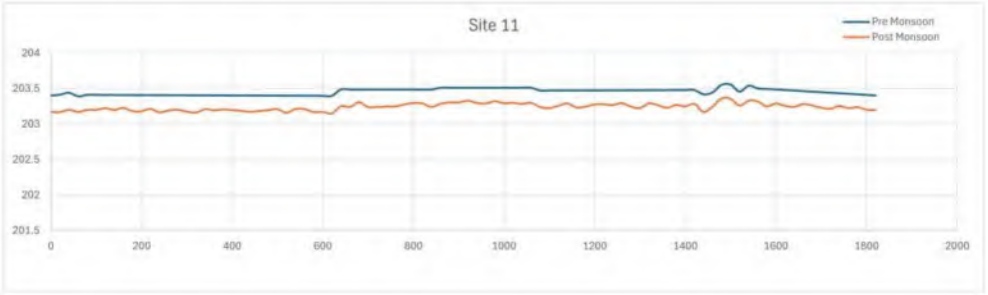




SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	203.864	204.729	0.865
2	20	203.867	204.609	0.742
3	40	203.871	204.620	0.749
4	60	203.875	204.669	0.794
5	80	203.879	204.664	0.785
6	100	203.883	204.669	0.786
7	120	203.887	204.683	0.796
8	140	203.890	204.659	0.769
9	160	203.893	204.578	0.684
10	180	203.895	204.519	0.624
		Avg Deposited		0.759
		Avg Eroded		NA

Taran Taran: Site 11





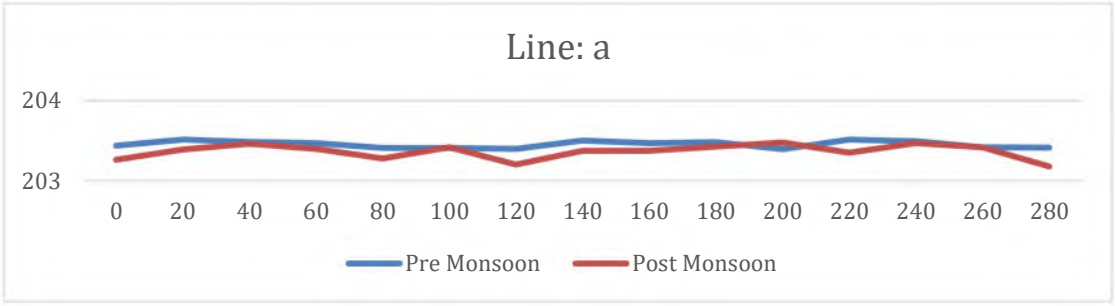
S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	203.401	203.17	-0.231
2	20	203.413	203.168	-0.245
3	40	203.44	203.201	-0.239
4	60	203.39	203.17	-0.22
5	80	203.41	203.199	-0.211
6	100	203.4093	203.1993	-0.21
7	120	203.4088	203.2228	-0.186
8	140	203.4083	203.1983	-0.21
9	160	203.4078	203.2258	-0.182
10	180	203.4073	203.1813	-0.226
11	200	203.4068	203.1798	-0.227
12	220	203.4063	203.2123	-0.194

13	240	203.4058	203.1638	-0.242
14	260	203.4053	203.1913	-0.214
15	280	203.4048	203.2018	-0.203
16	300	203.4043	203.1743	-0.23
17	320	203.4038	203.1608	-0.243
18	340	203.4033	203.2083	-0.195
19	360	203.4028	203.1938	-0.209
20	380	203.4023	203.2043	-0.198
21	400	203.4018	203.1968	-0.205
22	420	203.4013	203.1843	-0.217
23	440	203.4008	203.1728	-0.228
24	460	203.4003	203.1843	-0.216
25	480	203.3998	203.1958	-0.204
26	500	203.3993	203.2093	-0.19
27	520	203.3988	203.1578	-0.241
28	540	203.3983	203.2123	-0.186
29	560	203.3978	203.2088	-0.189
30	580	203.3973	203.1683	-0.229
31	600	203.3968	203.1708	-0.226
32	620	203.3963	203.1493	-0.247
33	640	203.4865	203.2495	-0.237
34	660	203.4864	203.2404	-0.246
35	680	203.4863	203.3053	-0.181
36	700	203.4862	203.2382	-0.248
37	720	203.4861	203.2381	-0.248
38	740	203.486	203.246	-0.24
39	760	203.4859	203.2459	-0.24

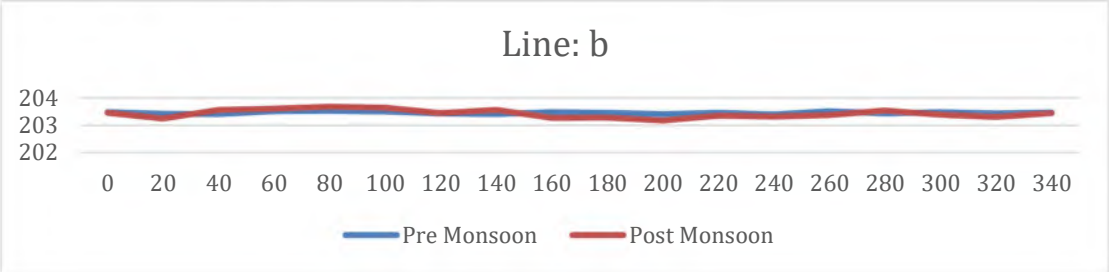
40	780	203.4857	203.2757	-0.21
41	800	203.4856	203.2936	-0.192
42	820	203.4855	203.2875	-0.198
43	840	203.4854	203.2404	-0.245
44	860	203.5114	203.2844	-0.227
45	880	203.5113	203.3013	-0.21
46	900	203.5112	203.3022	-0.209
47	920	203.5112	203.3262	-0.185
48	940	203.5111	203.2951	-0.216
49	960	203.5111	203.2871	-0.224
50	980	203.511	203.319	-0.192
51	1000	203.511	203.29	-0.221
52	1020	203.5109	203.2969	-0.214
53	1040	203.5109	203.2819	-0.229
54	1060	203.5109	203.2969	-0.214
55	1080	203.4712	203.2382	-0.233
56	1100	203.4714	203.2234	-0.248
57	1120	203.4717	203.2557	-0.216
58	1140	203.4719	203.2899	-0.182
59	1160	203.4722	203.2312	-0.241
60	1180	203.4726	203.2436	-0.229
61	1200	203.4729	203.2759	-0.197
62	1220	203.4733	203.2773	-0.196
63	1240	203.4737	203.2647	-0.209
64	1260	203.4741	203.2931	-0.181
65	1280	203.4746	203.2446	-0.23
66	1300	203.4751	203.2251	-0.25

67	1320	203.4755	203.2885	-0.187
68	1340	203.476	203.265	-0.211
69	1360	203.4765	203.2275	-0.249
70	1380	203.4771	203.2671	-0.21
71	1400	203.4776	203.2476	-0.23
72	1420	203.4781	203.2821	-0.196
73	1440	203.4187	203.1697	-0.249
74	1460	203.4429	203.2419	-0.201
75	1480	203.552	203.357	-0.195
76	1500	203.5553	203.3523	-0.203
77	1520	203.4566	203.2586	-0.198
78	1540	203.54	203.327	-0.213
79	1560	203.502	203.316	-0.186
80	1580	203.4944	203.24735	-0.247
81	1600	203.4867	203.2877	-0.199
82	1620	203.4791	203.25605	-0.223
83	1640	203.4714	203.2404	-0.231
84	1660	203.4638	203.28075	-0.183
85	1680	203.4561	203.2591	-0.197
86	1700	203.4485	203.22945	-0.219
87	1720	203.4408	203.2128	-0.228
88	1740	203.4332	203.25315	-0.18
89	1760	203.4255	203.2225	-0.203
90	1780	203.4179	203.23685	-0.181
91	1800	203.4102	203.2022	-0.208
92	1820	203.4026	203.19655	-0.206
			Avg. Deposition	NA
			Avg. Erosion	-0.21464835

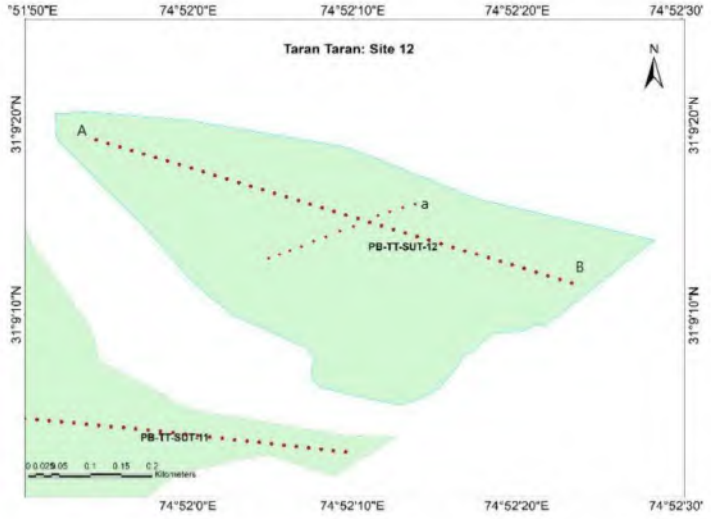
S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	203.43869	203.263205	-0.17549
2	20	203.513593	203.391155	-0.12244
3	40	203.485159	203.459527	-0.02563
4	60	203.467826	203.401449	-0.06638
5	80	203.410282	203.282132	-0.12815
6	100	203.410279	203.422883	0.012603
7	120	203.397551	203.202789	-0.19476
8	140	203.502603	203.374854	-0.12775
9	160	203.468145	203.372978	-0.09517
10	180	203.482049	203.426264	-0.05579
11	200	203.392676	203.481368	0.088692
12	220	203.516088	203.347745	-0.16834
13	240	203.498218	203.467966	-0.03025
14	260	203.417604	203.421674	0.00407
15	280	203.413637	203.178029	-0.23561
			Average Deposited	0.035122
			Average Erosion	-0.11881

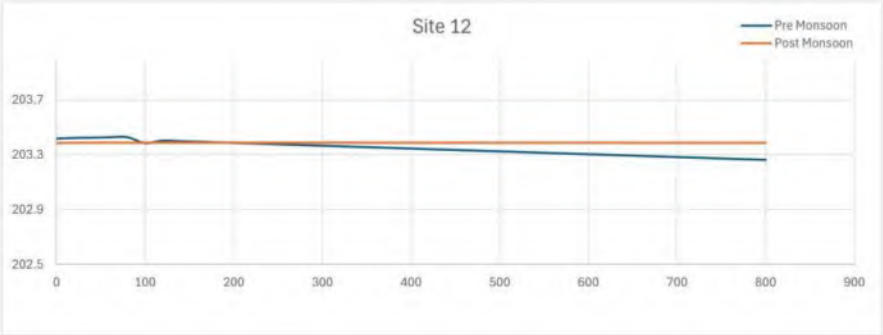


S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	203.469	203.453	-0.01599
2	20	203.4122	203.2373	-0.17485
3	40	203.3985	203.5681	0.169648
4	60	203.5134	203.5976	0.084283
5	80	203.5155	203.672	0.15644
6	100	203.4951	203.6319	0.136829
7	120	203.4296	203.4361	0.006478
8	140	203.4027	203.5514	0.148703
9	160	203.479	203.2618	-0.21715
10	180	203.4472	203.2773	-0.16996
11	200	203.4059	203.1697	-0.23615
12	220	203.4544	203.3412	-0.11318
13	240	203.3945	203.3091	-0.08537
14	260	203.5082	203.3713	-0.13688
15	280	203.4236	203.5315	0.107816
16	300	203.4761	203.3767	-0.09939
17	320	203.4305	203.2979	-0.13267
18	340	203.4576	203.4399	-0.01776
			Average Deposited	0.115742
			Average Erosion	-0.13834



Taran Taran: Site 12

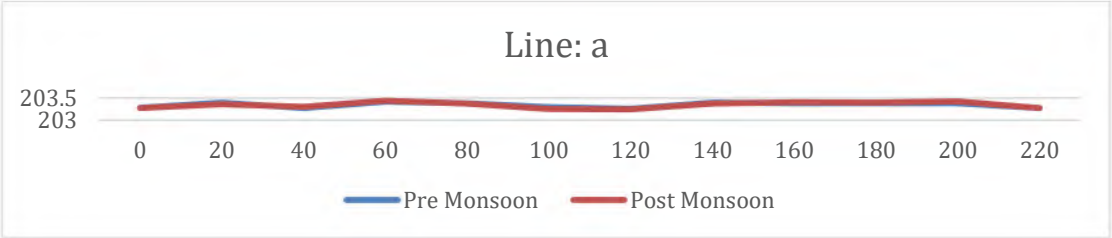




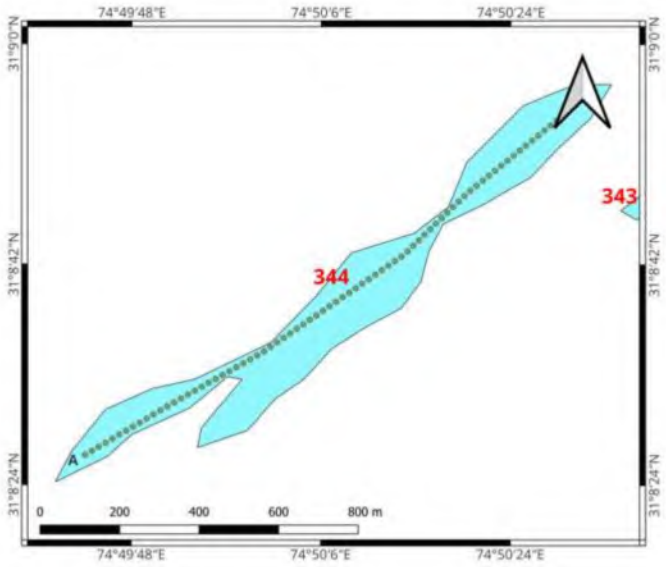
S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	203.4174	203.3855	-0.032
2	20	203.4227	203.3875	-0.035
3	40	203.4244	203.388	-0.036
4	60	203.4271	203.3882	-0.039
5	80	203.4279	203.3886	-0.039
6	100	203.3847	203.3881	0.003
7	120	203.4028	203.3884	-0.014
8	140	203.3987	203.3881	-0.011
9	160	203.3945	203.3884	-0.006
10	180	203.3904	203.3882	-0.002
11	200	203.3863	203.388	0.002
12	220	203.3821	203.3882	0.006
13	240	203.378	203.388	0.010
14	260	203.3738	203.3882	0.014
15	280	203.3697	203.388	0.018

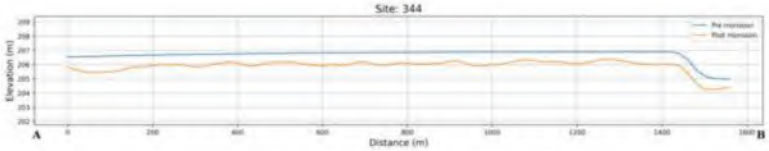
16	300	203.3655	203.3879	0.022
17	320	203.3614	203.3879	0.027
18	340	203.3572	203.38785	0.031
19	360	203.3531	203.3878	0.035
20	380	203.3489	203.38775	0.039
21	400	203.3448	203.3877	0.043
22	420	203.3406	203.38765	0.047
23	440	203.3365	203.3876	0.051
24	460	203.3323	203.38755	0.055
25	480	203.3282	203.3875	0.059
26	500	203.324	203.38745	0.063
27	520	203.3199	203.3874	0.068
28	540	203.3157	203.38735	0.072
29	560	203.3116	203.3873	0.076
30	580	203.3074	203.38725	0.080
31	600	203.3033	203.3872	0.084
32	620	203.2991	203.38715	0.088
33	640	203.295	203.3871	0.092
34	660	203.2908	203.38705	0.096
35	680	203.2867	203.387	0.100
36	700	203.2825	203.38695	0.104
37	720	203.2784	203.3869	0.109
38	740	203.2742	203.38685	0.113
39	760	203.2701	203.3868	0.117
40	780	203.2659	203.38675	0.121
41	800	203.2618	203.3867	0.125
			Avg. Deposited	0.062
			Avg. Erosion	-0.024

S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	203.284	203.273372	-0.01059
2	20	203.3964	203.363445	-0.03293
3	40	203.2727	203.308565	0.035892
4	60	203.4278	203.441577	0.013806
5	80	203.3913	203.378157	-0.01312
6	100	203.2938	203.256035	-0.03775
7	120	203.2609	203.24598	-0.01496
8	140	203.3986	203.384978	-0.01365
9	160	203.3802	203.403762	0.023597
10	180	203.3839	203.39905	0.015119
11	200	203.3911	203.429228	0.038112
12	220	203.2726	203.272479	-0.00011
			Average Deposited	0.025305
			Average Erosion	-0.01759



Site: 344



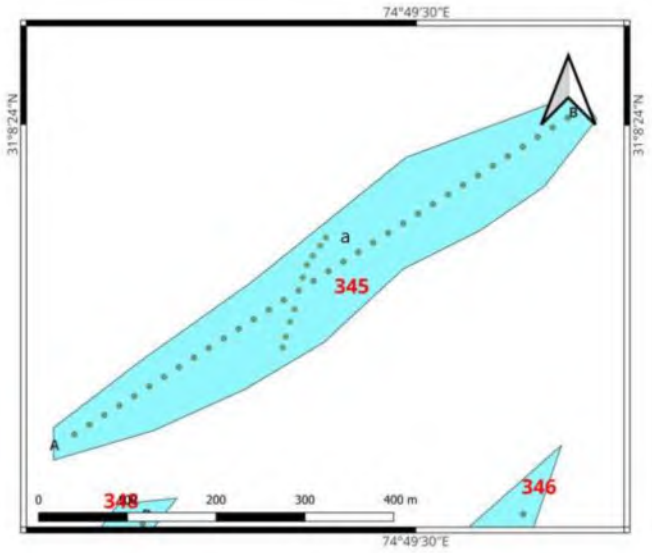


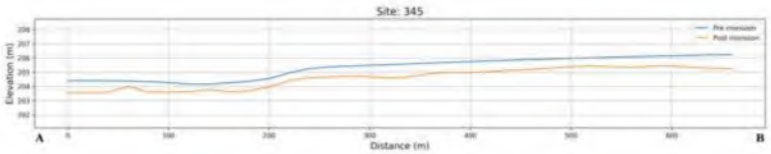
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	206.538	205.820	-0.717
2	20	206.550	205.626	-0.924
3	40	206.566	205.479	-1.087
4	60	206.580	205.444	-1.136
5	80	206.595	205.463	-1.132
6	100	206.609	205.487	-1.122
7	120	206.621	205.551	-1.070
8	140	206.635	205.720	-0.915
9	160	206.649	205.859	-0.790
10	180	206.661	205.864	-0.797
11	200	206.671	205.921	-0.750
12	220	206.682	205.982	-0.700
13	240	206.692	205.966	-0.726
14	260	206.701	205.999	-0.702
15	280	206.711	205.947	-0.764
16	300	206.721	205.835	-0.886
17	320	206.730	205.883	-0.848
18	340	206.738	206.009	-0.729
19	360	206.746	206.104	-0.642
20	380	206.755	206.175	-0.580
21	400	206.763	206.114	-0.649
22	420	206.769	205.942	-0.827
23	440	206.776	205.902	-0.874

