remote sensing

Supplementary Materials: Phenology and seasonal ecosystem productivity in an Amazonian floodplain forest

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1. Complementary figures, tables and data availability

This supporting information contains Figures S1, S3, S4 and S5 showing a linear correlation between the flood height measured at the base tower with the river level; The rainfall from the tower with TRMM; The air temperature and VPD from the tower against products from the ERA5 reanalysis dataset, respectively. Figure S2 refers to the permanent water channels mapped through the Bing Virtual Earth high-resolution image provided on QGIS 2.18 software. The percentage of water channels and forest cover extract from this image is provided in table S1. Table S2 refers to the forest inventory realized in 2015, in two plots near the Bananal tower. Figure S6 provides the monthly variation of GPP and EVI from May 2011 to September 2013. Figure S7 shows the monthly rainfall time series (TRMM), flood height measured at the base tower, CWD and soil moisture measured close to the tower, from January 2004 to December 2016. Tables S3, S4, S5, and S6 provide the analyzed dataset.

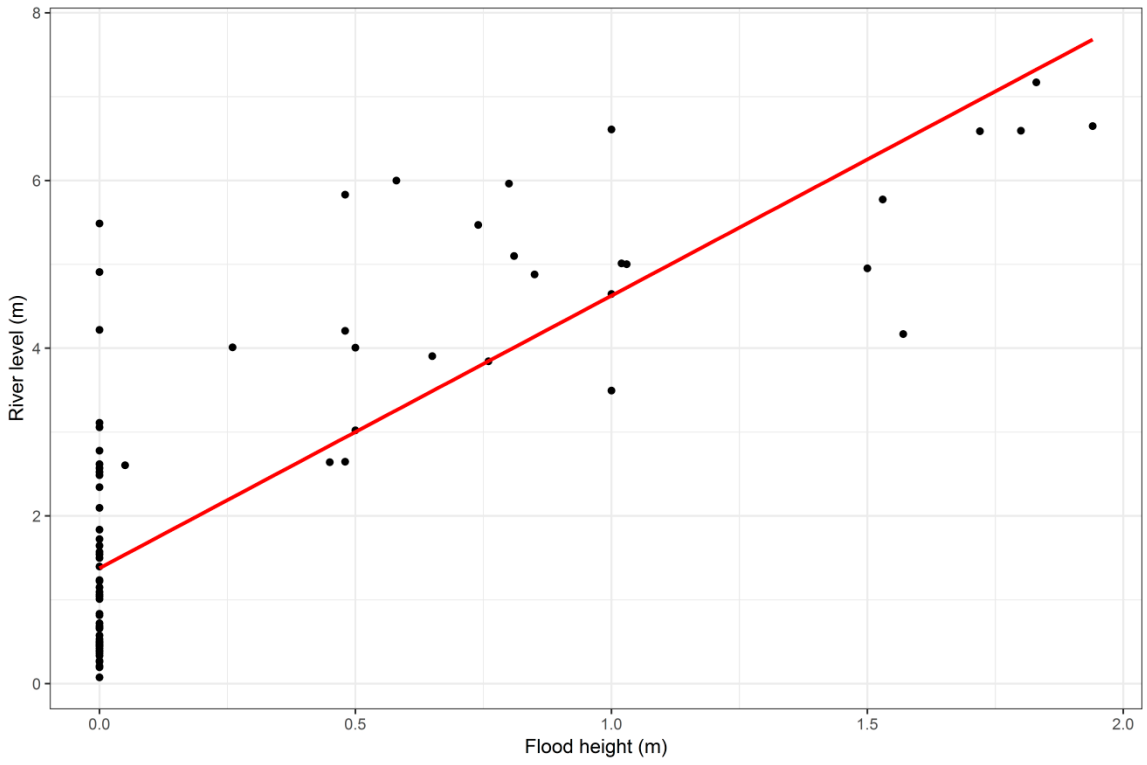

Figure S1. Scatterplot of flood height measured at the tower against river level and the fitted regression line (red).

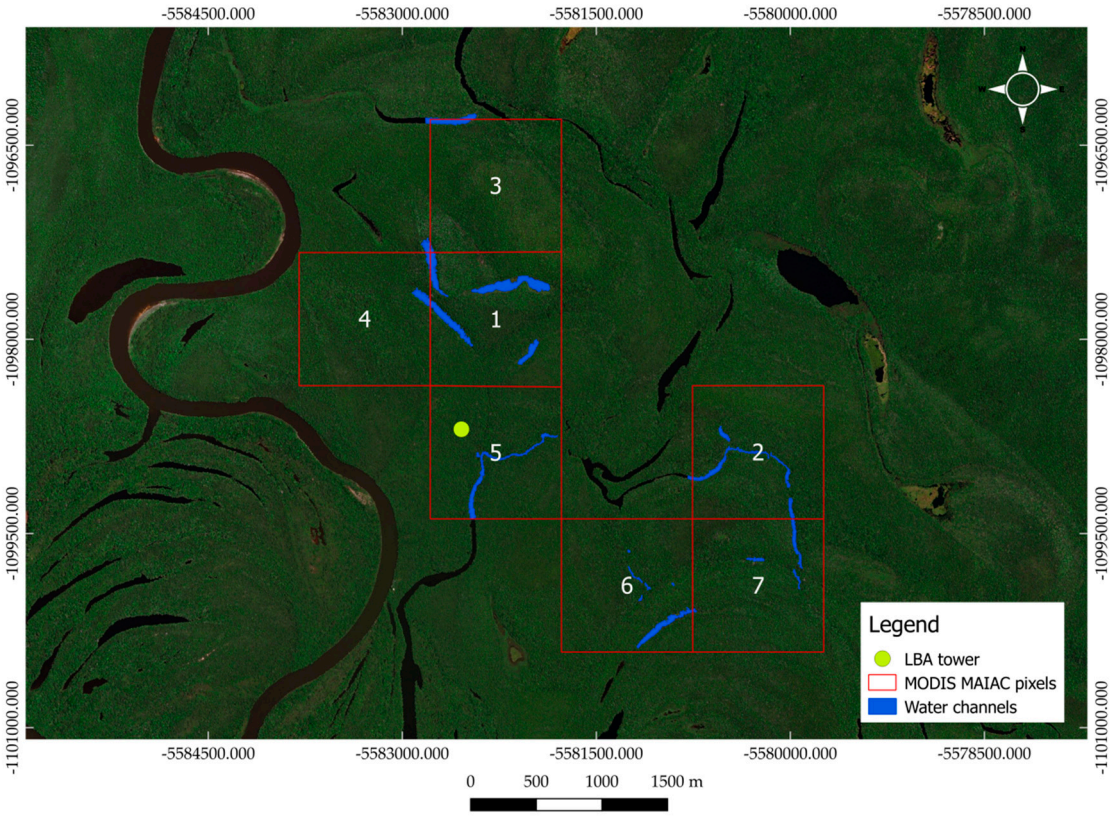

Figure S2. Bing Virtual Earth image. MODIS MAIAC pixels (red squares) around the LBA tower (Yellow dot) and mapped water channels.

Table S1. Percentage of permanent water channels and forest cover in MODIS pixels as delineated with high-resolution Bing Virtual Earth image on QGIS.

Pixel ID	Water channels (km²)	Modis pixel area (km²)	Water channels (%)	Forest cover (%)
1	0.07	1.01	6.42	94.88
2	0.02	1.01	1.65	98.95
3	0.01	1.00	1.03	99.27
4	0.01	1.01	0.96	99.54
5	0.02	1.00	1.61	98.39
6	0.02	1.01	1.54	99.06
7	0.01	1.00	0.92	99.48

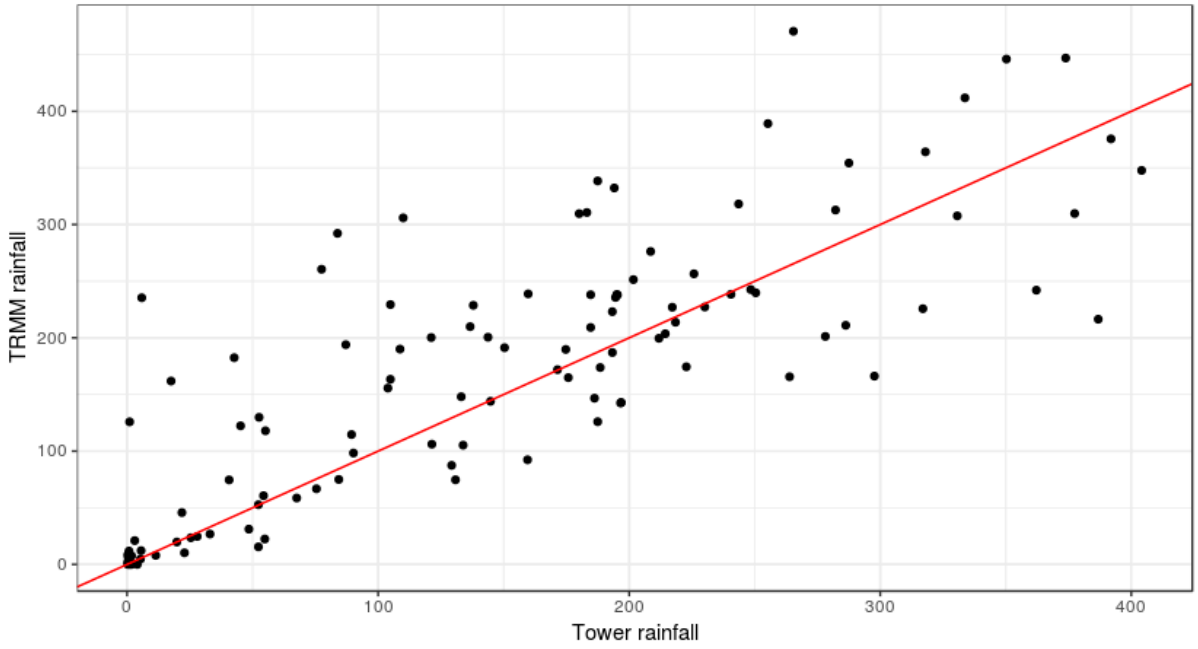

Figure S3. Scatterplot of rainfall data from TRMM against flux tower data and the fitted regression line (red).

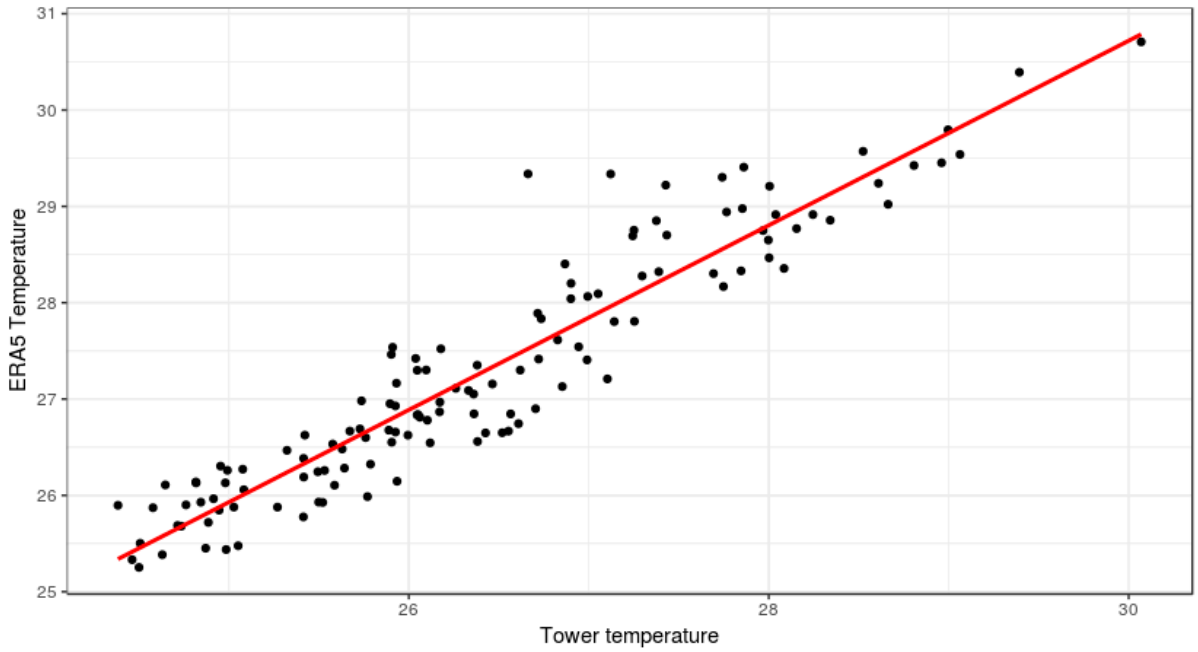

Figure S4. Scatterplot of temperature data from ERA5 against flux tower data and the fitted regression line (red).

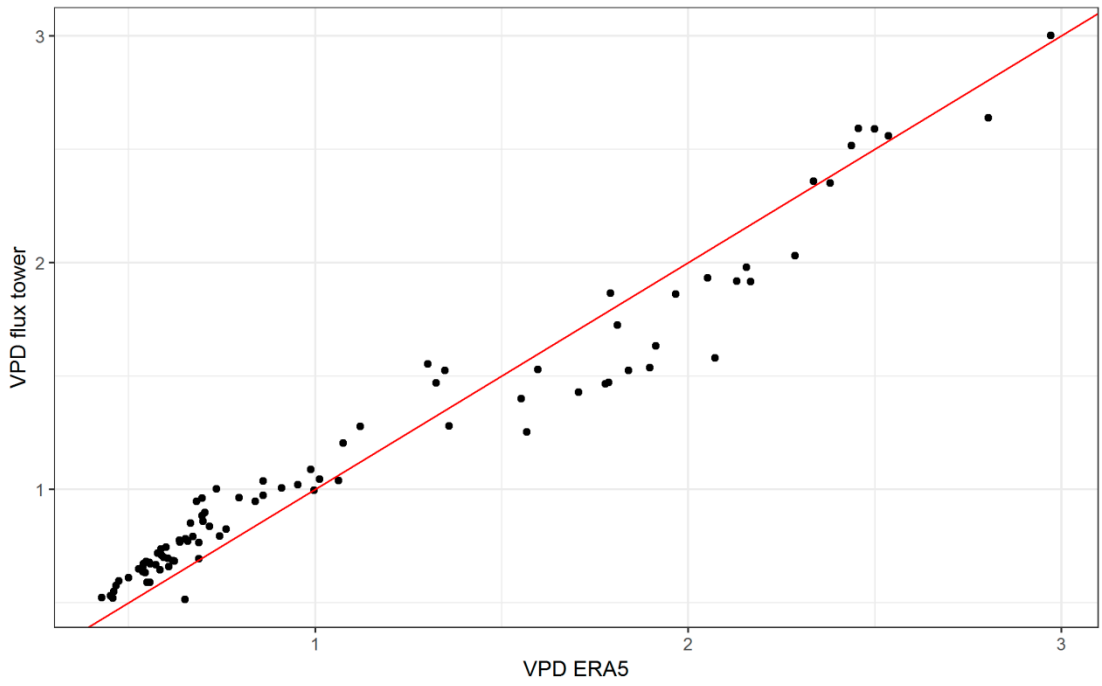

Figure S5. Scatterplot of vapour pressure deficit (VPD) from ERA5 against flux tower data and the fitted regression line (red).

Table S2. Forest inventory of two plots located 200 (BAN1) and 100 m (BAN2) from the Bananal tower, UTM zone 22S.

