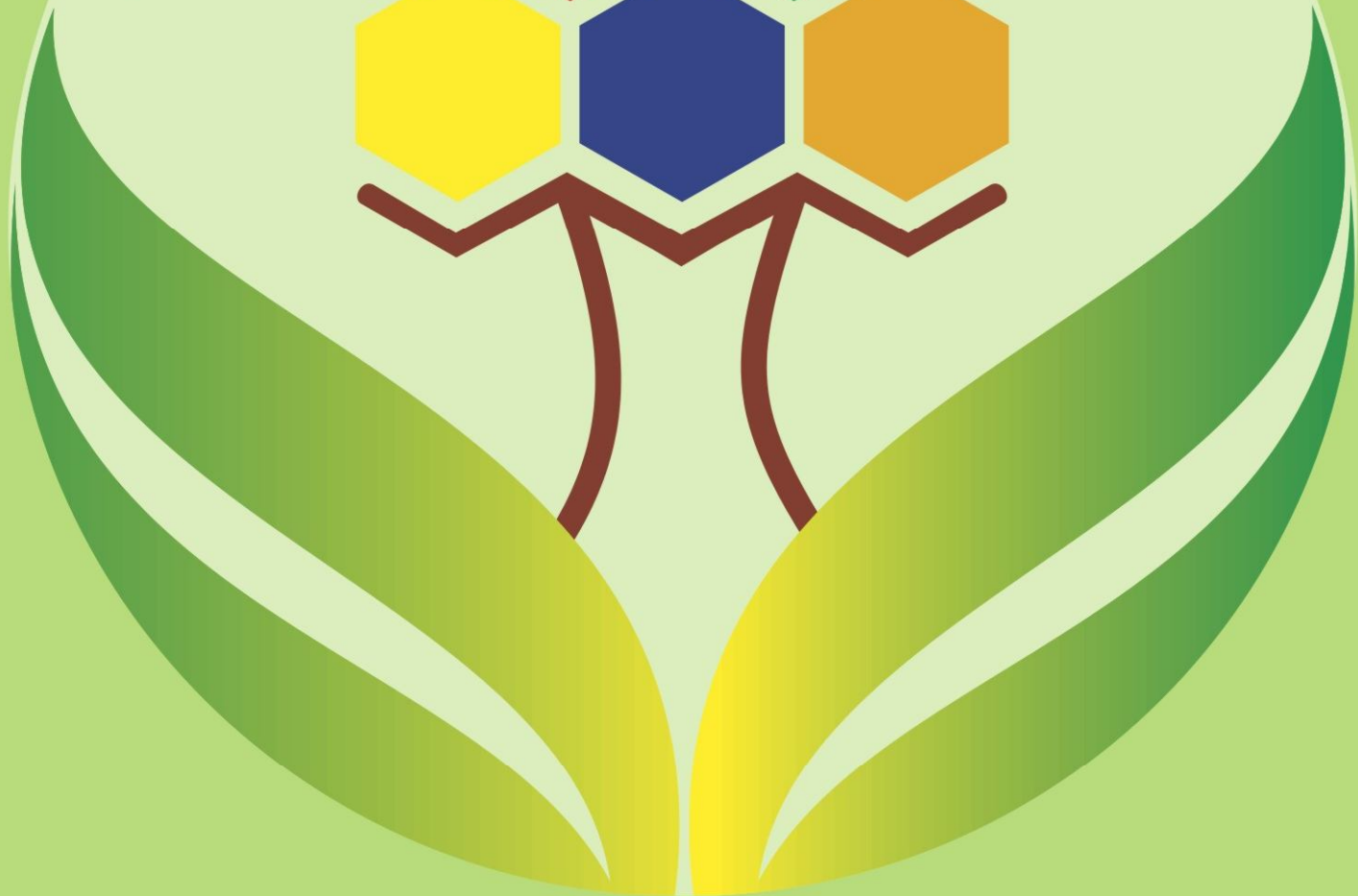




राजस्थान वानिकी एवं जैव विविधता परियोजना (फेज-2)

**जी.पी.एस. आधारित सर्वेक्षण, सीमांकन
एवं मानचित्रण के लिए दिशा निर्देश**

greening lands... greening lives...



ikDdFku

jktLFkku okfudh ,o to fofokrk ifj;ktuk Qt&2 tkiku ljdkj (JICA) d lg;kx
l jktLFkku d 15 ftyk rFkk 7 ljjfkr {k=k ¼vH;kj.;k½ dh lhek d nk fdeh- ifjf/k
{k= e pykb tk jgh gA 8 o"kh; ;g ifj;ktuk 2011&12 e ikjEHk dh xb FkhA
ifj;ktuk d vrxr o{kkjki.k] enk ,o ty ljj{k.k] to fofokrk ljj{k.k]
ikfjLFkfrdh i;Vu fodkl ,o vkftfodkl lo)u xfrfok/k;k l lcf/kr dk; pu x;
650 xkok e dj; tk jg gA

;g ,d ifØ;k mUe[k ifj;ktuk gA ifj;ktuk d y{;k dh ikflr d fy, ;g t:jh
g fd fØ;kUo;u e ,d:irk lfuf'pr dh tk; rFkk dk; fu'iknu ,o fo'y"k.k d
fy, leku ifØ;k gkA

xkE; ou ljj{kk ,o ic/ku lfefr@ikfjLFkfrdh fodkl lfefr }kjk ljjfkr ,o
icf/kr ou {k= d fy, l{e fu;ktu cukr le; ml {k= dk th-ih-,l i.kkyh dh
lg;rk l fd;k x;k lo{k.k ,o lhekdu vR;r egROI.k lkfr gkrk gA

th-ih-,l- vk/kkfjr lo{k.k] lhekdu ,o ekufp=.k d fy, fn'kkfun'k r;kj dju dk
e[; mnn'; bl xfrfok/ d fy, ljj ,o leku ifØ;k fu/kkfjr djuk gj ftll
lHkh ou {k=k dk lo{k.k ,o lhekdu leku i.kkyh }kjk fd;k tk l dA

vk'kk g fd ;g fn'kkfun'k u doy bl ifj;ktuk d fØ;kUo;u e th-vkb-,l-
i.kkyh d mi;kx e ennxkj lkfr gkx vfir ou foHkkx dh vU; ;ktukvk d fy,
Hkh mi;kxh vkdM miyC/k djku e lg;d gkxA

'kHkdkeukvk lfgrA

,d- mik;k;
ifj;ktuk fun'kd

;g fn'kkfun'k th-ih-,l- vk/kkfjr lo{k.k ,o lhekdu ifØ;k d fofHkUu pj.kk l lcf/kr gA
budk e[; mnn'; mPp Lrjh; vofLFkr lpuk dk lxxg.k djuk g tk ifj;ktuk dk;k d
ick/ku ,o eY;kdu d fy, vfr egRoi.k gA

vuØef.kdk

i"BHkfe	1
mnn';	1
e[; pj.k	1
v- io vk;ktuk %fk= lo{k.k l io%	1
c- th-ih-, l- vk/kkfjr {k= lo{k.k	2
l- ifjf/k lo{k.k dh dk; i.kkyh	3
n- th-ih-, l- lo{k.k iFk fcUnvk dk lfgrkdj.k	4
/k- {k= lo{k.k i'pkr %MkVk MkmuykfMx ,o i"k.k%	5
D;k dj o D;k u dj	5
vuPNnd & 1% MkVk fjdKM 'khV dk ik: i	7
vuPNnd & 2% eTrex 10, 20 or 30 d ifjpkyu d e[; igy	8
vuPNnd & 3% MAP SOURCE software }kjk MkVk VklQj	12
vuPNnd & 4% .txt ,o .xls e MkVk export dju dh fof/k	13
vuPNnd & 5% BASE CAMP software dh lg;rk l th-ih-, l- MkVk VklQj	14