24	460	206.784	206.051	-0.733
25	480	206.790	206.151	-0.639
26	500	206.796	206.164	-0.632
27	520	206.801	206.180	-0.621
28	540	206.807	206.128	-0.678
29	560	206.812	206.018	-0.793
30	580	206.817	205.942	-0.875
31	600	206.822	205.931	-0.891
32	620	206.825	205.980	-0.845
33	640	206.828	205.937	-0.891
34	660	206.831	205.969	-0.862
35	680	206.835	206.149	-0.686
36	700	206.839	206.198	-0.641
37	720	206.844	206.050	-0.794
38	740	206.847	205.928	-0.919
39	760	206.850	205.993	-0.857
40	780	206.852	206.112	-0.740
41	800	206.854	206.111	-0.744
42	820	206.857	206.033	-0.824
43	840	206.860	206.060	-0.800
44	860	206.863	206.076	-0.788
45	880	206.867	206.099	-0.767
46	900	206.869	206.235	-0.634
47	920	206.872	206.252	-0.620
48	940	206.874	206.064	-0.809
49	960	206.875	205.906	-0.969
50	980	206.876	205.918	-0.958
51	1000	206.877	205.983	-0.894
52	1020	206.878	206.021	-0.857
53	1040	206.879	206.126	-0.753
54	1060	206.879	206.267	-0.612
55	1080	206.879	206.327	-0.552
56	1100	206.879	206.264	-0.615
57	1120	206.881	206.187	-0.693
58	1140	206.882	206.216	-0.665
59	1160	206.882	206.193	-0.689
60	1180	206.883	206.093	-0.791
61	1200	206.884	206.078	-0.807
62	1220	206.885	206.121	-0.764
63	1240	206.886	206.227	-0.659
64	1260	206.888	206.337	-0.550
65	1280	206.889	206.353	-0.536
66	1300	206.889	206.290	-0.599
67	1320	206.890	206.177	-0.713
68	1340	206.891	206.087	-0.804
69	1360	206.892	206.034	-0.858
70	1380	206.894	206.006	-0.887
71	1400	206.895	206.002	-0.893
72	1420	206.888	206.026	-0.862
73	1440	206.792	205.932	-0.860
74	1460	206.361	205.450	-0.911
75	1480	205.649	204.681	-0.969

76	1500	205.195	204.274	-0.921
77	1520	205.043	204.261	-0.782
78	1540	204.992	204.315	-0.677
79	1560	204.974	204.400	-0.574
		Avg Deposited		NA
		Avg Eroded		-0.786

Site: 345

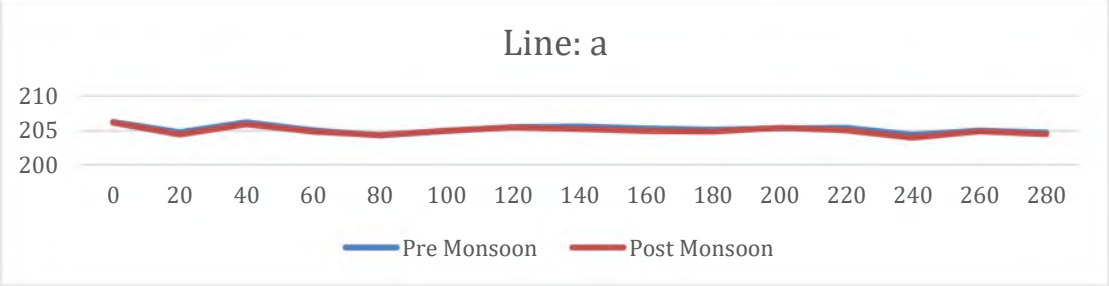




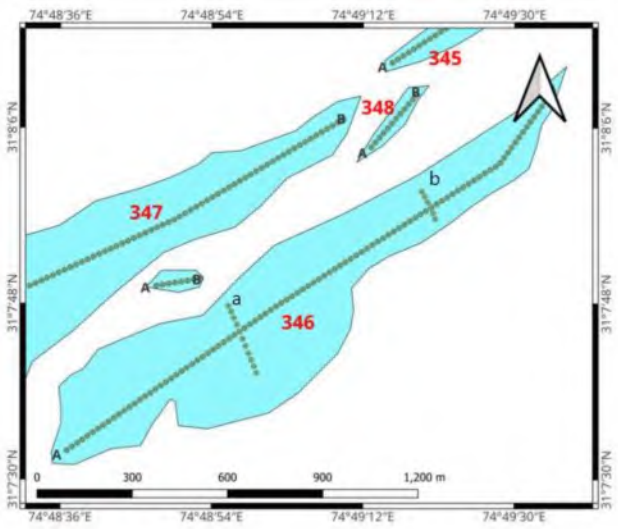
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	204.398	203.576	-0.822
2	20	204.395	203.579	-0.816
3	40	204.388	203.584	-0.804
4	60	204.373	203.994	-0.783
5	80	204.340	203.595	-0.745
6	100	204.264	203.599	-0.665
7	120	204.164	203.601	-0.563
8	140	204.154	203.786	-0.550
9	160	204.249	203.612	-0.636
10	180	204.346	203.678	-0.669
11	200	204.543	203.956	-0.587
12	220	204.947	204.392	-0.555
13	240	205.248	204.608	-0.640
14	260	205.362	204.661	-0.701
15	280	205.424	204.724	-0.700
16	300	205.478	204.675	-0.803
17	320	205.528	204.591	-0.938
18	340	205.583	204.677	-0.906
19	360	205.640	204.903	-0.737
20	380	205.692	204.999	-0.693
21	400	205.740	204.968	-0.772
22	420	205.789	205.029	-0.760
23	440	205.837	205.140	-0.697
24	460	205.880	205.186	-0.695

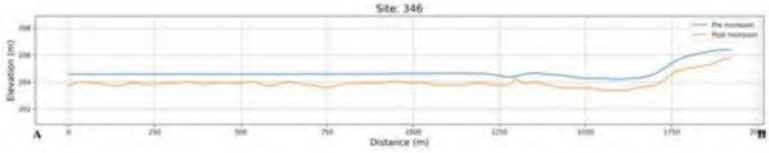
25	480	205.925	205.281	-0.645
26	500	205.969	205.378	-0.591
27	520	206.008	205.429	-0.578
28	540	206.047	205.382	-0.665
29	560	206.085	205.336	-0.749
30	580	206.119	205.421	-0.698
31	600	206.154	205.439	-0.715
32	620	206.187	205.334	-0.853
33	640	206.215	205.279	-0.936
34	660	206.234	205.230	-1.004
		Avg Deposited		NA
		Avg Eroded		-0.726

S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	206.1955	206.109775	-0.08571
2	20	204.7336	204.402383	-0.33118
3	40	206.1532	205.867678	-0.28555
4	60	205.0221	204.808545	-0.21353
5	80	204.2661	204.308541	0.042439
6	100	204.8901	204.981373	0.09123
7	120	205.4687	205.434953	-0.03375
8	140	205.5614	205.185275	-0.37614
9	160	205.2619	204.928266	-0.3336
10	180	205.0956	204.843209	-0.25236
11	200	205.3058	205.389534	0.083748
12	220	205.3854	205.005175	-0.38022
13	240	204.3617	203.938599	-0.42311
14	260	204.9393	204.871373	-0.06794
15	280	204.6843	204.435997	-0.24832
			Average Deposited	0.072472
			Average Erosion	-0.25262



Site: 346



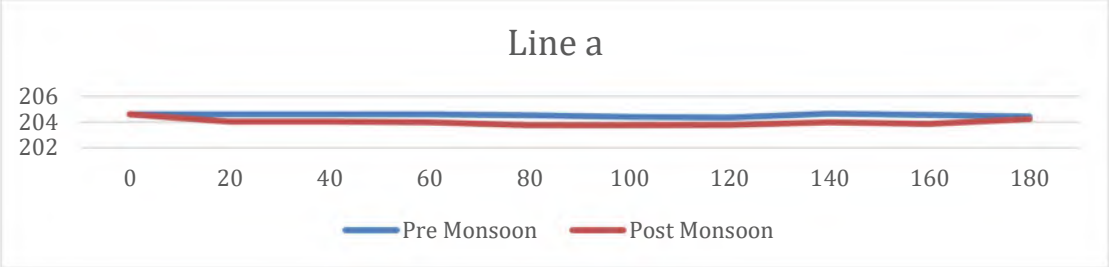


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	204.578	203.709	-0.869
2	20	204.577	203.922	-0.655
3	40	204.577	204.019	-0.558
4	60	204.577	203.978	-0.600
5	80	204.578	203.932	-0.646
6	100	204.578	203.853	-0.725
7	120	204.579	203.750	-0.829
8	140	204.579	203.684	-0.895
9	160	204.579	203.768	-0.811
10	180	204.578	203.931	-0.648
11	200	204.578	203.931	-0.647
12	220	204.578	203.823	-0.756
13	240	204.579	203.817	-0.762
14	260	204.580	203.863	-0.717
15	280	204.580	203.882	-0.699
16	300	204.580	203.929	-0.651
17	320	204.579	203.960	-0.619
18	340	204.579	204.006	-0.573
19	360	204.580	203.981	-0.599
20	380	204.580	203.874	-0.706
21	400	204.580	203.850	-0.731
22	420	204.581	203.924	-0.657
23	440	204.582	203.967	-0.615
24	460	204.581	203.969	-0.612
25	480	204.580	203.910	-0.670

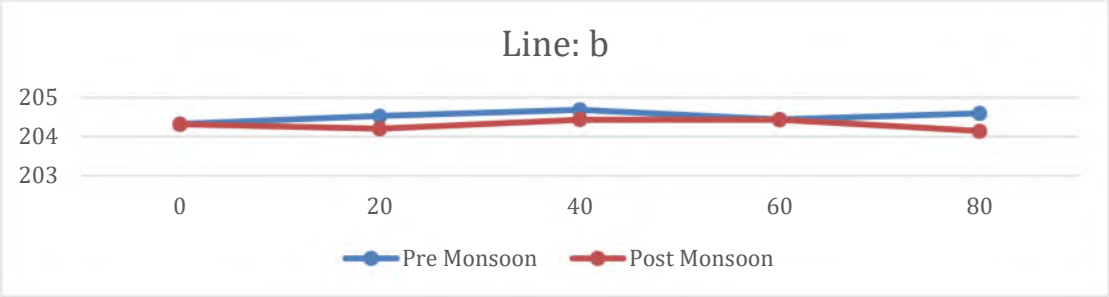
26	500	204.580	203.919	-0.661
27	520	204.581	204.021	-0.560
28	540	204.581	204.015	-0.567
29	560	204.583	203.837	-0.745
30	580	204.584	203.679	-0.905
31	600	204.583	203.751	-0.833
32	620	204.582	203.948	-0.634
33	640	204.582	204.026	-0.556
34	660	204.582	203.915	-0.668
35	680	204.584	203.805	-0.779
36	700	204.586	203.779	-0.807
37	720	204.587	203.693	-0.894
38	740	204.587	203.622	-0.964
39	760	204.586	203.617	-0.969
40	780	204.584	203.734	-0.851
41	800	204.584	203.866	-0.718
42	820	204.585	203.874	-0.711
43	840	204.588	203.886	-0.702
44	860	204.592	203.926	-0.666
45	880	204.596	203.920	-0.675
46	900	204.598	203.911	-0.687
47	920	204.602	203.970	-0.632
48	940	204.606	204.036	-0.570
49	960	204.609	204.023	-0.586
50	980	204.614	203.956	-0.658
51	1000	204.615	203.925	-0.690
52	1020	204.612	203.972	-0.640
53	1040	204.615	203.917	-0.698
54	1060	204.620	203.791	-0.829
55	1080	204.626	203.756	-0.870
56	1100	204.632	203.784	-0.848
57	1120	204.634	203.805	-0.829
58	1140	204.632	203.759	-0.872
59	1160	204.634	203.821	-0.813
60	1180	204.624	203.941	-0.683
61	1200	204.602	203.922	-0.680
62	1220	204.584	203.837	-0.747
63	1240	204.520	203.760	-0.760
64	1260	204.399	203.763	-0.636
65	1280	204.341	203.773	-0.568
66	1300	204.423	204.229	-0.651
67	1320	204.562	203.842	-0.719
68	1340	204.648	203.980	-0.668
69	1360	204.649	203.977	-0.671
70	1380	204.596	203.847	-0.749
71	1400	204.547	203.723	-0.824
72	1420	204.510	203.612	-0.898
73	1440	204.460	203.566	-0.894
74	1460	204.384	203.542	-0.842
75	1480	204.303	203.563	-0.740
76	1500	204.266	203.579	-0.687
77	1520	204.268	203.518	-0.750

78	1540	204.264	203.439	-0.826
79	1560	204.241	203.380	-0.861
80	1580	204.216	203.393	-0.823
81	1600	204.211	203.361	-0.850
82	1620	204.236	203.345	-0.891
83	1640	204.271	203.491	-0.780
84	1660	204.310	203.640	-0.671
85	1680	204.405	203.674	-0.730
86	1700	204.594	203.718	-0.876
87	1720	204.865	203.991	-0.874
88	1740	205.203	204.413	-0.790
89	1760	205.538	204.724	-0.814
90	1780	205.782	204.902	-0.879
91	1800	205.942	205.022	-0.920
92	1820	206.061	205.105	-0.956
93	1840	206.165	205.163	-1.003
94	1860	206.261	205.267	-0.994
95	1880	206.328	205.460	-0.868
96	1900	206.366	205.649	-0.717
97	1920	206.384	205.743	-0.641
		Avg Deposited		NA
		Avg Eroded		-0.745

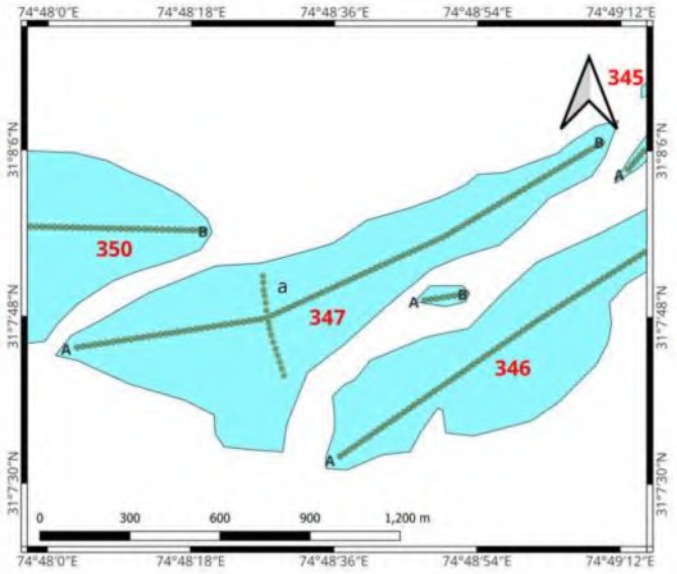
S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	204.578	204.58	0.002
2	20	204.609	204.023	-0.586
3	40	204.606	204.036	-0.57
4	60	204.602	203.97	-0.632
5	80	204.52	203.76	-0.76
6	100	204.399	203.763	-0.636
7	120	204.341	203.773	-0.568
8	140	204.648	203.98	-0.668
9	160	204.562	203.842	-0.719
10	180	204.423	204.229	-0.651
			Average Deposited	0.002
			Average Erosion	0.049926

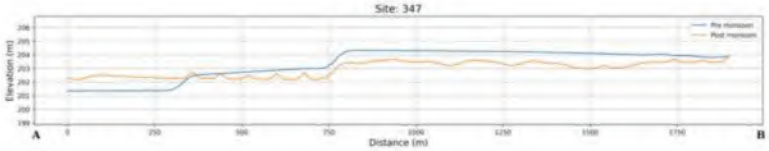


S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	204.315	204.312	-0.003
2	20	204.521	204.198	-0.323
3	40	204.678	204.432	-0.246
4	60	204.432	204.429	-0.003
5	80	204.589	204.136	-0.453
			Average Deposited	NA
			Average Erosion	-0.2056



Site: 347



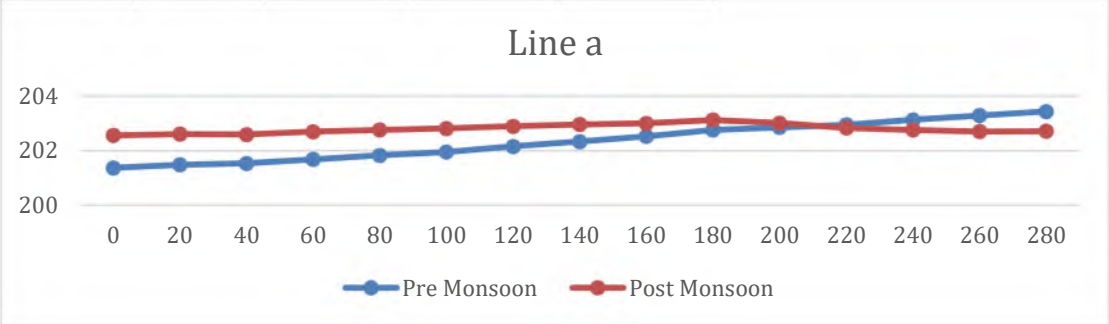


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	201.357	202.303	0.946
2	20	201.359	202.183	0.824
3	40	201.360	202.198	0.838
4	60	201.360	202.378	1.018
5	80	201.361	202.496	1.135
6	100	201.363	202.505	1.143
7	120	201.363	202.477	1.113
8	140	201.363	202.438	1.075
9	160	201.364	202.407	1.043
10	180	201.364	202.385	1.021
11	200	201.364	202.366	1.002
12	220	201.364	202.348	0.983
13	240	201.365	202.330	0.966
14	260	201.365	202.314	0.950
15	280	201.370	202.298	0.928
16	300	201.433	202.287	0.854
17	320	201.710	202.284	0.574
18	340	202.171	202.290	0.120
19	360	202.460	202.721	-0.169
20	380	202.542	202.284	-0.258
21	400	202.572	202.275	-0.297
22	420	202.601	202.265	-0.336
23	440	202.631	202.619	-0.374

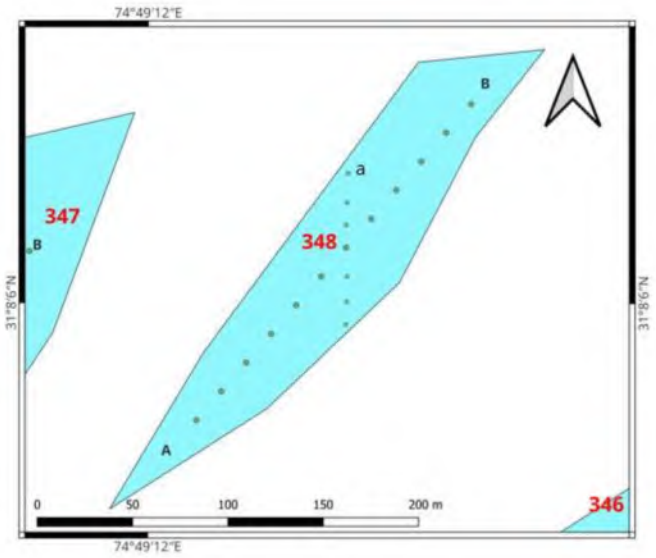
24	460	202.661	202.249	-0.412
25	480	202.691	202.241	-0.450
26	500	202.721	202.234	-0.488
27	520	202.751	202.489	-0.524
28	540	202.782	202.221	-0.561
29	560	202.813	202.215	-0.598
30	580	202.843	202.209	-0.634
31	600	202.873	202.635	-0.669
32	620	202.902	202.199	-0.703
33	640	202.929	202.194	-0.734
34	660	202.952	202.189	-0.763
35	680	202.976	202.669	-0.792
36	700	202.996	202.180	-0.817
37	720	202.996	202.191	-0.805
38	740	203.050	202.306	-0.745
39	760	203.386	202.701	-0.685
40	780	203.935	203.228	-0.707
41	800	204.259	203.441	-0.817
42	820	204.328	203.408	-0.920
43	840	204.330	203.365	-0.965
44	860	204.328	203.439	-0.889
45	880	204.326	203.532	-0.794
46	900	204.324	203.570	-0.753
47	920	204.320	203.648	-0.672
48	940	204.316	203.668	-0.648
49	960	204.312	203.563	-0.748
50	980	204.309	203.484	-0.824
51	1000	204.306	203.466	-0.840
52	1020	204.303	203.485	-0.817
53	1040	204.298	203.508	-0.791
54	1060	204.293	203.416	-0.877
55	1080	204.288	203.278	-1.010
56	1100	204.284	203.201	-1.083
57	1120	204.281	203.295	-0.985
58	1140	204.276	203.511	-0.765
59	1160	204.270	203.615	-0.655
60	1180	204.264	203.589	-0.675
61	1200	204.257	203.535	-0.723
62	1220	204.252	203.492	-0.760
63	1240	204.247	203.414	-0.833
64	1260	204.241	203.257	-0.985
65	1280	204.233	203.207	-1.027
66	1300	204.225	203.341	-0.883
67	1320	204.216	203.502	-0.714
68	1340	204.207	203.540	-0.667
69	1360	204.197	203.458	-0.738
70	1380	204.187	203.382	-0.805
71	1400	204.176	203.382	-0.793
72	1420	204.164	203.331	-0.833
73	1440	204.152	203.149	-1.004
74	1460	204.140	203.020	-1.120
75	1480	204.127	202.995	-1.132