Plot	Tree ID	Long (UTM)	Lat (UTM)	DAP (cm)	Basal area (m^2)	Height (m)	Species
BAN-01	12	593673.403	8914419.317	10.186	0.008	7.000	*Maquira guianensis Aubl.*
BAN-01	25	593679.403	8914433.817	41.062	0.132	9.680	*Mouriri ficoides Morley*
BAN-01	26	593681.403	8914433.817	25.433	0.051	9.759	*Discocarpus brasiliensis*
BAN-01	42	593672.403	8914453.817	10.090	0.008	9.020	*Brosimum gaudichaudii Trecul*
BAN-01	44	593678.403	8914447.817	20.913	0.034	13.301	*Duroia velutina*
BAN-01	45	593675.403	8914448.817	35.746	0.100	19.439	*Piranhea trifoliata*
BAN-01	51	593675.403	8914440.817	21.963	0.038	15.184	*Duroia velutina*
BAN-01	72	593675.403	8914465.817	12.414	0.012	10.000	*Discocarpus brasiliensis*
BAN-01	75	593672.403	8914460.817	34.505	0.094	15.717	*Pouteria ramiflora (Mart.) Radlk.*
BAN-01	79	593684.403	8914462.817	10.472	0.009	11.466	*Mabea speciosa Müll. Arg.*
BAN-01	81	593684.403	8914463.817	12.128	0.012	8.534	*Myrcia fenestrata DC*
BAN-01	101	593683.403	8914488.817	16.807	0.022	7.971	*Discocarpus brasiliensis*
BAN-01	103	593684.903	8914494.817	10.186	0.008	6.024	*Piranhea trifoliata*
BAN-01	106	593681.403	8914495.317	25.879	0.053	12.713	*Discocarpus brasiliensis*
BAN-01	109	593673.403	8914496.817	18.462	0.027	11.061	*Brosimum gaudichaudii Trecul*
BAN-01	139	593675.403	8914511.817	9.931	0.008	9.360	*Brosimum gaudichaudii Trecul*
BAN-01	144	593667.903	8914507.817	21.932	0.038	14.300	*Handroanthus serratifolius*
BAN-01	168	593694.403	8914504.817	24.446	0.047	24.301	*Tachigali vulgaris Silva & Lima*

BAN-01	177	593703.403	8914504.817	9.931	0.008	9.680	*Calycolpus revolutus Berg*
BAN-01	194	593702.403	8914480.817	32.149	0.081	13.200	*Pouteria sp.*
BAN-01	196	593701.403	8914477.817	22.664	0.040	9.090	*Tachigali vulgaris Silva & Lima*
BAN-01	198	593694.403	8914484.817	10.090	0.008	8.250	*Discocarpus brasiliensis*
BAN-01	218	593686.403	8914466.817	9.931	0.008	8.400	*Garcinia madruno (Kunth in H.B.K.) Hammel*
BAN-01	222	593690.403	8914460.817	16.234	0.021	8.318	*Brosimum gaudichaudii Trecul*
BAN-01	227	593695.403	8914458.817	15.661	0.019	10.110	*Brosimum gaudichaudii Trecul*
BAN-01	233	593695.403	8914472.817	28.966	0.066	10.836	*Pouteria sp.*
BAN-01	253	593703.403	8914444.817	19.449	0.030	11.340	*Discocarpus brasiliensis*
BAN-01	257	593701.403	8914440.817	20.626	0.033	12.100	*Brosimum gaudichaudii Trecul*
BAN-01	259	593695.403	8914440.817	27.693	0.060	19.050	*Piranhea trifoliata*
BAN-01	262	593693.403	8914439.317	10.250	0.008	9.181	*Duroia velutina*
BAN-01	285	593689.403	8914435.817	9.899	0.008	8.400	*Discocarpus brasiliensis*
BAN-01	286	593688.403	8914432.817	35.014	0.096	16.352	*Piranhea trifoliata*
BAN-01	287	593691.403	8914431.817	16.902	0.022	13.079	*Duroia velutina*
BAN-01	289	593690.403	8914427.817	17.125	0.023	12.300	*Malouetia tamaquarina*
BAN-01	323	593714.403	8914431.817	22.855	0.041	11.120	*Discocarpus brasiliensis*
BAN-01	325	593712.403	8914426.817	10.504	0.009	7.700	*Discocarpus brasiliensis*
BAN-01	326	593713.403	8914423.817	22.600	0.040	11.227	*Duroia velutina*
BAN-01	332	593721.403	8914420.817	39.407	0.122	20.349	*Licania hypoleuca Benth*
BAN-01	349	593720.403	8914454.817	10.154	0.008	6.966	*Ternstroemia brasiliensis*
BAN-01	353	593721.403	8914449.817	25.178	0.050	14.500	*Piranhea trifoliata*
BAN-01	356	593713.403	8914439.817	41.062	0.132	13.420	*Mouriri ficoides Morley*
BAN-01	357	593711.403	8914440.317	19.767	0.031	13.098	*Discocarpus brasiliensis*
BAN-01	387	593712.403	8914441.317	16.170	0.021	28.356	*Roupala montana*
BAN-01	397	593721.403	8914468.817	17.125	0.023	10.384	*Ternstroemia brasiliensis*
BAN-01	402	593706.403	8914474.817	27.375	0.059	15.006	*Mouriri ficoides Morley*
BAN-01	404	59705.403	8914474.817	18.717	0.028	9.180	*Micropholis acutangula*
BAN-01	406	593710.903	8914498.817	19.067	0.029	9.310	*Discocarpus brasiliensis*
BAN-01	415	593711.903	8914496.817	10.472	0.009	8.918	*Abarema jupunba*
BAN-01	438	593710.903	8914514.817	17.857	0.025	8.381	*Eugenia florida*
BAN-01	440	593712.903	8914515.817	16.902	0.022	8.381	*Brosimum gaudichaudii Trecul*
BAN-01	441	593709.903	8914516.817	19.735	0.031	9.090	*Discocarpus brasiliensis*
BAN-01	447	593743.403	8914502.317	10.441	0.009	3.960	*Roupala montana*
BAN-01	457	593727.403	8914513.317	22.027	0.038	9.374	*Tachigali vulgaris Silva & Lima*
BAN-01	461	593729.403	8914490.817	57.296	0.258	8.160	*Ternstroemia brasiliensis*
BAN-01	476	593742.403	8914488.817	27.375	0.059	14.317	*Roupala montana*
BAN-01	479	593744.403	8914482.317	17.539	0.024	12.218	*Mouriri ficoides Morley*
BAN-01	482	593739.403	8914481.817	10.154	0.008	8.236	*Salacia multiflora*
BAN-01	483	593738.403	8914461.817	18.207	0.026	14.157	*Brosimum gaudichaudii Trecul*
BAN-01	502	593729.403	8914464.317	46.123	0.167	15.708	*Licania egleri Prance*
BAN-01	508	593731.903	8914463.817	22.632	0.040	16.132	*Pouteria sp.*

BAN-01	516	593736.903	8914472.317	27.375	0.059	16.074	*Brosimum gaudichaudii Trecul*
BAN-01	525	593741.403	8914451.817	10.186	0.008	11.092	*Piranhea trifoliata*
BAN-01	529	593742.403	8914457.317	31.545	0.078	13.407	*Mouriri ficoides Morley*
BAN-01	557	593737.403	8914457.317	13.019	0.013	7.519	*Calycolpus revolutus Berg*
BAN-01	560	593731.403	8914456.817	21.040	0.035	6.804	*Discocarpus brasiliensis*
BAN-01	581	593727.403	8914423.317	49.338	0.191	16.777	*Licania hypoleuca Benth*
BAN-01	593	593735.403	8914424.817	19.767	0.031	12.814	*Calycolpus revolutus Berg*
BAN-01	594	593736.403	8914424.817	20.404	0.033	6.720	*Mouriri ficoides Morley*
BAN-01	598	593738.403	8914432.817	10.186	0.008	12.510	*Salacia multiflora*
BAN-01	619	593750.403	8914431.817	10.472	0.009	9.840	*Roupala montana*
BAN-01	623	593746.903	8914435.817	28.266	0.063	9.360	*Duroia velutina*
BAN-01	629	593754.403	8914433.817	38.547	0.117	16.482	*Cynometra bauhiniifolia*
BAN-01	637	593758.903	8914420.317	21.581	0.037	15.029	*Licania hypoleuca Benth*
BAN-01	652	593761.403	8914438.317	31.831	0.080	15.400	*Brosimum gaudichaudii Trecul*
BAN-01	658	593761.203	8914447.817	22.282	0.039	10.300	*Andira cordata*
BAN-01	659	593761.403	8914452.817	18.717	0.028	18.308	*Roupala montana*
BAN-01	663	593754.903	8914456.817	10.122	0.008	8.249	*Sloanea af. guianensis*
BAN-01	689	593748.903	8914468.817	24.574	0.047	12.540	*Tachigali vulgaris Silva & Lima*
BAN-01	692	593750.903	8914475.817	10.441	0.009	7.138	*Duroia velutina*
BAN-01	700	593761.903	8914461.817	25.497	0.051	9.360	*Roupala montana*
BAN-01	722	593746.203	8914484.817	28.043	0.062	17.969	*Pouteria sp.*
BAN-01	724	593748.203	8914485.817	15.311	0.018	16.614	*Tachigali vulgaris Silva & Lima*
BAN-01	725	593751.403	8914486.817	11.777	0.011	6.570	*Discocarpus brasiliensis*
BAN-01	738	593761.403	8914507.817	17.189	0.023	10.961	*Protium heptaphyllum*
BAN-01	741	593763.903	8914504.817	17.762	0.025	13.910	*Pouteria sp.*
BAN-01	742	593761.403	8914501.817	11.714	0.011	9.730	*Brosimum gaudichaudii Trecul*
BAN-02	761	593564.9108	8914108.161	10.186	0.008	7.853	*Mouriri ficoides Morley*
BAN-02	763	593558.4108	8914107.661	21.359	0.036	12.522	*Brosimum gaudichaudii Trecul*
BAN-02	765	593558.4108	8914105.161	27.406	0.059	16.403	*Vismia cayennensis (Jacq.) Pers.*
BAN-02	772	593567.4108	8914111.161	40.425	0.128	20.400	*Licania egleri Prance*
BAN-02	785	593568.4108	8914138.161	58.219	0.266	19.800	*Terminalia amazonia*
BAN-02	788	593561.4108	8914138.161	10.218	0.008	5.334	*Brosimum gaudichaudii Trecul*
BAN-02	795	593551.4108	8914127.661	28.298	0.063	11.800	*Eschweilera nana Miers*
BAN-02	801	593552.9108	8914139.161	22.600	0.040	13.579	*Pouteria ramiflora (Mart.) Radlk.*
BAN-02	813	593556.4108	8914160.161	40.075	0.126	14.420	*Licania egleri Prance*
BAN-02	819	593567.9108	8914157.661	10.472	0.009	9.673	*Zygia juruana (Harms) L.Rico*
BAN-02	826	593567.4108	8914163.161	15.024	0.018	11.502	*Cupania scrobiculata Rich*
BAN-02	831	593568.4108	8914172.161	21.900	0.038	13.560	*Micropholis guyanensis (A. DC.)*
BAN-02	839	593560.4108	8914171.161	23.523	0.043	14.892	*Xylopia brasiliensis*
BAN-02	840	593561.9108	8914170.661	2.833	0.001	12.120	*Pouteria ramiflora (Mart.) Radlk.*
BAN-02	849	593556.9108	8914183.161	34.377	0.093	11.740	*Brosimum gaudichaudii Trecul*
BAN-02	852	593557.4108	8914193.161	23.555	0.044	16.350	*Brosimum guianense (Aubl.) Huber*
BAN-02	860	593566.4108	8914183.661	10.568	0.009	3.390	*Mouriri apiranga Spruce ex Triana*

BAN-02	862	593569.4108	8914193.161	19.130	0.029	12.164	*Xylopia brasiliensis*
BAN-02	872	593577.9108	8914188.661	32.468	0.083	4.080	*Buchenavia congesta Ducke*
BAN-02	880	593586.4108	8914189.161	13.114	0.014	11.200	*Inga laurina (Sw.) Willd*
BAN-02	888	593588.9108	8914183.361	11.141	0.010	8.690	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	895	593580.6108	8914171.161	21.359	0.036	13.004	*Pouteria macrophylla (A.DC)*
BAN-02	898	593581.6108	8914172.161	35.905	0.101	38.888	*Micropholis guyanensis (A. DC.)*
BAN-02	903	593581.4108	8914180.161	10.186	0.008	7.066	*Brosimum guianense (Aubl.)*
BAN-02	908	593574.4108	8914160.661	30.812	0.075	10.695	*Pouteria ramiflora (Mart.) Radlk.*
BAN-02	910	593571.9108	8914160.161	19.035	0.028	13.440	*Xylopia calophylla R.E. Fr.*
BAN-02	912	593571.9108	8914158.661	10.823	0.009	2.650	*Mouriri apiranga Spruce ex Triana*
BAN-02	920	593576.4108	8914148.661	10.886	0.009	13.650	*Xylopia brasiliensis*
BAN-02	937	593589.4108	8914136.661	37.561	0.111	19.500	*Micropholis guyanensis (A. DC.)*
BAN-02	943	593585.4108	8914139.161	19.449	0.030	13.590	*Licania egleri Prance*
BAN-02	944	593580.4108	8914124.661	22.600	0.040	17.153	*Hymenolobium petraeum*
BAN-02	957	593579.4108	8914118.161	10.823	0.009	10.560	*Brosimum guianense (Aubl.)*
BAN-02	964	593579.4108	8914112.661	21.709	0.037	13.920	*Licania pallida Spruce ex Sagot*
BAN-02	970	593587.4108	8914122.161	21.581	0.037	19.008	*Cynometra bauhiniifolia*
BAN-02	981	593596.4108	8914115.661	26.070	0.053	13.080	*Discocarpus brasiliensis*
BAN-02	983	593600.4108	8914118.161	12.096	0.011	15.260	*Loreya spruceana Benth. ex Triana*
BAN-02	986	593600.4108	8914113.161	24.128	0.046	20.189	*Brosimum gaudichaudii Trecul*
BAN-02	1002	593609.9108	8914129.661	9.549	0.007	4.444	*Discocarpus brasiliensis*
BAN-02	1004	593606.4108	8914139.161	39.184	0.121	17.160	*Micropholis guyanensis (A. DC.)*
BAN-02	1007	593606.4108	8914133.161	22.345	0.039	8.063	*Brosimum gaudichaudii Trecul*
BAN-02	1009	593606.9108	8914124.161	24.128	0.046	12.540	*Brosimum gaudichaudii Trecul*
BAN-02	1035	593606.4108	8914148.161	32.149	0.081	12.600	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1036	593607.4108	8914152.161	21.040	0.035	12.870	*Brosimum gaudichaudii Trecul*
BAN-02	1040	593605.4108	8914164.161	41.953	0.138	18.760	*Micropholis guyanensis (A. DC.)*
BAN-02	1062	593593.4108	8914169.161	19.481	0.030	17.400	*Sloanea nitida G. Don*
BAN-02	1069	593592.4108	8914172.161	19.767	0.031	10.880	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1073	593592.4108	8914200.161	31.449	0.078	10.800	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1074	593593.4108	8914202.161	22.027	0.038	11.660	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1079	593606.4108	8914198.161	25.465	0.051	19.022	*Xylopia brasiliensis*
BAN-02	1084	593604.4108	8914184.161	10.441	0.009	3.203	*Mouriri apiranga Spruce ex Triana*
BAN-02	1102	593619.4108	8914191.161	10.854	0.009	9.130	*Handroanthus serratifolius*
BAN-02	1107	593621.4108	8914199.161	17.794	0.025	6.650	*Brosimum gaudichaudii Trecul*
BAN-02	1110	593625.4108	8914200.161	26.165	0.054	13.726	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1112	593627.4108	8914197.161	20.690	0.034	8.370	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1121	593629.4108	8914166.161	21.995	0.038	8.370	*Licania sprucei (Hook.f.) Fritsch.*
BAN-02	1125	593617.4108	8914179.161	10.791	0.009	10.157	*Mouriri apiranga Spruce ex Triana*
BAN-02	1130	593615.4108	8914173.161	24.255	0.046	16.080	*Xylopia brasiliensis*
BAN-02	1143	593618.4108	8914148.161	18.748	0.028	13.224	*Brosimum gaudichaudii Trecul*
BAN-02	1148	593619.4108	8914152.161	10.250	0.008	8.999	*Loreya spruceana Benth. ex Triana*
BAN-02	1154	593617.4108	8914156.161	18.844	0.028	36.800	*Micropholis guyanensis (A. DC.)*

