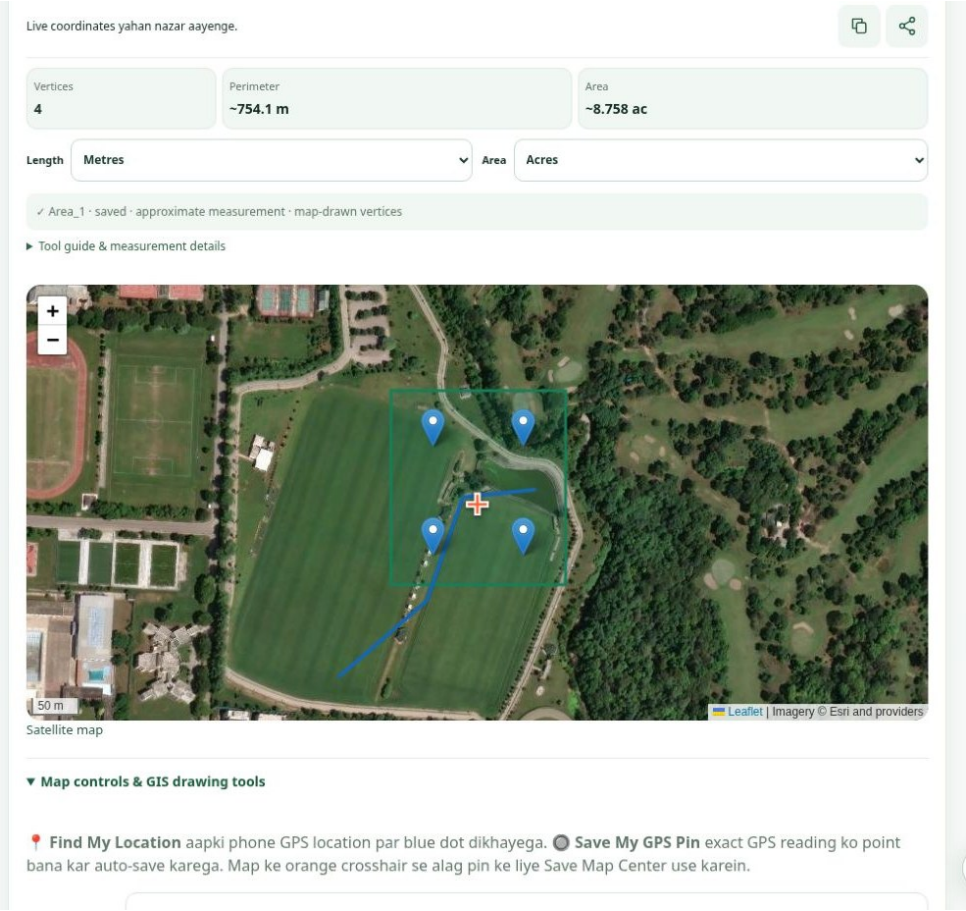
SURVEY WORKSPACE

User Manual / Roman Urdu

Tasks / Notes / GPS / Maps / Backup

Aik complete live-app practice: 4 points, 1 access line aur 1 polygon. Screenshots ke saath step-by-step guide.



Training example: actual app mein draw/save hua hai; ground-measured field survey ya verified property boundary nahi.

App: pulsehatch.pk/survey-workspace/
Manual aur sample files: Open online manual

01 / QUICK START

Pehli dafa app kaise kholein?

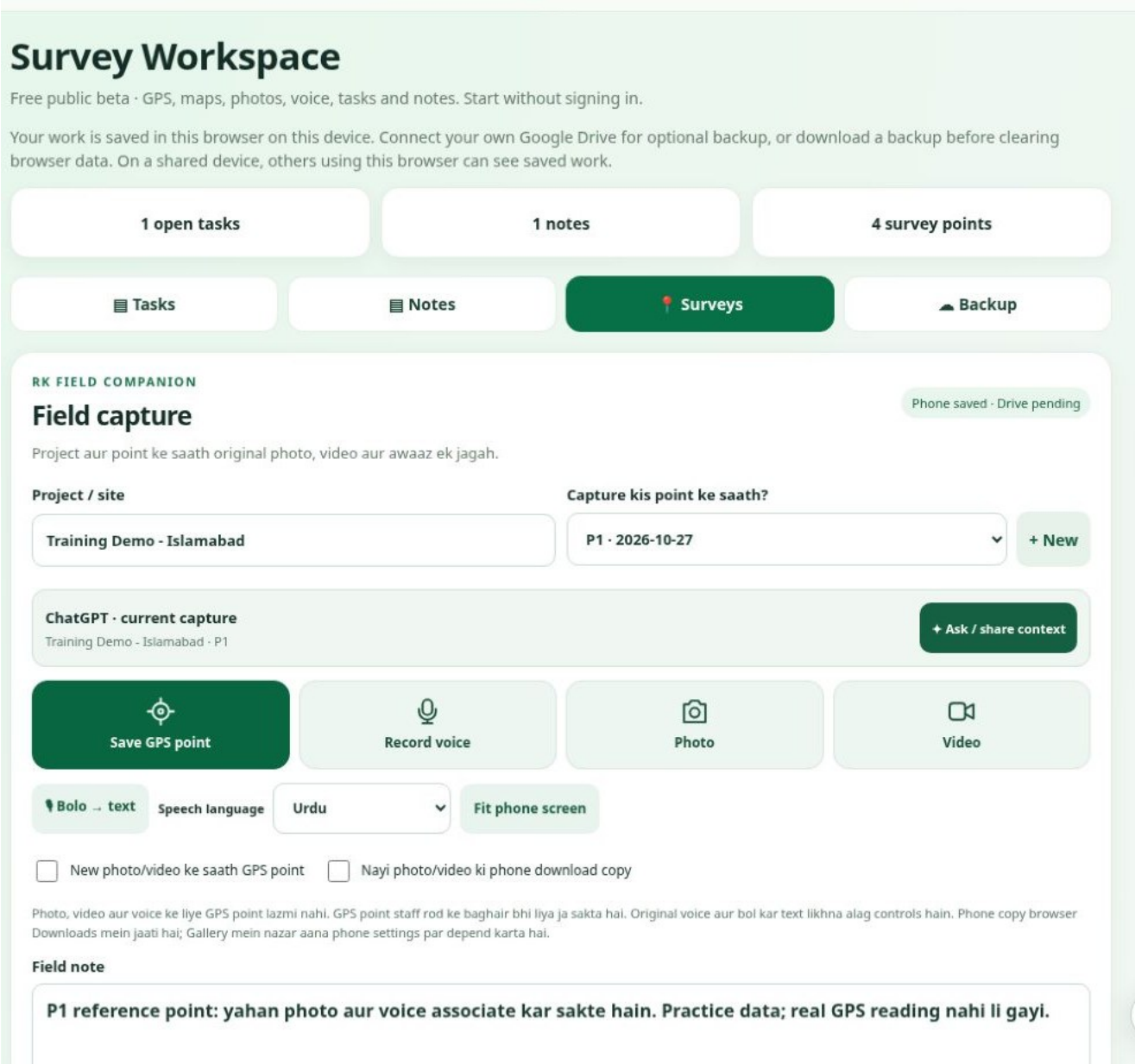
01. pulsehatch.pk/survey-workspace/ ko Chrome mein kholein. Free use shuru karne ke liye website login zaroori nahi.

02. Surveys tab pehle khulta hai. Tasks se to-do, Notes se general notes, Surveys se field kaam aur Backup se export karein.

03. Project / site mein aik wazeh naam dein, misal: Farm A - October Survey. Har project ke liye wahi naam use karein.

04. Camera, mic ya GPS jab use karein tab browser ki relevant permission Allow karein. GPS ke liye phone Location aur precise location on ho.