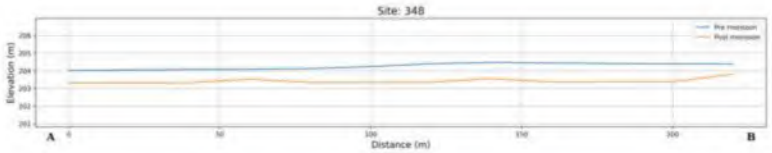
76	1500	204.113	203	-1.113
77	1520	204.100	203.009	-1.091
78	1540	204.085	203.226	-1.068
79	1560	204.069	203.030	-1.039
80	1580	204.053	203.052	-1.001
81	1600	204.037	203.094	-0.943
82	1620	204.020	203.198	-0.821
83	1640	204.002	203.347	-0.655
84	1660	203.995	203.439	-0.555
85	1680	204.018	203.464	-0.554
86	1700	204.046	203.466	-0.579
87	1720	204.008	203.465	-0.543
88	1740	203.952	203.682	-0.488
89	1760	203.937	203.465	-0.472
90	1780	203.936	203.465	-0.471
91	1800	203.906	203.465	-0.441
92	1820	203.854	203.633	-0.389
93	1840	203.824	203.465	-0.359
94	1860	203.818	203.464	-0.354
95	1880	203.840	203.466	-0.374
96	1900	203.882	203.921	-0.411
		Avg Deposited		0.918
		Avg Eroded		-0.715

S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	201.365	202.554	1.189
2	20	201.478	202.601	1.123
3	40	201.529	202.587	1.058
4	60	201.678	202.693	1.015
5	80	201.824	202.753	0.929
6	100	201.946	202.811	0.865
7	120	202.153	202.889	0.736
8	140	202.328	202.953	0.625
9	160	202.521	202.996	0.475
10	180	202.758	203.121	0.363
11	200	202.849	203.01	0.161
12	220	202.946	202.823	-0.123
13	240	203.128	202.755	-0.373
14	260	203.284	202.698	-0.564
15	280	203.429	202.71	-0.562
			Average Deposited	0.776273
			Average Erosion	-0.4055



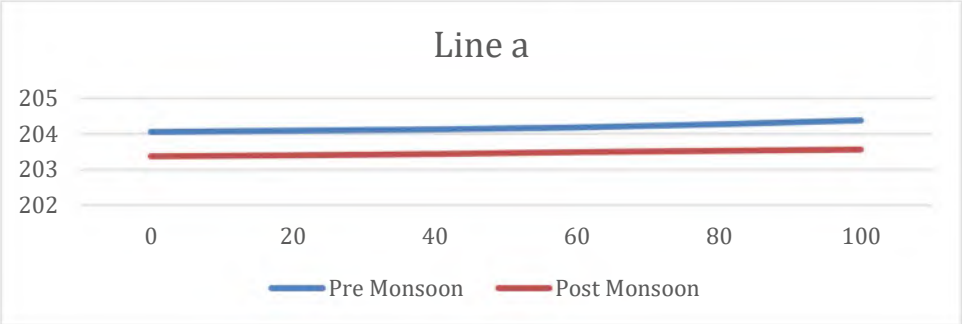
Site: 348



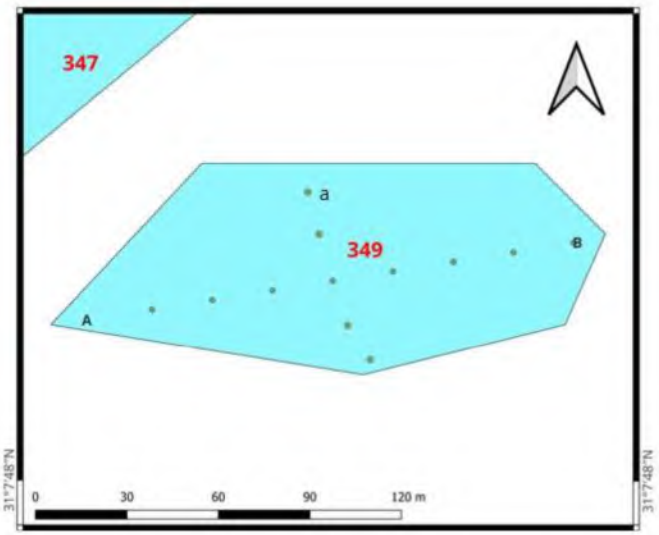


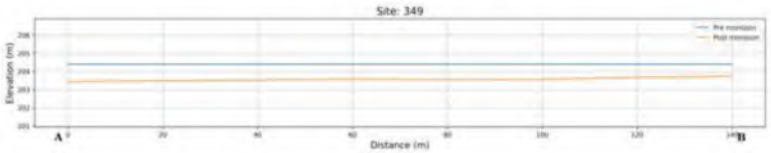
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	204.014	203.319	-0.695
2	20	204.046	203.322	-0.724
3	40	204.074	203.326	-0.748
4	60	204.088	203.525	-0.756
5	80	204.123	203.339	-0.784
6	100	204.238	203.345	-0.893
7	120	204.403	203.351	-1.051
8	140	204.472	203.557	-1.114
9	160	204.445	203.365	-1.080
10	180	204.412	203.372	-1.040
11	200	204.397	203.381	-1.015
12	220	204.387	203.820	-1
		Avg Deposited		NA
		Avg Eroded		-0.908

S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	204.052	203.376	-0.676
2	20	204.089	203.402	-0.687
3	40	204.127	203.435	-0.692
4	60	204.176	203.488	-0.688
5	80	204.265	203.521	-0.744
6	100	204.372	203.559	-0.813
			Average Deposited	NA
			Average Erosion	-0.71667



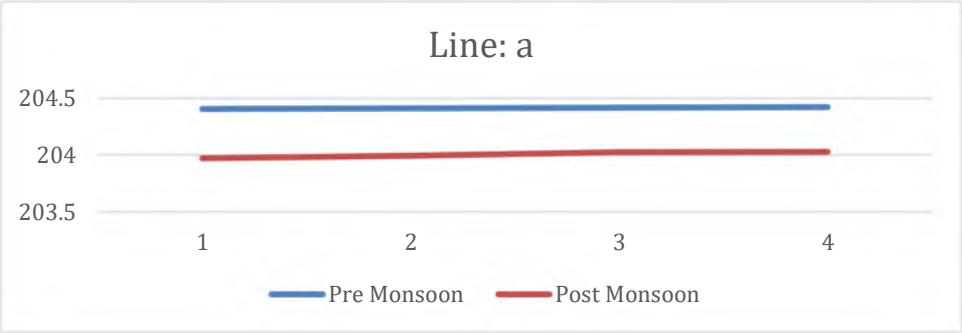
Site: 349



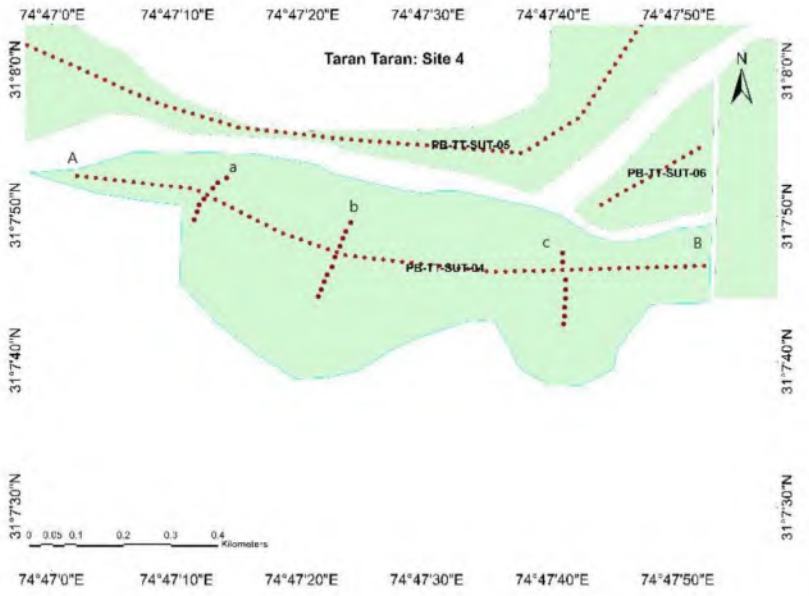


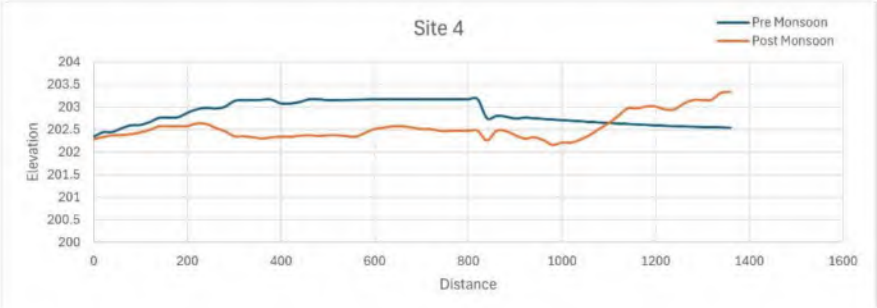
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	204.388	203.432	-0.955
2	20	204.387	203.476	-0.911
3	40	204.389	203.527	-0.862
4	60	204.391	203.577	-0.814
5	80	204.392	203.545	-0.846
6	100	204.394	203.555	-0.839
7	120	204.398	203.669	-0.729
8	140	204.401	203.740	-0.660
		Avg Deposited		NA
		Avg Eroded		-0.827

S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	204.405	203.97	-0.435
2	20	204.412	203.998	-0.414
3	40	204.419	204.025	-0.394
4	60	204.426	204.03	-0.396
			Average Deposited	NA
			Average Erosion	-0.40975



Taran Taran: Site 4



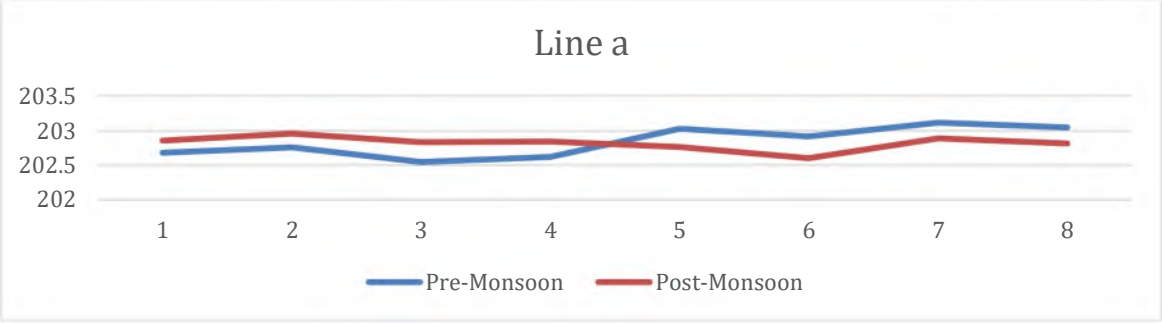


S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	202.3465	202.2866	-0.0599
2	20	202.4409	202.3373	-0.1036
3	40	202.4492	202.3725	-0.0767
4	60	202.532	202.376	-0.156
5	80	202.5964	202.3989	-0.1975
6	100	202.6043	202.4367	-0.1676
7	120	202.6694	202.4944	-0.175
8	140	202.7613	202.5707	-0.1906
9	160	202.7686	202.5722	-0.1964
10	180	202.7752	202.5735	-0.2017
11	200	202.872	202.5747	-0.2973
12	220	202.9486	202.6333	-0.3153
13	240	202.9815	202.6235	-0.358
14	260	202.9663	202.5359	-0.4304
15	280	203.0059	202.4638	-0.5421
16	300	203.131	202.3547	-0.7763
17	320	203.1564	202.3532	-0.8032
18	340	203.1522	202.3253	-0.8269

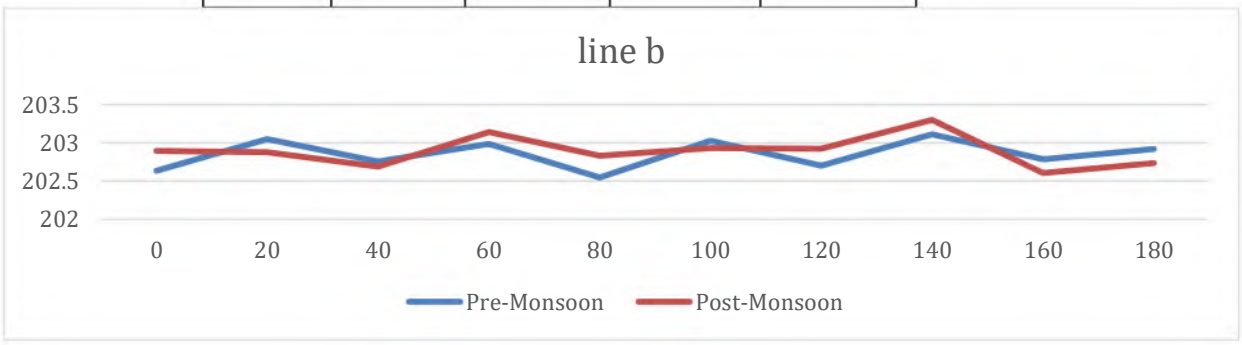
19	360	203.1612	202.3067	-0.8545
20	380	203.1607	202.3242	-0.8365
21	400	203.0777	202.3433	-0.7344
22	420	203.0782	202.339	-0.7392
23	440	203.1099	202.364	-0.7459
24	460	203.17	202.3725	-0.7975
25	480	203.1711	202.3604	-0.8107
26	500	203.1516	202.3703	-0.7813
27	520	203.1547	202.3732	-0.7815
28	540	203.1582	202.3551	-0.8031
29	560	203.1606	202.3429	-0.8177
30	580	203.1636	202.4268	-0.7368
31	600	203.1662	202.5129	-0.6533
32	620	203.1674	202.5428	-0.6246
33	640	203.1683	202.573	-0.5953
34	660	203.169	202.5709	-0.5981
35	680	203.1703	202.544	-0.6263
36	700	203.1707	202.5089	-0.6618
37	720	203.1711	202.5071	-0.664
38	740	203.1714	202.4698	-0.7016
39	760	203.1716	202.4676	-0.704
40	780	203.1723	202.4774	-0.6949
41	800	203.1725	202.4764	-0.6961
42	820	203.1726	202.4707	-0.7019
43	840	202.7515	202.26	-0.4915
44	860	202.8018	202.4693	-0.3325
45	880	202.7892	202.467	-0.3222
46	900	202.7425	202.3779	-0.3646
47	920	202.7641	202.3007	-0.4634
48	940	202.7506	202.3277	-0.4229
49	960	202.7372	202.2682	-0.469
50	980	202.7238	202.1593	-0.5645
51	1000	202.7106	202.2111	-0.4995
52	1020	202.6975	202.2119	-0.4856
53	1040	202.6846	202.2814	-0.4032
54	1060	202.6718	202.3816	-0.2902
55	1080	202.6593	202.5175	-0.1418
56	1100	202.647	202.6413	-0.0057
57	1120	202.6351	202.7973	0.1622
58	1140	202.6261	202.9648	0.3387
59	1160	202.6152	202.9659	0.3507
60	1180	202.6049	203.0064	0.4015
61	1200	202.5951	203.0074	0.4123
62	1220	202.586	202.9442	0.3582

63	1240	202.5777	202.9447	0.367
64	1260	202.5702	203.0688	0.4986
65	1280	202.5635	203.1524	0.5889
66	1300	202.5575	203.1528	0.5953
67	1320	202.5523	203.1573	0.605
68	1340	202.5478	203.311	0.7632
69	1360	202.5438	203.329	0.7852
			Avg. Deposited	0.478984615
			Avg. Erosion	-0.5087875

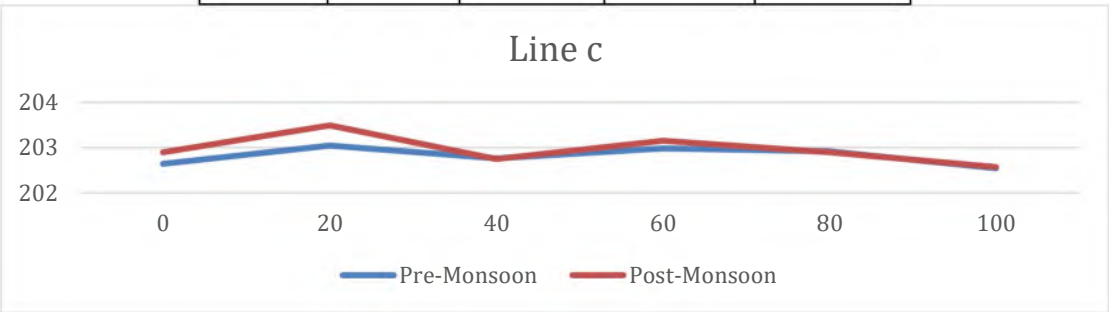
S.No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.679	202.8543	0.1754
2	20	202.756	202.9542	0.1978
3	40	202.544	202.8291	0.2853
4	60	202.615	202.8423	0.2271
5	80	203.025	202.7625	-0.2622
6	100	202.915	202.5982	-0.3172
7	120	203.113	202.8873	-0.2255
8	140	203.046	202.8123	-0.2333
			Average Deposited	0.2214
			Average Erosion	-0.25955



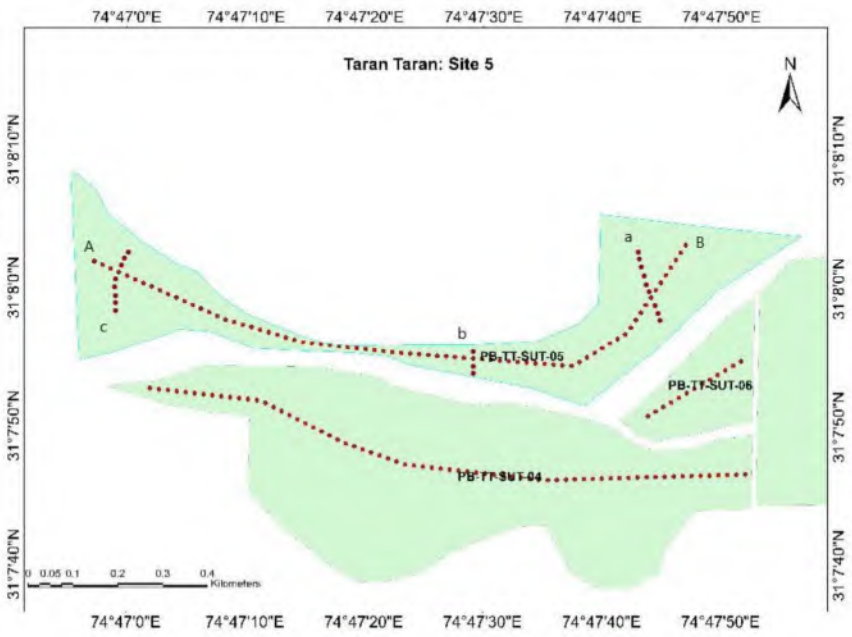
S.No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.6345	202.8921	0.2576
2	20	203.0456	202.8741	-0.1715
3	40	202.7564	202.6872	-0.0692
4	60	202.9873	203.1421	0.1548
5	80	202.5438	202.8291	0.2853
6	100	203.0247	202.9348	-0.0899
7	120	202.6981	202.9234	0.2253
8	140	203.1128	203.2982	0.1854
9	160	202.7823	202.6019	-0.1804
10	180	202.9154	202.7342	-0.1812
			Average Deposited	0.22168
			Average Erosion	-0.13844