'kCnkoyh

BP (Block Plantation)	:	Cykd lykUV'ku
Codification	:	l fgrkdj.k
Compass	:	dEikl ¼drcuek½
Coordinates	:	fun'kkd
CSP (Canal Side Plantation)	:	ugj fdukj o{kkjki.k
Demarcation	:	l hekdu
DLT (Drainage Line Treatment)	:	t y fudkl ifDr mipkj
DMU (Divisional Management Unit)	:	e-i-b- ¼e.My ic/ku bdkb½
EDC (Eco Development Committee)	:	i k-fo- l- ¼i kfjLFkfrdh fodkl l fefr½
FMU (Field Management Unit)	:	{k-i-b- ¼{k=h; ic/ku bdkb½
GPS (Global Positioning System)	:	t h-i-h, l- ¼of'od fLFkfr fu/kkj.k i.kkyh½
Latitude	:	v{k'k
Longitude	:	n'kkUrj
Mapping	:	ekufp=.k
Micro Plan	:	l {e fu;k t u
Reference Point	:	l nHk fcUn@LFky
SHG (Self Help Group)	:	Lo; l gk; rk l eg
Structure Point	:	l jpuk fcUn
Survey	:	l o{k.k
Treatment Area	:	mipkj [k.M
VFPMC (Village Forest Protection & Management Committee)	:	xkE; ou l j{k ,o ic/ku l fefr ¼o-l-i-l-½
Way Points	:	iFk fcUn

jk-ok-t-fo-i-&2 d vUrxr t-h-ih-, l- vk/kkfjr lo{k.k} lhekdu ,o ekufp=.k gr fn'kk fun'k

i"BHkfe

jk tLFkku okfudh ,o to fofo/krk ifj;ktuk Qt&2 d vUrxr leLr fodkl dk; xkE; ou l{jkk ,o ic/ku lfefr d ek;/e l lEikfnr djok; tk jg gA bud }kjk l{jfkr ,o icf/kr ou {k=} ipk;r@lkenkf;d {k= rFkk o{kkjki.k d fy; iLrkfor {k= dh lEi.k t-h-ih-, l- vk/kkfjr tkudkjh ick/ku ,o eY;kdu dh nfV l vfr egRoi.k gA t-h-ih-, l- vk/kkfjr vofLFkr (Position) lpuk ¼v{kk'k ,o n'kkUrj½ ifj;ktuk xke dk fpUgr dju rFkk miyC/k lo{k.k lpuk t l ekufp=] mixg Nfo vkfn d lFk ick/ku] fu;U=.k ,o eY;kdu e egRoi.k Hkfedk fuHkkrh gA

mnn';

bl ifj;ktuk d vrxr GIS ¼Geographical Information System/ Hkxkfyd lpuk i.kkYh½ vk/kkfjr ick/ku ,o eY;kdu i.kkYh LFkkr djok gA bld fy, t;ij ,o tk/kij e i;kx'kkYk@dUn LFkkr dju dk iko/kku gA ifj;ktuk lcf/kr MVkl dk fuek.k t-h-ih-, l- vk/kkfjr lo{k.k MkV½ mixg ekufp= o vU; lcf/kr vkdMk l fd;k tkuk iLrkfor gA

bu fn'kk fun'kk dk e[; mnn'; t-h-ih-, l- vk/kkfjr lo{k.k dh ,d leku ifØ;k fu/kkfjr djok g] tk l{; fu;ktu d nkjku l{jfkr ou {k= d lhekdu ,o oLrLFkr fu/kkj.k e lgk;rk dJA ;g ifØ;k lkenkf;d@ipk;r Hkfe d lhekdu rFkk ifj;ktuk d vUrxr iLrkfor mipkj {k= ,o o{kkjki.k ekMy l lcf/kr tkudkjh ,df=r dju e Hkh mi;kxh fl) gkxhA lFk gh ifj;ktuk d vrxr fufer lifUk;k dk t-h-ih-, l- fun'kkd }kjk vifkr vfHky[k Hkh bl ifØ;k d }kjk lEHko gkxhA

e[; pj.k

ifjf/k lo{k.k ifØ;k d nkjku fuEufyf[kr pj.kk dk ikyu fd;k tkuk pkfg,½

v- io vk;ktuk ¼{k= lo{k.k l io½

- 1- iR;d fnol d fy, lo{k.k dk dk;Øe r;kj djok ftle mu lHkh xkE; o-l-i-l- dh lph r;kj dh tkuh pkfg, ftle lo{k.k dk; djok gA
- 2- t-h-ih-, l- midj.k miyC/k djok lcf/kr {k-i-b (FMU) dh ftEenkjh gkxh(vxj midj.k {k-i-b- d ikl miyC/k ugh g rk e-i-b- (DMU) l mldh 0;oLFkk dh tk ldrh g(
- 3- t-h-ih-, l- cVjht i.k :i l pkTM (Charged) gkuh pkfg, rFkk vfrfjDr cVjh Hkh lFk e gkuh pkfg,(
- 4- ektnk ekufp= (GT Sheet) ij xkE; o-l-i-l- dk {k= j[kkfdr gkuk pkfg, rFkk fn'kk fu/kkj.k d fy, dEikl dk bLreky fd;k tkuk pkfg,(
- 5- vkdMk dk nt dju gr fu/kkfjr ii= lFk e gkuk pkfg, ¼vuPNnd&1½ rFkk dN vfrfjDr ii= Hkh lFk e ge'kk gku pkfg,A bld vykok [kkYh ifLrdk] iu] ifUly o ukiu d fy, Qhrk Hkh lFk e gkuk pkfg,A

c- th-ih-, l- vk/kfjr {k= lo{k.k %MkVk l xg.k%

1- j t vkfQl j@QkjLVj@ou j{k d@xkE; o-l-i-l- lnL;@Lo; loh lLFkk ifrfuf/k {k= e igpdj lcl igy Lo; dh fLFkr dk fu/kkj.k dj ,o ekufp= (GT Sheet) e ml LFku dk fpUgr dJA

2- {k= e 3 idkj dk lhekdu fd;k tkuk g%

v- xkE; o-l-i-l- }kjk l jf{kr ,o icf/kr ou {k= dh ifjf/k dk lo{k.k

c- fofHku o{kjki.k ekMy d vrxr mipkj {k=k dh ifjf/k dk lo{k.k

xj e:LFkyh; {k=

¼1½ vkj-Mh-,Q- I (Rehabilitation of Degraded Forest -I)

¼2½ vkj-Mh-,Q- II (Rehabilitation of Degraded Forest -II)

¼3½ ikdfrd iu%mrIknu e lg;rk (Assisted Natural Regeneration)

¼4½ mRikndrk lo)u dk; (Productivity Enhancement Operations)