05. Kaam isi browser aur device par rehta hai. Doosre mobile par lane ke liye full backup restore ya apna Drive backup use karein.



Live app: project aur P1 capture target select kiya hua hai.

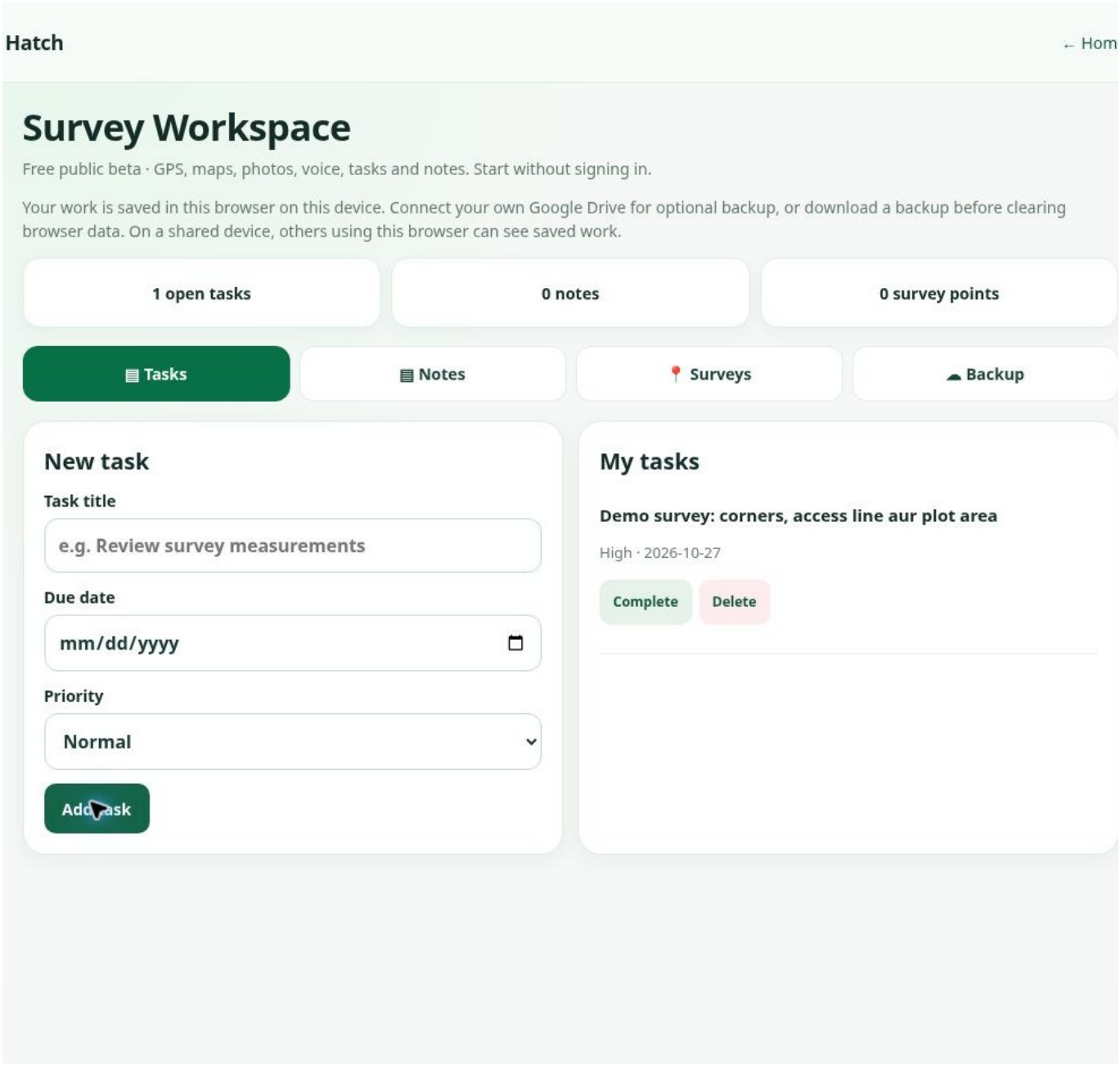
Tasks: survey ki tayyari aur follow-up

01. Tasks kholein > Task title likhein. Misal: corners verify karna, staff arrange karna ya drainage outlet check karna.

02. Due date aur Priority (Normal / High / Low) set karke Add task dabayein.

03. Kaam ho jaye to Complete dabayein. Dobara zaroorat ho to Reopen karein. Open-task counter sirf incomplete tasks ginta hai.

04. Tasks project-bound survey points nahi hain; yeh isi workspace ki general to-do list hai. Delete se pehle zaroori record ka backup lein.



Actual saved task: High priority, due date aur Complete control.

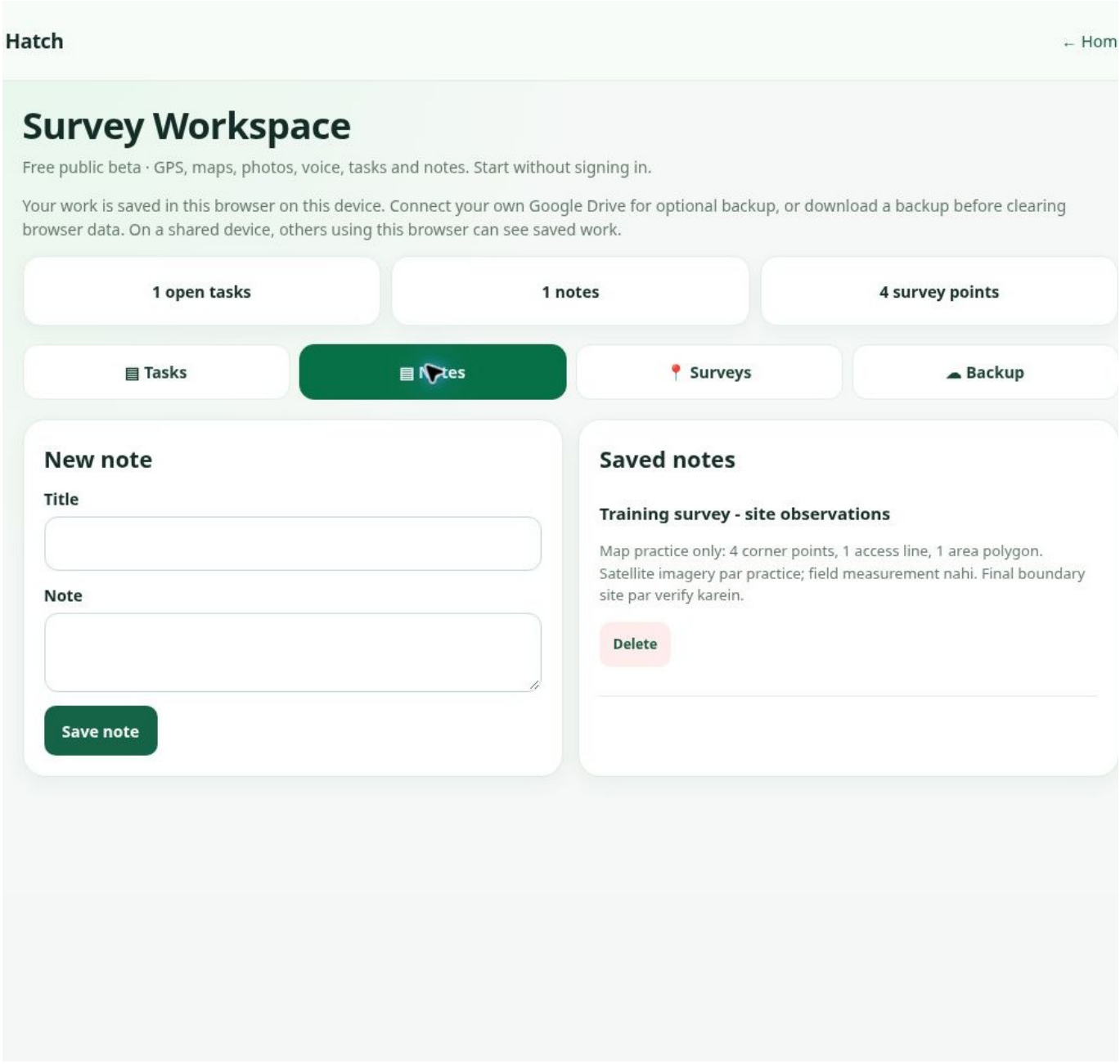
Notes: general site observations

01. Notes > Title aur Note likhein > Save note dabayein. Site observations, client brief ya office instructions yahan rakhein.

