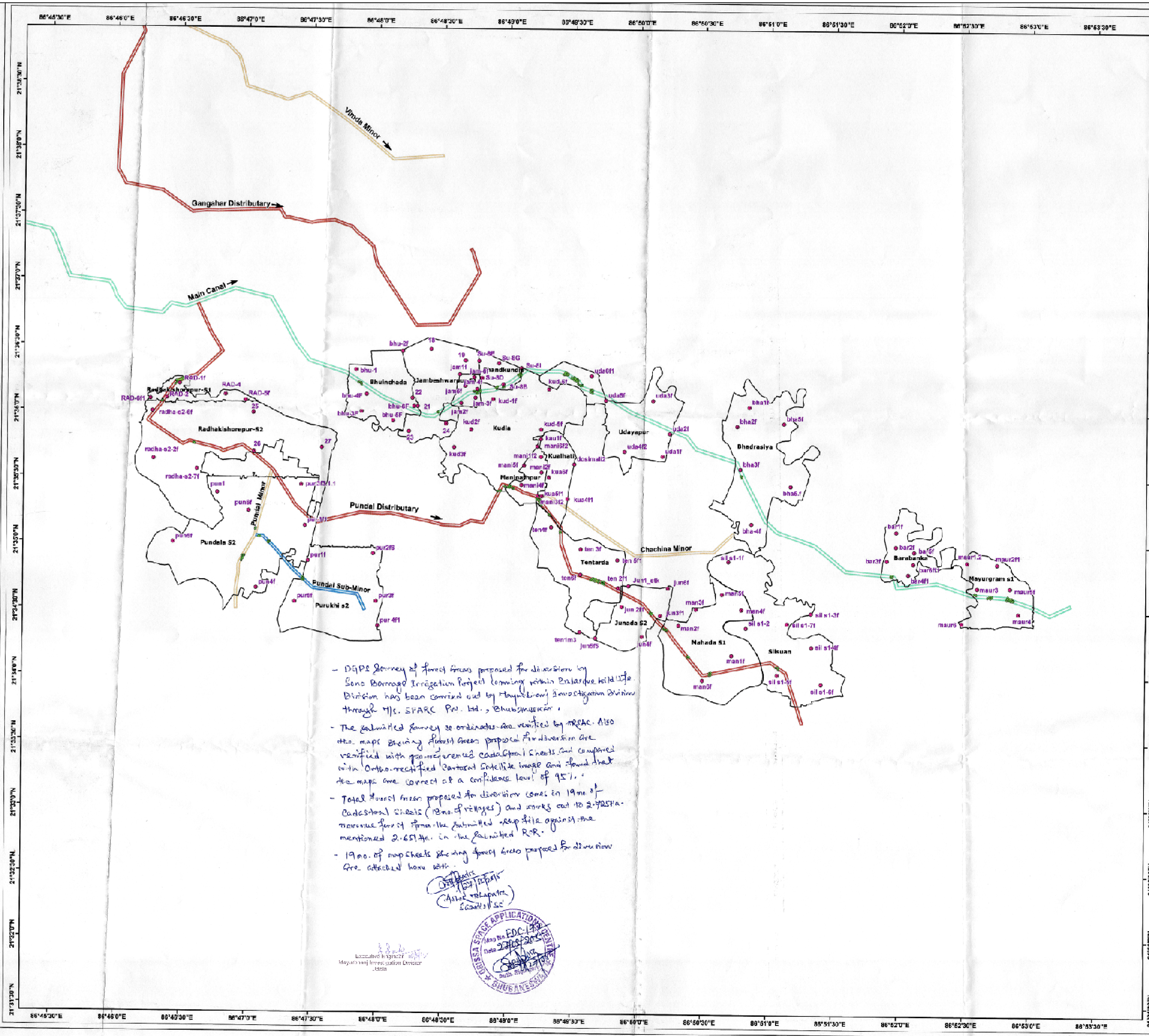




- DGPS survey of forest areas proposed for diversion in Soro Barrage Irrigation Project coming within Balasore field office Division has been carried out by Mr. B. K. Singh, Surveyor, through M/s. SPARC Pvt. Ltd., Bhubaneswar.