¼5½ b/ku o{kjki.k (Fuelwood Plantation)

e:LFkyh; {k=

¼6½ ugj fdukj o{kjki.k (Canal Side Plantation)

¼7½ fVCck fLFkjhdj.k ,o pkjxkg fodkl (Sand Dune Stabilization cum Pasture Development)

¼8½ pkjxkg fodkl o{kjki.k (Silvipastoral Plantation)

¼9½ Cykd lykV'ku (Block Plantation)

l- ipk;r@l kenkf;d Hkfe dh ifjf/k dk lo{k.k

3- vfrfjDr egroi.k LFky fcUn (Additional point location of important features) %

v- xke vofLFkr fcUn %?kjk dk leg% [Village Location points (cluster of houses/hamlets)]

c- xko e fLFkr Ldy] dvk ;k vU; LFkkuh; lnHk LFkyA

l- xkE; o-l-i-l- Hkou

n- enk ,o ty l j{k.k ljpuk&,uhdV] pd MEI] dUVj cM] ijdy'ku Vd vkfna

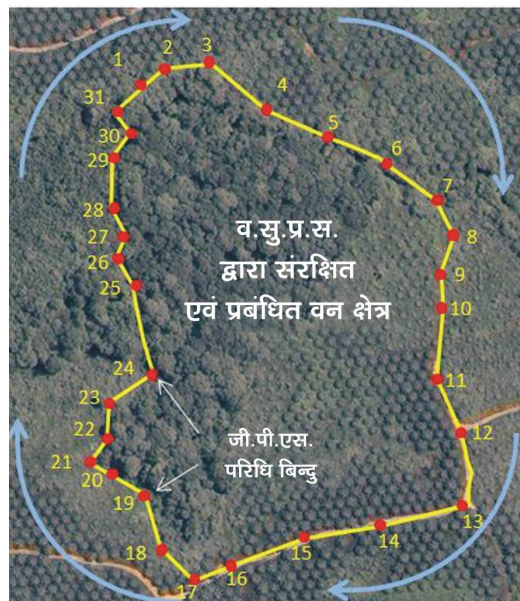
; - ty fudkl ifDr mipkj ,o ty fcUnvk dk fodkl (DLT & development of water points)A

j- ifj;ktuk d vUrxr fd; tku oky vU; dk;A

1. ifjf/k lo{k.k dh dk; i.kkyl

t-h-i-h-, l- midj.k }kjk ifjf/k lo{k.k dh dk; fof/k dh foLrr 0; k[; k fuEu g

- 1- lo{k.k {k= e igpu d ckn Vhe lcl igy viuk t-h-i-h-, l- midj.k vku djxhA
IV&vi ¼Set-Up½ e tkdj Projection Type = Geographic (Latitude/Longitude) , 0
Datum = WGS84 ij IV djxhA Units = DMS ¼Degree Minutes Seconds½ ij IV djxhA
- 2- eu eU; (Menu) e tkdj IVykbV Vfdx ij fDyd dj rFkk GPS midj.k dk de l
de 5 mixgk l lid LFkkfir gku dk brtkj dJA
- 3- tc midj.k dk 5 ; k 5 l T; knk mixgk l lid LFkkfir gk tk, rc lcl igy lnhk
fcUn d fy, dkb LFku fpfUgr dj(¼t-h-i-h-, l Garmin Etrex – 10-20-30 dk mi; kx dju
dh ifØ; k vuPNnd&2 e nh xb gA½
- 4- loiFke lo Vhe vkofVr ou {k= dh ifjf/k ij ikjfhkd GPS fcUn y rFkk mfpr ukekdu
dj ,o mld fun'kkd fu/kkfjr lo ii= e ukV dj ¼bl ii= e ml fcUn dh LFkkuh;
tkudkj vo'; fy[kkA vc blh fcUn l nf{k.kkor (Clockwise) fn'kk e pyr g, ifjf/k
ij nljk fcUn y ,o Øekul kj vU; fcUn yA dkb Hkh nk utndh fcUn nf"V dh lh/k e
gku pkfg,A
- 5- nt fd; x; fun'kkd ¼fcUn½ ifjf/k dh ikdfrd oØrk (natural curves) d vul kj gku
pkfg,A



fp=&1 nf{k.kkor fn'kk ¼Clock-wise½ ifjf/k lo{k.k

- 6- t-h-i-h-, l- ifjf/k fun'kkd nt djr le; Vhe }kjk gj fcUn dk Øekul kj nt djuk
pkfg, rFkk Hkfo"; e lnhk d fglk l gj fcUn dk fdlh ,d LFkkuh; LFky l lc)
djuk pkfg,A t gk dgh ij LFkkuh; LFky miyC/k uk gk ogk ,d yky jx dk [kEck
xkMdj ml ij lQn jx l fcUn Øe fy[k nuk pkfg,A

ukV% o{kjk i.k ekMy d vul kj iLrkfor mipkj {k= rFkk ipk;r@lkenkf;d Hkfe dh ifjf/k
lo{k.k d fy, Hkh mijkDr 4 l 6 fcUnvk dk ikyu vifkr gA

n- th-ih-, l- lo{k.k d iFk fcnvk dk lfgrkdj.k (Codification)

th-ih-, l- fcnvk dk fjdkM dju vkj mudk dkM inku dju d fy, fuEu fu;e i.kkyh bLreky dh tkuh pkfg, (

- 1- **ou lhek** ifjf/k lo{k.k tk xkE; o-l-i-l- }kjk ljf{kr o icfU/kr {k= dk C;kjk n mld fy,

FB01_001 (tgk FB01 = QjLV Cykd] [k.M 1,001 = fcUn I [;k 1½

- 2- **mipkj {k=** ifjf/k lo{k.k tk fofHkUu o{kkjki.k ekMyk d vUrxr o-l-i-l- }kjk fd; x; o{kkjki.k dk n'kkrh g %fdlh Hkh {k= e ,d l T;knk mipkj [k.M gk ldr g blfy; TA01 ,d [k.M dk rFkk TA02 nlj [k.M dk n'kk;xk½

TA01_001 (tgk TA01=mipkj {k= [k.M 1(001=th-ih-, l- fcUn I [;k 1½

- 3- **ipk;r {k=** ifjf/k lo{k.k tk o-l-i-l- d xke {k= e fLFkr ipk;r vFkok lkenkf;d Hkfe fpfUgr djrk g %ipk;r {k= ,d l vf/kd Hkh gk ldr g] vr% PA01 ipk;r {k= [k.M 1 o PA02 ipk;r {k= [k.M 2 dk fpfUgr djx½

PA01_001 (tgk PA01 = ipk;r {k= [k.M 01(001 = th-ih-, l- fcUn I [;k 1½

- 4- **IEifUk fcUn &** ifj;ktuk d vUrxr fufer IEifUk;k dk fjdkM Hkh th-ih-, l- fcUn }kjk fpfUgr fd;k tkuk vif{kr g %fdlh Hkh {k= e ,d gh idkj dh ,d l T;knk IEifUk;k dk fuek.k gk ldrk g vr% AP01 iFke idkj dh IEifUk rFkk AP02 f}rh; idkj dh IEifUk fpfUgr djx½