BAN-02	1161	593627.4108	8914139.161	17.125	0.023	15.340	*Brosimum guianense (Aubl.) Huber*
BAN-02	1167	593624.4108	8914123.661	11.173	0.010	7.620	*Brosimum gaudichaudii Trecul*
BAN-02	1174	593617.4108	8914131.161	23.173	0.042	16.250	*Xylopia brasiliensis*
BAN-02	1175	593611.4108	8914128.161	35.078	0.097	8.522	*Micropholis guyanensis (A. DC.)*
BAN-02	1193	593621.4108	8914117.161	10.441	0.009	10.818	*Discocarpus brasiliensis*
BAN-02	1197	593627.4108	8914119.161	24.892	0.049	9.900	*Duroia velutina*
BAN-02	1198	593629.4108	8914118.161	20.977	0.035	8.872	*Brosimum gaudichaudii Trecul*
BAN-02	1200	593631.4108	8914113.161	36.669	0.106	12.322	*Duroia velutina*
BAN-02	1209	593638.4108	8914119.161	22.282	0.039	16.263	*Micropholis guyanensis (A. DC.)*
BAN-02	1216	593645.4108	8914111.161	17.571	0.024	8.181	*Discocarpus brasiliensis*
BAN-02	1224	593650.4108	8914121.161	18.844	0.028	13.480	*Brosimum gaudichaudii Trecul*
BAN-02	1231	593649.4108	8914133.161	26.706	0.056	10.200	*Brosimum gaudichaudii Trecul*
BAN-02	1239	593646.4108	8914141.161	10.186	0.008	7.800	*Micropholis guyanensis (A. DC.)*
BAN-02	1249	593648.4108	8914125.161	29.348	0.068	17.700	*Micropholis cylindrocarpa*
BAN-02	1276	593647.4108	8914152.161	10.186	0.008	5.050	*Loreya spruceana Benth. ex Triana*
BAN-02	1277	593650.4108	8914152.161	15.979	0.020	6.300	*Discocarpus brasiliensis*
BAN-02	1279	593647.4108	8914163.161	22.982	0.041	14.568	*Licania hypoleuca Benth*
BAN-02	1285	593650.4108	8914172.161	10.504	0.009	8.800	*Brosimum gaudichaudii Trecul*
BAN-02	1287	593647.4108	8914175.161	23.300	0.043	12.355	*Xylopia brasiliensis*
BAN-02	1288	593646.4108	8914174.161	18.748	0.028	9.427	*Duroia velutina*
BAN-02	1320	593636.4108	8914198.161	33.041	0.086	8.634	*Mouriri apiranga Spruce ex Triana*
BAN-02	1334	593649.4108	8914195.161	17.571	0.024	10.872	*Inga laurina (Sw.) Willd*
BAN-02	1336	593648.4108	8914199.161	16.234	0.021	12.300	*Inga laurina (Sw.) Willd*
BAN-02	1337	593649.4108	8914201.161	11.427	0.010	12.239	*Micropholis guyanensis (A. DC.)*

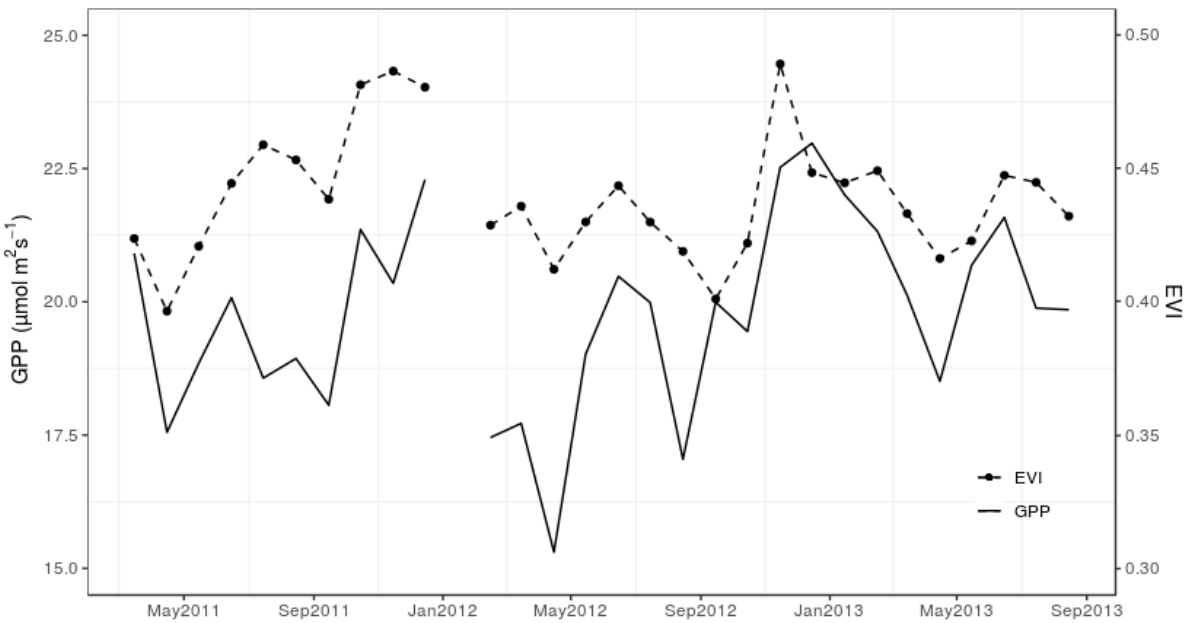

Figure S6. Monthly GPP and EVI from May 2011 to September 2013.

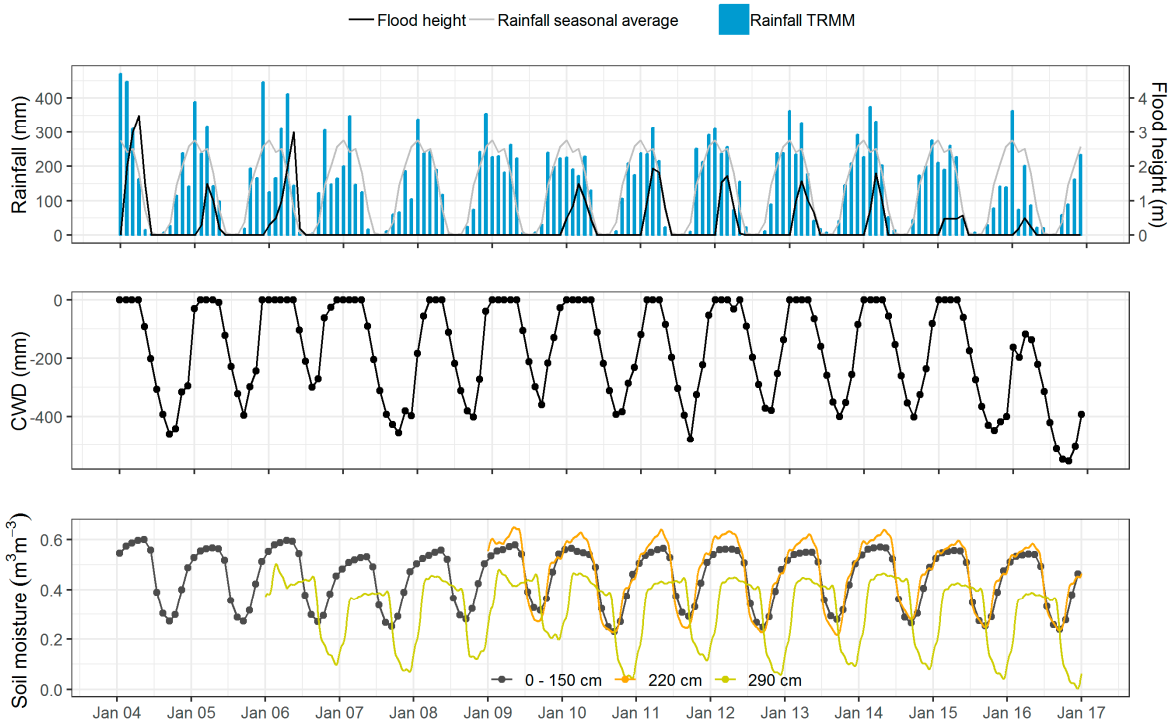

Figure S7. A) Monthly rainfall estimated from the Tropical Rainfall Measuring Mission (TRMM) and flood height measured at the base of the flux tower. B) Climatological Water Deficit from 2004 to 2017, calculated with TRMM. C) Average monthly soil moisture (volume of water per bulk volume of soil) for depths ranging from 0-150cm (Clay layers), and for the 200cm (Clay layer) and 290 cm layers (Sand layer).

Table S3. Mean annual data.

Month	Rainfall	ET[1]	CWD[2]	VPD[3]	10cm[4]	20cm[4]	40cm[4]	80cm[4]	150cm[4]	220cm[4]	293cm[4]	Rn[5]	Ta[6]	GPP[7]	EVI[8]
January	284	127	-24.5	0.723	0.443	0.525	0.530	0.548	0.543	0.445	0.360	285	26.4	22.01	0.449
February	247	112	-12	0.668	0.474	0.550	0.570	0.569	0.567	0.480	0.433	266	26	19.39	0.434
March	259	123	-14.2	0.643	0.494	0.559	0.586	0.585	0.590	0.534	0.441	273	26.5	19.59	0.424
April	193	109	-57.8	0.77	0.503	0.566	0.592	0.591	0.602	0.554	0.441	251	27	17.12	0.412
May	83.9	110	-164	1.07	0.492	0.568	0.589	0.599	0.606	0.585	0.433	259	27.7	19.52	0.418
June	6.99	116	-270	1.44	0.436	0.525	0.489	0.599	0.604	0.524	0.427	276	27.7	20.71	0.428
July	1.34	108	-360	1.7	0.367	0.357	0.314	0.588	0.599	0.328	0.423	293	27.8	19.48	0.433
August	3.26	95.7	-417	2.31	0.346	0.291	0.259	0.507	0.551	0.331	0.425	314	29.3	18.61	0.422
September	38.2	95.6	-367	2.13	0.335	0.268	0.232	0.448	0.500	0.262	0.332	305	29.9	19.03	0.411
October	149	97.8	-281	1.21	0.342	0.302	0.280	0.442	0.495	0.291	0.215	289	28.1	20.40	0.432
November	197	114	-162	0.909	0.384	0.416	0.384	0.462	0.490	0.346	0.207	293	27	21.44	0.453
December	238	122	-58.7	0.754	0.414	0.495	0.466	0.530	0.527	0.400	0.215	282	26.5	22.63	0.461

Rainfall (2004 – 2016); [1]ET= Evapotranspiration (2004 – 2014); [2]CWD = Cumulative water deficit (2004 - 2016); [3]VPD = vapour pressure deficit (2004 - 2014); [4]Mean volumetric soil moisture at six depths (2004 – 2016); [5]Rn = Net radiation (2004 – 2016); [6]Ta = Air temperature (2004 – 2016); [7]GPP = Gross primary production (2011 – 2013); [8]EVI = Enhanced Vegetation Index (2004 – 2016).

Table S4. Daily data used to correlate GPP, climatic variables, and EVI from 2011 to 2013.

Year	doy	Periods	VPD	Net	Ta	ET	20cm	40cm	80 cm	150 cm	220 cm	290 cm	Rainfall	Theta	GPP
2011	66	flooded	0.8	317.0	25.6	3.2	0.553	0.582	0.564	0.608	0.579	0.432	14.1	0.6	23.7
2011	67	flooded	1.2	367.8	26.9	3.5	0.553	0.584	0.564	0.608	0.579	0.432	0.0	0.6	22.3
2011	68	flooded	1.6	392.1	29.3	4.0	0.553	0.585	0.564	0.609	0.580	0.432	0.0	0.6	22.4
2011	69	flooded	1.0	295.2	27.5	3.0	0.553	0.586	0.564	0.609	0.582	0.432	0.0	0.6	17.5
2011	70	flooded	0.7	286.5	25.3	2.8	0.553	0.587	0.564	0.609	0.583	0.432	2.9	0.6	23.6
2011	71	flooded	0.5	233.6	24.7	2.7	0.553	0.589	0.564	0.609	0.584	0.432	5.1	0.6	20.6
2011	72	flooded	0.7	227.9	25.1	2.7	0.553	0.590	0.564	0.609	0.584	0.432	0.0	0.6	19.2
2011	73	flooded	0.7	262.9	25.4	2.9	0.553	0.591	0.564	0.609	0.585	0.432	0.5	0.6	21.7
2011	74	flooded	0.7	268.6	25.7	3.1	0.553	0.592	0.564	0.610	0.586	0.433	6.7	0.6	21.3
2011	75	flooded	0.8	316.7	26.4	3.5	0.553	0.593	0.564	0.610	0.586	0.433	4.5	0.6	21.9
2011	76	flooded	1.0	287.6	27.3	2.7	0.553	0.594	0.564	0.610	0.587	0.433	0.7	0.6	23.6
2011	77	flooded	0.6	202.8	26.2	2.1	0.553	0.595	0.564	0.610	0.588	0.433	0.0	0.6	21.1
2011	78	flooded	1.0	304.6	26.9	3.0	0.553	0.596	0.564	0.610	0.588	0.433	5.8	0.6	19.8
2011	79	flooded	1.1	319.9	27.5	3.7	0.553	0.597	0.565	0.611	0.589	0.433	0.5	0.6	23.1
2011	80	flooded	0.6	209.5	24.8	3.4	0.553	0.597	0.564	0.611	0.590	0.433	39.1	0.6	20.5
2011	81	flooded	0.7	256.3	25.0	2.6	0.553	0.598	0.564	0.611	0.591	0.433	0.0	0.6	19.5
2011	82	flooded	0.4	138.2	23.6	1.9	0.553	0.599	0.565	0.611	0.592	0.433	30.5	0.6	15.9
2011	83	flooded	1.2	346.8	27.6	4.2	0.553	0.600	0.565	0.611	0.592	0.433	0.0	0.6	18.2
2011	84	flooded	1.6	351.0	29.6	3.4	0.553	0.600	0.565	0.611	0.595	0.433	0.0	0.6	20.7
2011	85	flooded	0.5	155.5	24.6	4.1	0.553	0.601	0.565	0.611	0.596	0.434	85.6	0.6	20.4
2011	86	flooded	0.5	138.0	23.6	2.3	0.554	0.604	0.565	0.611	0.598	0.434	0.7	0.6	19.7
2011	87	flooded	1.2	373.6	27.5	3.9	0.554	0.607	0.565	0.611	0.599	0.434	0.0	0.6	21.4
2011	88	flooded	0.9	291.6	26.7	4.4	0.554	0.609	0.566	0.611	0.599	0.435	0.0	0.6	24.0
2011	89	flooded	1.0	321.8	25.9	3.4	0.555	0.611	0.566	0.612	0.601	0.435	0.0	0.6	18.0
2011	90	flooded	0.8	333.0	26.2	3.5	0.555	0.612	0.566	0.612	0.602	0.435	0.5	0.6	22.6
2011	91	flooded	0.7	223.0	25.7	2.9	0.555	0.613	0.566	0.612	0.603	0.435	2.7	0.6	21.0
2011	92	flooded	1.2	344.2	27.7	3.4	0.555	0.615	0.566	0.612	0.604	0.435	0.0	0.6	17.9
2011	93	flooded	1.3	350.8	28.2	3.6	0.556	0.616	0.566	0.612	0.605	0.435	0.0	0.6	17.6
2011	94	flooded	0.8	203.4	26.1	2.8	0.556	0.617	0.566	0.612	0.606	0.435	1.6	0.6	17.0
2011	95	flooded	1.2	336.3	27.8	3.6	0.556	0.618	0.566	0.612	0.607	0.435	0.0	0.6	21.3
2011	96	flooded	0.8	265.2	25.3	4.0	0.557	0.619	0.566	0.612	0.608	0.436	47.5	0.6	23.1
2011	97	flooded	0.8	232.9	26.7	3.1	0.557	0.620	0.566	0.612	0.609	0.436	0.0	0.6	16.1
2011	98	flooded	0.4	113.6	23.1	2.5	0.557	0.622	0.566	0.616	0.610	0.436	18.8	0.6	15.0
2011	99	flooded	0.9	242.6	26.6	3.2	0.558	0.623	0.566	0.615	0.611	0.436	0.0	0.6	18.0
2011	100	flooded	0.4	139.9	23.8	2.6	0.558	0.624	0.567	0.618	0.614	0.436	13.8	0.6	18.3
2011	101	flooded	1.1	317.0	27.0	3.4	0.558	0.625	0.567	0.616	0.612	0.436	0.0	0.6	18.0
2011	102	flooded	0.9	252.8	25.9	2.9	0.559	0.626	0.567	0.613	0.613	0.436	2.0	0.6	19.3
2011	103	flooded	0.9	255.3	27.1	3.6	0.559	0.627	0.567	0.613	0.614	0.437	8.9	0.6	19.3
2011	104	flooded	0.6	194.2	24.9	1.9	0.559	0.628	0.567	0.613	0.613	0.437	22.0	0.6	16.3
2011	105	flooded	1.1	292.3	27.7	3.1	0.560	0.628	0.567	0.613	0.614	0.437	0.0	0.6	18.2
2011	106	flooded	0.6	349.8	29.5	0.8	0.560	0.629	0.567	0.613	0.615	0.437	0.0	0.6	9.0