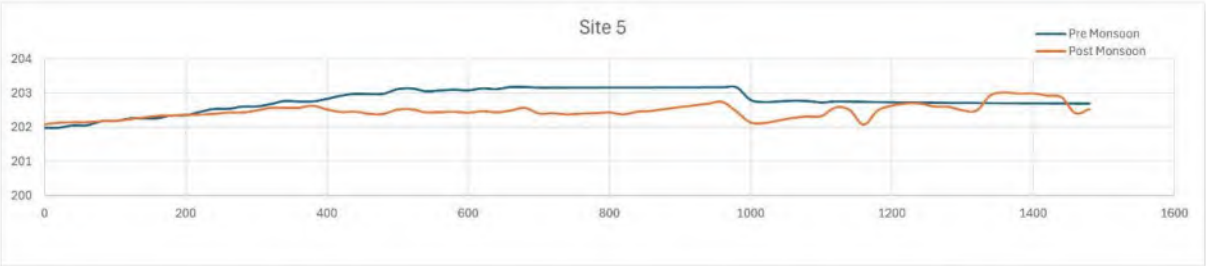


S.No.	Distance	**Pre-Monsoon**	**Post-Monsoon**	**Difference**
1	0	202.6345	202.8921	**0.2576**
2	20	203.0456	203.4912	**0.4456**
3	40	202.7564	202.7432	-0.0132
4	60	202.9873	203.1521	**0.1648**
5	80	202.9154	202.8929	-0.0225
6	100	202.5438	202.5669	**0.0231**
			Average Deposited	0.222775
			Average Erosion	-0.01785



Taran Taran: Site 5



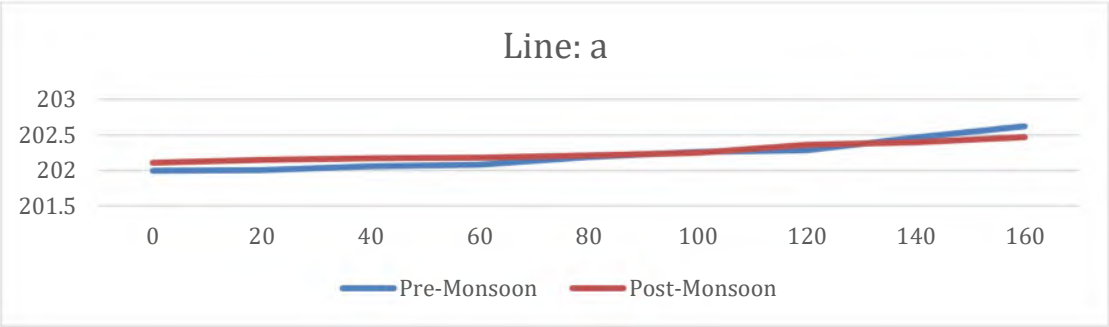


S. No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	201.9827	202.0895	0.1068
2	20	201.9839	202.1363	0.1524
3	40	202.0508	202.1527	0.1019
4	60	202.0542	202.1534	0.0992
5	80	202.1714	202.1844	0.013
6	100	202.1768	202.1853	0.0085
7	120	202.2529	202.2382	-0.0147
8	140	202.2564	202.2869	0.0305
9	160	202.2614	202.3368	0.0754
10	180	202.3427	202.3384	-0.0043
11	200	202.3476	202.373	0.0254
12	220	202.4456	202.3746	-0.071
13	240	202.5315	202.3966	-0.1349
14	260	202.5343	202.4344	-0.0999
15	280	202.5992	202.4354	-0.1638

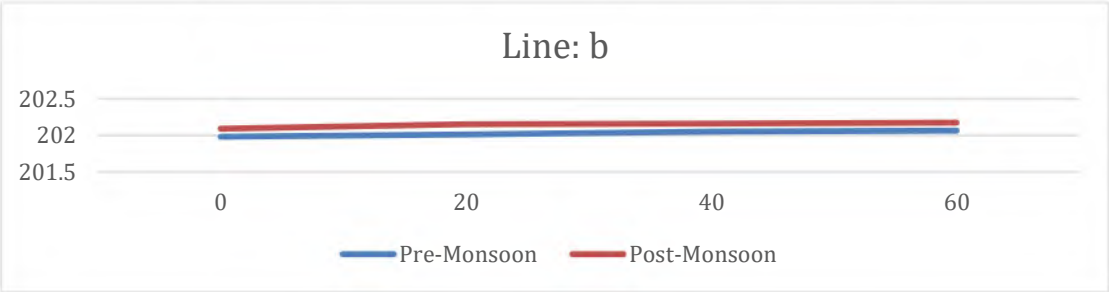
16	300	202.6043	202.4938	-0.1105
17	320	202.6708	202.5716	-0.0992
18	340	202.7665	202.5723	-0.1942
19	360	202.7486	202.5731	-0.1755
20	380	202.7521	202.6329	-0.1192
21	400	202.8277	202.5232	-0.3045
22	420	202.9211	202.4518	-0.4693
23	440	202.9741	202.4588	-0.5153
24	460	202.9657	202.3948	-0.5709
25	480	202.9756	202.3937	-0.5819
26	500	203.1116	202.5187	-0.5929
27	520	203.1315	202.5276	-0.6039
28	540	203.0503	202.4354	-0.6149
29	560	203.0721	202.4462	-0.6259
30	580	203.0939	202.457	-0.6369
31	600	203.0761	202.4282	-0.6479
32	620	203.1342	202.4753	-0.6589
33	640	203.112	202.4421	-0.6699
34	660	203.174	202.4931	-0.6809
35	680	203.1748	202.5695	-0.6053
36	700	203.1533	202.4081	-0.7452
37	720	203.1543	202.412	-0.74143
38	740	203.1552	202.38	-0.77358
39	760	203.1561	202.4031	-0.753
40	780	203.157	202.414	-0.743
41	800	203.1581	202.4361	-0.722
42	820	203.1589	202.3819	-0.777
43	840	203.1597	202.4617	-0.698
44	860	203.1604	202.4824	-0.678
45	880	203.1611	202.54	-0.61867
46	900	203.1617	202.59	-0.56917
47	920	203.1623	202.64	-0.51967
48	940	203.1632	202.69	-0.47017
49	960	203.1637	202.74	-0.42067
50	980	203.1642	202.4603	-0.7039
51	1000	202.7961	202.144	-0.6521
52	1020	202.7318	202.1315	-0.6003
53	1040	202.7523	202.2038	-0.5485
54	1060	202.7748	202.2781	-0.4967
55	1080	202.7653	202.3204	-0.4449

56	1100	202.7217	202.3286	-0.3931
57	1120	202.7502	202.5798	-0.1704
58	1140	202.7464	202.5114	-0.235
59	1160	202.7381	202.0804	-0.6577
60	1180	202.7301	202.4933	-0.2368
61	1200	202.7268	202.6343	-0.0925
62	1220	202.7194	202.6997	-0.0197
63	1240	202.7123	202.6974	-0.0149
64	1260	202.7109	202.6107	-0.1002
65	1280	202.7083	202.6028	-0.1055
66	1300	202.7072	202.5003	-0.2069
67	1320	202.7062	202.4905	-0.2157
68	1340	202.7039	202.9389	0.235
69	1360	202.6996	203.0161	0.3165
70	1380	202.6989	202.9871	0.2882
71	1400	202.6969	202.9908	0.2939
72	1420	202.6963	202.9313	0.235
73	1440	202.6958	202.8848	0.189
74	1460	202.694	202.4171	-0.2769
75	1480	202.6936	202.5356	-0.158
			Avg. Deposited	0.144713
			Avg. Erosion	-0.42543

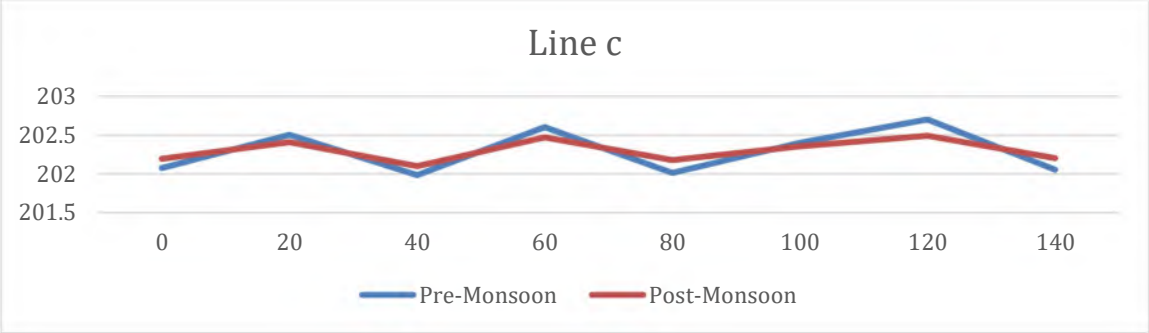
S.No	Distance	Pre-Monsoon	Post-Monsoon	Diff
1	0	201.99	202.105	0.115
2	20	202	202.15	0.15
3	40	202.06	202.165	0.105
4	60	202.08	202.175	0.095
5	80	202.19	202.21	0.02
6	100	202.26	202.25	-0.01
7	120	202.28	202.36	0.08
8	140	202.46	202.39	-0.07
9	160	202.62	202.47	-0.15
			Average Deposited	0.097
			Average Erosion	-0.0375



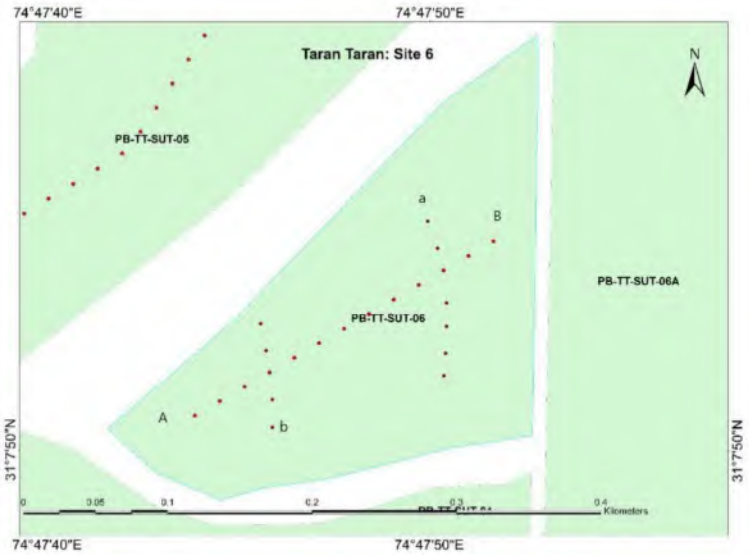
S.No	Distance	Pre-Monsoon	Post-Monsoon	Diff
1	0	201.98	202.09	0.11
2	20	202.01	202.15	0.14
3	40	202.05	202.16	0.11
4	60	202.07	202.18	0.11
			Average Deposited	0.1175

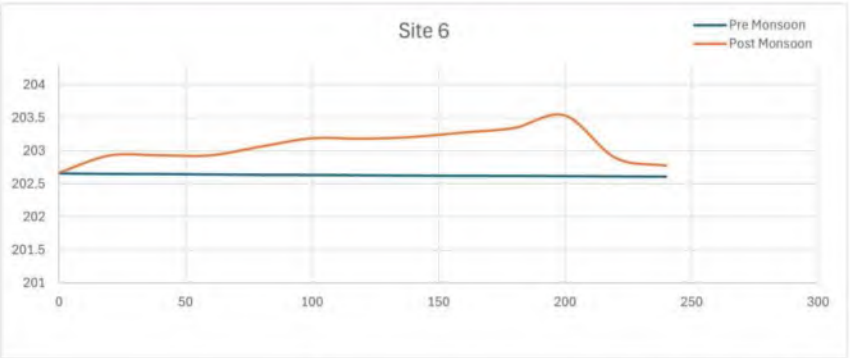


S.No	Distance	Pre-Monsoon	Post-Monsoon	Diff
1	0	202.07	202.19	0.12
2	20	202.5	202.41	-0.09
3	40	201.98	202.1	0.12
4	60	202.6	202.47	-0.13
5	80	202.01	202.18	0.17
6	100	202.4	202.35	-0.05
7	120	202.7	202.49	-0.21
8	140	202.05	202.2	0.15
			Average Deposited	0.14
			Average Eerosion	-0.12


Line c
203
202.5
202
201.5
0
20
40
60
80
100
120
140
Pre-Monsoon
Post-Monsoon

Taran Taran: Site 6

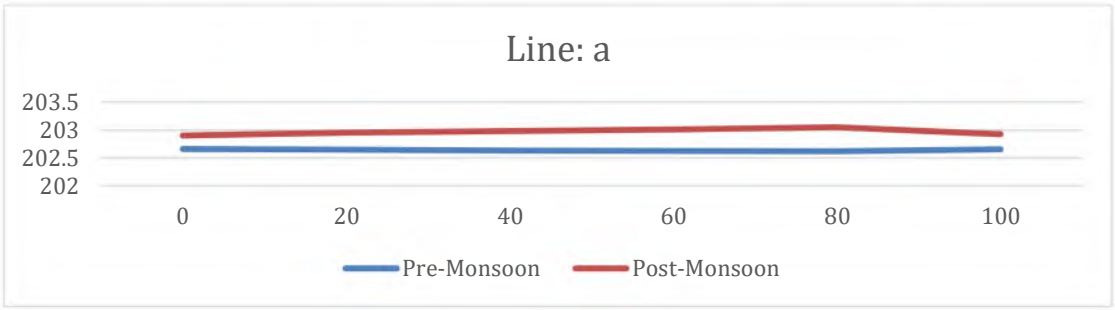




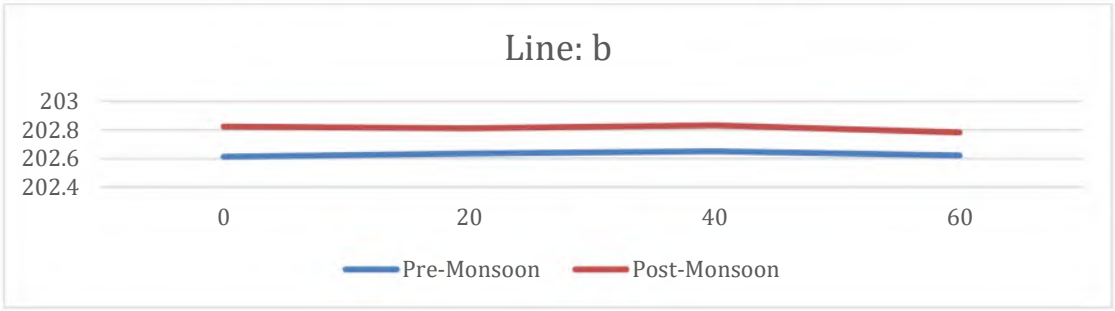
S. No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	202.6577	202.6697	0.012
2	20	202.6508	202.9308	0.28
3	40	202.6487	202.9319	0.2832
4	60	202.6425	202.9326	0.2901
5	80	202.6368	203.0663	0.4295
6	100	202.6353	203.1905	0.5552
7	120	202.6304	203.1843	0.5539
8	140	202.6258	203.2108	0.585
9	160	202.6215	203.279	0.6575

10	180	202.6207	203.3472	0.7265
11	200	202.617	203.5367	0.9197
12	220	202.6136	202.894	0.2804
13	240	202.6104	202.7764	0.166
			Avg. Deposited	0.441462
			Avg. Erosion	NA

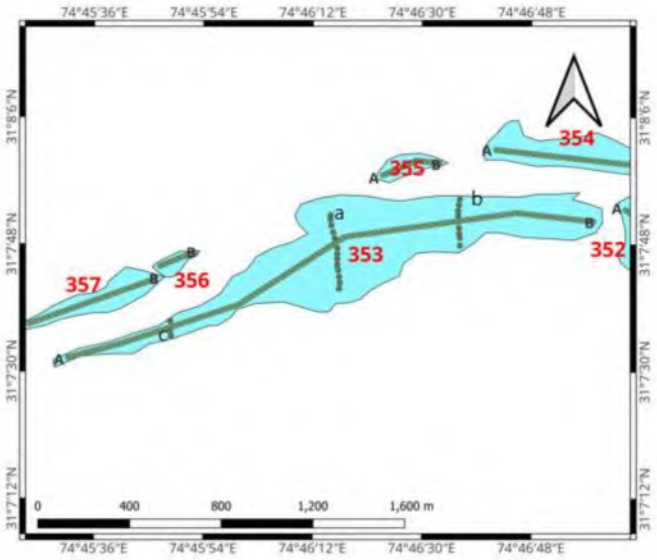
S.No	Distance	Pre-Monsoon	Post-Monsoon	Diff
1	0	202.66	202.9	0.24
2	20	202.645	202.95	0.305
3	40	202.63	202.98	0.35
4	60	202.625	203.01	0.385
5	80	202.62	203.045	0.425
6	100	202.65	202.92	0.27
			Average Deposited	0.329167

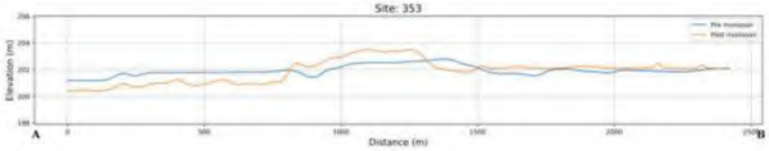


S.No	Distance	Pre-Monsoon	Post-Monsoon	Diff
1	0	202.61	202.82	0.21
2	20	202.635	202.81	0.175
3	40	202.648	202.83	0.182
4	60	202.62	202.78	0.16
			Average Deposited	0.18175



Site: 353



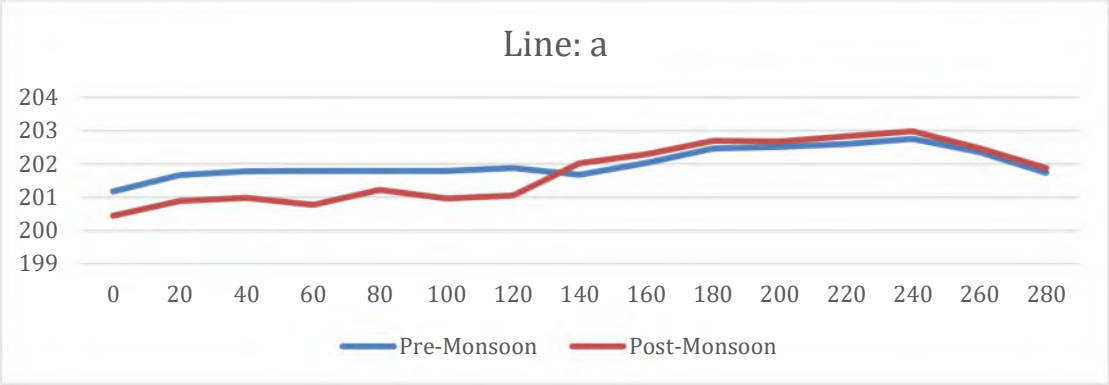


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	201.173	200.394	-0.779
2	20	201.173	200.412	-0.761
3	40	201.173	200.437	-0.736
4	60	201.174	200.453	-0.720
5	80	201.174	200.433	-0.741
6	100	201.174	200.384	-0.790
7	120	201.177	200.385	-0.792
8	140	201.208	200.448	-0.760
9	160	201.351	200.548	-0.803
10	180	201.589	200.745	-0.844
11	200	201.720	200.940	-0.780
12	220	201.660	200.880	-0.781
13	240	201.538	200.704	-0.834
14	260	201.562	200.668	-0.894
15	280	201.688	200.755	-0.933
16	300	201.760	200.886	-0.875
17	320	201.777	200.963	-0.814
18	340	201.779	200.973	-0.806
19	360	201.779	200.969	-0.811
20	380	201.780	201.113	-0.667
21	400	201.780	201.238	-0.542
22	420	201.782	201.142	-0.640
23	440	201.783	200.904	-0.879
24	460	201.783	200.767	-1.017