02. General Notes aur Surveys ka Field note alag hain. Kisi khas point ke remarks ke liye Surveys mein point select karke Field note save karein.

03. Example note: 4 reference points, aik access line aur aik area polygon; imagery par practice, field measurement nahi.

04. Notes isi browser mein save hotay hain aur workspace/full backup mein shamil hotay hain.



Actual saved general note. Yeh Notes tab ka record hai.

04 / MAP VIEW

Satellite map aur project selection

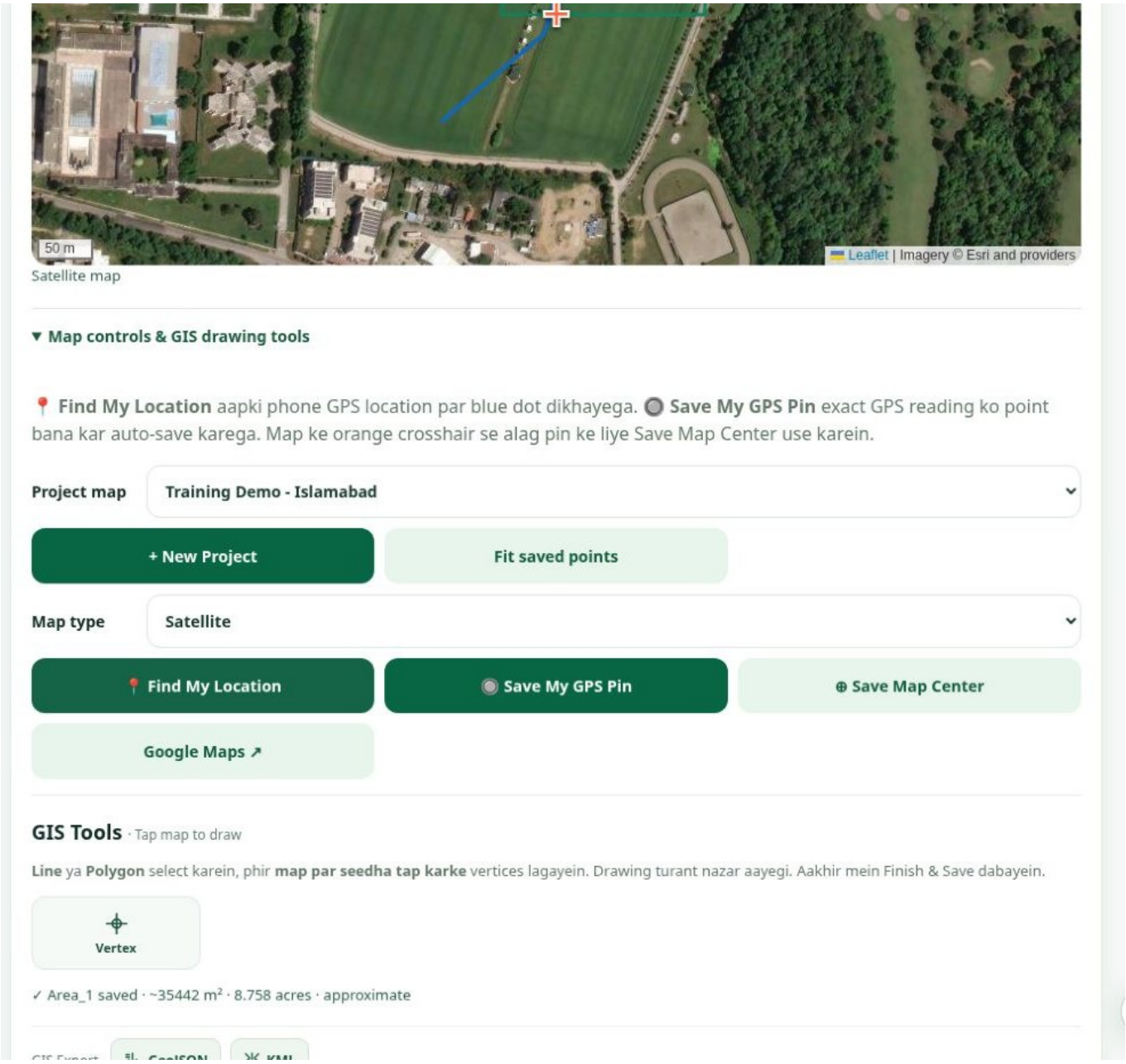
01. Surveys mein neeche Survey Point Map tak aayein. Satellite imagery ab default hai; internet se tiles load honay dein.

02. Map controls & GIS drawing tools expand karein. Map type se Satellite ya Road badal sakte hain.

03. Project map se apna project select karein. + New Project se naya naam banayein; Fit project / Fit saved points se points screen par laayein.

04. Map pan aur + / - zoom se jagah dekhein. Satellite image ki date aur resolution area ke mutabiq farq ho sakti hai.

05. Google Maps button selected location ko bahar kholta hai. App ka drawing map Esri imagery aur Leaflet use karta hai.



Map controls mein project aur Satellite selection. Satellite ab default layer hai.