2011	107	flooded	2.4	326.8	29.5	2.0	0.560	0.629	0.567	0.613	0.616	0.437	0.0	0.6	13.5
2011	108	flooded	0.4	137.5	24.4	2.8	0.561	0.630	0.567	0.613	0.617	0.437	9.4	0.6	18.0
2011	109	flooded	1.2	300.7	27.7	4.1	0.561	0.631	0.567	0.614	0.617	0.437	0.0	0.6	15.6
2011	110	flooded	0.5	170.0	24.0	2.9	0.562	0.631	0.567	0.615	0.618	0.437	13.0	0.6	18.5
2011	111	flooded	1.2	329.5	27.1	4.1	0.561	0.632	0.567	0.616	0.619	0.437	0.0	0.6	20.4
2011	112	flooded	1.0	276.6	26.9	3.2	0.562	0.632	0.567	0.613	0.620	0.437	1.4	0.6	18.1
2011	113	flooded	0.5	192.0	24.8	2.6	0.562	0.633	0.567	0.613	0.620	0.437	14.5	0.6	13.8
2011	114	flooded	0.6	156.6	24.5	2.7	0.562	0.633	0.567	0.613	0.621	0.438	20.1	0.6	15.1
2011	115	flooded	0.4	122.9	23.9	1.8	0.563	0.634	0.567	0.614	0.622	0.438	2.7	0.6	15.9
2011	116	flooded	0.6	178.6	25.2	2.5	0.563	0.634	0.567	0.614	0.622	0.437	0.0	0.6	16.0
2011	117	flooded	0.8	219.2	26.0	3.3	0.563	0.634	0.567	0.614	0.623	0.437	0.0	0.6	20.3
2011	118	flooded	0.9	266.1	26.4	3.4	0.563	0.635	0.567	0.614	0.623	0.437	0.0	0.6	19.1
2011	119	flooded	1.3	288.7	27.6	4.2	0.564	0.635	0.567	0.614	0.624	0.437	0.0	0.6	19.3
2011	120	flooded	1.7	291.1	29.3	3.7	0.564	0.635	0.566	0.614	0.624	0.437	0.0	0.6	17.4
2011	121	flooded	1.7	316.4	29.7	4.8	0.564	0.635	0.566	0.614	0.625	0.437	0.0	0.6	19.8
2011	122	flooded	1.8	288.8	30.2	3.7	0.564	0.635	0.566	0.614	0.625	0.437	0.0	0.6	16.7
2011	123	flooded	1.6	295.9	29.8	3.9	0.564	0.635	0.566	0.614	0.625	0.437	0.0	0.6	15.6
2011	124	flooded	0.9	212.2	27.3	2.8	0.565	0.635	0.566	0.614	0.626	0.437	0.0	0.6	21.3
2011	125	flooded	0.9	195.2	27.6	2.5	0.565	0.635	0.566	0.614	0.626	0.436	4.5	0.6	20.8
2011	126	flooded	1.2	224.0	28.3	3.0	0.565	0.635	0.566	0.614	0.626	0.436	0.0	0.6	18.3
2011	127	flooded	1.0	198.2	27.9	2.5	0.565	0.636	0.566	0.614	0.627	0.435	0.0	0.6	17.2
2011	128	flooded	1.4	262.2	28.7	3.3	0.565	0.636	0.565	0.614	0.627	0.435	0.0	0.6	22.8
2011	129	flooded	1.6	247.9	28.7	4.3	0.565	0.636	0.565	0.614	0.626	0.435	0.0	0.6	17.8
2011	130	flooded	2.0	295.4	29.1	4.1	0.565	0.636	0.565	0.614	0.626	0.435	0.0	0.6	21.9
2011	131	flooded	2.0	295.0	29.8	5.6	0.565	0.636	0.564	0.614	0.626	0.434	0.0	0.6	24.0
2011	132	flooded	1.9	284.8	29.6	4.2	0.565	0.636	0.564	0.614	0.626	0.434	0.0	0.6	13.9
2011	133	flooded	1.5	220.6	28.3	3.3	0.564	0.636	0.564	0.614	0.625	0.433	0.0	0.6	19.5
2011	134	flooded	1.7	266.6	28.8	2.8	0.564	0.636	0.563	0.614	0.625	0.432	0.0	0.6	18.4
2011	135	flooded	1.7	278.2	28.7	0.8	0.564	0.636	0.563	0.614	0.625	0.432	0.0	0.6	13.5
2011	136	flooded	1.1	166.1	27.4	2.3	0.563	0.636	0.563	0.613	0.624	0.431	4.6	0.6	18.9
2011	137	flooded	0.5	108.0	25.0	2.0	0.563	0.636	0.563	0.613	0.624	0.430	4.8	0.6	15.3
2011	138	flooded	0.5	110.8	24.4	2.0	0.563	0.636	0.563	0.613	0.624	0.429	4.5	0.6	14.9
2011	139	flooded	1.0	256.2	26.5	3.0	0.563	0.636	0.563	0.613	0.623	0.429	0.0	0.6	17.9
2011	140	flooded	0.8	245.7	26.1	3.1	0.563	0.635	0.563	0.613	0.623	0.429	0.0	0.6	20.3
2011	141	flooded	1.2	219.3	27.4	2.8	0.563	0.635	0.563	0.613	0.622	0.429	0.0	0.6	21.0
2011	142	flooded	1.6	299.2	27.8	3.8	0.563	0.635	0.563	0.613	0.622	0.429	0.0	0.6	15.9
2011	143	flooded	1.9	296.2	26.8	3.8	0.563	0.634	0.563	0.612	0.622	0.428	0.0	0.6	14.4
2011	144	flooded	1.7	268.5	27.9	5.0	0.563	0.634	0.563	0.612	0.621	0.428	0.0	0.6	18.0
2011	145	flooded	1.6	285.8	28.6	3.4	0.563	0.633	0.562	0.612	0.621	0.428	0.0	0.6	22.6
2011	146	flooded	1.8	279.3	29.2	3.8	0.563	0.633	0.562	0.612	0.620	0.428	0.0	0.6	18.6
2011	147	flooded	1.8	301.3	28.5	3.8	0.563	0.632	0.563	0.611	0.620	0.428	0.0	0.6	18.2
2011	148	flooded	1.8	289.1	28.0	4.4	0.563	0.632	0.563	0.611	0.619	0.428	0.0	0.6	25.8
2011	149	flooded	2.1	290.2	28.5	3.8	0.563	0.632	0.563	0.611	0.619	0.427	0.0	0.6	19.1

2011	150	flooded	2.0	274.4	28.6	3.4	0.563	0.632	0.563	0.610	0.619	0.427	0.0	0.6	19.9
2011	151	flooded	1.9	284.1	28.6	3.8	0.563	0.631	0.562	0.610	0.619	0.427	0.0	0.6	22.0
2011	152	non-flooded	1.4	250.8	27.5	3.3	0.563	0.631	0.562	0.610	0.618	0.427	0.0	0.6	23.3
2011	153	non-flooded	1.7	260.9	28.1	3.6	0.563	0.630	0.562	0.609	0.618	0.427	0.0	0.6	20.8
2011	154	non-flooded	1.9	289.5	28.2	3.7	0.563	0.630	0.562	0.609	0.618	0.426	0.0	0.6	21.8
2011	155	non-flooded	1.8	280.3	28.0	4.0	0.563	0.629	0.562	0.609	0.618	0.426	0.0	0.6	23.9
2011	156	non-flooded	1.9	282.3	28.0	3.4	0.563	0.629	0.562	0.608	0.618	0.426	0.0	0.6	22.0
2011	157	non-flooded	1.7	278.6	28.0	3.2	0.563	0.628	0.562	0.608	0.618	0.425	0.0	0.6	28.1
2011	158	non-flooded	1.6	276.4	28.4	3.6	0.562	0.628	0.561	0.608	0.620	0.425	0.0	0.6	25.1
2011	159	non-flooded	1.5	282.4	28.0	3.3	0.563	0.629	0.561	0.608	0.619	0.425	0.0	0.6	21.0
2011	160	non-flooded	1.6	270.4	28.1	3.1	0.562	0.630	0.561	0.608	0.618	0.425	0.0	0.6	20.0
2011	161	non-flooded	1.4	266.3	27.6	3.8	0.562	0.631	0.561	0.608	0.617	0.425	0.0	0.6	18.5
2011	162	non-flooded	0.8	250.3	24.3	1.5	0.562	0.631	0.561	0.607	0.616	0.425	0.0	0.6	14.5
2011	191	non-flooded	0.7	308.0	27.6	1.1	0.397	0.270	0.498	0.588	0.334	0.422	0.0	0.4	13.6
2011	192	non-flooded	NaN	312.9	28.2	0.0	0.391	0.267	0.509	0.603	0.330	0.422	0.0	0.4	14.2
2011	193	non-flooded	NaN	316.6	28.0	0.0	0.383	0.262	0.504	0.603	0.325	0.421	0.0	0.4	13.1
2011	194	non-flooded	NaN	304.6	27.2	0.0	0.376	0.259	0.498	0.603	0.321	0.421	0.0	0.3	21.5
2011	195	non-flooded	NaN	315.4	27.4	0.0	0.369	0.256	0.493	0.602	0.317	0.420	0.0	0.3	21.6
2011	196	non-flooded	NaN	321.3	27.8	0.0	0.362	0.253	0.487	0.602	0.314	0.419	0.0	0.3	17.6
2011	197	non-flooded	NaN	317.3	28.5	0.0	0.356	0.251	0.481	0.602	0.311	0.419	0.0	0.3	14.7
2011	198	non-flooded	NaN	321.3	27.8	0.0	0.351	0.249	0.475	0.601	0.308	0.419	0.0	0.3	13.7
2011	199	non-flooded	NaN	325.8	28.7	0.0	0.345	0.246	0.469	0.601	0.305	0.420	0.0	0.3	16.3
2011	200	non-flooded	NaN	331.5	29.0	0.0	0.340	0.244	0.462	0.600	0.302	0.420	0.0	0.3	16.6
2011	201	non-flooded	NaN	324.4	28.4	0.0	0.335	0.242	0.456	0.600	0.300	0.420	0.0	0.3	25.3
2011	202	non-flooded	NaN	330.3	28.6	0.0	0.331	0.240	0.449	0.599	0.297	0.419	0.0	0.3	26.0
2011	203	non-flooded	NaN	341.8	28.3	0.0	0.327	0.238	0.442	0.598	0.295	0.419	0.0	0.3	19.4
2011	204	non-flooded	NaN	341.5	28.0	0.0	0.324	0.236	0.436	0.597	0.293	0.419	0.0	0.3	17.7
2011	205	non-flooded	NaN	340.1	27.4	0.0	0.320	0.235	0.429	0.597	0.291	0.420	0.0	0.3	17.8
2011	206	non-flooded	NaN	348.3	26.8	0.0	0.317	0.233	0.422	0.596	0.289	0.419	0.0	0.3	16.7
2011	207	non-flooded	NaN	344.5	26.7	0.0	0.315	0.232	0.415	0.595	0.287	0.418	0.0	0.3	22.8
2011	208	non-flooded	NaN	353.1	26.9	0.0	0.312	0.230	0.409	0.594	0.286	0.418	0.0	0.3	17.0
2011	209	non-flooded	NaN	330.8	27.2	0.0	0.310	0.229	0.403	0.593	0.284	0.418	0.0	0.3	22.1
2011	210	non-flooded	NaN	321.8	28.6	0.0	0.308	0.228	0.397	0.592	0.283	0.418	0.0	0.3	22.5
2011	211	non-flooded	NaN	347.9	29.0	0.0	0.306	0.227	0.391	0.590	0.282	0.418	0.0	0.3	19.0
2011	212	non-flooded	NaN	350.5	29.1	0.0	0.305	0.226	0.385	0.589	0.280	0.419	0.0	0.3	21.2
2011	213	non-flooded	NaN	345.8	28.5	0.0	0.303	0.225	0.380	0.587	0.279	0.418	0.0	0.3	25.1
2011	214	non-flooded	NaN	349.1	29.0	0.0	0.301	0.224	0.376	0.585	0.278	0.418	0.0	0.3	20.9
2011	215	non-flooded	NaN	324.7	28.7	0.0	0.300	0.223	0.372	0.583	0.277	0.418	0.0	0.3	16.0
2011	216	non-flooded	NaN	343.0	28.1	0.0	0.299	0.222	0.368	0.581	0.276	0.418	0.0	0.3	21.0
2011	217	non-flooded	NaN	329.1	28.9	0.0	0.298	0.221	0.365	0.578	0.274	0.417	0.0	0.3	14.4
2011	218	non-flooded	3.3	306.1	28.9	0.0	0.297	0.220	0.362	0.575	0.273	0.417	0.0	0.3	13.1
2011	219	non-flooded	2.4	349.6	29.0	3.4	0.295	0.219	0.359	0.572	0.272	0.418	0.0	0.3	20.2
2011	220	non-flooded	2.7	360.7	29.8	4.2	0.294	0.218	0.356	0.569	0.271	0.418	0.0	0.3	18.1