- The submitted survey co-ordinates are verified by SPARC. Also the maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and compared with ortho-rectified aerial satellite image and found that the maps are correct at a confidence level of 95%.

- Total forest area proposed for diversion comes in 19 no. of cadastral sheets (Bans of villages) and works out to 2,925 Ha. more or less from the submitted map sheet against the mentioned 2,651 Ha. in the submitted ROR.

- 19 no. of maps sheets showing forest areas proposed for diversion are attached here with.

Area Statement of Forest Plot									
Village Name	Patch No	Plot No	Proposed Forest Area for diversion		DGPS Surveyed Area		Khasm		
			Acres	Hectares	Acres	Hectares	Sakik / D/LC		
Bhuchhadi	P-81	79 (P)	0.160	0.065	0.100	0.040	Gramya Jungle		
		487 (P)	0.020	0.008	0.016	0.008	Patia (D/LC)		
		83 (P)	0.070	0.028	0.088	0.037	Gramya Jungle		
		84 (P)	0.030	0.012	0.198	0.079	Gramya Jungle		
Chandakudi	P-63	155 (P)	0.010	0.004	0.010	0.004	Gramya Jungle		
		156 (P)	0.010	0.004	0.010	0.004	Gramya Jungle		
		157 (P)	0.010	0.004	0.010	0.004	Gramya Jungle		
		158 (P)	0.010	0.004	0.010	0.004	Gramya Jungle		
Udayapur S1	P-68	33 (P)	0.100	0.040	0.102	0.041	Gramya Jungle Jogy		
		46	0.210	0.085	0.237	0.095	Gramya Jungle Jogy		
		49 (P)	0.100	0.040	0.102	0.041	Gramya Jungle Jogy		
		79 (P)	0.070	0.028	0.065	0.026	Gramya Jungle Jogy		
Bhadraiya	P-71	111 (P)	0.270	0.108	0.273	0.110	Gramya Jungle Jogy		
		705 (P)	0.040	0.016	0.038	0.015	Gramya Jungle Jogy		
		242	0.110	0.044	0.138	0.056	Gramya Jungle Jogy		
		165 (P)	0.030	0.012	0.031	0.012	Gramya Jungle		
Mayurac S1	P-75	276	0.120	0.049	0.121	0.049	Gramya Jungle		
		465 (P)	0.080	0.032	0.096	0.039	Gramya Jungle		
		466	0.100	0.040	0.110	0.044	Gramya Jungle		
		470	0.180	0.072	0.202	0.082	Gramya Jungle		
Rachakishorepur S1	P-86	20 (P)	0.030	0.012	0.034	0.014	Gramya Jungle		
		27 (P)	0.040	0.016	0.044	0.018	Gramya Jungle		
		430 (P)	0.020	0.008	0.025	0.010	Gramya Jungle		
		431 (P)	0.020	0.008	0.025	0.010	Gramya Jungle		
Pundal S2	P-103	1111 (P)	0.200	0.081	0.205	0.083	Gramya Jungle		
		1271 (P)	0.050	0.020	0.055	0.022	Gramya Jungle		
		1272 (P)	0.050	0.020	0.055	0.022	Gramya Jungle		
		1273 (P)	0.050	0.020	0.055	0.022	Gramya Jungle		
Kudla	P-89	234 (P)	0.090	0.036	0.098	0.039	Gramya Jungle Jogy		
		237 (P)	0.010	0.004	0.010	0.004	Gramya Jungle Jogy		
		238 (P)	0.010	0.004	0.010	0.004	Gramya Jungle Jogy		
		239 (P)	0.010	0.004	0.010	0.004	Gramya Jungle Jogy		
Marinapur	P-91	169 (P)	0.170	0.068	0.195	0.078	Gramya Jungle		
		203 (P)	0.260	0.104	0.270	0.108	Gramya Jungle		
		218 (P)	0.070	0.028	0.079	0.032	Gramya Jungle		
		220 (P)	0.010	0.004	0.012	0.005	Gramya Jungle		
Kuahari	P-92	90 (P)	0.030	0.012	0.031	0.012	Gramya Jungle Jogy		
		140 (P)	0.010	0.004	0.012	0.005	Gramya Jungle Jogy		
		480 (P)	0.120	0.048	0.125	0.050	Sarada Arjasaachita (D/LC)		
		481 (P)	0.010	0.004	0.010	0.004	Sarada Arjasaachita (D/LC)		
Tentarda	P-95	450 (P)	0.010	0.004	0.010	0.004	Sarada Arjasaachita (D/LC)		
		451 (P)	0.010	0.004	0.010	0.004	Sarada Arjasaachita (D/LC)		
		452 (P)	0.010	0.004	0.010	0.004	Sarada Arjasaachita (D/LC)		
		453 (P)	0.010	0.004	0.010	0.004	Sarada Arjasaachita (D/LC)		
Jundia S2	P-97	442 (P)	0.230	0.092	0.231	0.092	Sarada Arjasaachita (D/LC)		
		443 (P)	0.140	0.056	0.140	0.056	Sarada Arjasaachita (D/LC)		
		444 (P)	0.040	0.016	0.040	0.016	Sarada Arjasaachita (D/LC)		
		445 (P)	0.040	0.016	0.040	0.016	Sarada Arjasaachita (D/LC)		
Mahaca S1	P-101	791 (P)	0.110	0.044	0.112	0.045	Gramya Jungle Jogy		
		792 (P)	0.020	0.008	0.020	0.008	Gramya Jungle Jogy		
		793 (P)	0.020	0.008	0.020	0.008	Gramya Jungle Jogy		
		794 (P)	0.020	0.008	0.020	0.008	Gramya Jungle Jogy		
Silasua S1	P-102	662 (P)	0.060	0.024	0.060	0.024	Gramya Jungle Jogy		
		663 (P)	0.060	0.024	0.060	0.024	Gramya Jungle Jogy		
		664 (P)	0.060	0.024	0.060	0.024	Gramya Jungle Jogy		
		665 (P)	0.060	0.024	0.060	0.024	Gramya Jungle Jogy		