AP01_001 (tgk AP01 = IEifUk idkj 01(001 = th-ih-, l- fcUn I [;k 1½

/k- {k= lo{k.k i'pkr %MkVk MkmuykfMx ,o i" k.k%

- 1- lo{k.k dk; ijk gku d ckn th-ih-, l- midj.k l MkVk dEl;Vj e LFkkukUrfjr dj %Garmin d MAP SOURCE SOFTWARE }kjk% rFkk Qkby dk .mpx Qkjev e lo dja vxj MAP SOURCE miyC/k uk gk rk Garmin d BASE CAMP Software dk mi;kx dja %vuPNnd&5%
2. MAP SOURCE SOFTWARE }kjk MkVk Qkby dk .txt Qkjev e lo dj rFkk .txt file l lpuk MS-Excel Sheet e dkih dj %vuPNnd 4%A vki kuh l le> e vku d fy, l Hkh Qkbyk dk ukedj.k fuEu idkj l dj %
 - VFPMC NAME-FMU NAME (tgk VFPMC= xkE; o-l-i-l- rFkk FMU={k=h; ic/ku bdkb dk n'kk;x%
3. lo{k.k ii= l GPS fcUn dh lcf/kr tkudkj dh Excel Sheet e vo'; nt dja
- 4- th-ih-, l- MkVk Qkby l % .txt, .xls & .gpx% dk lh-Mh- }kjk ifj;ktuk fun'kky; e HktA
- 5- ii= ij nt lpuk dk Hkh lcf/kr QkjLVj] {k= ic/ku bdkb ie[k o e.My ic/ku bdkb ie[k l vueknu i'pkr ifj;ktuk fun'kky; e HktA

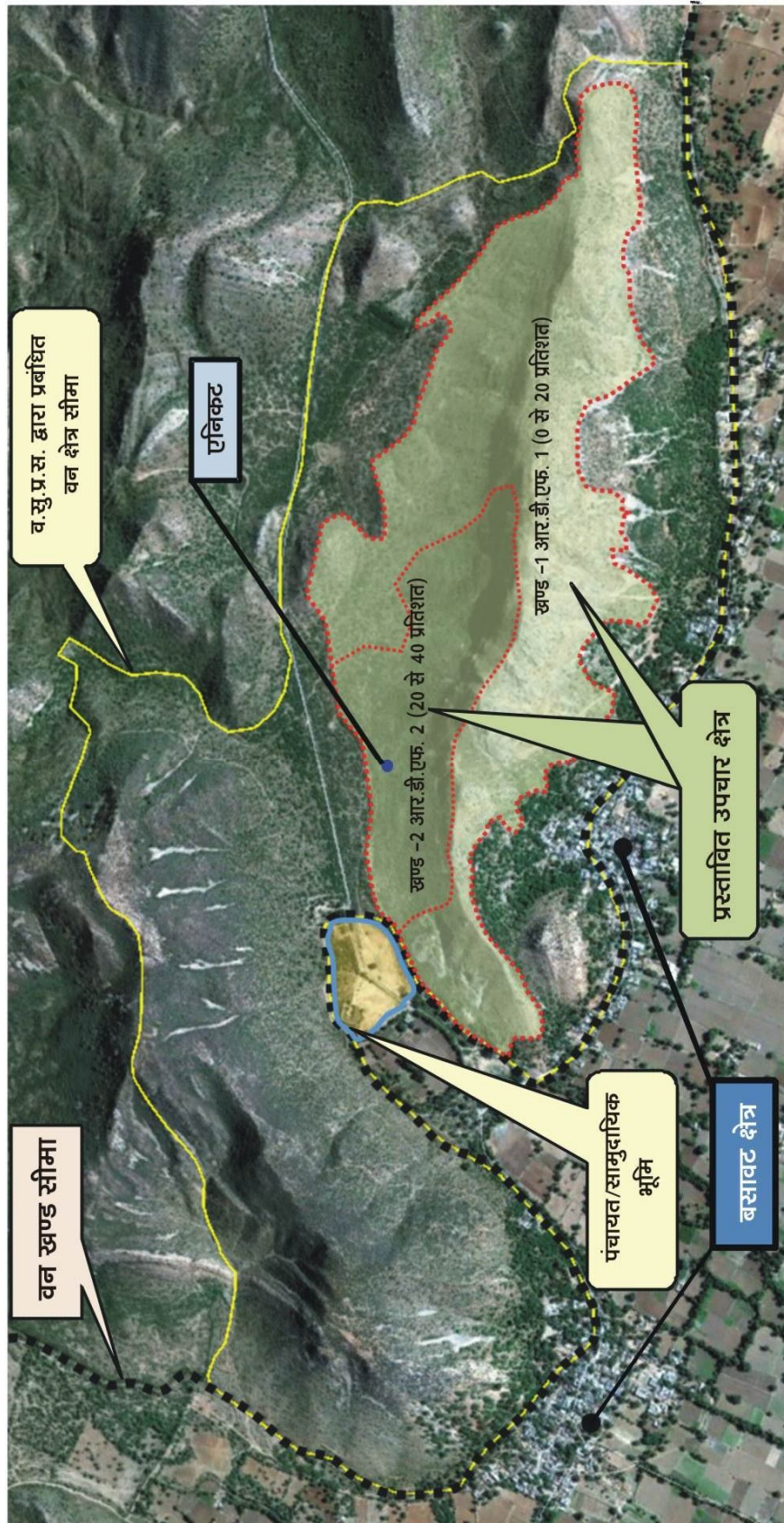
D;k dj o D;k u dj

D;k dj

- 1- lo{k.k d nkjku ge'kk th-ih-, l- midj.k d fy, vfrfjDr cVjh lFk e j[kA
- 2- lo{k.k d nkjku gYdk vkgkj o ipj ek=k e ihu dk ikuh lFk e j[kA
- 3- ekufp=] j[kkfp= rFkk vU; lcf/kr lnhk lkexh viu lFk j[kA
- 4- lo{k.k dk; lcg tYnh pky dj rFkk nkigj rd leklr dj nA vko';drk gku ij 'kke dk Hkh lo{k.k fd;k tk ldrk gA

D;k u dj

- 1- GPS midj.k dk rc rd ugh gVk; tc rd midj.k l MkVk i.k : i l VklQj uk gk tk;A
- 2- vfu/kkfjr Vd dk ,fj;k dydy'ku uk dj %io e gh ck/kkfgr Vd gkuk lfuf'pr dj y%A