GPS point aur map point ka farq

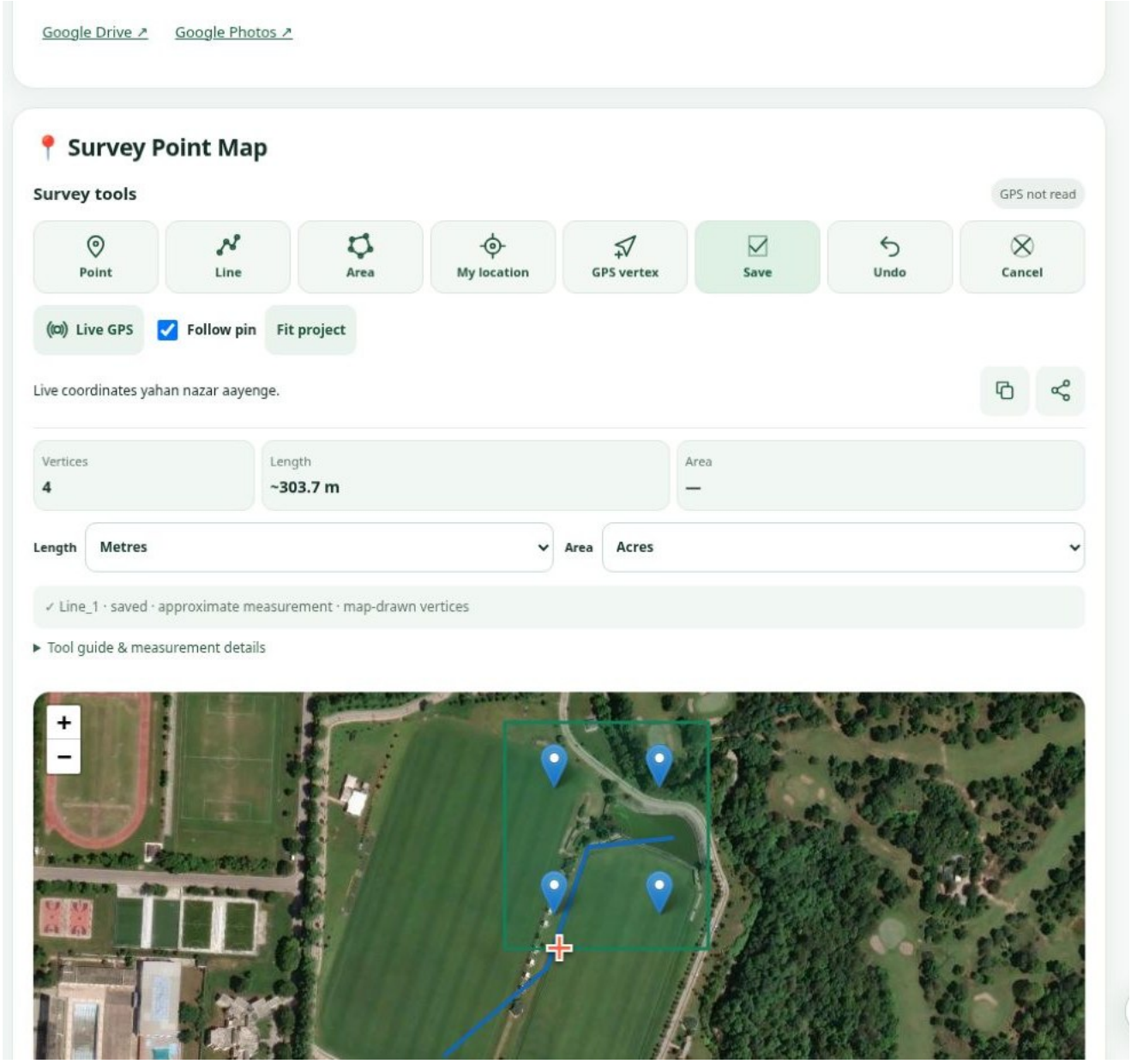
01. Asli field par: project select karein > Save GPS point (ya Save My GPS Pin) dabayein. Fresh phone reading aik survey point banati hai.

02. My location sirf blue location dot aur reported accuracy circle dikhata hai. Live GPS movement follow karta hai; continuous points khud save nahi karta.

03. Map point: Point tool > map par jagah tap > Save. Yeh imagery se liya coordinate hai, phone GPS measurement nahi.

04. GPS vertex: pehle Line ya Area choose karein, phir har physical corner par GPS vertex dabayein. Har vertex ke saath reported accuracy save hoti hai.

05. GPS accuracy ± metres mein hai; yeh accuracy ki guarantee nahi. Phone elevation sirf device provide kare to milegi; imagery contour/level survey nahi banati.



Point, Line, Area, My location, GPS vertex, Save, Undo aur Cancel toolbar.

06 / WORKED EXAMPLE

Complete practice: 4 reference points

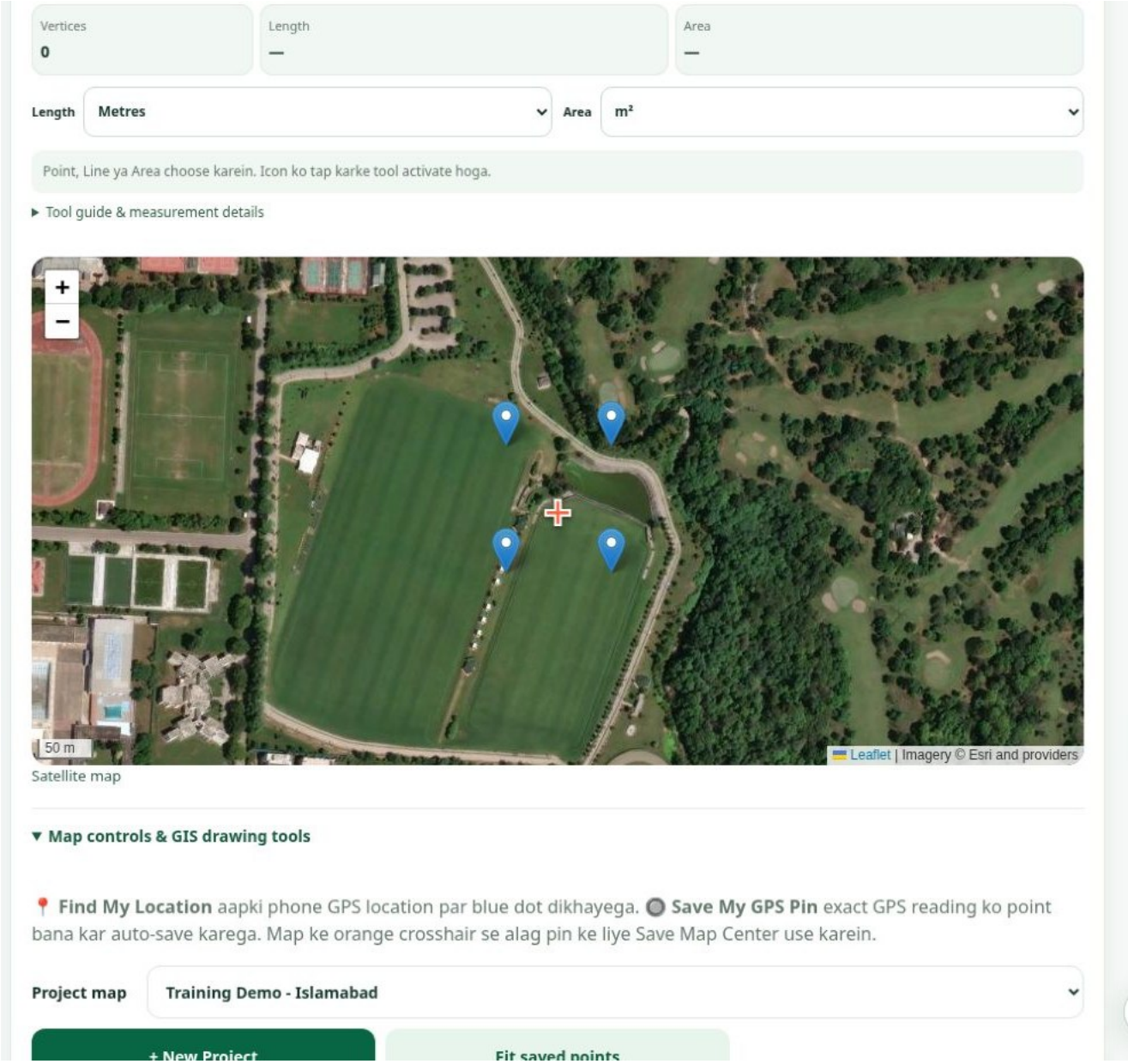
01. Example project: Training Demo - Islamabad. P1 33.7000,73.1000; P2 33.7010,73.1000; P3 33.7010,73.1010; P4 33.7000,73.1010.

02. Yeh entered training coordinates hain. Is booklet ke liye live app mein save kiye gaye; ground par instrument ya phone GPS se measure nahi kiye.

03. Dobara bananay ke liye Field survey entry mein project, Point ID, date, latitude, longitude aur remarks bhar kar Save survey point dabayein.

04. Point form, map points aur GPS save teen alag entry tareeqay hain. Form mein P1 jaisa apna naam de sakte hain; quick-save PT_1 jaisa naam deta hai.

05. Example mein chaar pins reference points hain. Green practice polygon in ke gird banaya gaya hai; isay surveyed ownership boundary na samjhein.



Real live app screenshot: chaar saved blue pins, Esri satellite background.