2011	221	non-flooded	2.8	363.6	29.3	3.8	0.293	0.217	0.353	0.565	0.269	0.418	0.0	0.3	21.7
2011	222	non-flooded	2.8	358.7	29.2	3.3	0.291	0.216	0.351	0.562	0.268	0.417	0.0	0.3	19.1
2011	223	non-flooded	2.8	362.5	29.7	3.3	0.290	0.214	0.349	0.558	0.267	0.416	0.0	0.3	21.1
2011	224	non-flooded	2.3	348.6	29.3	3.5	0.289	0.213	0.347	0.554	0.266	0.417	0.0	0.3	22.4
2011	225	non-flooded	2.1	351.9	28.9	3.7	0.289	0.215	0.346	0.551	0.267	0.417	0.0	0.3	20.9
2011	226	non-flooded	2.8	356.6	30.2	3.8	0.289	0.214	0.345	0.548	0.267	0.417	0.0	0.3	18.2
2011	227	non-flooded	2.8	361.7	30.1	3.9	0.288	0.213	0.344	0.544	0.265	0.417	0.0	0.3	15.4
2011	228	non-flooded	2.6	368.5	29.5	3.7	0.287	0.212	0.342	0.541	0.264	0.417	0.0	0.3	21.4
2011	229	non-flooded	2.9	373.1	29.6	3.5	0.286	0.211	0.341	0.537	0.262	0.417	0.0	0.3	18.0
2011	230	non-flooded	2.9	383.6	29.8	4.0	0.285	0.210	0.339	0.534	0.261	0.417	0.0	0.3	18.5
2011	231	non-flooded	3.2	365.7	29.7	3.1	0.283	0.208	0.337	0.531	0.259	0.417	0.0	0.3	17.9
2011	232	non-flooded	2.9	366.6	29.7	3.1	0.282	0.207	0.336	0.528	0.258	0.417	0.0	0.3	16.4
2011	233	non-flooded	2.8	379.5	29.7	3.5	0.281	0.206	0.334	0.526	0.257	0.417	0.0	0.3	20.0
2011	234	non-flooded	2.8	360.7	29.4	3.6	0.280	0.205	0.333	0.523	0.256	0.416	0.0	0.3	17.2
2011	235	non-flooded	3.2	366.8	30.6	3.5	0.279	0.204	0.331	0.520	0.255	0.416	0.0	0.3	15.2
2011	236	non-flooded	3.2	373.6	30.7	3.7	0.278	0.203	0.330	0.517	0.253	0.415	0.0	0.3	16.2
2011	237	non-flooded	3.0	354.1	31.0	3.7	0.277	0.202	0.329	0.515	0.252	0.416	0.0	0.3	19.7
2011	238	non-flooded	3.0	370.3	31.0	3.8	0.277	0.202	0.328	0.512	0.251	0.416	0.0	0.3	18.5
2011	239	non-flooded	2.5	371.5	30.0	3.3	0.276	0.200	0.327	0.510	0.250	0.416	0.0	0.3	19.3
2011	240	non-flooded	2.8	369.2	30.6	3.3	0.275	0.200	0.326	0.508	0.250	0.415	0.0	0.3	22.0
2011	241	non-flooded	3.0	360.8	30.3	3.7	0.274	0.199	0.324	0.506	0.249	0.415	0.0	0.3	21.5
2011	242	non-flooded	3.3	374.0	31.2	3.3	0.274	0.198	0.323	0.505	0.248	0.414	0.0	0.3	18.1
2011	243	non-flooded	3.4	386.1	31.7	3.7	0.273	0.197	0.322	0.503	0.247	0.414	0.0	0.3	19.8
2011	244	non-flooded	3.1	335.1	31.5	3.1	0.272	0.197	0.321	0.502	0.246	0.414	0.0	0.3	19.7
2011	245	non-flooded	2.3	357.5	30.2	3.4	0.272	0.196	0.320	0.501	0.245	0.414	0.0	0.3	20.6
2011	246	non-flooded	2.6	384.0	30.1	2.2	0.271	0.195	0.320	0.499	0.244	0.414	0.0	0.3	14.2
2011	247	non-flooded	3.1	383.8	30.4	3.5	0.270	0.194	0.319	0.498	0.243	0.414	0.0	0.3	22.4
2011	248	non-flooded	3.3	398.1	30.9	3.2	0.270	0.193	0.318	0.497	0.242	0.415	0.0	0.3	16.3
2011	249	non-flooded	3.4	381.3	30.7	3.5	0.269	0.193	0.317	0.496	0.241	0.414	0.0	0.3	16.4
2011	250	non-flooded	3.3	387.0	30.4	2.9	0.268	0.192	0.316	0.495	0.241	0.414	0.0	0.3	20.2
2011	251	non-flooded	3.3	379.1	30.9	3.0	0.267	0.192	0.315	0.494	0.240	0.414	0.0	0.3	14.2
2011	252	non-flooded	3.4	386.0	31.4	3.3	0.267	0.191	0.314	0.493	0.239	0.413	0.0	0.3	17.7
2011	253	non-flooded	3.1	372.9	31.3	3.3	0.267	0.191	0.314	0.493	0.239	0.412	0.0	0.3	19.3
2011	254	non-flooded	3.4	382.1	31.9	2.6	0.266	0.190	0.313	0.491	0.238	0.411	0.0	0.3	15.1
2011	255	non-flooded	2.9	346.9	30.7	2.6	0.266	0.190	0.312	0.490	0.237	0.408	0.0	0.3	19.3
2011	256	non-flooded	2.6	353.9	30.5	2.8	0.265	0.189	0.312	0.489	0.237	0.402	0.0	0.3	22.5
2011	257	non-flooded	2.3	331.0	29.8	2.6	0.265	0.189	0.311	0.489	0.237	0.390	0.0	0.3	20.8
2011	258	non-flooded	2.4	354.7	29.7	2.5	0.265	0.189	0.311	0.488	0.236	0.372	0.0	0.3	21.3
2011	259	non-flooded	3.2	396.3	30.1	3.0	0.264	0.188	0.310	0.487	0.236	0.345	0.0	0.2	19.4
2011	260	non-flooded	3.3	401.0	30.6	3.3	0.264	0.187	0.310	0.486	0.235	0.313	0.0	0.2	19.0
2011	261	non-flooded	3.3	385.4	30.8	3.2	0.263	0.186	0.309	0.485	0.234	0.284	0.0	0.2	19.0
2011	262	non-flooded	3.4	407.4	31.0	3.0	0.263	0.186	0.308	0.485	0.234	0.262	0.0	0.2	15.6
2011	263	non-flooded	3.3	406.4	30.3	2.9	0.262	0.185	0.307	0.483	0.233	0.244	0.0	0.2	17.0

2011	264	non-flooded	3.6	399.6	31.1	3.0	0.262	0.185	0.307	0.482	0.232	0.229	0.0	0.2	16.6
2011	265	non-flooded	3.8	390.6	32.4	2.8	0.261	0.185	0.306	0.481	0.232	0.217	0.0	0.2	17.2
2011	266	non-flooded	3.6	332.7	32.4	3.0	0.261	0.184	0.306	0.480	0.232	0.207	0.0	0.2	16.7
2011	267	non-flooded	3.2	375.5	32.3	2.7	0.261	0.184	0.305	0.479	0.231	0.198	0.0	0.2	18.6
2011	268	non-flooded	2.9	357.7	31.4	2.4	0.260	0.184	0.305	0.478	0.231	0.191	0.0	0.2	16.7
2011	269	non-flooded	2.2	300.6	30.3	2.2	0.260	0.184	0.305	0.477	0.231	0.184	0.0	0.2	19.3
2011	270	non-flooded	2.6	333.5	30.5	3.1	0.260	0.184	0.305	0.476	0.231	0.179	0.0	0.2	15.9
2011	271	non-flooded	2.0	179.4	28.8	1.6	0.260	0.184	0.305	0.475	0.231	0.175	0.8	0.2	16.5
2011	272	non-flooded	2.6	304.2	30.6	2.2	0.260	0.183	0.304	0.474	0.231	0.171	0.0	0.2	18.5
2011	273	non-flooded	1.2	190.1	26.4	2.1	0.260	0.198	0.304	0.474	0.287	0.167	9.5	0.3	15.9
2011	299	non-flooded	0.2	32.4	21.8	1.3	0.465	0.442	0.397	0.481	0.491	0.112	16.2	0.5	14.6
2011	308	non-flooded	NaN	70.0	26.2	0.0	0.444	0.352	0.485	0.513	0.452	0.132	5.6	0.4	21.0
2011	309	non-flooded	NaN	308.2	26.5	0.0	0.462	0.415	0.499	0.517	0.506	0.133	0.0	0.5	27.7
2011	310	non-flooded	NaN	341.1	27.2	0.0	0.466	0.404	0.503	0.517	0.496	0.133	0.0	0.5	20.6
2011	311	non-flooded	NaN	194.6	24.3	0.0	0.465	0.391	0.503	0.517	0.483	0.132	3.4	0.5	19.3
2011	312	non-flooded	NaN	90.1	22.4	0.0	0.526	0.465	0.539	0.520	0.549	0.132	18.9	0.5	15.2
2011	313	non-flooded	NaN	229.1	24.2	0.0	0.525	0.424	0.546	0.521	0.518	0.132	5.5	0.5	19.8
2011	314	non-flooded	NaN	343.2	25.2	0.0	0.509	0.405	0.548	0.521	0.500	0.132	21.7	0.5	19.3
2011	315	non-flooded	NaN	231.2	23.9	0.0	0.527	0.427	0.550	0.521	0.521	0.131	0.7	0.5	20.8
2011	316	non-flooded	NaN	276.9	26.1	0.0	0.516	0.407	0.551	0.521	0.502	0.131	0.0	0.5	19.2
2011	317	non-flooded	NaN	277.1	26.1	0.0	0.508	0.396	0.551	0.521	0.490	0.130	1.5	0.5	25.2
2011	318	non-flooded	NaN	353.5	25.9	0.0	0.501	0.384	0.552	0.521	0.479	0.130	0.0	0.5	21.8
2011	319	non-flooded	NaN	393.0	27.0	0.0	0.494	0.372	0.552	0.521	0.468	0.129	0.5	0.5	16.6
2011	320	non-flooded	NaN	361.6	27.7	0.0	0.488	0.360	0.551	0.522	0.456	0.128	0.0	0.5	16.4
2011	321	non-flooded	NaN	435.1	29.6	0.0	0.483	0.347	0.550	0.522	0.443	0.128	0.0	0.5	16.8
2011	322	non-flooded	NaN	271.3	24.9	0.0	0.478	0.358	0.550	0.523	0.475	0.127	14.7	0.5	19.9
2011	323	non-flooded	NaN	355.7	25.5	0.0	0.477	0.416	0.553	0.522	0.504	0.127	0.9	0.5	18.6
2011	324	non-flooded	NaN	378.4	28.1	0.0	0.478	0.391	0.553	0.523	0.484	0.126	0.0	0.5	23.5
2011	325	non-flooded	NaN	320.5	26.9	0.0	0.478	0.376	0.553	0.523	0.469	0.125	0.0	0.5	22.9
2011	326	non-flooded	NaN	283.2	26.1	0.0	0.476	0.365	0.551	0.523	0.458	0.125	1.0	0.5	23.7
2011	327	non-flooded	NaN	268.6	24.8	0.0	0.533	0.559	0.559	0.524	0.561	0.125	0.0	0.6	16.8
2011	328	non-flooded	NaN	323.6	27.5	0.0	0.534	0.446	0.559	0.525	0.535	0.124	0.0	0.5	22.5
2011	329	non-flooded	NaN	88.6	23.5	0.0	0.534	0.527	0.560	0.525	0.547	0.124	15.0	0.5	14.2
2011	330	non-flooded	NaN	339.8	26.1	0.0	0.538	0.510	0.561	0.526	0.565	0.123	0.0	0.5	20.7
2011	331	non-flooded	NaN	194.1	24.7	0.0	0.538	0.463	0.561	0.526	0.554	0.123	3.8	0.5	18.6
2011	332	non-flooded	NaN	239.5	26.4	0.0	0.537	0.438	0.561	0.527	0.536	0.123	1.4	0.5	27.5
2011	333	non-flooded	NaN	312.9	26.0	0.0	0.531	0.423	0.560	0.526	0.522	0.122	4.4	0.5	18.8
2011	334	non-flooded	NaN	169.3	24.0	0.0	0.539	0.461	0.561	0.527	0.550	0.122	10.5	0.5	21.8
2011	335	non-flooded	NaN	276.7	25.7	0.0	0.541	0.444	0.561	0.528	0.545	0.122	0.0	0.5	19.1
2011	336	non-flooded	NaN	391.4	27.5	0.0	0.540	0.435	0.561	0.528	0.536	0.121	0.0	0.5	22.9
2011	337	non-flooded	NaN	145.4	23.7	0.0	0.539	0.482	0.561	0.528	0.564	0.121	46.5	0.6	18.4
2011	338	non-flooded	NaN	209.9	24.3	0.0	0.540	0.588	0.562	0.529	0.582	0.120	10.6	0.6	20.9
2011	339	non-flooded	NaN	416.2	26.9	0.0	0.540	0.555	0.561	0.529	0.583	0.120	1.5	0.6	16.4

2011	340	non-flooded	NaN	246.0	26.8	0.0	0.538	0.478	0.561	0.530	0.567	0.119	0.0	0.5	29.2
2011	341	non-flooded	NaN	376.4	27.6	0.0	0.538	0.449	0.561	0.530	0.551	0.119	1.0	0.5	28.1
2011	342	non-flooded	NaN	185.8	28.1	0.0	0.535	0.431	0.560	0.530	0.536	0.118	0.0	0.5	26.9
2012	11	non-flooded	1.3	231.4	27.8	0.2	0.523	0.577	0.537	0.522	0.570	0.405	3.6	0.6	NaN
2012	13	non-flooded	0.3	35.8	22.7	0.0	0.547	0.602	0.564	0.553	0.597	0.433	13.3	0.6	NaN
2012	31	non-flooded	NaN	351.6	25.5	0.0	0.538	0.594	0.553	0.584	0.591	0.424	0.0	0.6	NaN
2012	32	flooded	NaN	317.7	25.9	0.0	0.551	0.608	0.568	0.600	0.604	0.438	0.8	0.6	NaN
2012	33	flooded	NaN	191.4	24.6	0.0	0.551	0.609	0.568	0.601	0.605	0.438	4.1	0.6	NaN
2012	34	flooded	NaN	340.5	26.8	0.0	0.552	0.610	0.568	0.602	0.605	0.438	0.7	0.6	NaN
2012	35	flooded	NaN	303.9	28.4	0.0	0.552	0.612	0.568	0.603	0.606	0.438	0.0	0.6	NaN
2012	36	flooded	NaN	384.5	29.2	0.0	0.552	0.613	0.568	0.604	0.607	0.438	0.0	0.6	NaN
2012	37	flooded	NaN	410.4	30.0	0.0	0.552	0.614	0.568	0.605	0.607	0.438	0.0	0.6	NaN
2012	38	flooded	NaN	434.0	29.6	0.0	0.552	0.615	0.568	0.605	0.609	0.438	0.0	0.6	NaN
2012	39	flooded	NaN	388.8	29.1	0.0	0.552	0.615	0.568	0.605	0.609	0.438	1.2	0.6	NaN
2012	40	flooded	NaN	370.1	26.1	0.0	0.552	0.616	0.568	0.606	0.609	0.438	1.8	0.6	NaN
2012	41	flooded	NaN	337.1	26.1	0.0	0.553	0.617	0.568	0.606	0.610	0.438	0.0	0.6	NaN
2012	42	flooded	1.1	245.9	26.9	3.0	0.553	0.618	0.568	0.607	0.611	0.438	1.1	0.6	16.1
2012	43	flooded	1.2	389.8	27.2	4.5	0.553	0.618	0.568	0.607	0.612	0.438	0.0	0.6	17.8
2012	44	flooded	0.2	87.5	21.8	2.3	0.553	0.619	0.568	0.607	0.613	0.438	27.5	0.6	8.2
2012	45	flooded	0.7	282.8	24.6	4.2	0.553	0.619	0.568	0.607	0.613	0.438	0.0	0.6	21.9
2012	46	flooded	0.5	235.3	23.2	3.2	0.553	0.620	0.569	0.608	0.614	0.438	1.9	0.6	15.9
2012	47	flooded	1.1	392.2	25.9	5.6	0.554	0.621	0.569	0.608	0.615	0.438	0.2	0.6	21.7
2012	48	flooded	1.3	399.7	27.7	5.1	0.554	0.621	0.568	0.608	0.616	0.438	1.3	0.6	22.9
2012	49	flooded	0.3	125.5	22.3	2.7	0.554	0.622	0.569	0.608	0.617	0.438	24.8	0.6	15.5
2012	50	flooded	0.7	144.8	24.8	3.9	0.554	0.622	0.569	0.608	0.618	0.438	0.0	0.6	20.7
2012	51	flooded	1.0	305.8	25.9	3.9	0.554	0.622	0.568	0.608	0.618	0.437	0.0	0.6	18.8
2012	52	flooded	0.1	25.6	20.9	2.5	0.554	0.623	0.569	0.608	0.619	0.437	17.3	0.6	10.0
2012	53	flooded	0.9	305.5	25.4	4.6	0.554	0.623	0.568	0.609	0.619	0.437	0.0	0.6	21.9
2012	54	flooded	0.9	269.8	26.3	5.1	0.554	0.624	0.568	0.609	0.620	0.437	0.0	0.6	18.8
2012	55	flooded	0.4	142.4	23.0	2.6	0.554	0.624	0.568	0.609	0.620	0.438	16.1	0.6	14.3
2012	56	flooded	1.1	364.1	26.0	4.4	0.554	0.625	0.568	0.609	0.621	0.438	0.0	0.6	18.7
2012	57	flooded	0.8	274.9	25.1	3.8	0.554	0.625	0.568	0.609	0.621	0.438	0.0	0.6	19.8
2012	58	flooded	0.6	245.8	24.3	4.1	0.554	0.625	0.568	0.609	0.622	0.438	6.3	0.6	20.1
2012	59	flooded	0.3	91.4	23.4	3.1	0.554	0.626	0.568	0.609	0.622	0.437	23.6	0.6	12.2
2012	60	flooded	0.6	226.4	24.5	3.5	0.554	0.626	0.568	0.609	0.622	0.437	0.0	0.6	16.5
2012	61	flooded	0.6	242.3	25.5	3.1	0.554	0.626	0.568	0.609	0.623	0.437	2.0	0.6	17.8
2012	62	flooded	0.9	337.4	26.1	4.1	0.554	0.626	0.568	0.609	0.623	0.437	2.0	0.6	17.6
2012	63	flooded	1.5	416.3	28.1	5.1	0.554	0.626	0.568	0.609	0.623	0.437	0.0	0.6	15.9
2012	64	flooded	1.0	328.4	26.4	5.2	0.554	0.626	0.567	0.609	0.623	0.437	15.7	0.6	19.6
2012	65	flooded	0.9	300.3	26.5	4.2	0.554	0.626	0.567	0.609	0.623	0.437	0.5	0.6	22.5
2012	66	flooded	0.4	124.3	23.5	3.5	0.554	0.627	0.567	0.609	0.623	0.437	0.0	0.6	16.2
2012	67	flooded	0.4	120.5	23.0	1.8	0.554	0.627	0.568	0.609	0.624	0.437	1.7	0.6	15.1
2012	68	flooded	NaN	341.0	25.1	0.0	0.554	0.627	0.567	0.610	0.624	0.436	0.0	0.6	18.1