fp=&2 o-l-i-l- Lrkj ij th-ih-,l- vk/kkfjr lo{k.k dk mnkgj.k

MkV_k fjd_{kM} 'khV d_k ik:i

xkE; oli l dk uke					ipk;r l fefr dk uke						
jktLo xke dk uke					fty dk uke						
{kib dk uke					ou {k.M dk uke						
eib dk uke					iMk dh i tkfr;k d uke						
lo fnukd	th-ih, l- fcUn	thih, l fcUn dk fooj.k	vU; fooj.k	lnHk fpUg	v{k'k			n'kkUvj			len ry l Apkb
					fMxh	fefuV l	l d.M	fMxh	fefuV l	l d.M	
	REF01	jQjUl fcUn	efnj	efnj	25	01	57-12	73	13	47-10	493
	FB01001	QkjLV Cykd	fo ky;	o{k i i t kfr%	25	01	57-23	73	13	47-15	450
	FB01002	QkjLV Cykd		o{k i i t kfr%	25	01	57-20	73	13	47-12	458
	FB01003	QkjLV Cykd		o{k i i t kfr%	25	01	57-18	73	13	47-11	540
	FB01004	QkjLV Cykd		o{k i i t kfr%	25	01	57-15	73	13	47-08	548
	FB01005	QkjLV Cykd		o{k i i t kfr%	25	01	57-10	73	13	47-25	485
	FB01006	QkjLV Cykd		o{k i i t kfr%	25	01	57-05	73	13	47-23	461
	FB01007	QkjLV Cykd		o{k i i t kfr%	25	01	56-89	73	13	47-15	458
	FB01008	QkjLV Cykd		o{k i i t kfr%	25	01	57-23	73	13	47-12	568
	FB01009	QkjLV Cykd		o{k i i t kfr%	25	01	57-20	73	13	47-11	451
	FB01010	QkjLV Cykd		o{k i i t kfr%	25	01	57-18	73	13	47-08	412
	FB01011	QkjLV Cykd		o{k i i t kfr%	25	01	57-15	73	13	47-25	406
	TA01001	mipkj 01	vkjMh, Q& 1	{kEck 01	25	01	57-10	73	13	47-23	584
	TA01002	mipkj 01		{kEck 02	25	01	57-05	73	13	47-15	489
	TA01003	mipkj 01		{kEck 03	25	01	56-89	73	13	47-12	484
	TA01004	mipkj 01		{kEck 04	25	01	57-23	73	13	47-11	514
	TA01005	mipkj 01		{kEck 05	25	01	57-20	73	13	47-08	542
	TA01006	mipkj 01		{kEck 06	25	01	57-18	73	13	47-25	584
	TA01007	mipkj 01		{kEck 07	25	01	57-15	73	13	47-23	478
	TA02001	mipkj 02	vkjMh, Q& 2	{kEck 08	25	01	57-10	73	13	47-15	482
	TA02002	mipkj 02		{kEck 09	25	01	57-05	73	13	47-12	435
	TA02003	mipkj 02		{kEck 10	25	01	56-89	73	13	47-11	414
	TA02004	mipkj 02		{kEck 11	25	01	57-23	73	13	47-08	458
	TA02005	mipkj 02		{kEck 12	25	01	57-20	73	13	47-25	468
	TA02006	mipkj 02		{kEck 13	25	01	57-18	73	13	47-23	489
	PA01001	ipk;r 01			25	01	57-15	73	13	47-15	451
	PA01002	ipk;r 01			25	01	57-10	73	13	47-12	432
	PA01003	ipk;r 01			25	01	57-05	73	13	47-11	458
	PA01004	ipk;r 01			25	01	56-89	73	13	47-08	456
	PA01005	ipk;r 01			25	01	57-23	73	13	47-25	487
	AP01001	lEifRr 01	, uhdV 01		25	01	57-20	73	13	47-23	550
	AP01002	lEifRr 01	, uhdV 02		25	01	57-25	73	13	47-33	564
	AP02001	lEifRr 02	pd Me 01		25	01	57-18	73	13	47-15	548

&&&&&&&&&&
lo{k.k drk
QkjLVj@lo{k d

&&&&&&&&&&
fujh{k.k drk
{kib ie[k

&&&&&&&&&&
vueknu drk
eib ie[k

eTrex 10, 20 or 30 d ifjpkYu d e[; igy

1- viu t-hih-, l- fjIhoj dk tkfu; %

0 vkid eTrex 10] 20 ;k 30 midj.k ij fuEu 6 cVu g %fp= 1 n[k %

1- ikoj@cd ykbV cVu% t-hih-, l- midj.k dk fLop vku@vkQ dju d fy, A

2- fDyd&fLVd cVu% fofHkUu eU; fodYik e l fdlh ,d dk puu d fy, fDyd fLVd cVu dk Åij ;k uhp vFkok nk; ;k ck; ?kek; A bl cVu d }kjk fdlh Hkh fodYi dk lfØ; dju d fy, mI lh/k vUnj nck; ;k ^,UVj** %dEI;Vj dh ckM@ekckby dh ^,UVj dh** d leku% dja



चित्र-1

3- cd cVu% fdlh Hkh eU; fodYi ;k it l ckj fudyu d fy, A

4- te vkÅV cVu% ekufp= dk NkVk djd n[ku d fy, A

5- te bu cVu% ekufp= dk cMk djd n[ku d fy, A

6- eU; cVu% fdlh Hkh it ij ,d ckj fDyd dj miyC/k fodYik dk n[k rFkk nk ckj nckdj fdlh Hkh it l e[; eU; e okil tk; %fp= & 2%A vxj vki ,d ckj bl nckdj fdlh Hkh it d fodYi n[ku d i'pkr mI l ckj fudyuk pkg rk ^cd cVu** dk nck; A



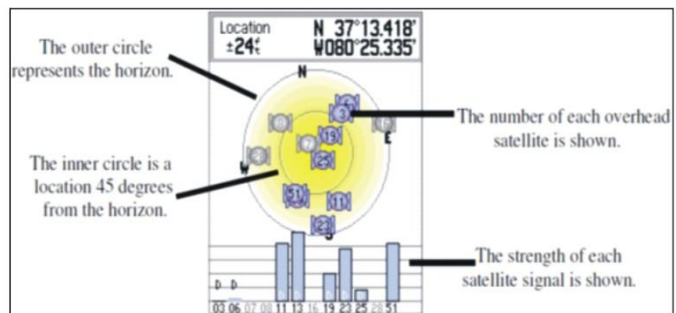
चित्र-2

2- viu t-hih-, l- fjIhoj dk bLreky dhft, %

& viu t-hih-, l- fjIhoj dk vku dju d fy, ikoj cVu dk nck, A eU; cVu dk bLreky djd e[; eU; (Main Menu) e tk, rFkk "Satellite" fodYi dk lyDV dja

%ukV% leku; r% t-hih-, l- fjIhoj dk mixg l

lEid lk/ku rFkk viuh fLFkr d fu/kkj.k e dN le; yxrk g bl nkjku "Status Window" ij "Wait ... tracking satellite" fy[kk vk ldrk gA tc t-hih-, l- fjIhoj de l de 5 lvykbV d lEid e vk tk; xk rc ok i.kr% mi; kx d fy, miyC/k gkxkA fdlh Hkh le; eU; it ij tkdj Satellite Page dk lyDV dj n[kk tk ldrk gA



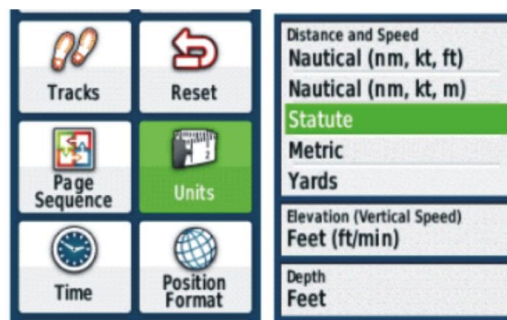
चित्र-3

& tc th-i-h-, l- fj l hoj l pkyu d fy, r; kj gkxk rc Satellite Page d Åijh
fgl l e vofLFkfr/Location (x, y coordinates) rFkk =fv (Error) inf'kr gkxh ¼fp=3¼A

3- bdkb;k dk fu/kk.k (Setting of Units):

3-1 njh (DISTANCE)