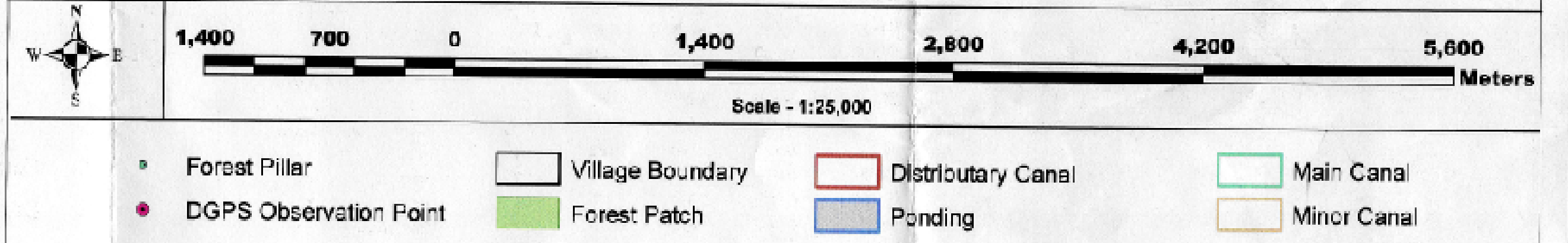
Spatial Planning & Analysis Research Centre Pvt. Ltd.
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DGPS Survey Conducted and Map Prepared by:-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, INF-INDIA, Chandaka Industrial Estate,
Bhubaneswar - 751024.