25	480	201.785	200.785	-1
26	500	201.786	200.897	-0.890
27	520	201.786	201.007	-0.780
28	540	201.786	201.114	-0.673
29	560	201.787	201.220	-0.567
30	580	201.790	201.192	-0.598
31	600	201.792	201.012	-0.781
32	620	201.793	200.865	-0.928
33	640	201.796	200.879	-0.917
34	660	201.798	200.969	-0.828
35	680	201.798	200.953	-0.845
36	700	201.799	200.852	-0.947
37	720	201.807	200.889	-0.918
38	740	201.837	201.035	-0.803
39	760	201.874	201.043	-0.831
40	780	201.904	201.064	-0.840
41	800	201.952	201.533	-0.419
42	820	201.944	202.255	0.311
43	840	201.844	202.474	0.629
44	860	201.673	202.311	0.637
45	880	201.468	202.225	0.757
46	900	201.402	202.243	0.840
47	920	201.568	202.341	0.774
48	940	201.854	202.634	0.780
49	960	202.031	202.854	0.823
50	980	202.096	202.891	0.795
51	1000	202.192	202.907	0.715
52	1020	202.336	203.097	0.761
53	1040	202.426	203.266	0.840
54	1060	202.468	203.334	0.867
55	1080	202.505	203.458	0.953
56	1100	202.522	203.522	1
57	1120	202.519	203.445	0.926
58	1140	202.514	203.346	0.832
59	1160	202.513	203.308	0.795
60	1180	202.517	203.359	0.842
61	1200	202.527	203.375	0.848
62	1220	202.543	203.374	0.831
63	1240	202.566	203.478	0.912
64	1260	202.593	203.481	0.888
65	1280	202.619	203.311	0.692
66	1300	202.646	203.001	0.354
67	1320	202.683	202.551	-0.132
68	1340	202.727	202.220	-0.506
69	1360	202.760	202.081	-0.679
70	1380	202.773	201.985	-0.788
71	1400	202.738	201.945	-0.793
72	1420	202.622	201.874	-0.748
73	1440	202.463	201.835	-0.628
74	1460	202.349	201.775	-0.575
75	1480	202.267	201.843	-0.424
76	1500	202.141	202.169	0.028

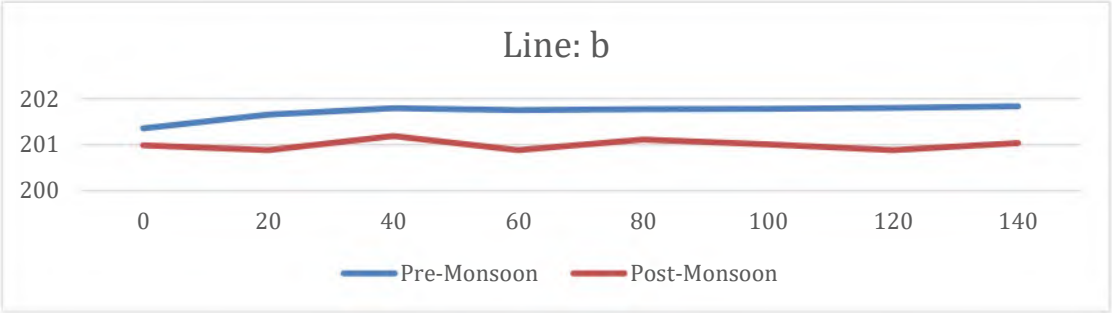
77	1520	201.974	202.258	0.284
78	1540	201.809	202.090	0.280
79	1560	201.723	202.049	0.326
80	1580	201.704	202.101	0.397
81	1600	201.708	202.141	0.433
82	1620	201.716	202.170	0.454
83	1640	201.703	202.185	0.482
84	1660	201.664	202.180	0.516
85	1680	201.601	202.156	0.556
86	1700	201.540	202.127	0.587
87	1720	201.570	202.105	0.535
88	1740	201.732	202.087	0.355
89	1760	201.911	202.076	0.165
90	1780	202.008	202.078	0.069
91	1800	202.040	202.094	0.054
92	1820	202.033	202.129	0.096
93	1840	202.014	202.176	0.162
94	1860	201.974	202.215	0.241
95	1880	201.895	202.232	0.337
96	1900	201.840	202.226	0.386
97	1920	201.838	202.203	0.366
98	1940	201.817	202.175	0.358
99	1960	201.765	202.145	0.379
100	1980	201.749	202.117	0.368
101	2000	201.816	202.096	0.279
102	2020	201.920	202.085	0.164
103	2040	201.964	202.088	0.123
104	2060	201.945	202.101	0.156
105	2080	201.924	202.117	0.193
106	2100	201.920	202.128	0.209
107	2120	201.913	202.131	0.218
108	2140	201.897	202.124	0.227
109	2160	201.877	202.481	0.237
110	2180	201.855	202.108	0.252
111	2200	201.835	202.104	0.268
112	2220	201.824	202.099	0.275
113	2240	201.826	202.089	0.263
114	2260	201.843	202.076	0.234
115	2280	201.872	202.070	0.198
116	2300	201.913	202.071	0.158
117	2320	201.963	202.343	0.113
118	2340	202.014	202.084	0.070
119	2360	202.058	202.096	0.037
120	2380	202.091	202.100	0.009
121	2400	202.113	202.088	-0.025
122	2420	202.126	202.069	-0.058
		Avg Deposited		0.447
		Avg Eroded		-0.729

S.No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.173	200.437	-0.456
2	20	201.66	200.88	-0.18
3	40	201.779	200.973	-0.106
4	60	201.783	200.767	-0.016
5	80	201.787	201.22	0.356
6	100	201.798	200.969	0.171
7	120	201.874	201.043	0.169
8	140	201.673	202.011	0.338
9	160	202.031	202.284	0.253
10	180	202.468	202.701	0.233
11	200	202.513	202.67	0.157
12	220	202.593	202.821	0.228
13	240	202.76	202.981	0.221
14	260	202.349	202.47	0.121
15	280	201.723	201.87	0.147
			Average Deposited	0.217636
			Average Erosion	-0.1895

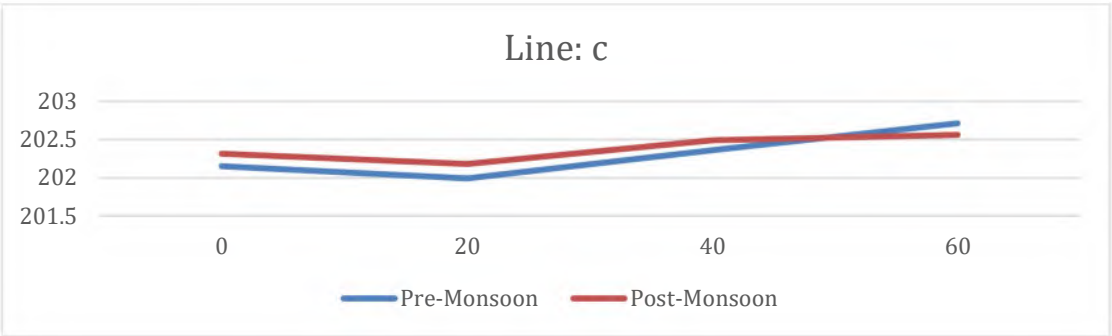


erial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.351	200.982	-0.369
2	20	201.66	200.88	-0.18
3	40	201.79	201.192	0.342
4	60	201.76	200.886	-0.126
5	80	201.78	201.113	-0.093
6	100	201.786	201.007	0.221
7	120	201.796	200.879	0.083

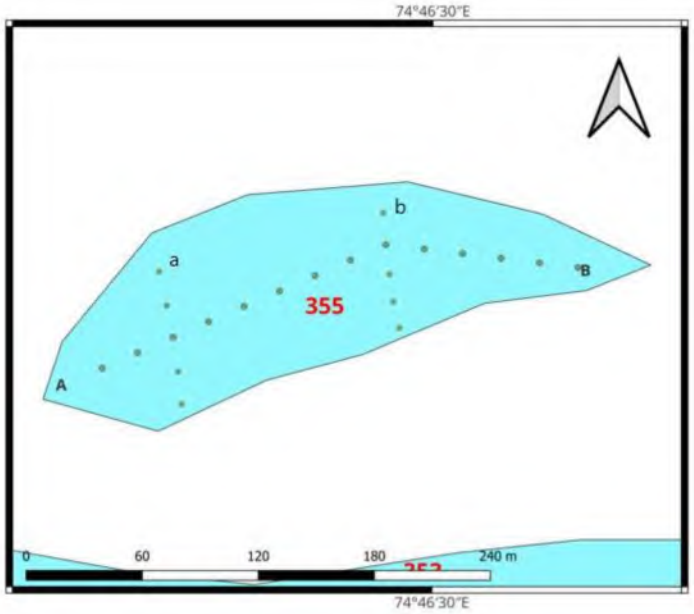
8	140	201.837	201.035	0.198
			Average Deposited	0.211
			Average Erosion	-0.133

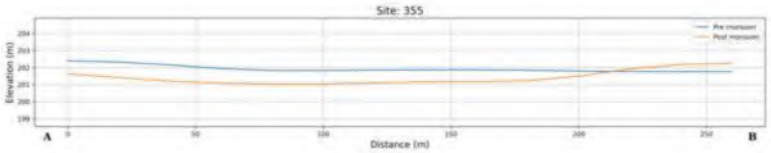


Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.145	202.31	0.165
2	20	201.987	202.175	0.188
3	40	202.356	202.486	0.13
4	60	202.712	202.556	-0.156
			Average Deposited	0.161
			Average Erosion	-0.156



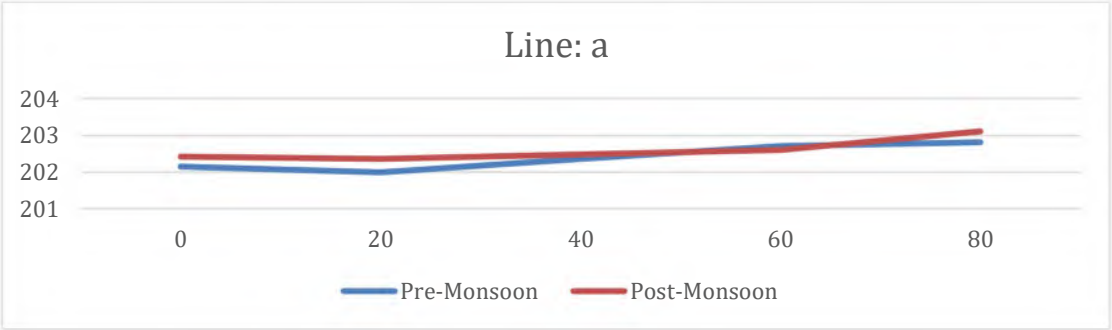
Site: 355



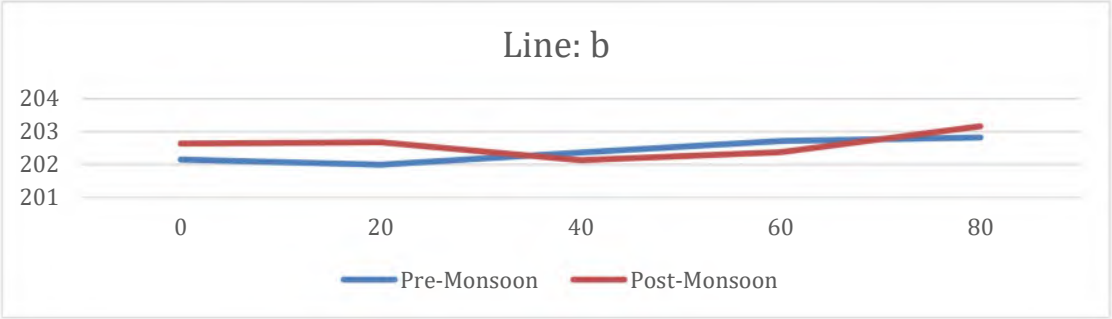


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	202.397	201.633	-0.763
2	20	202.322	201.411	-0.911
3	40	202.157	201.205	-0.952
4	60	201.942	201.090	-0.852
5	80	201.831	201.035	-0.797
6	100	201.828	201.042	-0.787
7	120	201.853	201.106	-0.748
8	140	201.870	201.168	-0.702
9	160	201.871	201.175	-0.697
10	180	201.846	201.228	-0.617
11	200	201.798	201.495	-0.303
12	220	201.766	201.921	0.155
13	240	201.758	202.182	0.424
14	260	201.760	202.250	0.490
		Avg Deposited		0.356
		Avg Eroded		-0.739

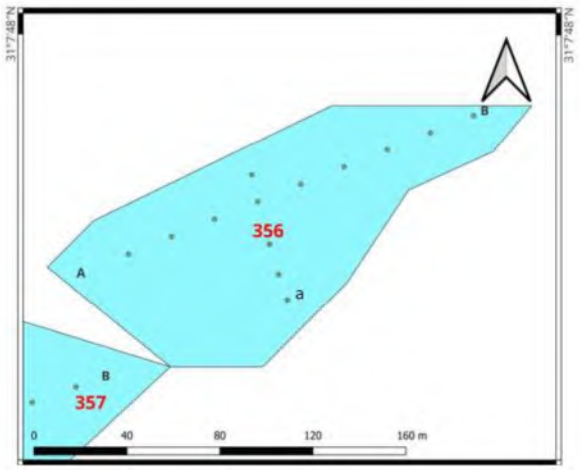
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.145	202.42	0.275
2	20	201.987	202.36	0.373
3	40	202.356	202.476	0.12
4	60	202.712	202.598	-0.114
5	80	202.824	203.11	0.286
			Average Deposited	0.2635
			Average Erosion	-0.114

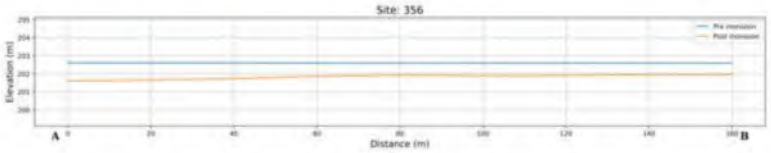


Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.145	202.63	0.485
2	20	201.987	202.672	0.685
3	40	202.356	202.12	-0.236
4	60	202.712	202.37	-0.342
5	80	202.824	203.165	0.341
			Average Deposited	0.503667
			Average Erosion	-0.289



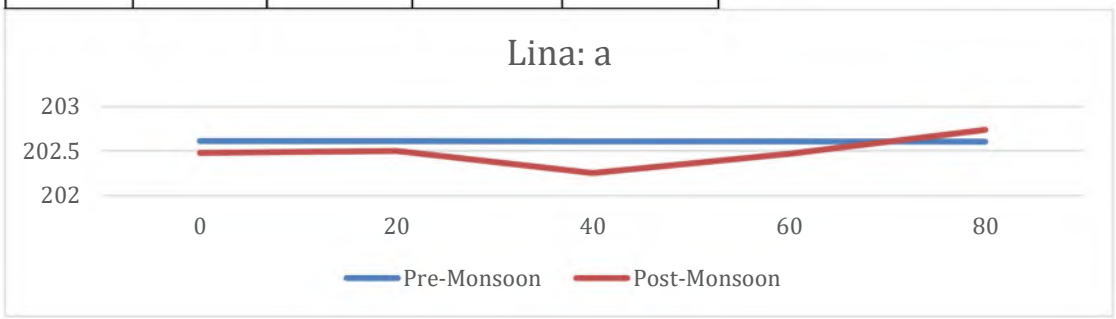
Site: 356



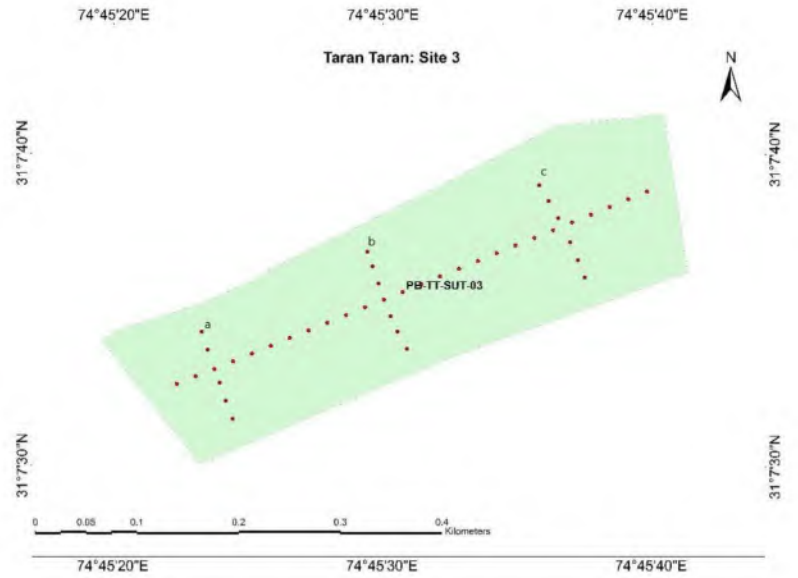


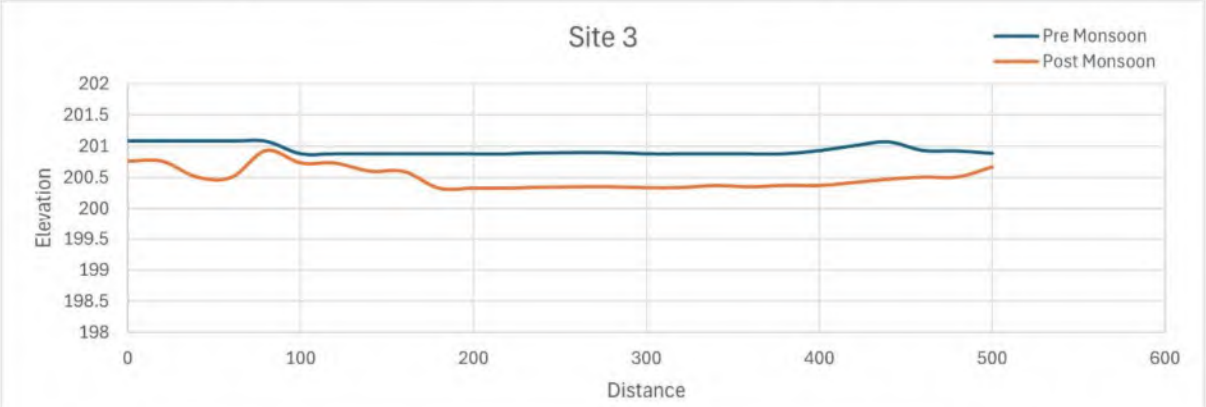
SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	202.613	201.605	-1.008
2	20	202.611	201.651	-0.960
3	40	202.609	201.734	-0.874
4	60	202.607	201.866	-0.741
5	80	202.604	201.935	-0.670
6	100	202.601	201.908	-0.693
7	120	202.599	201.918	-0.681
8	140	202.596	201.960	-0.637
9	160	202.595	201.958	-0.637
		Avg Deposited		
		Avg Eroded		-0.767

Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.613	202.479	-0.134
2	20	202.611	202.5	-0.111
3	40	202.609	202.253	-0.356
4	60	202.607	202.469	-0.138
5	80	202.604	202.738	0.134
			Average Deposited	0.134
			Average Erosion	-0.18475