- 1- e[; eU; e 'Setup' > 'Units' lyDV dJA
- 2- Distance and Speed – distance unit = 'Metric' lyDV dJA
- 3- Elevation = Meters lyDV dJA
- 4- 'Back' cVu nckdj eU; l ckgj vk;A



चित्र-4

चित्र-5

3-2 le; (TIME)

- 1- e[; eU; e 'Setup' > 'Time' puA
- 2- Time Format – 12 vFkok 24 ?kV d ik: i e l ,d puA
- 3- Time Zone – viu le; {k= ¼mnkgj.k d fy, Hkkjr d fy, ^ckeck¼; k vkVkefVd (Automatic) lyDV dJA
- 4- 'Back' cVu nckdj eU; l ckgj vk;A

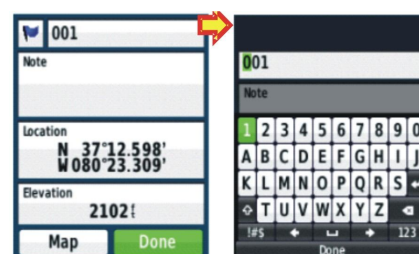
3-3 fLFkfr ik: i (POSITION FORMAT)

- 1- e[; eU; e 'Setup' > 'Position Format' lyDV dJA
- 2- Position Format – hddd⁰ mm' ss.s" lyDV dj
- 3- Map Datum – WGS84 lyDV dJA
- 4- 'Back' cVu nckdj eU; l ckgj vk;A

4- iFk fcUnvk dk vFkkY[k (Waypoint Recording):

vki viuh oreku fLFkfr dk iFk fcUn (Way Point) l lo dj ldr gA

- 1- e[; eU; e 'Mark Waypoint' lyDV dJA
- 2- iFk fcUn dk ukedj.k (Renaming a waypoint)
& iFk fcUn 'ID' ij fDyd dj d u;k uke n rFkk 'Done' ij fDyd dj u;k uke l lo dJA
- 3- 'Done' dk nckdj iFk fcUn fun'kkd (Waypoint coordinates) fjdKM dJA



चित्र-6

fun'kk fd l h Hkh vfu;fer {k= d lo{k.k d nkjku ifjf/k iFk (Continuous Track) d lgkj pyuk ef'dy gkrk g vr% bl fLFkfr e iFk fcUnvk dk dN njh ij fjdKM djrg, lo{k.k dJA

5- Vd (Track):

^Vd** vkid iFk dh fjdkfMx gA ^Vd ykx** fjdkMM iFk ij fLFkr lHkh fcUnvk l lcf/kr tkudkj j[krk g %fLFkr] len ry l Åpkb rFkk fjdkfMx dk le; lfefyr g%_A

- 1- e[; eU; e 'Setup' > 'Tracks' > 'Track Log' lyDV dJA
- 2- 'Track Log' - fjdkfMx vku ;k vkQ dJA
- 3- Record Method – rhu fodYik e l pu & 'Distance' / 'Time' / 'Auto' % lokUke ifrfuf/kRo d fy, 'Auto' lyDV dj%_A
- 4- Recording Interval - Normal dk lyDV dJA

fun'k%

& Vd vk/kkfjr fjdkfMx dju l io 'Current Tracks' e io Recorded lpuk dk jnn dJA %Main Menu > Track Manager>Current Track>Clear Current Track%_A

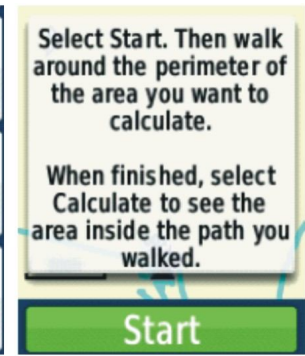
& bl fof/k d }kjk {k=Qy dh x.kuk 'Base Camp Software' }kjk dEl;Vj e MKVk MkmuykM dju d i'pkr gh dh tk ldrh gA

6- {k=Qy x.kuk (Area Calculation Tool):

lcl igy Main Menu > Track Manager > Current Track > Clear Current Track }kjk oreku Vd lpuk dk jnn dJA
%vxj vki io Vd ykx dk j[kuk pkgr g rk ml jnn dju l igy lo dJA%_A



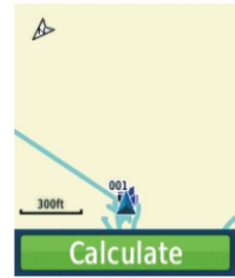
चित्र-7



चित्र-8

- 1- Main Menu > Area Calculation lyDV dj %fp= & %_A
- 2- Area Calculation Page e uhp Start Option fn;k x;k g %fp= & %_A tc vki viu 'k: vkrh fcUn ij gk rc Start ij fDyd fLVd cVu l fDyd dJA
- 3- viu {k= dh ifjf/k d lgkj pyA
- 4- midj.k dh LØhu ij vkidh ixfr inf'kr gkxhA viu Vd dk n[ku d fy, te&bu vFkok te&vkmV dk i;kx dJA vxj fd lh {k.k ij midj.k dk mixg l lEid VV tk, rk grkRlkfgr uk gkA th-ih-, l- lkj fjdkM fd; x, fcUnvk dk tkmDj vkidk vuekfur {k= inf'kr djxkA

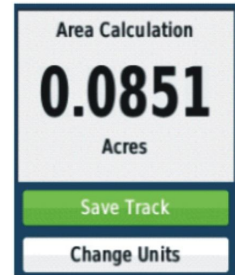
- 5- 'k:vkrh fcUn ij igpdj Calculate %fp= & 9% ij fDyd dJA vxj vki 'k:vkrh fcUn ij ugh gkx rk vkidk fjlhoj viu vki vkidh oreku fLFkfr I 'k:vkrh fcUn rd dh njh viuh x.kuk e 'kkfey dj yxkA ifjor {k= x.kuk LØhu ij inf'kr gkxh %fp= & 10%A x.kuk dh bdkb dk cnyu d fy, 'Change Unit Options' ij fDyd dj miyC/k fodYik %Square Feet, Square Yards, Square Meters, Hectares, Square Miles, etc.% e I puA



चित्र-9

- 6- vxj Hkfo"; e bl x.kuk dk bLreky djuk gk rk 'Save Track' ij fDyd dj rFkk t:jr gk rk Vd dk mi;Dr ukedj.k dJA

- 7- I Hkh lo fd; x; Vd n[ku d fy, Main Menu > Track Manager > Archived Tracks. dk bLreky dJA



चित्र-10

fun'k%

& {k=Qy x.kuk dju I io 'Current Tracks' e io funf'kr lpuk dk jnn dJA
%Main Menu > Track Manager>Current Track>Clear Current Track%

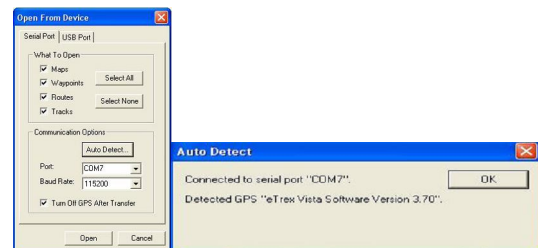
& ;g fof/k doy mipkj {k=k d lo{k.k o {k=Qy x.kuk d fy, i;kx dh tkuh pkfg, tgk lo{k.kdrk vk lkuh I mipkj {k= ifjf/k d lgkj py ldrk gA