07 / LINE DRAWING

Line: rasta, pipeline ya drain trace karein

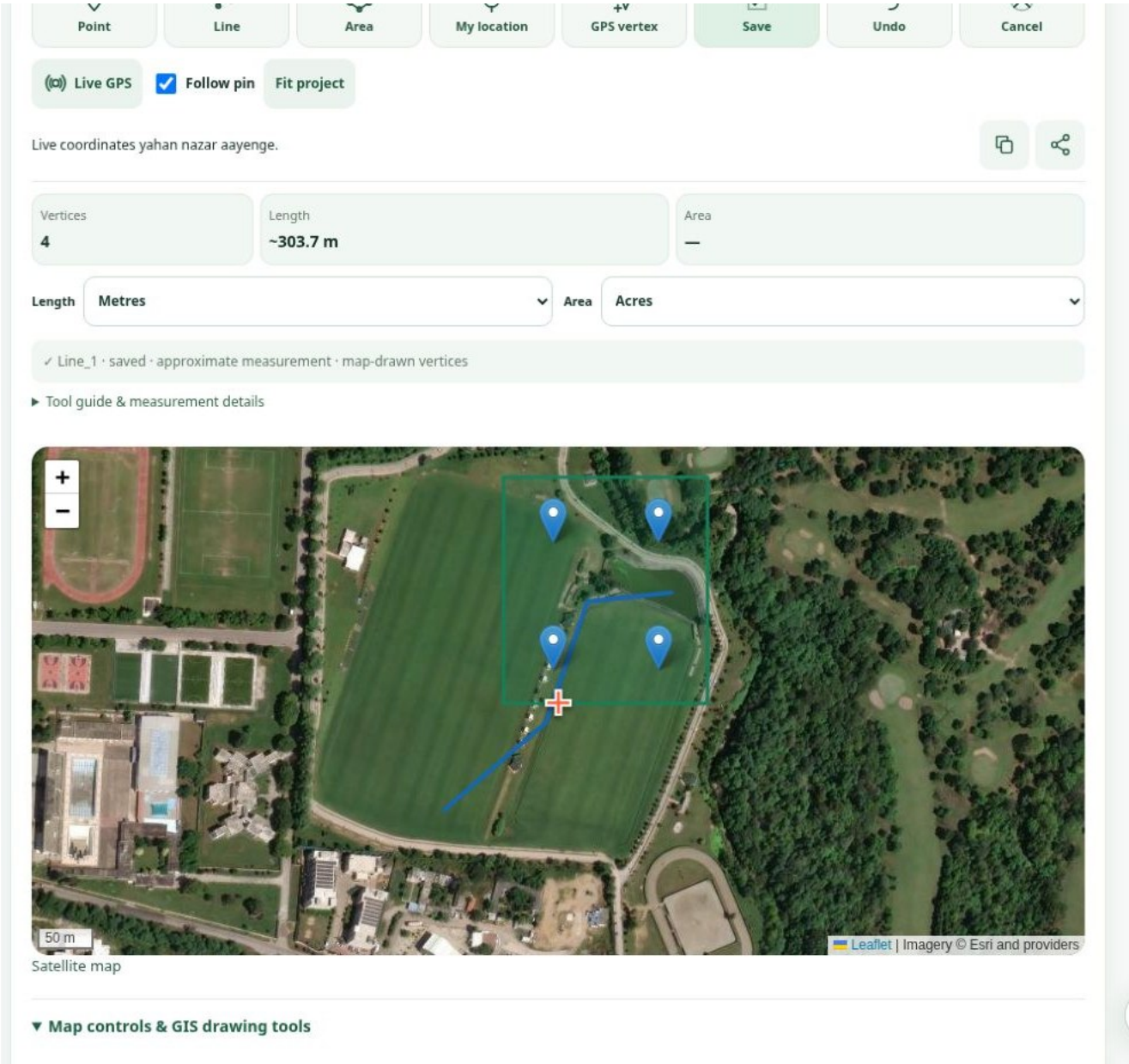
01. Survey toolbar mein Line dabayein. Map par pehla point tap karein, phir bend aur aglay points par tap karte jayein.

02. Kam az kam 2 vertices chahiye. Is example mein 4 map taps se access-route practice line banayi gayi.

03. Ghalat aakhri vertex ke liye Undo; poora unsaved draft chhorne ke liye Cancel. Kaam mukammal ho to Save dabayein.

04. Saved record Line_1 ke naam se milta hai. View se us par zoom karein. Length dropdown se Metres / Feet choose karein.

05. Example ki 303.7 m value map estimate hai. Ground par line chahiye to actual path par GPS vertices ya verified measured coordinates use karein.



Saved Line_1: 4 vertices, approximate length 303.7 m (996.4 ft).

Polygon / Area: boundary aur acreage

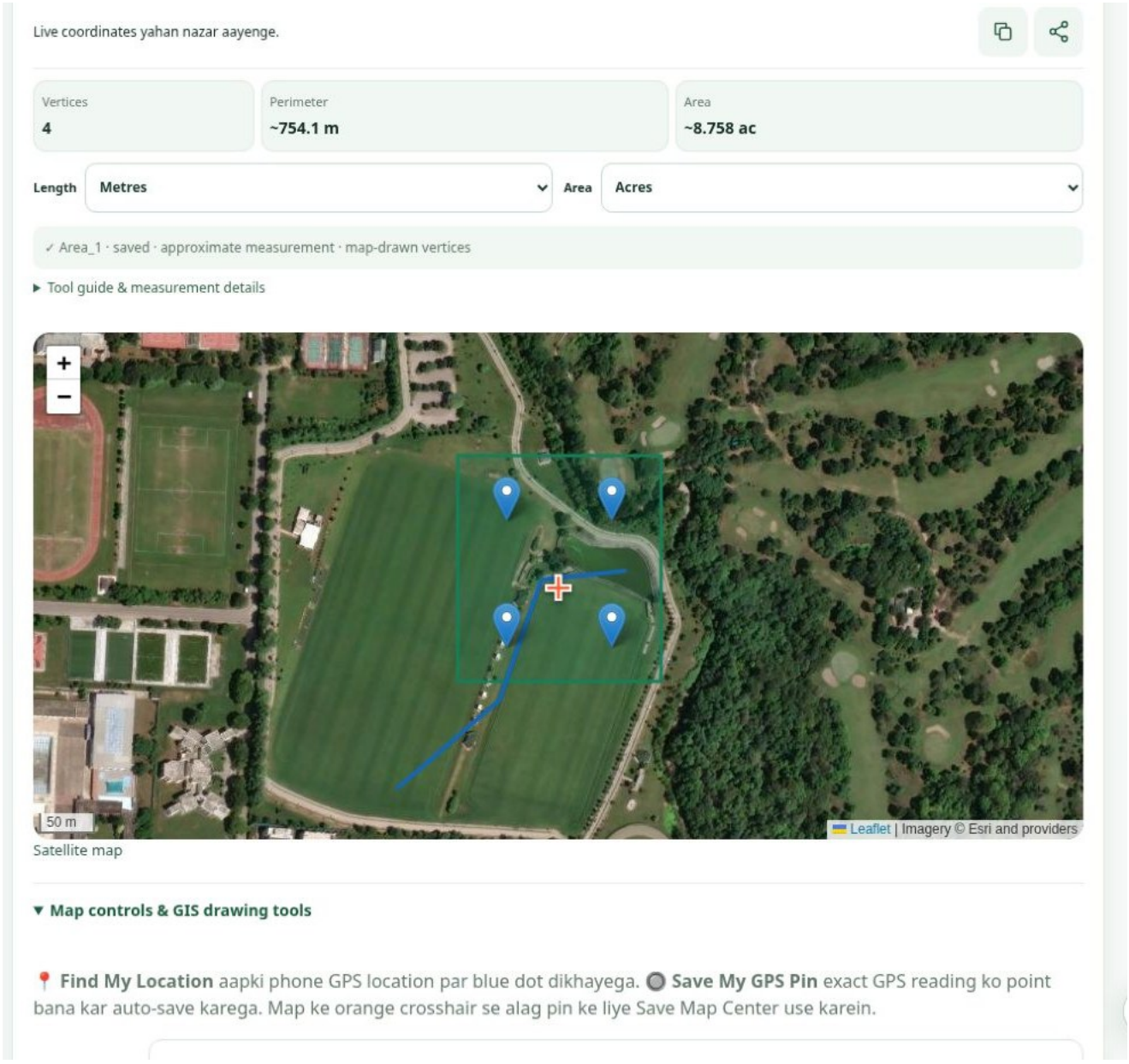
01. Area dabayein > boundary ke corners ko clockwise ya anticlockwise tartib se tap karein. Kam az kam 3 vertices chahiye.