Taran Taran: Site 3

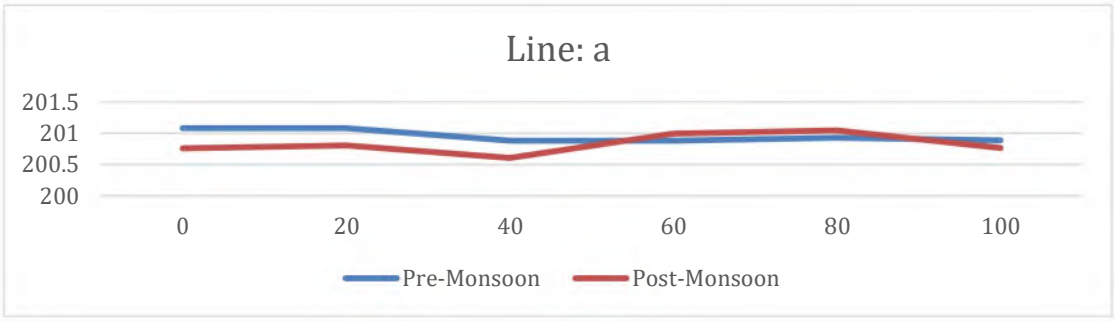




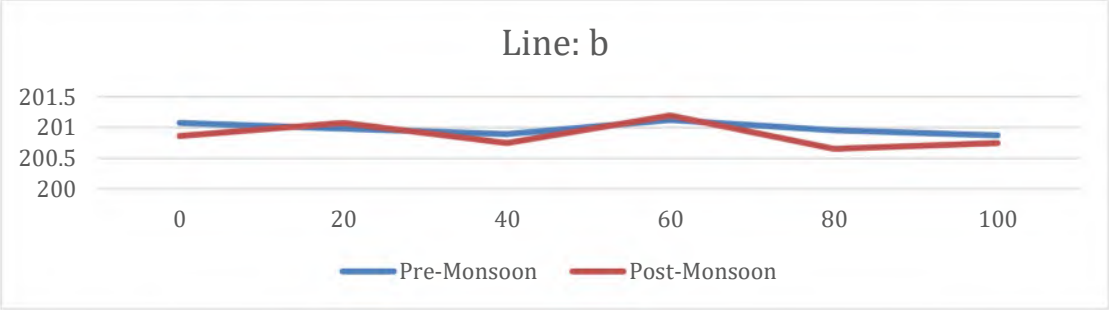
S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	201.0803	200.7587	-0.3216
2	20	201.0803	200.7586	-0.3217
3	40	201.0806	200.5074	-0.5732
4	60	201.0806	200.5016	-0.579
5	80	201.0775	200.9305	-0.147
6	100	200.8804	200.7319	-0.1485
7	120	200.8807	200.7278	-0.1529
8	140	200.8807	200.6005	-0.2802
9	160	200.8807	200.5934	-0.2873
10	180	200.8807	200.329	-0.5517
11	200	200.8809	200.3301	-0.5508
12	220	200.8808	200.3311	-0.5497
13	240	200.8943	200.345	-0.5493
14	260	200.8987	200.351	-0.5477
15	280	200.8976	200.352	-0.5456
16	300	200.881	200.3374	-0.5436

17	320	200.881	200.3396	-0.5414
18	340	200.8809	200.3723	-0.5086
19	360	200.8808	200.3514	-0.5294
20	380	200.8811	200.3744	-0.5067
21	400	200.93	200.3724	-0.5576
22	420	201.0073	200.4201	-0.5872
23	440	201.0684	200.4733	-0.5951
24	460	200.9323	200.5057	-0.4266
25	480	200.9241	200.5081	-0.416
26	500	200.8863	200.6669	-0.2194
			Avg. Deposited	NA
			Avg. Erosion	-0.443761538

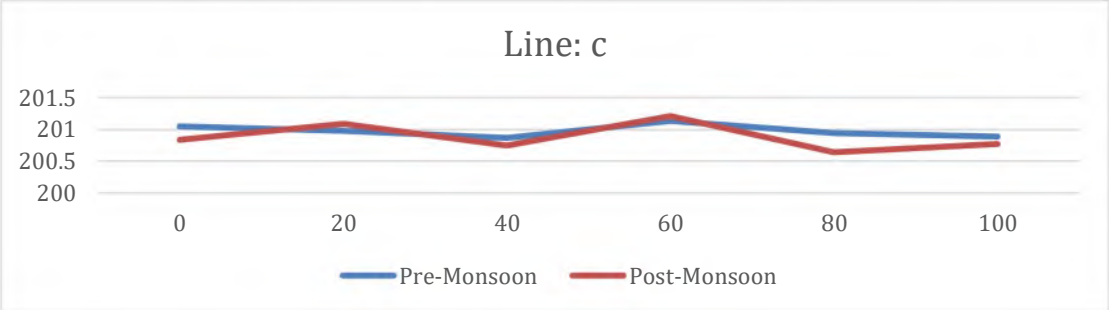
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.0803	200.7587	-0.3216
2	20	201.0806	200.8012	-0.2794
3	40	200.8807	200.6005	-0.2802
4	60	200.881	200.9935	**0.1125**
5	80	200.9241	201.045	**0.1209**
6	100	200.8863	200.7613	-0.125
			Average Deposited	0.1167
			Average Erosion	-0.2282



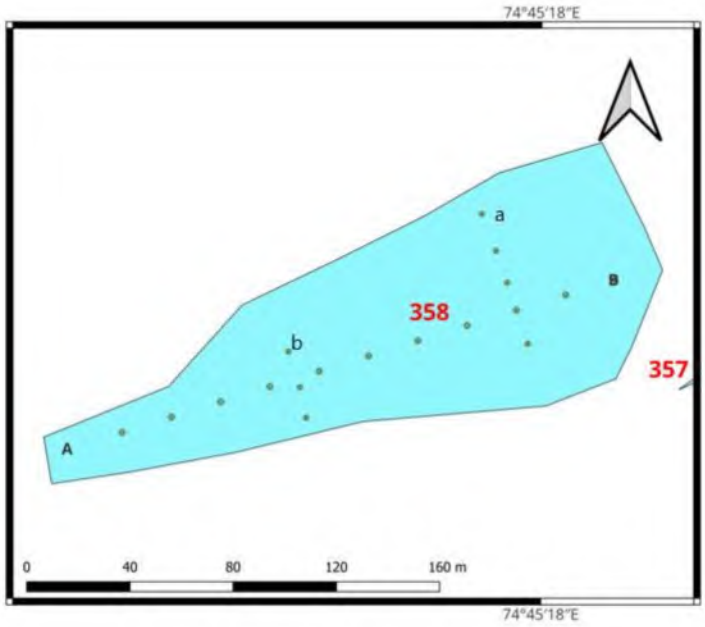
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.0753	200.8603	-0.215
2	20	200.9821	201.0801	**0.098**
3	40	200.8905	200.7475	-0.143
4	60	201.1204	201.1924	**0.072**
5	80	200.9547	200.6537	-0.301
6	100	200.8726	200.7476	-0.125
			Average Deposited	0.085
			Average Erosion	-0.18967

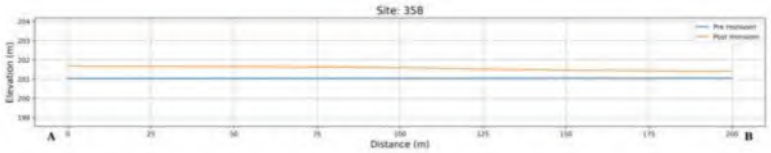


Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.0456	200.8324	-0.2132
2	20	200.9783	201.089	0.1107
3	40	200.8657	200.7432	-0.1225
4	60	201.1342	201.2051	0.0709
5	80	200.9403	200.6392	-0.3011
6	100	200.8875	200.7695	-0.118
			Average Deposited	0.0908
			Average Erosion	-0.1887



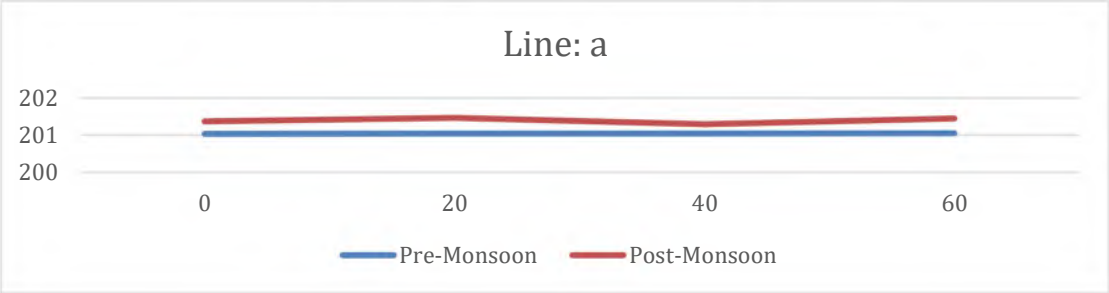
Site: 358



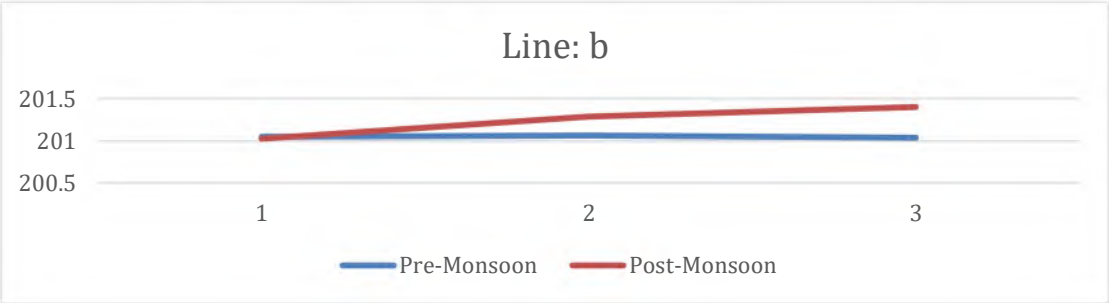


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	201.036	201.681	0.645
2	20	201.037	201.665	0.628
3	40	201.039	201.655	0.616
4	60	201.040	201.645	0.605
5	80	201.042	201.634	0.591
6	100	201.044	201.596	0.552
7	120	201.047	201.541	0.494
8	140	201.049	201.490	0.442
9	160	201.050	201.451	0.401
10	180	201.051	201.423	0.372
11	200	201.053	201.409	0.356
		Avg Deposited		0.518
		Avg Eroded		

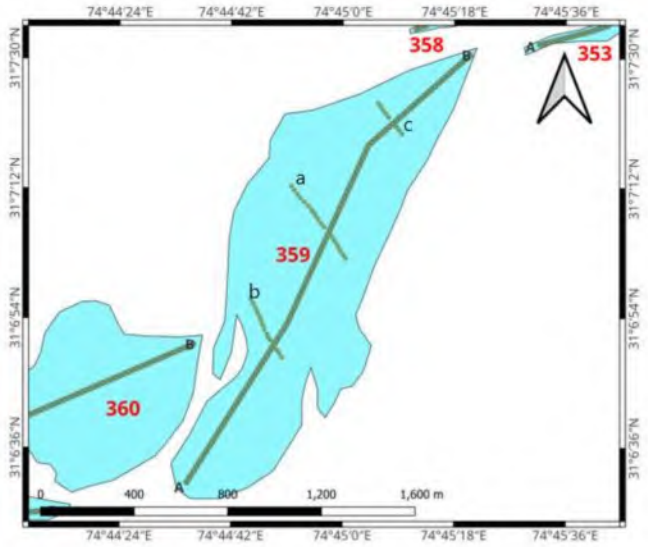
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.036	201.366	**0.33**
2	20	201.039	201.472	**0.433**
3	40	201.044	201.294	**0.25**
4	60	201.05	201.456	**0.406**
			Average Deposited	0.35475

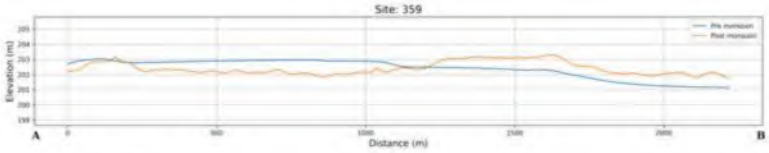


Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	201.048	201.025	**-0.023**
2	20	201.062	201.289	**0.227**
3	40	201.037	201.401	**0.364**
			Average Deposited	0.2955
			Average Erosion	**-0.023**



Site: 359



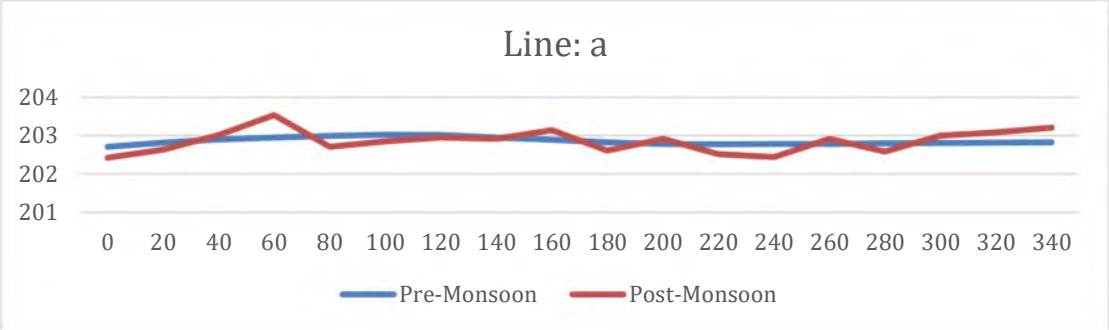


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	202.699	202.221	-0.478
2	20	202.810	202.225	-0.584
3	40	202.898	202.315	-0.583
4	60	202.944	202.610	-0.334
5	80	202.985	202.821	-0.164
6	100	203.023	202.853	-0.169
7	120	203.013	202.848	-0.166
8	140	202.955	202.850	-0.105
9	160	202.887	203.167	-0.033
10	180	202.823	202.856	0.033
11	200	202.782	202.817	0.035
12	220	202.774	202.630	-0.145
13	240	202.780	202.327	-0.454
14	260	202.789	202.192	-0.596
15	280	202.797	202.249	-0.548
16	300	202.807	202.311	-0.496
17	320	202.815	202.336	-0.479
18	340	202.823	202.337	-0.486
19	360	202.832	202.318	-0.513
20	380	202.840	202.291	-0.549
21	400	202.847	202.257	-0.591
22	420	202.855	202.203	-0.653

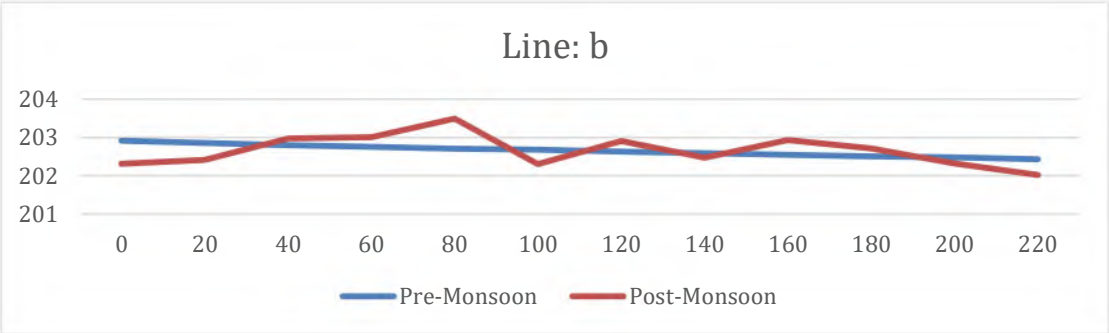
23	440	202.863	202.139	-0.725
24	460	202.871	202.153	-0.717
25	480	202.878	202.247	-0.631
26	500	202.886	202.216	-0.670
27	520	202.892	202.089	-0.803
28	540	202.899	202.148	-0.751
29	560	202.905	202.285	-0.620
30	580	202.910	202.232	-0.678
31	600	202.916	202.093	-0.824
32	620	202.922	202.121	-0.801
33	640	202.927	202.148	-0.779
34	660	202.932	202.099	-0.833
35	680	202.936	202.208	-0.728
36	700	202.940	202.337	-0.603
37	720	202.944	202.247	-0.697
38	740	202.947	202.052	-0.896
39	760	202.950	202.005	-0.945
40	780	202.953	202.084	-0.870
41	800	202.956	202.109	-0.847
42	820	202.954	202.024	-0.930
43	840	202.936	201.892	-1.044
44	860	202.903	201.826	-1.077
45	880	202.884	201.916	-0.968
46	900	202.882	202.032	-0.851
47	920	202.881	201.996	-0.885
48	940	202.876	202.016	-0.860
49	960	202.872	202.108	-0.764
50	980	202.872	202.151	-0.722
51	1000	202.873	202.156	-0.717
52	1020	202.863	202.149	-0.714
53	1040	202.845	202.433	-0.703
54	1060	202.817	202.147	-0.670
55	1080	202.735	202.199	-0.536
56	1100	202.603	202.321	-0.283
57	1120	202.521	202.436	-0.084
58	1140	202.498	202.441	-0.058
59	1160	202.494	202.354	-0.140
60	1180	202.491	202.321	-0.170
61	1200	202.486	202.416	-0.070
62	1220	202.480	202.605	0.126
63	1240	202.472	202.813	0.341
64	1260	202.465	202.976	0.511
65	1280	202.459	203.041	0.582
66	1300	202.455	203.048	0.593
67	1320	202.447	203.058	0.610
68	1340	202.437	203.097	0.660
69	1360	202.425	203.144	0.719
70	1380	202.413	203.163	0.751
71	1400	202.402	203.127	0.724
72	1420	202.393	203.096	0.703
73	1440	202.380	203.121	0.741
74	1460	202.362	203.103	0.741

75	1480	202.341	203.077	0.737
76	1500	202.318	203.083	0.765
77	1520	202.298	203.100	0.802
78	1540	202.286	203.116	0.830
79	1560	202.293	203.131	0.838
80	1580	202.314	203.168	0.854
81	1600	202.308	203.245	0.937
82	1620	202.270	203.294	1.024
83	1640	202.213	203.254	1.042
84	1660	202.119	203.073	0.954
85	1680	202.014	202.799	0.786
86	1700	201.946	202.615	0.669
87	1720	201.883	202.544	0.661
88	1740	201.810	202.533	0.723
89	1760	201.733	202.518	0.784
90	1780	201.658	202.381	0.723
91	1800	201.593	202.227	0.634
92	1820	201.535	202.143	0.608
93	1840	201.480	202.107	0.627
94	1860	201.435	202.054	0.619
95	1880	201.396	202.055	0.659
96	1900	201.359	202.091	0.732
97	1920	201.329	202.018	0.689
98	1940	201.304	201.914	0.611
99	1960	201.279	201.896	0.617
100	1980	201.259	201.962	0.702
101	2000	201.242	202.046	0.804
102	2020	201.226	202.073	0.847
103	2040	201.212	202.136	0.924
104	2060	201.201	202.143	0.942
105	2080	201.189	202.012	0.823
106	2100	201.180	201.826	0.646
107	2120	201.172	201.838	0.667
108	2140	201.163	202.046	0.883
109	2160	201.156	202.169	1.012
110	2180	201.150	202.075	0.925
111	2200	201.144	201.886	0.742
112	2220	201.140	201.763	0.623
		Avg Deposited		0.704
		Avg Eroded		-0.590

Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.699	202.421	-0.278
2	20	202.81	202.625	-0.185
3	40	202.898	203.017	0.119
4	60	202.944	203.53	0.586
5	80	202.985	202.712	-0.273
6	100	203.023	202.845	-0.178
7	120	203.013	202.948	-0.065
8	140	202.955	202.91	-0.045
9	160	202.887	203.14	0.253
10	180	202.823	202.604	-0.219
11	200	202.782	202.919	0.137
12	220	202.774	202.511	-0.263
13	240	202.78	202.435	-0.345
14	260	202.789	202.925	0.136
15	280	202.797	202.582	-0.215
16	300	202.807	202.995	0.188
17	320	202.815	203.079	0.264
18	340	202.823	203.21	0.387
			Average Deposited	0.25875
			Average Erosion	-0.19867