2012	69	flooded	NaN	274.3	23.8	0.0	0.554	0.627	0.567	0.610	0.624	0.436	16.1	0.6	19.8
2012	70	flooded	NaN	252.7	25.1	0.0	0.554	0.627	0.567	0.610	0.624	0.436	0.0	0.6	17.6
2012	71	flooded	0.5	363.2	24.1	0.5	0.554	0.627	0.567	0.610	0.625	0.436	0.0	0.6	17.9
2012	72	flooded	NaN	367.5	29.4	0.0	0.554	0.627	0.567	0.610	0.625	0.436	0.0	0.6	18.3
2012	73	flooded	NaN	376.7	27.2	0.0	0.554	0.627	0.567	0.610	0.624	0.436	0.0	0.6	19.8
2012	74	flooded	1.8	339.6	27.1	3.2	0.554	0.627	0.567	0.610	0.624	0.435	0.0	0.6	16.6
2012	75	flooded	0.8	287.6	26.5	3.6	0.554	0.627	0.567	0.609	0.624	0.435	0.0	0.6	16.3
2012	76	flooded	1.0	310.4	27.4	3.9	0.554	0.626	0.566	0.609	0.625	0.435	0.0	0.6	15.9
2012	77	flooded	0.6	272.9	25.5	3.1	0.554	0.626	0.566	0.609	0.625	0.435	0.0	0.6	17.7
2012	78	flooded	1.0	408.3	26.5	5.0	0.555	0.626	0.566	0.609	0.624	0.435	1.5	0.6	17.4
2012	79	flooded	0.7	288.0	24.6	4.0	0.555	0.626	0.566	0.609	0.623	0.435	2.7	0.6	19.7
2012	80	flooded	0.6	296.9	24.6	4.0	0.555	0.626	0.566	0.609	0.623	0.435	1.9	0.6	17.8
2012	81	flooded	0.8	358.1	26.2	4.8	0.555	0.626	0.566	0.609	0.624	0.434	0.0	0.6	21.6
2012	82	flooded	0.9	306.3	26.5	3.6	0.555	0.626	0.566	0.609	0.625	0.434	0.0	0.6	13.4
2012	83	flooded	0.5	206.7	25.4	2.9	0.555	0.625	0.566	0.609	0.624	0.434	2.7	0.6	17.1
2012	84	flooded	1.2	391.1	27.6	5.8	0.554	0.625	0.566	0.609	0.624	0.434	0.0	0.6	19.8
2012	85	flooded	1.1	342.5	27.2	4.2	0.554	0.625	0.566	0.609	0.624	0.434	0.0	0.6	17.9
2012	86	flooded	0.8	195.7	26.1	2.7	0.554	0.624	0.566	0.609	0.625	0.433	6.0	0.6	15.7
2012	87	flooded	1.1	381.6	27.2	4.9	0.554	0.624	0.566	0.609	0.625	0.433	1.4	0.6	21.0
2012	88	flooded	1.5	395.0	29.1	4.6	0.553	0.624	0.565	0.609	0.625	0.433	0.0	0.6	14.6
2012	89	flooded	1.0	334.7	26.5	3.8	0.553	0.624	0.565	0.609	0.626	0.433	9.1	0.6	20.4
2012	90	flooded	0.9	333.6	27.1	4.1	0.554	0.624	0.565	0.609	0.626	0.433	5.4	0.6	19.8
2012	91	flooded	NaN	191.6	25.5	0.0	0.554	0.624	0.565	0.609	0.626	0.433	12.1	0.6	10.4
2012	92	flooded	NaN	340.7	25.5	0.0	0.554	0.623	0.565	0.609	0.626	0.432	0.0	0.6	7.8
2012	93	flooded	NaN	371.8	28.0	0.0	0.554	0.622	0.564	0.609	0.626	0.432	0.0	0.6	10.8
2012	94	flooded	NaN	228.1	26.5	0.0	0.554	0.621	0.564	0.609	0.625	0.431	0.0	0.6	10.7
2012	95	flooded	2.0	409.1	28.8	0.0	0.554	0.621	0.564	0.609	0.624	0.431	0.0	0.6	11.6
2012	96	flooded	1.8	374.1	30.3	4.7	0.554	0.620	0.564	0.609	0.624	0.431	0.0	0.6	24.1
2012	97	flooded	1.5	326.0	29.7	3.6	0.554	0.619	0.564	0.609	0.627	0.431	0.0	0.6	16.9
2012	98	flooded	1.6	367.3	29.6	4.9	0.554	0.617	0.564	0.608	0.626	0.430	0.0	0.6	17.3
2012	99	flooded	1.1	343.6	27.8	4.7	0.554	0.617	0.564	0.608	0.626	0.430	0.0	0.6	20.4
2012	100	flooded	0.8	286.6	26.0	4.1	0.554	0.616	0.563	0.608	0.626	0.430	2.0	0.6	20.6
2012	101	flooded	1.1	281.5	27.7	3.9	0.554	0.617	0.563	0.608	0.625	0.430	0.0	0.6	17.3
2012	102	flooded	1.0	307.9	27.1	3.3	0.554	0.616	0.563	0.608	0.625	0.430	0.0	0.6	18.8
2012	103	flooded	0.9	273.3	26.4	3.8	0.555	0.614	0.563	0.608	0.624	0.430	0.0	0.6	14.6
2012	104	flooded	1.2	350.4	28.1	4.1	0.555	0.614	0.563	0.608	0.624	0.429	0.9	0.6	15.5
2012	105	flooded	1.3	300.1	28.0	3.6	0.555	0.615	0.563	0.608	0.624	0.429	0.0	0.6	17.1
2012	106	flooded	0.9	309.8	26.7	3.6	0.555	0.616	0.563	0.608	0.624	0.429	1.8	0.6	13.2
2012	107	flooded	0.7	218.9	25.6	3.4	0.555	0.614	0.563	0.607	0.625	0.429	1.9	0.6	12.3
2012	108	flooded	1.0	294.3	26.8	3.6	0.555	0.613	0.563	0.607	0.625	0.429	0.0	0.6	14.1
2012	109	flooded	1.1	329.5	27.1	4.2	0.555	0.613	0.563	0.607	0.624	0.429	0.0	0.6	15.0
2012	110	flooded	0.7	229.9	26.6	2.8	0.555	0.615	0.562	0.607	0.626	0.429	0.9	0.6	14.8
2012	111	flooded	1.2	347.7	27.5	4.6	0.555	0.614	0.562	0.607	0.625	0.428	0.0	0.6	13.9

2012	112	flooded	1.2	332.5	28.2	3.8	0.555	0.613	0.562	0.607	0.625	0.428	0.0	0.6	13.1
2012	113	flooded	1.2	276.2	27.2	3.2	0.556	0.612	0.562	0.607	0.625	0.428	13.4	0.6	19.7
2012	114	flooded	1.0	287.0	27.7	4.0	0.556	0.612	0.562	0.607	0.625	0.428	6.8	0.6	16.9
2012	115	flooded	0.4	137.2	23.9	2.4	0.556	0.611	0.562	0.607	0.625	0.428	2.7	0.6	16.2
2012	116	flooded	1.0	330.1	25.8	3.8	0.556	0.610	0.562	0.607	0.624	0.427	0.0	0.6	18.3
2012	117	flooded	1.2	304.6	28.3	4.0	0.556	0.611	0.562	0.607	0.625	0.427	0.0	0.6	14.2
2012	118	flooded	1.5	320.9	29.2	3.2	0.556	0.611	0.562	0.606	0.625	0.427	0.0	0.6	11.1
2012	119	flooded	1.6	357.4	29.8	4.4	0.556	0.610	0.562	0.606	0.625	0.427	0.0	0.6	15.1
2012	120	flooded	1.6	345.1	29.9	4.1	0.555	0.608	0.562	0.606	0.625	0.427	0.0	0.6	15.7
2012	121	flooded	1.5	305.9	29.5	3.3	0.556	0.612	0.562	0.606	0.625	0.427	0.0	0.6	12.2
2012	122	flooded	1.3	314.7	28.3	3.5	0.556	0.612	0.562	0.606	0.626	0.427	0.0	0.6	12.6
2012	123	flooded	1.5	327.7	28.6	4.3	0.556	0.610	0.562	0.606	0.626	0.426	0.0	0.6	18.7
2012	124	flooded	1.5	347.2	28.9	4.8	0.556	0.610	0.561	0.605	0.626	0.426	0.0	0.6	17.0
2012	125	flooded	1.7	335.3	28.4	4.6	0.555	0.610	0.561	0.606	0.625	0.426	0.0	0.6	18.3
2012	126	flooded	1.8	337.9	28.5	4.9	0.555	0.610	0.561	0.606	0.625	0.426	0.0	0.6	18.5
2012	127	flooded	1.8	339.3	28.7	4.7	0.557	0.611	0.562	0.606	0.624	0.425	0.0	0.6	19.9
2012	128	flooded	2.0	343.8	29.3	4.8	0.556	0.612	0.562	0.605	0.624	0.425	0.0	0.6	22.3
2012	129	flooded	2.0	339.5	29.1	4.7	0.557	0.614	0.562	0.605	0.626	0.425	0.0	0.6	21.8
2012	130	flooded	1.8	313.8	28.9	4.3	0.556	0.613	0.562	0.605	0.625	0.425	0.0	0.6	19.9
2012	131	flooded	1.6	321.5	28.8	4.2	0.556	0.600	0.562	0.605	0.624	0.425	0.0	0.6	16.4
2012	132	flooded	1.6	337.4	29.1	4.7	0.556	0.552	0.562	0.605	0.621	0.425	0.0	0.6	21.4
2012	133	flooded	1.7	320.5	29.4	3.8	0.556	0.509	0.562	0.605	0.611	0.425	0.0	0.6	20.5
2012	134	flooded	1.4	299.7	28.8	3.5	0.556	0.482	0.562	0.605	0.593	0.425	0.0	0.6	22.8
2012	135	flooded	1.2	311.4	27.5	3.8	0.556	0.468	0.562	0.605	0.573	0.425	0.0	0.6	21.2
2012	136	flooded	0.9	275.3	26.2	3.5	0.558	0.473	0.563	0.605	0.573	0.425	1.6	0.6	21.1
2012	137	flooded	1.0	255.6	26.4	2.5	0.557	0.464	0.562	0.605	0.564	0.425	0.0	0.6	21.6
2012	138	flooded	0.9	224.9	26.7	2.7	0.554	0.456	0.562	0.605	0.555	0.425	0.0	0.6	20.0
2012	139	flooded	0.8	255.4	25.3	3.3	0.561	0.598	0.564	0.605	0.597	0.425	17.5	0.6	17.8
2012	140	flooded	0.6	185.5	24.7	3.0	0.561	0.601	0.564	0.605	0.599	0.426	0.0	0.6	18.9
2012	141	flooded	0.9	221.4	25.8	3.0	0.561	0.600	0.564	0.605	0.598	0.426	0.0	0.6	17.9
2012	142	flooded	1.4	321.2	27.5	4.0	0.561	0.563	0.564	0.605	0.596	0.426	0.0	0.6	17.7
2012	143	flooded	1.5	309.0	27.8	4.4	0.560	0.513	0.564	0.605	0.587	0.425	0.0	0.6	17.9
2012	144	flooded	1.5	331.8	27.6	5.3	0.560	0.486	0.563	0.605	0.580	0.425	0.0	0.6	20.3
2012	145	flooded	1.4	277.2	28.0	3.6	0.560	0.469	0.563	0.605	0.566	0.425	0.0	0.6	23.0
2012	146	flooded	0.9	239.2	26.5	3.3	0.559	0.459	0.563	0.605	0.556	0.425	6.7	0.6	15.7
2012	147	flooded	0.8	299.7	25.8	3.6	0.555	0.452	0.563	0.605	0.548	0.425	4.5	0.6	21.4
2012	148	flooded	0.8	264.0	25.3	3.5	0.557	0.475	0.563	0.605	0.553	0.425	0.9	0.6	18.4
2012	149	flooded	0.6	219.9	23.5	2.8	0.566	0.594	0.565	0.606	0.592	0.427	4.9	0.6	20.4
2012	150	flooded	1.2	329.9	26.9	3.8	0.565	0.594	0.565	0.606	0.591	0.427	0.0	0.6	18.5
2012	151	flooded	0.3	294.5	23.0	0.3	0.564	0.581	0.565	0.606	0.590	0.426	0.0	0.6	12.5
2012	152	flooded	NaN	266.5	NaN	0.0	0.564	0.520	0.564	0.606	0.585	0.426	0.0	0.6	15.3
2012	153	non-flooded	NaN	270.0	NaN	0.0	0.563	0.489	0.564	0.605	0.578	0.425	0.0	0.6	16.4
2012	154	non-flooded	NaN	278.6	NaN	0.0	0.563	0.472	0.564	0.605	0.567	0.425	0.0	0.6	22.2