INDEX MAP

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for Soro Irrigation Project

Forest Division-Balasore, District - Balasore, Odisha



CO-ORDINATES OF SCP/DGPS OBSERVATION POINT									
DGPS Observation Point	UTM CO-ORDINATE		GEO-GRAPHIC CO-ORDINATE		DGPS Observation Point	UTM CO-ORDINATE		GEO-GRAPHIC CO-ORDINATE	
	Easting	Northing	Longitude	Latitude		Easting	Northing	Longitude	Latitude
bhu-1	479005.037	2389155.360	E86°47'48.76982"	N21°36'19.12745"	pur1	477179.634	2389422.601	E86°46'46.35594"	N21°36'22.68377"
bhu-2f	479820.581	2389420.462	E86°48'11.18888"	N21°36'27.77453"	pur4f	477683.678	2389088.155	E86°47'04.30717"	N21°36'30.24074"
bhu-3f	479078.684	2388667.769	E86°47'52.35731"	N21°36'00.01774"	pur5f	478528.675	2389722.285	E86°48'28.13718"	N21°36'36.91360"
bhu-4f	479146.196	2388811.043	E86°47'54.95517"	N21°36'07.93326"	pur6f	477566.306	2389171.573	E86°47'00.83712"	N21°36'34.54044"
bhu-5f	479496.715	2388438.461	E86°48'06.90274"	N21°35'55.82535"	pur-3f1	478337.501	2388968.701	E86°47'26.85473"	N21°36'37.90380"
bhu-6f	479773.426	2388543.911	E86°48'16.51777"	N21°36'22.62316"	pur-35.1.1	478235.464	2389542.743	E86°47'24.81604"	N21°36'26.64379"
rat-1f	479136.288	2391189.854	E86°47'53.15424"	N21°37'25.30418"	pur-4f1	479305.072	2389662.073	E86°48'00.39592"	N21°36'22.26459"
rat-1f2	479593.341	2391240.847	E86°48'10.13633"	N21°37'26.98314"	pur1f	478330.485	2389665.400	E86°47'28.12722"	N21°36'21.73656"
rat-3f	479619.583	2390545.434	E86°47'43.25597"	N21°37'26.98314"	pur2f	479245.040	2389574.910	E86°47'58.23088"	N21°36'26.20203"
rat-4f	479497.710	2390597.848	E86°48'00.84174"	N21°37'08.08517"	pur3f	479236.119	2389803.986	E86°48'21.43577"	N21°36'12.23752"
rat-5f	479744.764	2390999.349	E86°48'16.48149"	N21°36'46.60372"	pur5f	479045.471	2391368.549	E86°48'23.00489"	N21°36'30.95442"
rat-6f	479686.623	2390906.736	E86°47'44.93691"	N21°36'35.49527"	kur-1f	480815.662	2389350.354	E86°49'14.89546"	N21°35'52.38039"
jam-1f	480580.018	2388769.820	E86°48'44.65633"	N21°36'06.65106"	kur-5f	481451.582	2388330.064	E86°49'14.89546"	N21°35'52.38039"
jam-2f	480804.521	2388889.997	E86°48'46.42662"	N21°36'10.62566"	kur-3f	481552.000	2388594.535	E86°49'16.38751"	N21°35'50.74439"
jam-3f	480564.761	2389007.416	E86°48'44.02291"	N21°36'10.04444"	kur-2f	480527.308	2388326.809	E86°48'42.75102"	N21°35'52.26697"
jam-4f	480375.136	2389068.737	E86°48'37.42884"	N21°36'17.42884"	kur-3f	480505.237	2388755.536	E86°48'36.03918"	N21°35'54.07573"
jam-5f	480393.435	2389060.839	E86°48'38.07557"	N21°36'10.07444"	kur-12	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-6f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-7f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-8f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-9f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-10f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-11f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-12f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-13f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-14f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-15f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-16f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-17f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-18f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-19f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-20f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-21f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-22f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-23f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-24f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-25f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-26f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-27f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-28f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-29f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-30f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-31f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-32f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-33f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-34f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-35f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-36f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-37f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-38f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-39f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-40f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-41f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-42f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-43f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-44f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-45f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-46f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-47f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-48f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-49f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-50f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-51f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-52f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-53f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-54f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-55f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-56f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-57f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-58f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-59f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-60f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-61f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-62f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-63f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35'49.86311"
jam-64f	480448.219	2389035.362	E86°48'39.97402"	N21°36'12.22899"	man12f	481453.162	2387544.065	E86°49'14.99648"	N21°35