MAP SOURCE Software }kjk MkVv VklQj

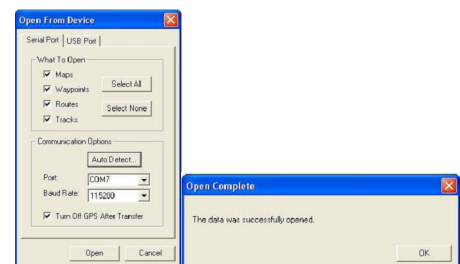
- 1- th-ih-, l- midj.k dk MkVv VklQj dcy }kjk dEl;Vj l tKMA
2. MAP Source Software dk [kkyA
3. 'FILE' e tkdj 'OPEN FROM DEVICE' ij fDyd dJA



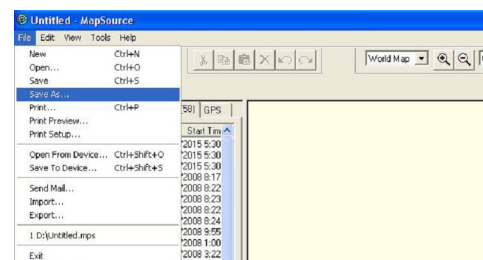
4. 'AUTO DETECT' ij fDyd dj o dEl;Vj dk th-ih-, l- midj.k l lid LFkkfir dju nA lid LFkkfir gku ij 'OK' ij fDyd dJA



5. 'OPEN' ij fDyd dJA ,d NKVh LØhu MkVv lxg gku ij [ky tk;xhA ml cUn dju d fy, 'OK' ij fDyd dJA

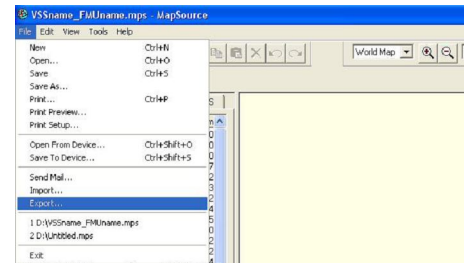


6. Åijh eU; e tkdj 'FILE' ij fDyd dj rFkk 'SAVE AS' e tkdj Qkby dk .gpx extension l lo dJA



.txt ,0.xls e MkVk Export dju dh fof/k

1. “FILE” e tkdj “EXPORT” ij fDyd dj rFk Qkby dk .txt File extension l lo dJA ¼VFPMC name_FMU name.txt’½



2. .txt Qkby dk nk ckj fDyd dj d [kkyA
3. .txt Qkby l iFk fcUnvk dk lyDV dj dkih dJA

Name	Type	Position	Altitude	Depth	Proximity	Display Mode
1	User Waypoint	N19 11.843 E83 20.246	999 ft			Symbol & Name
2	User Waypoint	N19 11.826 E83 20.298	977 ft			Symbol & Name
3	User Waypoint	N19 11.848 E83 20.224	973 ft			Symbol & Name
4	User Waypoint	N20 17.064 E85 49.969	386 ft			Symbol & Name
5	User Waypoint	N20 17.055 E85 49.973	380 ft			Symbol & Name
6	User Waypoint	N19 11.848 E83 20.224	973 ft			Symbol & Name
7	User Waypoint	N20 17.064 E85 49.969	386 ft			Symbol & Name
8	User Waypoint	N19 11.843 E83 20.246	999 ft			Symbol & Name
9	User Waypoint	N19 11.826 E83 20.298	977 ft			Symbol & Name
10	User Waypoint	N19 11.848 E83 20.224	973 ft			Symbol & Name
11	User Waypoint	N20 17.064 E85 49.969	386 ft			Symbol & Name
12	User Waypoint	N20 17.055 E85 49.973	380 ft			Symbol & Name

4. MS-Excel e ub Qkby [kky dj dkih fd;k x;k MkVk Paste dj rFk Qkby dk lo dJA ¼VFPMC Name_FMU Name.xls’½

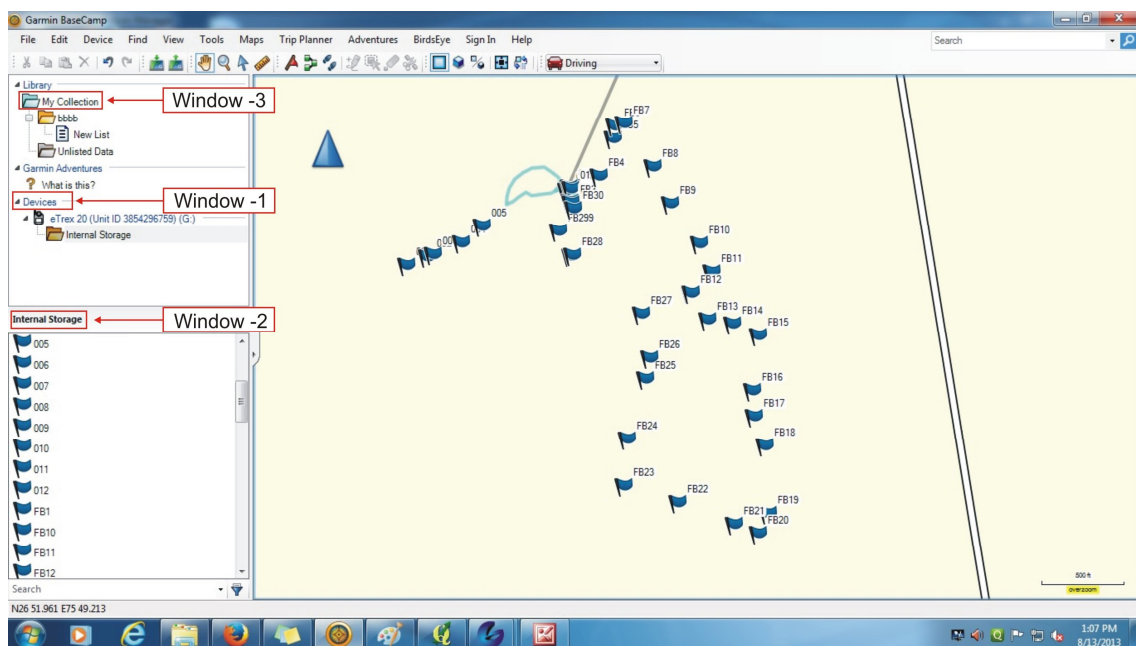
	A	B	C	D	E	F	G	H	I	J
1	Header	Name	Description	Type	Position	Altitude	Depth	Proximity	Display Mode	Color
2										
3	Waypoint	1	User Waypoint	N19 11.843 E83 20.246	999 ft				Symbol & Name	Unknown
4	Waypoint	2	User Waypoint	N19 11.826 E83 20.298	977 ft				Symbol & Name	Unknown
5	Waypoint	3	User Waypoint	N19 11.848 E83 20.224	973 ft				Symbol & Name	Unknown
6	Waypoint	4	User Waypoint	N20 17.064 E85 49.969	386 ft				Symbol & Name	Unknown
7	Waypoint	5	User Waypoint	N20 17.055 E85 49.973	380 ft				Symbol & Name	Unknown

- 5- mijkDr EXCEL Qkby e th-i-h-,l- fcUnvk l lcf/kr MKVk dkxth ik:i dk lnhfkr djr g, Hkja