2012	155	non-flooded	NaN	277.9	NaN	0.0	0.561	0.460	0.563	0.605	0.555	0.425	0.1	0.6	19.0
2012	156	non-flooded	NaN	232.4	NaN	0.0	0.564	0.481	0.564	0.605	0.569	0.425	2.9	0.6	24.0
2012	157	non-flooded	NaN	283.2	NaN	0.0	0.564	0.503	0.564	0.606	0.583	0.425	0.0	0.6	20.2
2012	158	non-flooded	NaN	285.6	NaN	0.0	0.564	0.479	0.564	0.605	0.574	0.426	0.0	0.6	21.2
2012	159	non-flooded	NaN	266.1	NaN	0.0	0.563	0.467	0.564	0.605	0.562	0.426	0.0	0.6	19.2
2012	160	non-flooded	NaN	287.4	NaN	0.0	0.559	0.457	0.563	0.605	0.551	0.426	0.0	0.6	18.4
2012	161	non-flooded	NaN	284.2	NaN	0.0	0.554	0.449	0.563	0.605	0.542	0.425	0.0	0.5	21.8
2012	162	non-flooded	NaN	278.7	NaN	0.0	0.546	0.440	0.562	0.605	0.535	0.425	0.0	0.5	18.7
2012	163	non-flooded	NaN	286.6	NaN	0.0	0.536	0.431	0.562	0.605	0.526	0.425	0.0	0.5	18.5
2012	164	non-flooded	NaN	277.3	NaN	0.0	0.526	0.420	0.562	0.605	0.516	0.424	0.0	0.5	16.4
2012	165	non-flooded	NaN	279.0	NaN	0.0	0.518	0.409	0.561	0.605	0.506	0.424	0.0	0.5	23.1
2012	166	non-flooded	NaN	274.5	NaN	0.0	0.512	0.398	0.561	0.605	0.496	0.425	0.0	0.5	26.7
2012	167	non-flooded	NaN	282.1	NaN	0.0	0.507	0.387	0.561	0.604	0.485	0.424	0.0	0.5	19.4
2012	168	non-flooded	NaN	273.9	NaN	0.0	0.502	0.375	0.561	0.604	0.473	0.424	0.0	0.5	21.4
2012	169	non-flooded	NaN	267.2	NaN	0.0	0.497	0.364	0.561	0.605	0.461	0.424	0.0	0.5	24.8
2012	170	non-flooded	NaN	282.2	NaN	0.0	0.492	0.353	0.560	0.605	0.448	0.423	0.0	0.5	20.2
2012	171	non-flooded	NaN	243.1	NaN	0.0	0.486	0.344	0.558	0.604	0.436	0.423	0.0	0.5	20.6
2012	172	non-flooded	NaN	262.3	NaN	0.0	0.481	0.335	0.555	0.604	0.425	0.423	0.0	0.5	20.7
2012	173	non-flooded	NaN	281.0	NaN	0.0	0.475	0.327	0.552	0.604	0.414	0.422	0.0	0.4	18.9
2012	174	non-flooded	NaN	271.4	NaN	0.0	0.468	0.319	0.549	0.604	0.404	0.422	0.0	0.4	24.2
2012	175	non-flooded	NaN	263.6	NaN	0.0	0.462	0.312	0.546	0.605	0.395	0.422	0.0	0.4	17.4
2012	176	non-flooded	NaN	244.8	NaN	0.0	0.457	0.307	0.543	0.605	0.389	0.422	0.0	0.4	20.1
2012	177	non-flooded	NaN	252.5	NaN	0.0	0.452	0.303	0.540	0.605	0.387	0.422	0.0	0.4	20.3
2012	178	non-flooded	NaN	280.6	NaN	0.0	0.446	0.300	0.537	0.605	0.382	0.421	0.0	0.4	21.4
2012	179	non-flooded	NaN	274.8	NaN	0.0	0.439	0.294	0.534	0.605	0.374	0.421	0.0	0.4	21.3
2012	180	non-flooded	NaN	270.5	NaN	0.0	0.432	0.288	0.531	0.605	0.365	0.421	0.0	0.4	20.6
2012	181	non-flooded	NaN	265.7	NaN	0.0	0.425	0.283	0.527	0.605	0.357	0.420	0.0	0.4	19.4
2012	182	non-flooded	NaN	282.5	NaN	0.0	0.417	0.278	0.524	0.605	0.350	0.421	0.0	0.4	18.2
2012	183	non-flooded	NaN	282.5	NaN	0.0	0.409	0.273	0.520	0.605	0.343	0.420	0.0	0.4	22.2
2012	184	non-flooded	NaN	263.7	NaN	0.0	0.401	0.268	0.515	0.605	0.336	0.421	0.0	0.4	22.3
2012	185	non-flooded	NaN	245.2	NaN	0.0	0.392	0.264	0.511	0.605	0.330	0.421	0.0	0.4	18.0
2012	186	non-flooded	NaN	269.9	NaN	0.0	0.383	0.260	0.506	0.605	0.325	0.420	0.0	0.4	16.0
2012	187	non-flooded	NaN	269.8	NaN	0.0	0.375	0.256	0.501	0.604	0.321	0.420	0.0	0.3	16.3
2012	188	non-flooded	NaN	276.3	NaN	0.0	0.367	0.253	0.496	0.604	0.316	0.420	0.0	0.3	22.4
2012	189	non-flooded	NaN	257.5	NaN	0.0	0.360	0.250	0.490	0.604	0.313	0.419	0.0	0.3	19.3
2012	190	non-flooded	NaN	281.8	NaN	0.0	0.353	0.248	0.484	0.604	0.309	0.419	0.0	0.3	18.6
2012	191	non-flooded	NaN	271.9	NaN	0.0	0.347	0.246	0.479	0.604	0.306	0.419	0.0	0.3	18.4
2012	192	non-flooded	NaN	283.0	NaN	0.0	0.341	0.244	0.472	0.603	0.304	0.419	0.0	0.3	19.3
2012	193	non-flooded	NaN	284.1	NaN	0.0	0.336	0.242	0.467	0.603	0.301	0.420	0.0	0.3	22.2
2012	194	non-flooded	NaN	266.8	NaN	0.0	0.332	0.240	0.460	0.603	0.300	0.419	0.0	0.3	18.6
2012	195	non-flooded	NaN	275.5	NaN	0.0	0.328	0.239	0.454	0.602	0.298	0.420	0.0	0.3	23.8
2012	196	non-flooded	NaN	291.0	NaN	0.0	0.324	0.238	0.448	0.602	0.296	0.420	0.0	0.3	18.5
2012	197	non-flooded	NaN	282.1	NaN	0.0	0.321	0.236	0.442	0.601	0.294	0.419	0.0	0.3	21.3

2012	198	non-flooded	NaN	289.8	NaN	0.0	0.319	0.236	0.437	0.601	0.293	0.419	0.0	0.3	20.7
2012	199	non-flooded	NaN	289.3	NaN	0.0	0.316	0.234	0.431	0.601	0.291	0.419	0.0	0.3	25.5
2012	200	non-flooded	NaN	295.8	NaN	0.0	0.314	0.233	0.425	0.600	0.290	0.419	0.0	0.3	18.7
2012	201	non-flooded	NaN	284.8	NaN	0.0	0.312	0.232	0.419	0.600	0.288	0.419	0.0	0.3	16.8
2012	202	non-flooded	NaN	277.3	NaN	0.0	0.310	0.231	0.413	0.600	0.287	0.418	0.0	0.3	16.2
2012	203	non-flooded	NaN	291.0	NaN	0.0	0.308	0.230	0.407	0.599	0.285	0.419	0.0	0.3	19.4
2012	204	non-flooded	NaN	303.7	NaN	0.0	0.306	0.229	0.402	0.598	0.284	0.419	0.0	0.3	23.1
2012	205	non-flooded	NaN	294.1	NaN	0.0	0.305	0.228	0.396	0.598	0.283	0.419	0.0	0.3	18.2
2012	206	non-flooded	NaN	299.6	NaN	0.0	0.303	0.226	0.391	0.597	0.281	0.419	0.0	0.3	20.0
2012	207	non-flooded	NaN	298.5	NaN	0.0	0.301	0.225	0.386	0.596	0.280	0.419	0.0	0.3	20.4
2012	208	non-flooded	NaN	302.9	NaN	0.0	0.300	0.224	0.381	0.595	0.278	0.419	0.0	0.3	19.2
2012	209	non-flooded	NaN	303.8	NaN	0.0	0.298	0.223	0.377	0.594	0.277	0.418	0.0	0.3	21.7
2012	210	non-flooded	NaN	304.5	NaN	0.0	0.297	0.221	0.373	0.593	0.275	0.418	0.0	0.3	21.8
2012	211	non-flooded	NaN	306.3	NaN	0.0	0.296	0.220	0.369	0.592	0.274	0.418	0.0	0.3	17.3
2012	212	non-flooded	NaN	306.1	NaN	0.0	0.294	0.219	0.365	0.591	0.273	0.418	0.0	0.3	21.8
2012	213	non-flooded	NaN	304.3	NaN	0.0	0.293	0.218	0.362	0.589	0.271	0.418	0.0	0.3	21.6
2012	214	non-flooded	NaN	305.1	NaN	0.0	0.292	0.217	0.359	0.587	0.270	0.418	0.0	0.3	21.6
2012	215	non-flooded	NaN	306.7	NaN	0.0	0.290	0.216	0.356	0.585	0.268	0.418	0.0	0.3	17.4
2012	216	non-flooded	NaN	255.6	NaN	0.0	0.289	0.215	0.353	0.582	0.267	0.417	0.0	0.3	15.0
2012	217	non-flooded	NaN	279.4	NaN	0.0	0.288	0.213	0.351	0.579	0.266	0.417	0.0	0.3	18.4
2012	218	non-flooded	NaN	310.4	NaN	0.0	0.287	0.213	0.348	0.575	0.264	0.417	0.0	0.3	18.1
2012	219	non-flooded	NaN	304.2	NaN	0.0	0.286	0.211	0.346	0.572	0.263	0.417	0.0	0.3	15.3
2012	220	non-flooded	NaN	305.2	NaN	0.0	0.285	0.211	0.344	0.568	0.262	0.418	0.0	0.3	19.6
2012	221	non-flooded	NaN	300.7	NaN	0.0	0.284	0.210	0.342	0.564	0.261	0.418	0.0	0.3	18.1
2012	222	non-flooded	NaN	308.7	NaN	0.0	0.283	0.209	0.340	0.560	0.260	0.418	0.0	0.3	19.3
2012	223	non-flooded	NaN	309.4	NaN	0.0	0.282	0.207	0.338	0.555	0.258	0.418	0.0	0.3	20.1
2012	224	non-flooded	NaN	301.7	NaN	0.0	0.281	0.207	0.337	0.552	0.257	0.418	0.0	0.3	21.0
2012	225	non-flooded	NaN	264.6	NaN	0.0	0.280	0.206	0.335	0.548	0.256	0.418	0.0	0.3	19.0
2012	226	non-flooded	NaN	293.5	NaN	0.0	0.278	0.205	0.333	0.544	0.255	0.418	0.0	0.3	15.9
2012	227	non-flooded	NaN	319.6	NaN	0.0	0.278	0.204	0.332	0.540	0.254	0.418	0.0	0.3	15.4
2012	228	non-flooded	NaN	315.8	NaN	0.0	0.277	0.203	0.330	0.536	0.253	0.418	0.0	0.3	13.5
2012	229	non-flooded	NaN	324.1	NaN	0.0	0.276	0.202	0.329	0.533	0.252	0.418	0.0	0.3	8.0
2012	230	non-flooded	NaN	293.7	NaN	0.0	0.275	0.201	0.327	0.530	0.250	0.417	0.0	0.3	10.8
2012	231	non-flooded	NaN	320.8	NaN	0.0	0.274	0.200	0.326	0.526	0.250	0.416	0.0	0.3	7.5
2012	232	non-flooded	NaN	298.4	NaN	0.0	0.273	0.199	0.325	0.523	0.249	0.416	0.0	0.3	14.1
2012	233	non-flooded	NaN	310.1	NaN	0.0	0.272	0.198	0.323	0.520	0.247	0.416	0.0	0.3	17.9
2012	234	non-flooded	NaN	313.5	NaN	0.0	0.271	0.197	0.322	0.517	0.246	0.416	0.0	0.3	19.2
2012	235	non-flooded	NaN	274.4	NaN	0.0	0.270	0.197	0.321	0.515	0.246	0.416	0.0	0.3	19.3
2012	236	non-flooded	NaN	301.1	NaN	0.0	0.270	0.196	0.320	0.512	0.245	0.416	0.0	0.3	19.7
2012	237	non-flooded	NaN	312.0	NaN	0.0	0.269	0.195	0.319	0.510	0.244	0.416	0.0	0.3	18.4
2012	238	non-flooded	NaN	284.6	NaN	0.0	0.269	0.194	0.318	0.508	0.243	0.416	0.0	0.3	15.8
2012	239	non-flooded	NaN	292.8	NaN	0.0	0.268	0.194	0.317	0.506	0.242	0.416	0.0	0.3	16.3
2012	240	non-flooded	NaN	308.1	NaN	0.0	0.267	0.193	0.316	0.504	0.242	0.416	0.0	0.3	19.1

2012	241	non-flooded	NaN	313.1	NaN	0.0	0.267	0.193	0.315	0.503	0.241	0.415	0.0	0.3	15.2
2012	242	non-flooded	NaN	314.4	NaN	0.0	0.266	0.192	0.314	0.501	0.241	0.415	0.0	0.3	17.1
2012	243	non-flooded	NaN	289.4	NaN	0.0	0.266	0.192	0.314	0.499	0.240	0.415	0.0	0.3	21.6
2012	244	non-flooded	NaN	217.0	NaN	0.0	0.266	0.192	0.313	0.498	0.240	0.415	0.0	0.3	20.9
2012	245	non-flooded	NaN	293.0	NaN	0.0	0.266	0.192	0.313	0.497	0.240	0.415	0.0	0.3	19.1
2012	246	non-flooded	NaN	321.8	NaN	0.0	0.265	0.191	0.313	0.496	0.239	0.415	0.0	0.3	20.3
2012	247	non-flooded	NaN	323.2	NaN	0.0	0.265	0.190	0.312	0.495	0.238	0.415	0.0	0.3	20.5
2012	248	non-flooded	NaN	332.0	NaN	0.0	0.264	0.190	0.311	0.494	0.238	0.414	0.0	0.3	18.7
2012	249	non-flooded	NaN	298.2	NaN	0.0	0.264	0.189	0.311	0.493	0.237	0.413	0.0	0.3	23.3
2012	250	non-flooded	NaN	323.0	NaN	0.0	0.263	0.188	0.310	0.492	0.236	0.408	0.0	0.2	21.2
2012	251	non-flooded	NaN	200.1	NaN	0.0	0.263	0.188	0.309	0.491	0.235	0.398	0.0	0.2	21.0
2012	252	non-flooded	NaN	340.6	NaN	0.0	0.262	0.187	0.309	0.490	0.235	0.382	0.0	0.2	18.5
2012	253	non-flooded	NaN	352.4	NaN	0.0	0.262	0.187	0.308	0.489	0.235	0.356	0.0	0.2	17.1
2012	254	non-flooded	NaN	310.7	NaN	0.0	0.261	0.186	0.307	0.488	0.234	0.326	0.0	0.2	20.9
2012	255	non-flooded	NaN	308.8	NaN	0.0	0.261	0.186	0.307	0.487	0.234	0.297	0.0	0.2	19.7
2012	256	non-flooded	NaN	265.9	NaN	0.0	0.261	0.186	0.307	0.486	0.234	0.272	0.0	0.2	21.4
2012	257	non-flooded	NaN	252.9	NaN	0.0	0.261	0.186	0.306	0.485	0.234	0.254	0.0	0.2	15.4
2012	258	non-flooded	NaN	279.2	NaN	0.0	0.261	0.186	0.306	0.484	0.233	0.237	0.0	0.2	18.4
2012	259	non-flooded	NaN	293.5	NaN	0.0	0.260	0.185	0.306	0.483	0.233	0.224	0.0	0.2	23.0
2012	260	non-flooded	NaN	290.1	NaN	0.0	0.260	0.185	0.306	0.482	0.233	0.213	0.0	0.2	20.9
2012	261	non-flooded	NaN	273.1	NaN	0.0	0.260	0.185	0.305	0.480	0.232	0.204	0.0	0.2	21.7
2012	262	non-flooded	NaN	302.0	NaN	0.0	0.259	0.184	0.305	0.479	0.232	0.196	0.0	0.2	23.5
2012	263	non-flooded	NaN	222.7	NaN	0.0	0.259	0.184	0.305	0.478	0.231	0.189	0.0	0.2	16.9
2012	264	non-flooded	NaN	270.7	NaN	0.0	0.260	0.185	0.305	0.478	0.232	0.184	2.1	0.2	18.5
2012	265	non-flooded	NaN	248.2	NaN	0.0	0.262	0.188	0.307	0.477	0.235	0.180	0.0	0.2	18.0
2012	266	non-flooded	NaN	249.9	NaN	0.0	0.263	0.209	0.308	0.476	0.255	0.176	6.2	0.3	18.8
2012	267	non-flooded	NaN	253.7	NaN	0.0	0.266	0.205	0.310	0.477	0.258	0.174	1.3	0.3	21.7
2012	268	non-flooded	NaN	282.0	NaN	0.0	0.268	0.201	0.311	0.477	0.254	0.171	2.1	0.3	18.5
2012	269	non-flooded	NaN	312.7	NaN	0.0	0.268	0.198	0.312	0.477	0.250	0.168	0.0	0.3	21.4
2012	270	non-flooded	NaN	216.5	NaN	0.0	0.267	0.195	0.311	0.477	0.245	0.164	0.0	0.3	18.8
2012	271	non-flooded	NaN	247.8	NaN	0.0	0.266	0.192	0.311	0.477	0.242	0.160	0.0	0.3	17.9
2012	272	non-flooded	NaN	332.5	NaN	0.0	0.265	0.191	0.310	0.476	0.239	0.157	0.0	0.3	23.5
2012	273	non-flooded	NaN	284.2	NaN	0.0	0.264	0.190	0.310	0.476	0.238	0.154	0.0	0.3	22.1
2012	274	non-flooded	NaN	291.6	NaN	0.0	0.265	0.190	0.310	0.476	0.239	0.152	0.0	0.3	19.0
2012	275	non-flooded	NaN	265.6	NaN	0.0	0.264	0.189	0.310	0.475	0.238	0.149	0.0	0.3	23.1
2012	276	non-flooded	NaN	291.9	NaN	0.0	0.264	0.188	0.309	0.475	0.236	0.146	0.0	0.2	19.1
2012	277	non-flooded	NaN	351.4	NaN	0.0	0.263	0.187	0.308	0.474	0.235	0.142	0.0	0.2	22.7
2012	278	non-flooded	NaN	257.5	NaN	0.0	0.262	0.186	0.307	0.474	0.234	0.139	0.0	0.2	20.1
2012	279	non-flooded	NaN	255.8	NaN	0.0	0.261	0.185	0.307	0.473	0.233	0.134	0.0	0.2	22.3
2012	280	non-flooded	NaN	261.7	NaN	0.0	0.261	0.185	0.306	0.472	0.232	0.129	0.0	0.2	17.7
2012	281	non-flooded	NaN	351.8	NaN	0.0	0.260	0.184	0.306	0.471	0.231	0.124	0.0	0.2	21.6
2012	282	non-flooded	NaN	306.3	NaN	0.0	0.259	0.183	0.305	0.470	0.231	0.118	0.0	0.2	16.6
2012	283	non-flooded	NaN	246.9	NaN	0.0	0.259	0.183	0.304	0.470	0.230	0.112	0.6	0.2	15.4