02. Aik line ko doosri line par cross na karayein. Save par polygon close hota hai; pehla point dobara tap karna zaroori nahi.

03. Is practice rectangle ka area ~35,441.7 m² (~8.758 acres) aur perimeter ~754.1 m hai. Aapke taps se thora farq aayega.

04. Area dropdown mein m², Acres ya ft²; Length dropdown mein Metres ya Feet select karein. View saved polygon ki measurement dobara dikhata hai.

05. Yeh 2D map-based estimate hai. Imagery/GPS error aur uneven terrain se farq ho sakta hai; legal boundary ya precision setting-out ke liye verified survey use karein.



Saved Area_1: 4 vertices, perimeter ~754.1 m, area ~8.758 acres.

09 / FIELD CAPTURE

Photo, video, voice aur point remarks

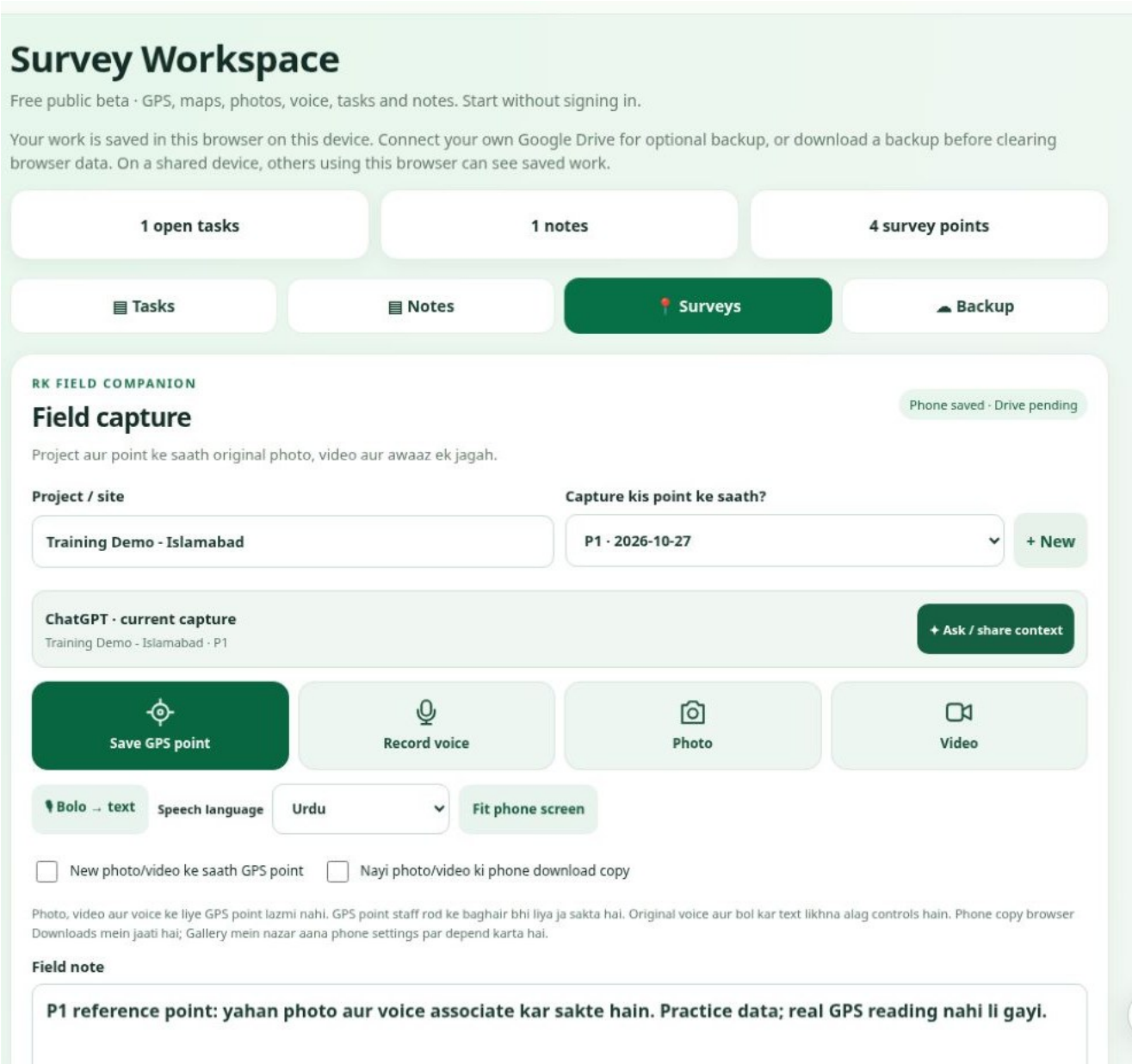
01. Project / site set karein. Capture kis point ke saath? mein P1 jaisa point choose karein, ya Project capture - point optional rehne dein.

02. Photo / Video se capture karein, ya Gallery / Recorder files se existing originals choose karein. GPS point zaroori nahi.

03. Record voice original audio rakhta hai. Bolo > text awaaz ko likhai mein badalta hai; dono alag controls hain. Urdu / English language choose karein.

04. Field note likh kar Save note dabayein. Selected point ho to us ke remarks update hotay hain; no-point capture ka project draft bhi ho sakta hai.

05. Photos, video & voice list mein preview, play aur file export dekhein. Is training run mein real camera/audio record nahi kiye gaye; phone par apni permission aur playback check karein.



P1 selected hai; us point ka Field note actual app mein save kiya gaya.