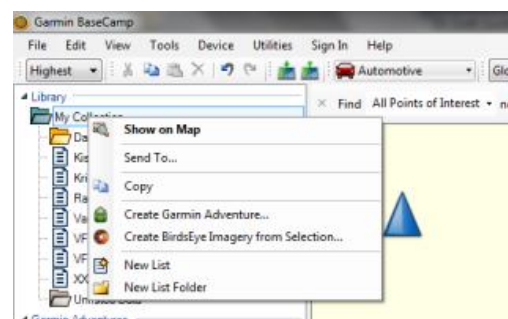
GPS Waypoint	VSS Name	Division	Range	LATITUDE			LONGITUDE		
				Degree	Minutes	Seconds	Degree	Minutes	Seconds
01	XYZ	XXX	YYY	25	01	57.23	73	13	47.15
02	XYZ	XXX	YYY	25	02	57.2	73	13	47.12
03	XYZ	XXX	YYY	25	03	57.18	73	13	47.11
04	XYZ	XXX	YYY	25	04	57.15	73	13	47.08
05	XYZ	XXX	YYY	25	05	57.1	73	13	47.25
06	XYZ	XXX	YYY	25	06	57.05	73	13	47.23
07	XYZ	XXX	YYY	25	07	56.89	73	13	47.15
08	XYZ	XXX	YYY	25	08	57.23	73	13	47.12
09	XYZ	XXX	YYY	25	09	57.2	73	13	47.11
10	XYZ	XXX	YYY	25	10	57.18	73	13	47.08
11	XYZ	XXX	YYY	25	11	57.15	73	13	47.25
12	XYZ	XXX	YYY	25	12	57.1	73	13	47.23

BASE CAMP Software dh lg;rk l th-ih-, l- MkVv VklQj

1. GARMIN dh OC lkbV l BASE CAMP Software MkmuykM dj ¼;g e¶r miyC/k g¼A
2. th-ih-, l- midj.k dk dEl;Vj@yiVki l MkVv dcy }kjk tkMA
3. BASE CAMP software dk [kkyA
4. th-ih-, l- midj.k dEl;Vj@yiVki l tMr gh Device e Qkby n'kk;xkA ¼uhp fn; x; fp= e window-1½



5. t l gh Window-1 e Qkby LyDV dh tk;xh] Window-2 l Hkh ,dy iFk fcUnvk dk window-2 ¼mij fn; x; fp= e½ e fn[kk;xhA
6. Åij fn; x; fp= d vulkj Window-3 e tkdj 'My Collection' e jkbV fdYd l ,d u;k QkYMj cuk, vkj mldk uke VFPMC d uke ij j[kA
7. Window-2 e tkdj lo{k.k iFk fcUnvk rFkk VDI dk dh&ckM ij 'Ctrl' nckdj lyDV dj o Window-3 e tkdj fu/kkfjr QkYMj e lo dja
8. Window-3 e tkdj QkYMj LyDV dj rFkk FILE e tkdj EXPORT d }kjk Qkby dk .gpx Format e lo dja

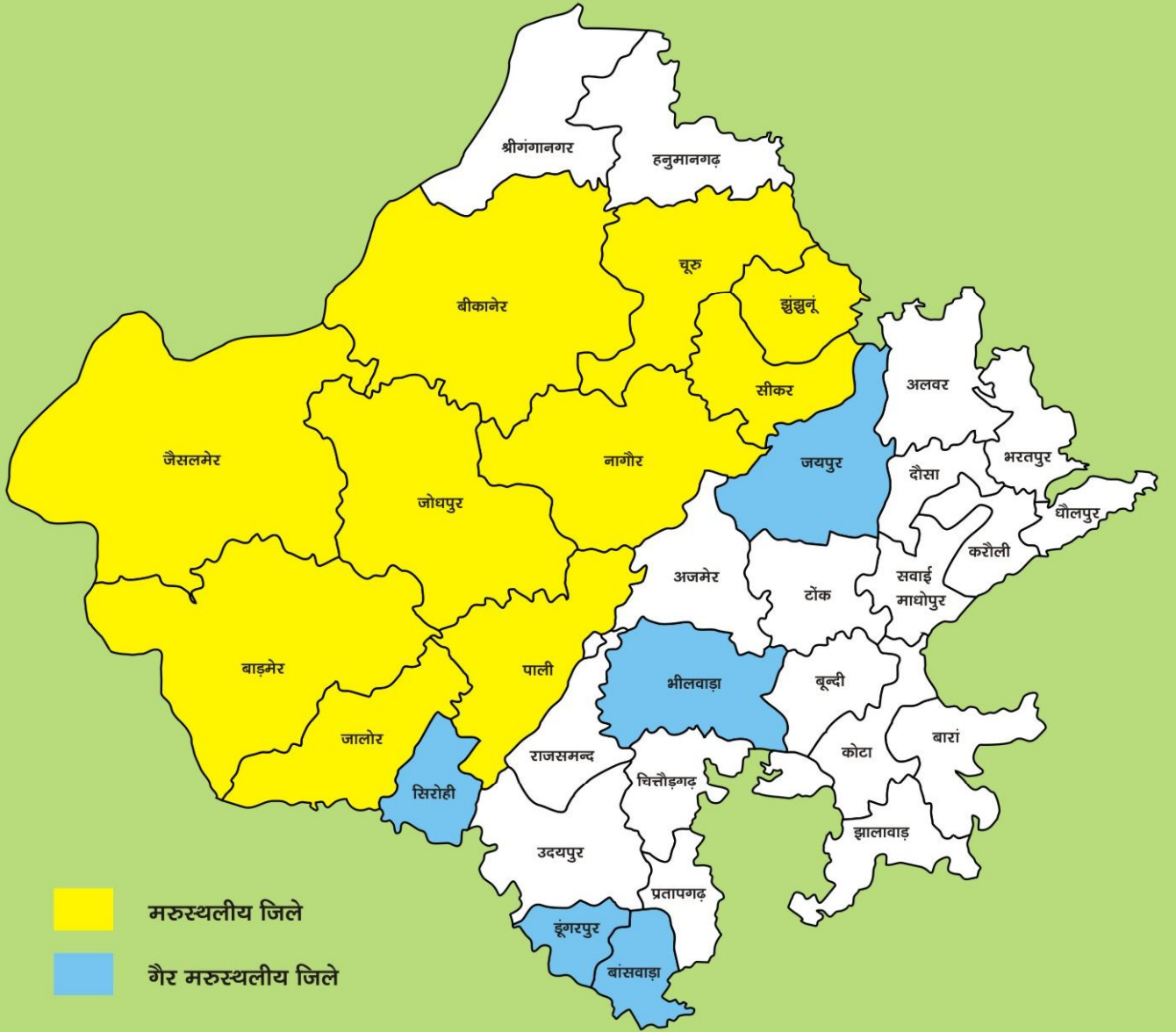


This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]

राजस्थान वानिकी एवं जैव विविधता परियोजना फेज - 2

परियोजना क्षेत्र



राजस्थान वानिकी एवं जैव विविधता संरक्षण सोसायटी

(1207 जयपुर / 2010-11)

अरावली भवन, झालाना सांस्थानिक क्षेत्र, जयपुर - 302004 (राज.)