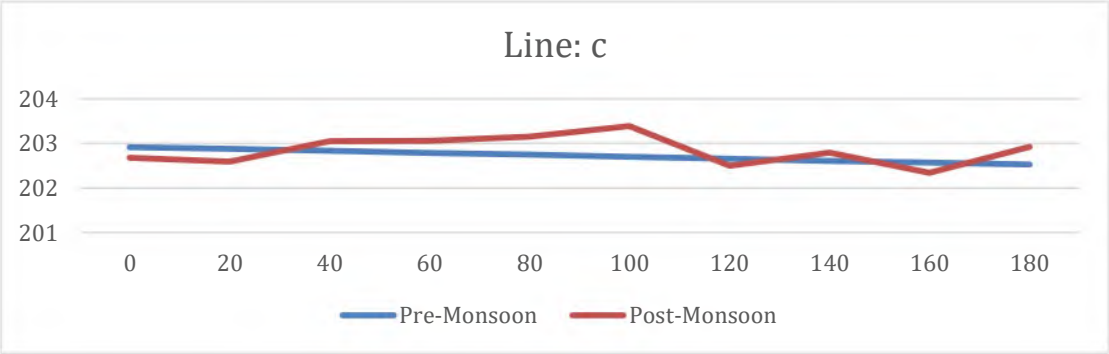


Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.91	202.311	-0.599
2	20	202.85	202.412	-0.438
3	40	202.799	202.973	0.174
4	60	202.755	203.004	0.249
5	80	202.702	203.487	0.785
6	100	202.678	202.299	-0.379
7	120	202.631	202.905	0.274
8	140	202.589	202.473	-0.116
9	160	202.543	202.932	0.389
10	180	202.504	202.711	0.207
11	200	202.473	202.319	-0.154
12	220	202.425	202.014	-0.411
			Average Deposited	0.346333
			Average Erosion	-0.2996

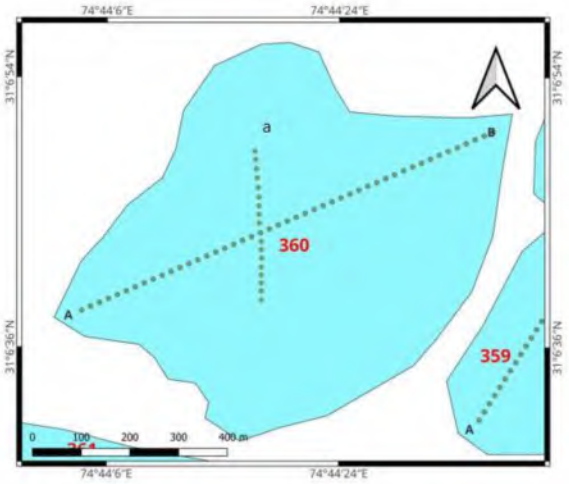


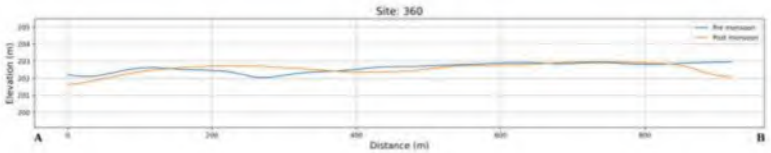
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.912	202.677	-0.235
2	20	202.875	202.589	-0.286
3	40	202.832	203.047	0.215
4	60	202.789	203.056	0.267
5	80	202.745	203.152	0.407
6	100	202.699	203.388	0.689
7	120	202.655	202.498	-0.157
8	140	202.613	202.794	0.181
9	160	202.57	202.341	-0.229
10	180	202.531	202.918	0.387

			Average Deposited	0.357667
			Average Erosion	-0.224



Site: 360



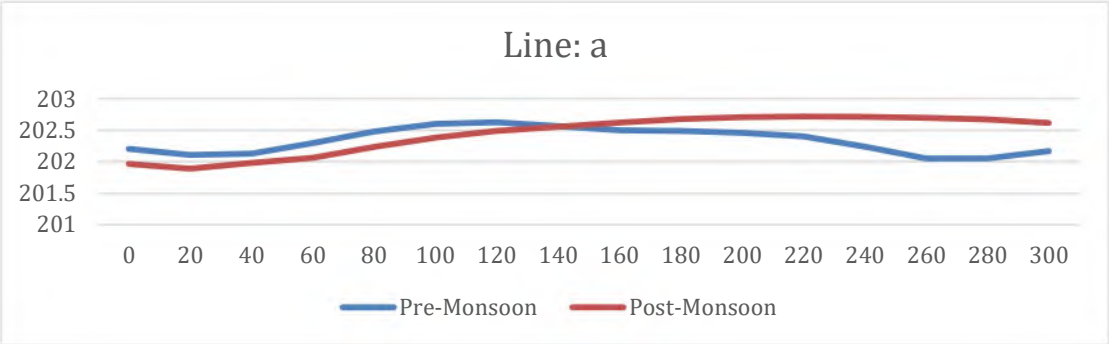


SL	Distance	Pre monsoon	Post monsoon	Difference
1	0	202.200	201.613	-0.587
2	20	202.104	201.725	-0.380
3	40	202.125	201.891	-0.235
4	60	202.294	202.067	-0.227
5	80	202.475	202.238	-0.237
6	100	202.598	202.384	-0.214
7	120	202.629	202.488	-0.142
8	140	202.568	202.560	-0.008
9	160	202.501	202.625	0.124
10	180	202.485	202.681	0.196
11	200	202.457	202.712	0.255
12	220	202.404	202.719	0.315
13	240	202.241	202.715	0.473
14	260	202.050	202.702	0.652
15	280	202.052	202.671	0.619
16	300	202.173	202.619	0.446
17	320	202.285	202.563	0.277
18	340	202.358	202.512	0.154
19	360	202.398	202.446	0.048
20	380	202.440	202.384	-0.056
21	400	202.513	202.360	-0.153
22	420	202.605	202.359	-0.246
23	440	202.666	202.367	-0.299
24	460	202.680	202.394	-0.286
25	480	202.684	202.450	-0.234
26	500	202.717	202.537	-0.180

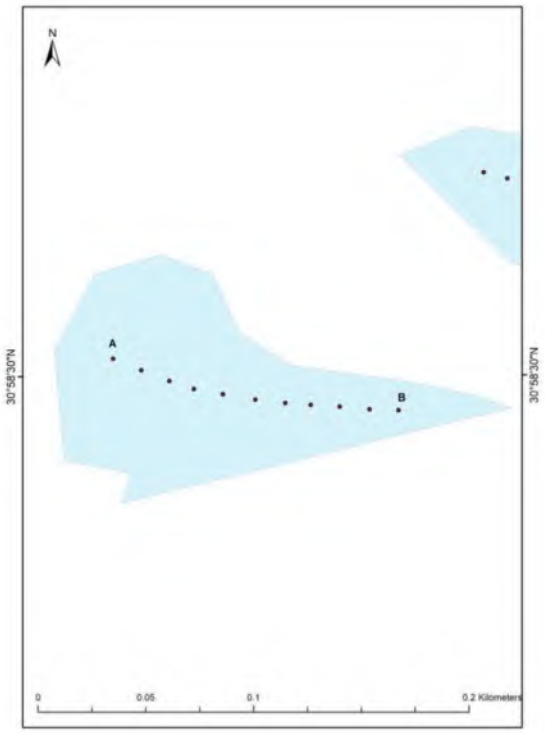
27	520	202.755	202.645	-0.110
28	540	202.787	202.722	-0.064
29	560	202.820	202.747	-0.072
30	580	202.850	202.749	-0.101
31	600	202.882	202.764	-0.118
32	620	202.911	202.789	-0.122
33	640	202.913	202.818	-0.095
34	660	202.876	202.854	-0.022
35	680	202.837	202.901	0.064
36	700	202.854	202.945	0.091
37	720	202.903	202.971	0.068
38	740	202.918	202.976	0.058
39	760	202.883	202.959	0.076
40	780	202.833	202.927	0.094
41	800	202.805	202.896	0.091
42	820	202.813	202.873	0.061
43	840	202.846	202.825	-0.020
44	860	202.885	202.659	-0.225
45	880	202.916	202.376	-0.540
46	900	202.936	202.157	-0.779
47	920	202.946	202.065	-0.881
		Avg Deposited		0.219
		Avg Eroded		-0.237

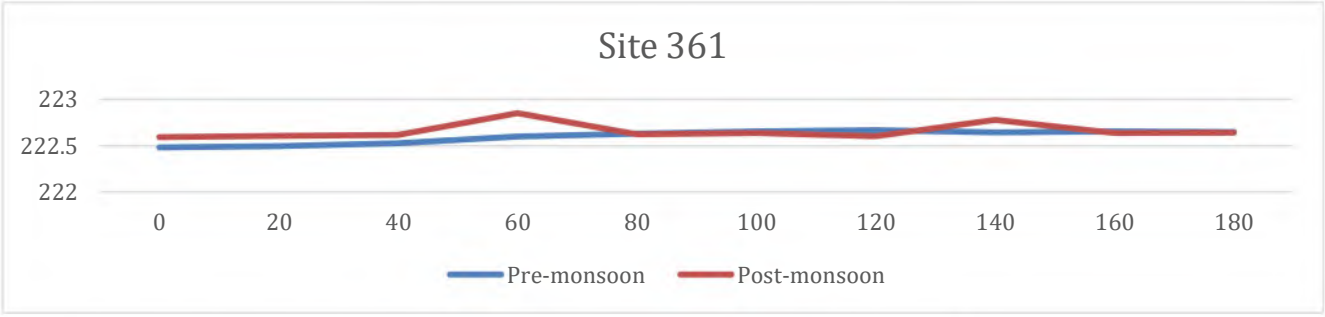
Serial No.	Distance	Pre-Monsoon	Post-Monsoon	Difference
1	0	202.2	201.965	-0.235
2	20	202.104	201.891	-0.213
3	40	202.125	201.985	-0.14
4	60	202.294	202.067	-0.227
5	80	202.475	202.238	-0.237
6	100	202.598	202.384	-0.214
7	120	202.629	202.488	-0.141
8	140	202.568	202.56	-0.008
9	160	202.501	202.625	0.124
10	180	202.485	202.681	0.196
11	200	202.457	202.712	0.255
12	220	202.404	202.719	0.315
13	240	202.241	202.715	0.389
14	260	202.05	202.702	0.652
15	280	202.052	202.671	0.619

16	300	202.173	202.619	0.446
			Average Deposited	0.3745
			Average Erosion	-0.16857



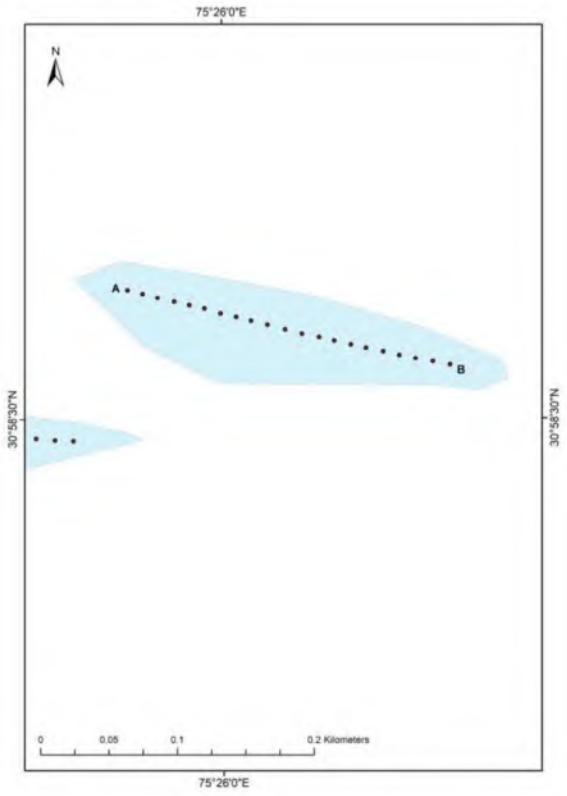
Site: 361



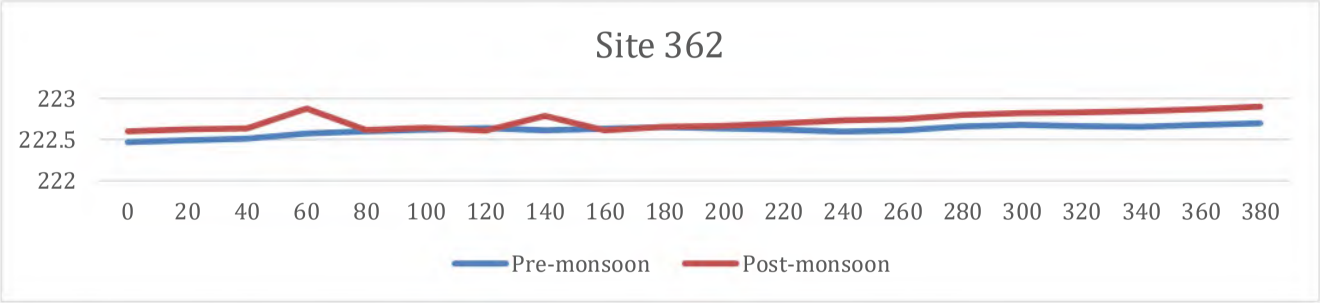


SL	Distance	Pre-monsoon	Post-monsoon	Difference
1	0	222.481	222.592	0.111
2	20	222.493	222.604	0.111
3	40	222.526	222.617	0.091
4	60	222.598	222.852	0.254
5	80	222.631	222.621	-0.01
6	100	222.654	222.635	-0.019
7	120	222.667	222.603	-0.064
8	140	222.642	222.783	0.141
9	160	222.654	222.635	-0.019
10	180	222.647	222.641	-0.006
			Average Deposited	0.14175
			Average Erosion	-0.003833

Site: 362



2692

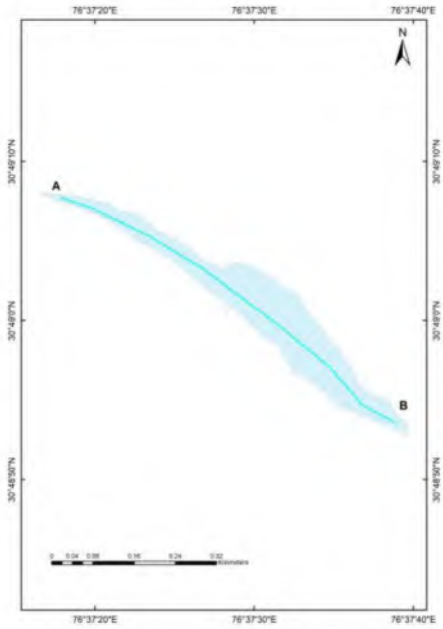


SL	Distance	Pre-monsoon	Post-monsoon	Difference
1	0	222.467	222.599	0.132
2	20	222.493	222.623	0.13
3	40	222.512	222.634	0.122
4	60	222.575	222.877	0.302
5	80	222.6	222.62	0.02
6	100	222.625	222.642	0.017
7	120	222.642	222.607	-0.035
8	140	222.614	222.789	0.175
9	160	222.63	222.613	-0.017
10	180	222.652	222.656	0.004
11	200	222.635	222.667	0.032

12	220	222.624	222.698	0.074
13	240	222.598	222.736	0.138
14	260	222.612	222.749	0.137
15	280	222.658	222.8	0.142
16	300	222.68	222.822	0.142
17	320	222.663	222.832	0.169
18	340	222.656	222.846	0.19
19	360	222.679	222.867	0.188
20	380	222.699	222.9	0.201
			Average Deposition	0.128611
			Average Erosion	-0.026

SAS Nagar DGPS Data

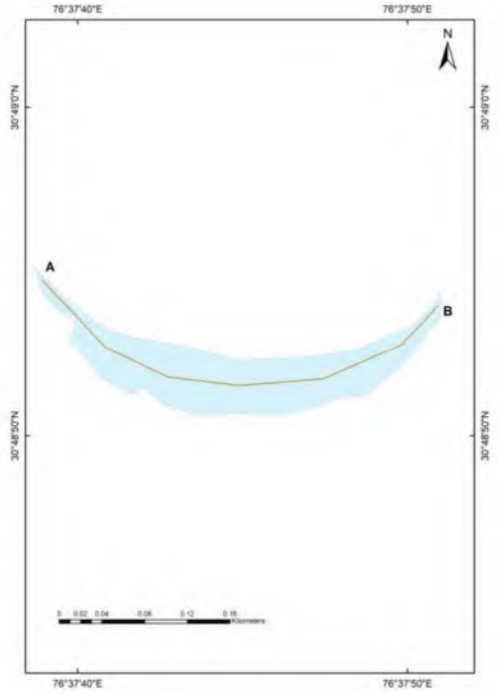
Site: SAS SWN-01

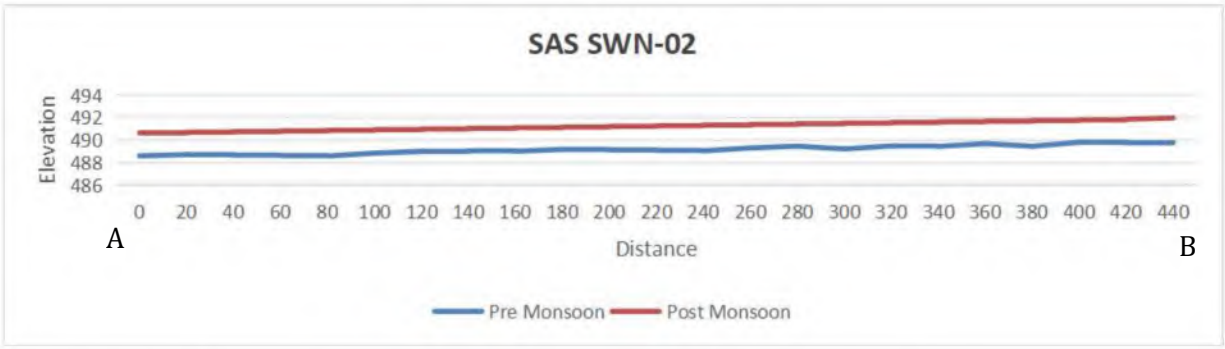


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	488.072	490.222	2.15
2	20	488.182	490.282	2.1
3	40	488.342	490.342	2
4	60	488.102	490.402	2.3
5	80	488.212	490.462	2.25
6	100	488.422	490.522	2.1
7	120	488.582	490.582	2

8	140	488.492	490.642	2.15
9	160	488.302	490.702	2.4
10	180	488.462	490.762	2.3
11	200	488.622	490.822	2.2
12	220	488.782	490.882	2.1
13	240	488.642	490.942	2.3
14	260	488.502	491.002	2.5
15	280	489.062	491.062	2
16	300	489.022	491.122	2.1
17	320	488.982	491.182	2.2
18	340	488.942	491.242	2.3
19	360	489.302	491.302	2
20	380	489.112	491.362	2.25
21	400	489.022	491.422	2.4
22	420	489.182	491.482	2.3
23	440	489.392	491.542	2.15
24	460	489.502	491.602	2.1
25	480	489.362	491.662	2.3
26	500	489.389	491.789	2.4
		Average Deposited		2.21
		Average Erosion		0

Site: SAS SWN-02

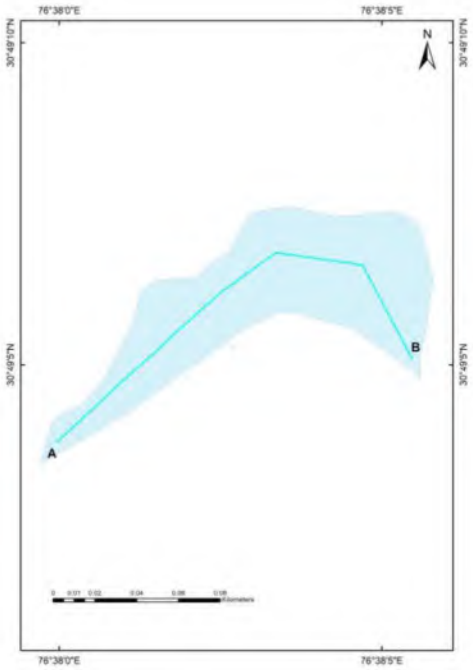


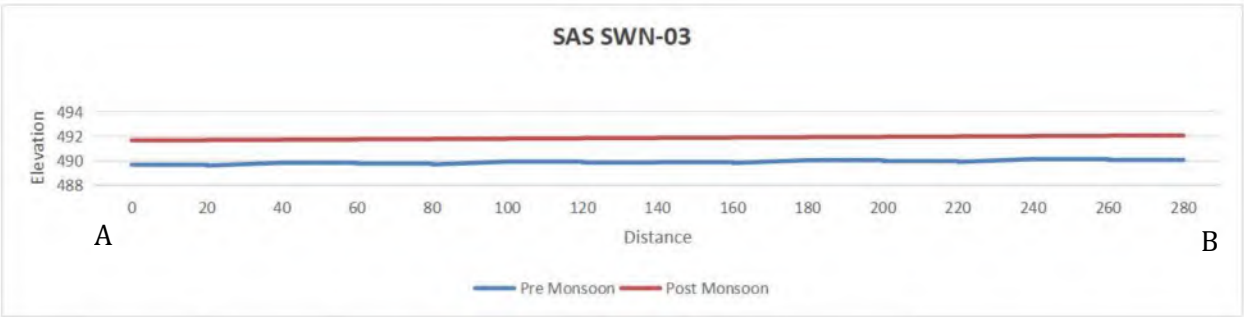


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	488.604	490.654	2.05
2	20	488.712	490.712	2
3	40	488.67	490.77	2.1
4	60	488.628	490.828	2.2
5	80	488.586	490.886	2.3
6	100	488.844	490.944	2.1
7	120	489.002	491.002	2
8	140	489.06	491.06	2