Google Drive: optional backup

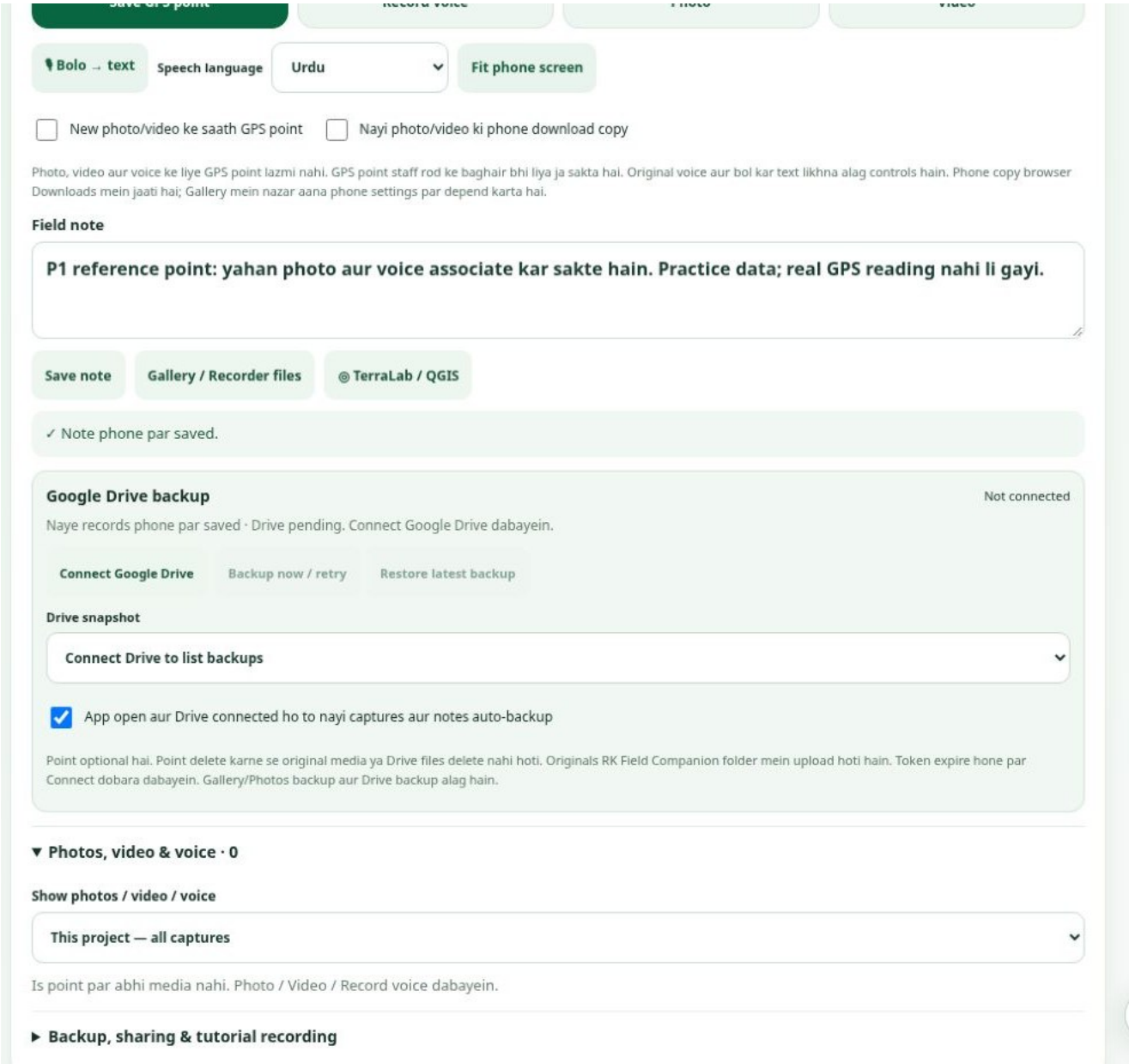
01. Surveys ke Field capture section mein Connect Google Drive dabayein, apna Google account choose karke requested access authorize karein.

02. Connect hone par Backup now / retry karein. Account label, progress aur confirmed uploaded state dekhein; Open backup folder se file verify karein.

03. Auto-backup ke liye page open, internet available aur Drive connection valid hona chahiye. Reload/token expiry par dobara Connect karna par sakta hai.

04. Not connected, Drive pending ya failed ka matlab cloud copy confirm nahi. Local full backup download karke apne Drive par manually bhi rakh sakte hain.

05. Agar Google access/API error aaye to exact error dekhein; tab tak download backup use karein. Google Photos aur Google Drive alag services hain.



Asli screenshot mein Not connected hai. Successful upload ka dawa nahi kiya gaya.

Backup: kaunsi file download karni hai?

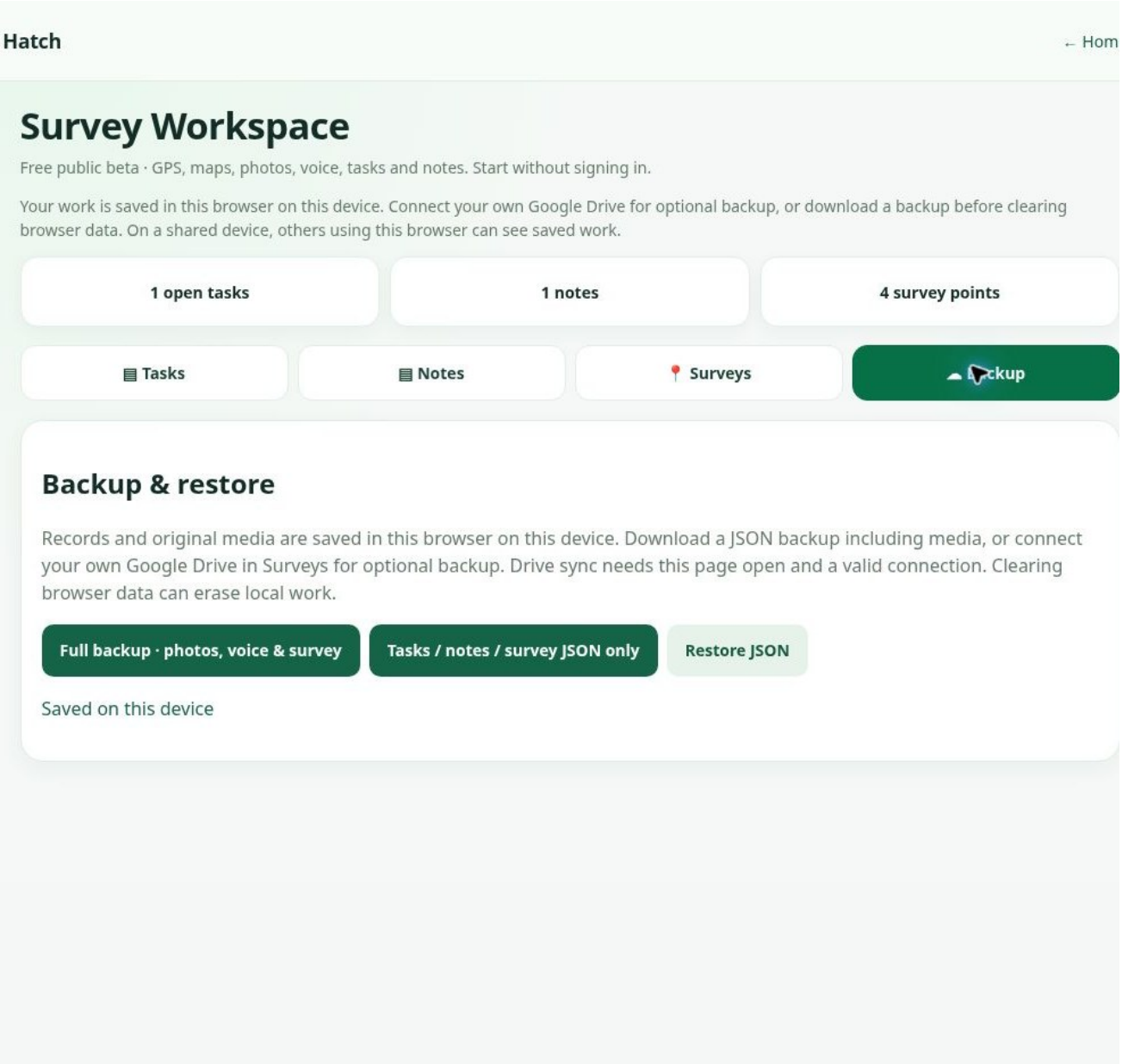
01. Backup tab > Full backup - photos, voice & survey: points, tasks, notes, drawings, drafts aur local media originals ka full field JSON export.

02. Tasks / notes / survey JSON only: sirf workspace records export hotay hain. Is file mein polygon/line drawings aur media originals shamil nahi.

03. Full JSON ke current limits: media budget 128 MB aur restore file 200 MB tak. Bari media ke originals alag export/Drive backup karein.

04. Download ke baad Files / Downloads mein file khol kar naam aur size dekhein. Phone par save hona aur cloud upload hona alag cheezein hain.

05. Survey ke end par full backup phone ke ilawa apni doosri jagah par bhi rakh lein. Browser data clear karne se local work ja sakta hai.



Full backup aur records-only JSON ke buttons alag hain.

Restore: doosray phone par kaam laayein

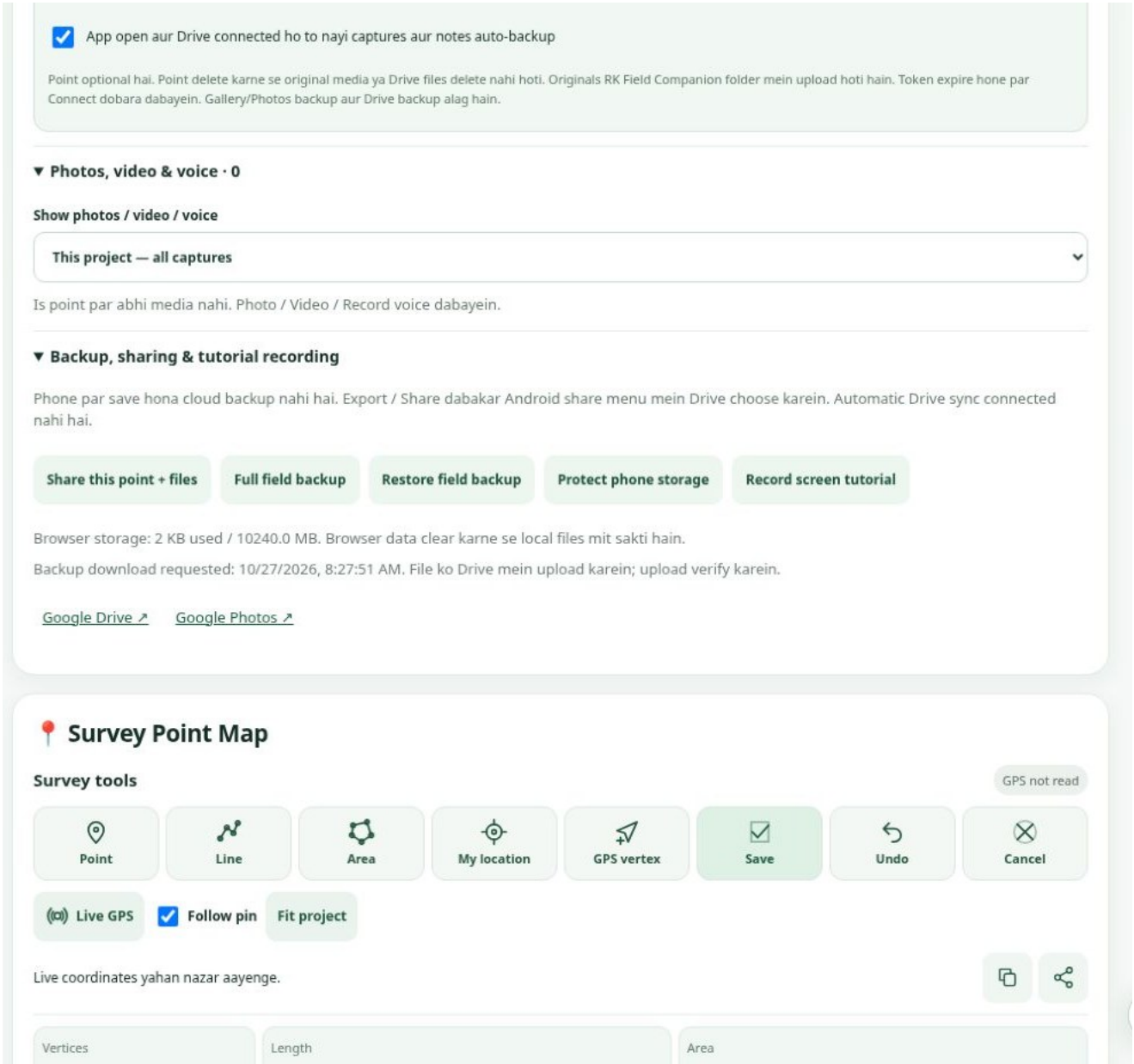
01. Full field JSON ke liye Surveys mein Backup, sharing & tutorial recording expand karein > Restore field backup > file choose karein.

02. Full restore existing IDs ko retain karte huay records/media merge karta hai. Restore ke baad project, points, shapes aur originals verify karein.

03. Backup tab ka Restore JSON sirf records-only workspace JSON ke liye hai; confirmation par current tasks/notes/points replace hotay hain.

04. Drive restore ke liye Connect karein > Drive snapshot choose karein > Restore latest backup. Actual available snapshot aur status check karein.

05. Apna important kaam restore karne se pehle us ka current backup lein. Practice file khud load hoti nahi; user ko file choose karni hoti hai.



Surveys > Backup, sharing & tutorial recording > Restore field backup.

GIS exports aur training files

01. Survey records ke Export CSV / GeoJSON / KML saved POINTS export karte hain. Project filter selection check kar lein.

02. Map controls & GIS drawing tools ke GIS Export > GeoJSON / KML saved LINES aur POLYGONS export karte hain.

03. QGIS mein GeoJSON layer add karein. App files WGS84 latitude/longitude (EPSG:4326) use karti hain; GeoJSON coordinate order longitude, latitude hota hai.

04. Manual page par Training GeoJSON mein is example ke 4 points + 1 line + 1 polygon aik file mein hain. Yeh actual app exports ko combine karke banayi gayi hai.

05. Training full backup mein task, general note, point remarks aur 2 drawings hain. Media count zero hai. Full restore se isi example ko apne browser mein la sakte hain.

06. CSV / KML / GeoJSON GIS handover ke liye hain; media aur tamam workspace data ke liye Full backup bhi saath rakhain.

Field par complete survey ka order

01. 1. TAYYARI: phone battery, internet, Location, camera/mic permissions; Tasks mein checklist aur project ka naam tayyar karein.

02. 2. SITE: Satellite map kholein > project choose karein > My location > reported GPS accuracy dekhein. Har reference/corner par Save GPS point karein.

03. 3. SHAPES: Line/Area choose karein. Map taps se planning trace ya actual site par GPS vertices use karein. Har shape Save karein.

04. 4. EVIDENCE: point choose karein > photo/voice/video aur Field note. Site-wide capture ke liye point optional rakhein.

05. 5. REVIEW: Fit project se POINTS dekhein; saved line/area ki View se har shape aur measurement check karein. Point IDs, remarks aur project filter verify karein.

06. 6. HANDOVER: points export + shapes export + Full backup. Apne Drive mein uploaded originals/status verify karein; sirf pending text par bharosa na karein.

07. 7. END: Live GPS Stop karein; recording active ho to band karein. App dobara khol kar saved records check karein.

Aam maslay aur seedha hal

01. Satellite blank: internet check karein, kuch der tiles load honay dein; zoom-out ya Road option try karein. Offline cold-start guaranteed nahi.

02. GPS nahi mil raha: HTTPS Chrome use karein, Android/browser Location + precise permission on karein, khuli jagah par fresh reading lein.

03. Map par pin hai magar save nahi: Point preview ke baad Save dabayein. Live GPS ka blue dot apne aap permanent survey record nahi.

04. Area nahi ban raha: Area active karein, kam az kam 3 alag corners dein, phir Save. Undo / Cancel sirf current draft ko affect karte hain.

05. Photo/video ya mic busy: doosri camera/recorder app band karein, permission check karein. Gallery / Recorder files se original attach karna alternative hai.

06. Data doosray browser mein nahi: local work browser/device-specific hai. Full field backup restore karein; Drive connect aur snapshot check karein.

07. Assistant button: context share/open shortcut hai. Yeh app ke andar embedded live ChatGPT session ya automatic AI survey verification nahi.

08. Verification: booklet ke points, notes, line, polygon aur exports live app se banaye gaye. Physical GPS survey, real camera recording aur Google authorization is demo mein nahi kiye gaye.