9	160	489.018	491.118	2.1
10	180	489.176	491.176	2
11	200	489.134	491.234	2.1
12	220	489.092	491.292	2.2
13	240	489.05	491.35	2.3
14	260	489.308	491.408	2.1
15	280	489.466	491.466	2
16	300	489.224	491.524	2.3
17	320	489.482	491.582	2.1
18	340	489.44	491.64	2.2
19	360	489.698	491.698	2
20	380	489.456	491.756	2.3
21	400	489.814	491.814	2
22	420	489.772	491.872	2.1
23	440	489.683	491.983	2.3
		Average Deposited		2.12
		Average Erosion		NA

SIte: SAS SWN-03

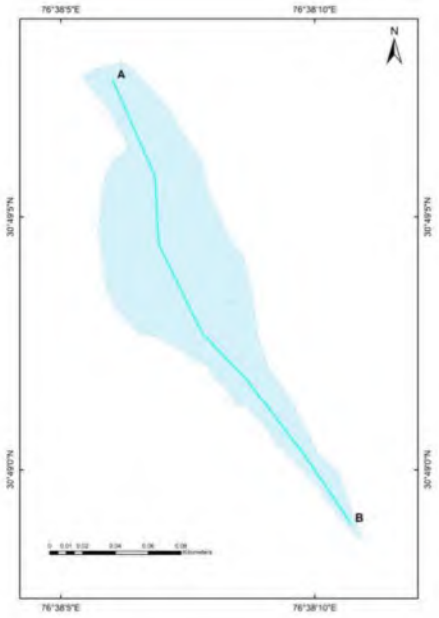


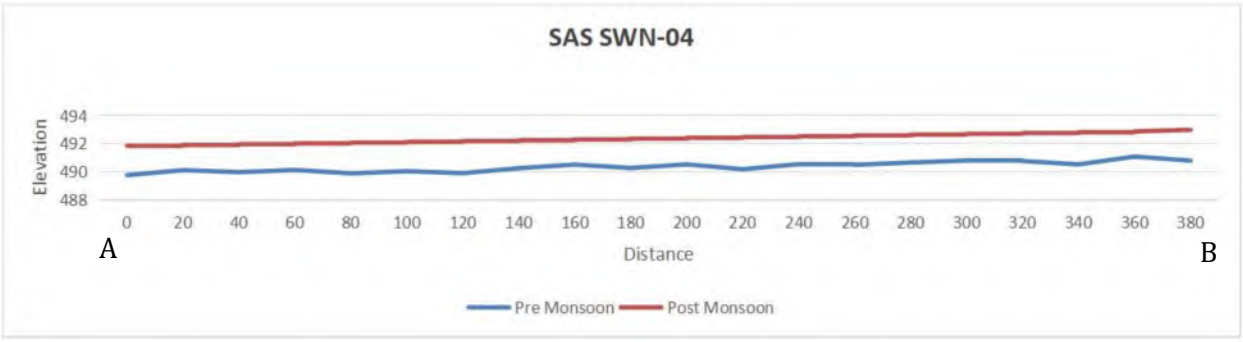


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	489.654	491.654	2.0
2	20	489.584	491.684	2.1
3	40	489.814	491.714	1.9
4	60	489.744	491.744	2.0
5	80	489.674	491.774	2.1
6	100	489.904	491.804	1.9
7	120	489.834	491.834	2.0
8	140	489.864	491.864	2.0
9	160	489.794	491.894	2.1

10	180	490.024	491.924	1.9
11	200	489.954	491.954	2.0
12	220	489.884	491.984	2.1
13	240	490.114	492.014	1.9
14	260	490.044	492.044	2.0
15	280	490.003	492.103	2.1
		Average Deposited		2.0
		Average Erosion		0

Site: SAS SWN-04

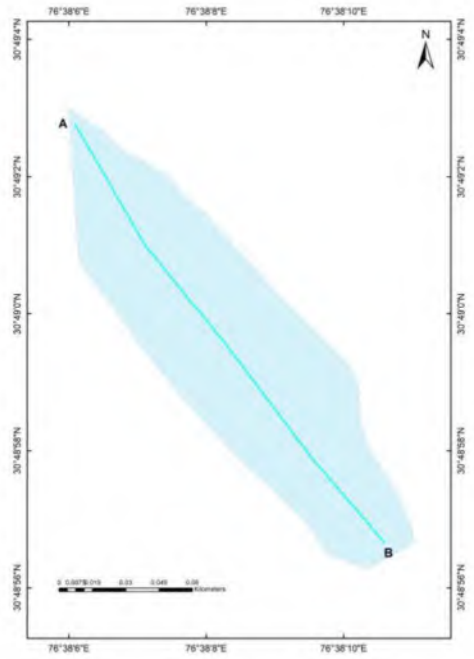


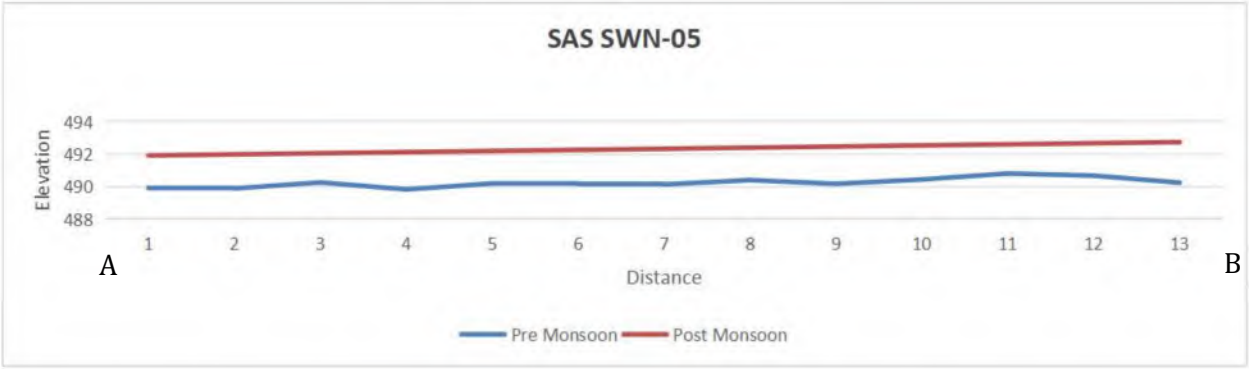


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	489.745	491.845	2.1
2	20	490.102	491.902	1.8
3	40	489.959	491.959	2
4	60	490.116	492.016	1.9
5	80	489.873	492.073	2.2
6	100	490.03	492.13	2.1
7	120	489.887	492.187	2.3
8	140	490.244	492.244	2
9	160	490.501	492.301	1.8

10	180	490.258	492.358	2.1
11	200	490.515	492.415	1.9
12	220	490.172	492.472	2.3
13	240	490.529	492.529	2
14	260	490.486	492.586	2.1
15	280	490.643	492.643	2
16	300	490.8	492.7	1.9
17	320	490.757	492.757	2
18	340	490.514	492.814	2.3
19	360	491.071	492.871	1.8
20	380	490.785	492.985	2.2
		Average Deposited		2.04
		Average Erosion		NA

Site: SAS SWN-05

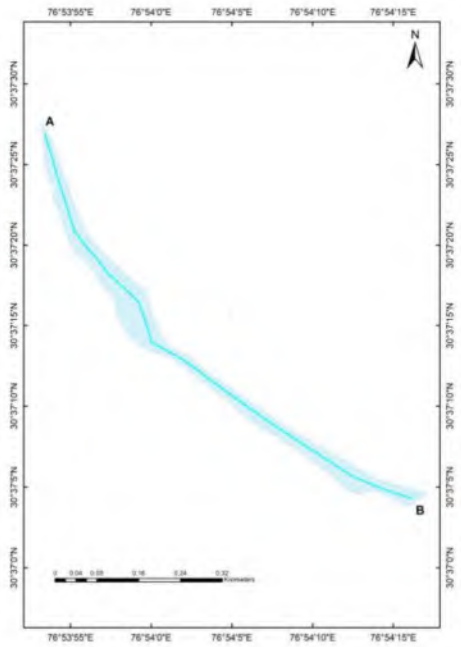


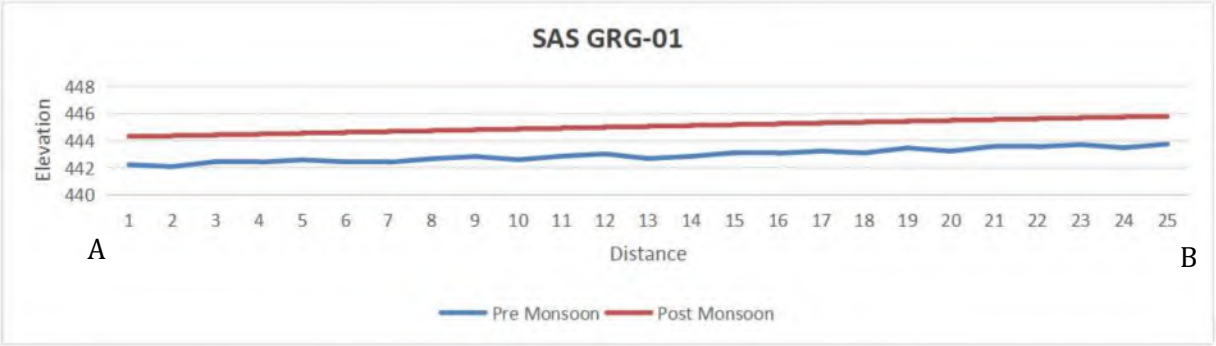


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	489.926	491.926	2.0
2	20	489.895	491.995	2.1
3	40	490.264	492.064	1.8
4	60	489.833	492.133	2.3
5	80	490.202	492.202	2.0
6	100	490.171	492.271	2.1
7	120	490.14	492.34	2.2
8	140	490.409	492.409	2.0

9	160	490.178	492.478	2.3
10	180	490.447	492.547	2.1
11	200	490.816	492.616	1.8
12	220	490.685	492.685	2.0
13	240	490.249	492.749	2.5
		Average Deposited		2.1
		Average Erosion		0

Site: SAS GRG-01

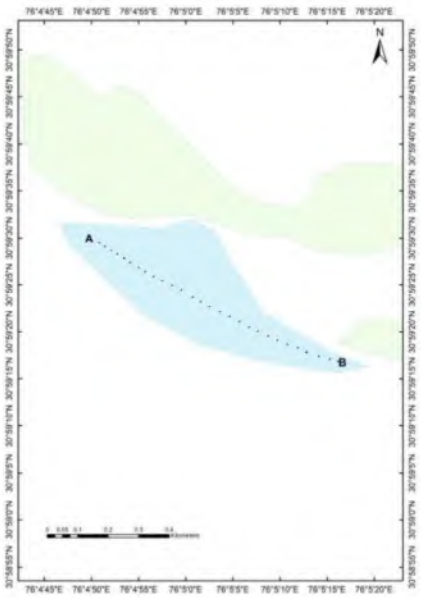


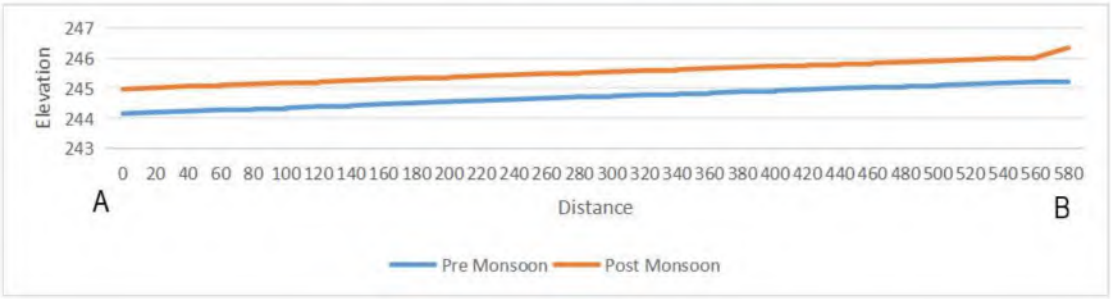


S.No.	Distance	Pre Monsoon	Post Monsoon	Diff
1	0	442.226	444.326	2.1
2	20	442.089	444.389	2.3
3	40	442.453	444.453	2.0
4	60	442.416	444.516	2.1
5	80	442.58	444.58	2.0
6	100	442.443	444.643	2.2
7	120	442.406	444.706	2.3
8	140	442.669	444.769	2.1
9	160	442.832	444.832	2.0

10	180	442.595	444.895	2.3
11	200	442.858	444.958	2.1
12	220	443.021	445.021	2.0
13	240	442.684	445.084	2.4
14	260	442.847	445.147	2.3
15	280	443.11	445.21	2.1
16	300	443.073	445.273	2.2
17	320	443.236	445.336	2.1
18	340	443.099	445.399	2.3
19	360	443.462	445.462	2.0
20	380	443.225	445.525	2.3
21	400	443.588	445.588	2.0
22	420	443.551	445.651	2.1
23	440	443.714	445.714	2.0
24	460	443.477	445.777	2.3
25	480	443.749	445.849	2.1
		Average Deposited		2.15
		Average Erosion		NA

Additional Site (Ludhiana)
Site Name: Ludh 02

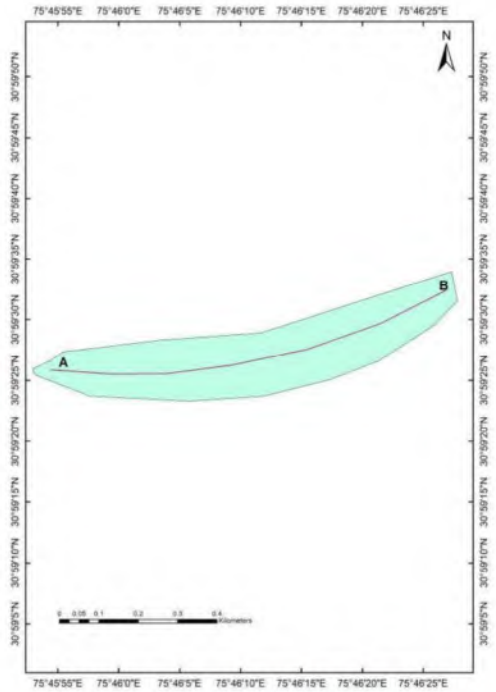


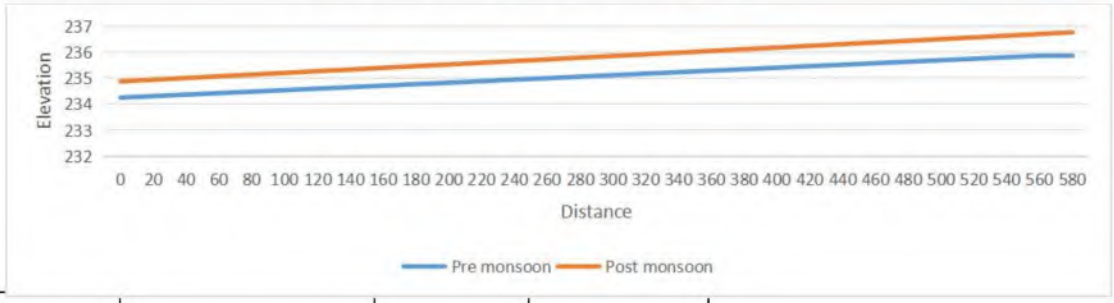


S. No.	Distance	Pre Monsoon	Post Monsoon	Difference
1	0	244.156	244.968	0.812
2	20	244.205	245.013	0.808
3	40	244.241	245.072	0.831
4	60	244.286	245.105	0.819
5	80	244.314	245.142	0.828
6	100	244.348	245.178	0.83
7	120	244.398	245.211	0.813
8	140	244.429	245.255	0.826
9	160	244.475	245.299	0.824
10	180	244.513	245.336	0.823
11	200	244.557	245.365	0.808
12	220	244.593	245.408	0.815
13	240	244.629	245.448	0.819
14	260	244.671	245.486	0.815
15	280	244.715	245.51	0.795
16	300	244.743	245.547	0.804

17	320	244.783	245.589	0.806
18	340	244.814	245.62	0.806
19	360	244.847	245.66	0.813
20	380	244.887	245.701	0.814
21	400	244.921	245.738	0.817
22	420	244.962	245.77	0.808
23	440	245	245.804	0.804
24	460	245.035	245.836	0.801
25	480	245.068	245.871	0.803
26	500	245.102	245.906	0.804
27	520	245.137	245.948	0.811
28	540	245.175	245.991	0.816
29	560	245.213	246.023	0.81
30	580	245.245	246.344	1.099
		Avg. Deposited		0.823
		Avg. Erosion		NA

Additional Site (Ludhiana)
Site Name: Ludh 01





Distance	Pre monsoon	Post monsoon	Difference
0	234.254	234.879	0.625
20	234.3116	234.9449	0.6333
40	234.3692	235.01	0.6408
60	234.4268	235.0751	0.6483
80	234.4844	235.1402	0.6558
100	234.542	235.2053	0.6633
120	234.5996	235.2704	0.6708
140	234.6572	235.3355	0.6783
160	234.7148	235.4006	0.6858

180	234.7724	235.4657	0.6933
200	234.83	235.5308	0.7008
220	234.8876	235.5959	0.7083
240	234.9452	235.661	0.7158
260	235.0028	235.7261	0.7233
280	235.0604	235.7912	0.7308
300	235.118	235.8563	0.7383
320	235.1756	235.9214	0.7458
340	235.2332	235.9865	0.7533
360	235.2908	236.0516	0.7608
380	235.3484	236.1167	0.7683
400	235.406	236.1818	0.7758
420	235.4636	236.2469	0.7833
440	235.5212	236.312	0.7908
460	235.5788	236.3771	0.7983
480	235.6364	236.4422	0.8058
500	235.694	236.5073	0.8133
520	235.7516	236.5724	0.8208
540	235.8092	236.6375	0.8283
560	235.8668	236.7026	0.8358
580	235.898	236.768	0.87
	Average Deposited		0.7365
	Average Erosion		NA

Gmail

Divyam Nandrajog <divyamnandrajogadv@gmail.com>

Navjot Singh Sidhu v. State of Punjab OA 52 of 2024 - Service of respondent no. 5 affidavit

Divyam Nandrajog <divyamnandrajogadv@gmail.com> Thu, Apr 17, 2025 at 12:33 PM
To: Abhimanyu Walia <abhimanyuwalia@gmail.com>, "Mahesh Puri (Applicant in Navjot Singh Sidhu)" <maheshpuri88@gmail.com>

Dear Sir/Madam,

Please find attached the affidavit being filed by respondent no. 5 in Navjot Singh Sidhu v. State of Punjab OA 52 of 2024 pending before the Hon'ble NGT.

You are requested to consider this email as service of the same.

Thanking you.

Yours sincerely,
Divyam Nandrajog
Asst. AG, Punjab

Email: divyamnandrajogadv@gmail.com
Mobile: +91 9711350679
Office: 103/1, Hans Bhawan, 1 Bahadur Shah Zafar Marg, New Delhi – 110002
Chamber: 224, Lawyer's Block – 1, Delhi High Court, New Delhi – 110003

R-5 Affidavit - April 2025.pdf