2012	284	non-flooded	NaN	241.7	NaN	0.0	0.261	0.187	0.306	0.469	0.246	0.108	0.0	0.3	18.4
2012	285	non-flooded	NaN	286.7	NaN	0.0	0.262	0.188	0.307	0.469	0.240	0.105	0.5	0.3	22.3
2012	286	non-flooded	NaN	300.6	NaN	0.0	0.262	0.187	0.307	0.469	0.237	0.100	0.0	0.2	16.2
2012	287	non-flooded	NaN	331.0	NaN	0.0	0.262	0.186	0.307	0.469	0.235	0.096	0.2	0.2	13.7
2012	288	non-flooded	NaN	349.6	NaN	0.0	0.262	0.191	0.307	0.468	0.244	0.093	0.2	0.3	16.4
2012	289	non-flooded	NaN	327.8	NaN	0.0	0.265	0.208	0.309	0.468	0.275	0.092	15.1	0.3	16.3
2012	290	non-flooded	NaN	222.3	NaN	0.0	0.267	0.209	0.311	0.469	0.316	0.092	0.0	0.3	20.5
2012	291	non-flooded	NaN	237.4	NaN	0.0	0.269	0.228	0.313	0.470	0.319	0.092	0.2	0.3	21.2
2012	292	non-flooded	NaN	350.6	NaN	0.0	0.270	0.322	0.322	0.488	0.452	0.091	0.3	0.3	17.5
2012	293	non-flooded	NaN	315.1	NaN	0.0	0.271	0.297	0.321	0.487	0.421	0.092	0.0	0.3	22.0
2012	294	non-flooded	NaN	341.9	NaN	0.0	0.274	0.285	0.322	0.485	0.406	0.091	0.0	0.3	18.3
2012	295	non-flooded	NaN	289.8	NaN	0.0	0.275	0.304	0.325	0.485	0.428	0.091	4.2	0.3	21.1
2012	296	non-flooded	NaN	247.9	NaN	0.0	0.278	0.366	0.330	0.496	0.467	0.091	0.0	0.3	19.7
2012	297	non-flooded	NaN	339.0	NaN	0.0	0.280	0.345	0.332	0.497	0.445	0.091	2.7	0.3	21.2
2012	298	non-flooded	NaN	244.2	NaN	0.0	0.284	0.328	0.334	0.497	0.425	0.091	2.0	0.3	19.5
2012	299	non-flooded	NaN	253.5	NaN	0.0	0.286	0.314	0.336	0.497	0.407	0.091	0.0	0.3	24.2
2012	300	non-flooded	NaN	212.3	NaN	0.0	0.289	0.306	0.338	0.496	0.403	0.091	0.9	0.3	16.3
2012	301	non-flooded	NaN	282.0	NaN	0.0	0.292	0.302	0.339	0.496	0.395	0.091	1.4	0.3	15.5
2012	302	non-flooded	NaN	298.7	NaN	0.0	0.294	0.296	0.340	0.496	0.384	0.091	0.0	0.3	23.6
2012	303	non-flooded	NaN	214.8	NaN	0.0	0.296	0.288	0.341	0.496	0.371	0.090	0.0	0.3	21.5
2012	304	non-flooded	NaN	222.4	NaN	0.0	0.297	0.281	0.342	0.496	0.365	0.090	0.0	0.3	21.5
2012	305	non-flooded	NaN	321.5	NaN	0.0	0.298	0.279	0.343	0.496	0.365	0.090	0.0	0.3	17.4
2012	306	non-flooded	NaN	330.7	NaN	0.0	0.299	0.274	0.343	0.496	0.353	0.089	0.0	0.3	21.9
2012	307	non-flooded	NaN	274.8	NaN	0.0	0.299	0.268	0.345	0.496	0.344	0.089	0.0	0.3	20.9
2012	308	non-flooded	NaN	321.0	NaN	0.0	0.299	0.265	0.345	0.496	0.337	0.088	2.2	0.3	21.1
2012	309	non-flooded	NaN	395.0	NaN	0.0	0.299	0.265	0.345	0.496	0.337	0.088	17.4	0.3	22.0
2012	310	non-flooded	NaN	301.5	NaN	0.0	0.299	0.265	0.345	0.496	0.335	0.088	1.3	0.3	23.2
2012	311	non-flooded	NaN	349.1	NaN	0.0	0.299	0.264	0.345	0.496	0.332	0.088	1.7	0.3	25.8
2012	312	non-flooded	NaN	298.8	NaN	0.0	0.299	0.260	0.345	0.496	0.326	0.087	0.0	0.3	24.6
2012	313	non-flooded	NaN	331.2	NaN	0.0	0.299	0.383	0.355	0.496	0.468	0.087	1.3	0.4	20.8
2012	314	non-flooded	NaN	310.0	NaN	0.0	0.301	0.355	0.353	0.496	0.438	0.086	9.2	0.4	18.2
2012	315	non-flooded	NaN	275.2	NaN	0.0	0.302	0.342	0.353	0.497	0.421	0.086	1.8	0.3	19.0
2012	316	non-flooded	NaN	269.5	NaN	0.0	0.303	0.328	0.353	0.497	0.403	0.086	0.2	0.3	23.5
2012	317	non-flooded	NaN	258.9	NaN	0.0	0.304	0.318	0.353	0.497	0.393	0.086	0.4	0.3	22.5
2012	318	non-flooded	NaN	186.6	NaN	0.0	0.306	0.320	0.353	0.497	0.387	0.086	3.3	0.3	21.6
2012	319	non-flooded	NaN	221.6	NaN	0.0	0.307	0.320	0.353	0.498	0.384	0.086	2.9	0.3	17.0
2012	320	non-flooded	NaN	284.9	NaN	0.0	0.470	0.429	0.397	0.505	0.511	0.086	29.5	0.4	19.3
2012	321	non-flooded	NaN	362.7	NaN	0.0	0.485	0.390	0.417	0.506	0.482	0.086	0.0	0.4	27.3
2012	322	non-flooded	NaN	396.9	NaN	0.0	0.475	0.373	0.419	0.506	0.466	0.086	0.0	0.4	21.0
2012	323	non-flooded	NaN	341.8	NaN	0.0	0.469	0.407	0.419	0.506	0.488	0.085	2.9	0.4	20.7
2012	324	non-flooded	NaN	283.3	NaN	0.0	0.466	0.380	0.419	0.506	0.468	0.085	1.9	0.4	20.3
2012	325	non-flooded	NaN	269.6	NaN	0.0	0.460	0.363	0.419	0.506	0.452	0.085	0.0	0.4	24.6
2012	326	non-flooded	NaN	382.1	NaN	0.0	0.452	0.347	0.419	0.506	0.435	0.085	1.8	0.4	27.1

2012	327	non-flooded	NaN	250.0	NaN	0.0	0.445	0.333	0.419	0.506	0.421	0.085	1.4	0.4	22.1
2012	328	non-flooded	NaN	321.5	NaN	0.0	0.436	0.321	0.418	0.506	0.405	0.084	0.0	0.4	29.9
2012	329	non-flooded	NaN	312.0	NaN	0.0	0.428	0.361	0.418	0.506	0.404	0.084	2.3	0.4	21.1
2012	330	non-flooded	NaN	361.0	NaN	0.0	0.421	0.333	0.417	0.506	0.393	0.084	0.0	0.4	26.3
2012	331	non-flooded	NaN	210.8	NaN	0.0	0.415	0.398	0.416	0.506	0.455	0.084	0.6	0.4	17.4
2012	332	non-flooded	NaN	312.3	NaN	0.0	0.434	0.416	0.417	0.506	0.500	0.084	0.0	0.4	19.2
2012	333	non-flooded	NaN	248.7	NaN	0.0	0.451	0.390	0.417	0.507	0.478	0.084	0.7	0.4	26.9
2012	334	non-flooded	NaN	157.9	NaN	0.0	0.450	0.396	0.418	0.507	0.481	0.084	0.0	0.4	24.2
2012	335	non-flooded	NaN	241.5	NaN	0.0	0.453	0.400	0.419	0.508	0.489	0.084	1.6	0.4	26.2
2012	336	non-flooded	NaN	336.2	NaN	0.0	0.495	0.407	0.442	0.514	0.500	0.084	1.4	0.5	24.2
2012	337	non-flooded	NaN	324.5	NaN	0.0	0.488	0.392	0.449	0.514	0.484	0.084	2.4	0.5	21.6
2012	338	non-flooded	NaN	277.9	NaN	0.0	0.536	0.440	0.540	0.521	0.530	0.084	24.2	0.5	17.2
2012	339	non-flooded	NaN	328.3	NaN	0.0	0.515	0.402	0.545	0.520	0.498	0.084	0.8	0.5	23.9
2012	340	non-flooded	NaN	348.5	NaN	0.0	0.502	0.388	0.547	0.519	0.483	0.084	0.3	0.5	22.9
2012	341	non-flooded	NaN	322.8	NaN	0.0	0.496	0.381	0.549	0.519	0.474	0.084	0.0	0.5	25.6
2012	342	non-flooded	NaN	310.2	NaN	0.0	0.519	0.427	0.552	0.520	0.514	0.084	8.1	0.5	24.7
2012	343	non-flooded	NaN	281.3	NaN	0.0	0.509	0.401	0.552	0.520	0.494	0.084	0.0	0.5	27.9
2012	344	non-flooded	NaN	291.7	NaN	0.0	0.510	0.401	0.552	0.520	0.492	0.084	0.0	0.5	20.8
2012	345	non-flooded	NaN	329.4	NaN	0.0	0.532	0.412	0.554	0.521	0.507	0.084	0.0	0.5	22.6
2012	346	non-flooded	NaN	164.7	NaN	0.0	0.515	0.392	0.553	0.521	0.488	0.083	2.5	0.5	21.2
2012	347	non-flooded	NaN	195.3	NaN	0.0	0.507	0.382	0.553	0.521	0.478	0.083	0.0	0.5	21.5
2012	348	non-flooded	NaN	233.0	NaN	0.0	0.501	0.371	0.552	0.521	0.466	0.083	4.9	0.5	21.7
2012	349	non-flooded	NaN	312.0	NaN	0.0	0.497	0.362	0.552	0.521	0.458	0.084	0.0	0.5	25.2
2012	350	non-flooded	NaN	241.8	NaN	0.0	0.493	0.356	0.552	0.522	0.451	0.084	0.0	0.5	23.2
2012	351	non-flooded	NaN	307.7	NaN	0.0	0.489	0.350	0.552	0.522	0.442	0.083	1.2	0.5	21.8
2012	352	non-flooded	NaN	261.5	NaN	0.0	0.502	0.412	0.554	0.522	0.497	0.084	0.0	0.5	23.5
2012	353	non-flooded	NaN	302.1	NaN	0.0	0.499	0.388	0.553	0.523	0.478	0.084	0.0	0.5	26.1
2012	354	non-flooded	NaN	317.8	NaN	0.0	0.496	0.373	0.553	0.522	0.464	0.085	0.0	0.5	25.7
2012	355	non-flooded	NaN	354.1	NaN	0.0	0.491	0.357	0.552	0.523	0.450	0.084	0.4	0.5	19.8
2012	356	non-flooded	NaN	254.0	NaN	0.0	0.487	0.344	0.552	0.523	0.437	0.084	0.0	0.5	23.2
2012	357	non-flooded	NaN	328.5	NaN	0.0	0.482	0.332	0.551	0.523	0.423	0.085	0.0	0.5	23.0
2012	358	non-flooded	NaN	233.6	NaN	0.0	0.476	0.319	0.549	0.523	0.407	0.085	0.0	0.4	25.0
2012	359	non-flooded	NaN	225.7	NaN	0.0	0.470	0.310	0.546	0.523	0.395	0.085	1.9	0.4	17.8
2012	360	non-flooded	NaN	312.2	NaN	0.0	0.465	0.304	0.544	0.523	0.388	0.085	0.8	0.4	27.5
2012	361	non-flooded	NaN	318.5	NaN	0.0	0.459	0.299	0.542	0.523	0.382	0.086	0.0	0.4	24.0
2012	362	non-flooded	NaN	269.5	NaN	0.0	0.455	0.337	0.541	0.523	0.433	0.086	0.0	0.4	21.3
2012	363	non-flooded	NaN	278.6	NaN	0.0	0.454	0.411	0.551	0.523	0.482	0.088	2.4	0.5	21.4
2012	364	non-flooded	NaN	244.0	NaN	0.0	0.528	0.440	0.556	0.525	0.536	0.088	0.0	0.5	21.9
2012	365	non-flooded	NaN	308.8	NaN	0.0	0.523	0.407	0.555	0.526	0.504	0.088	0.0	0.5	23.3
2012	366	non-flooded	NaN	319.9	NaN	0.0	0.511	0.390	0.555	0.526	0.486	0.089	0.0	0.5	22.6
2013	1	non-flooded	NaN	326.6	NaN	0.0	0.503	0.376	0.555	0.525	0.472	0.089	11.1	0.5	22.9
2013	2	non-flooded	NaN	315.7	NaN	0.0	0.498	0.363	0.555	0.525	0.459	0.090	0.0	0.5	24.7
2013	3	non-flooded	NaN	259.0	NaN	0.0	0.492	0.349	0.555	0.525	0.445	0.091	0.0	0.5	25.9

2013	4	non-flooded	NaN	327.4	NaN	0.0	0.487	0.335	0.555	0.525	0.430	0.091	0.0	0.5	28.0
2013	5	non-flooded	NaN	306.9	NaN	0.0	0.482	0.342	0.556	0.525	0.460	0.091	0.4	0.5	19.9
2013	6	non-flooded	NaN	346.6	NaN	0.0	0.482	0.356	0.556	0.526	0.467	0.092	0.0	0.5	27.2
2013	7	non-flooded	NaN	346.5	NaN	0.0	0.479	0.345	0.556	0.526	0.449	0.092	8.4	0.5	23.9
2013	8	non-flooded	NaN	331.7	NaN	0.0	0.477	0.336	0.554	0.526	0.434	0.092	0.0	0.5	25.9
2013	9	non-flooded	NaN	181.1	NaN	0.0	0.474	0.326	0.552	0.527	0.420	0.092	3.4	0.4	19.8
2013	10	non-flooded	NaN	276.8	NaN	0.0	0.472	0.323	0.550	0.527	0.414	0.092	0.0	0.4	24.4
2013	11	non-flooded	NaN	261.3	NaN	0.0	0.469	0.338	0.548	0.527	0.434	0.092	8.4	0.5	17.1
2013	12	non-flooded	NaN	179.0	NaN	0.0	0.531	0.598	0.560	0.530	0.559	0.093	29.0	0.6	10.5
2013	13	non-flooded	NaN	175.5	23.5	0.0	0.533	0.602	0.560	0.535	0.567	0.093	4.7	0.6	16.9
2013	14	non-flooded	NaN	264.6	25.6	0.0	0.536	0.602	0.561	0.537	0.567	0.094	1.3	0.6	23.5
2013	15	non-flooded	NaN	208.9	24.4	0.0	0.536	0.600	0.561	0.539	0.565	0.094	0.5	0.6	22.3
2013	16	non-flooded	NaN	274.3	24.6	0.0	0.537	0.601	0.562	0.540	0.565	0.094	0.8	0.6	20.1
2013	17	non-flooded	NaN	396.1	26.8	0.0	0.537	0.600	0.563	0.540	0.564	0.095	14.3	0.6	24.7
2013	18	non-flooded	NaN	351.8	27.9	0.0	0.536	0.597	0.563	0.540	0.562	0.095	0.0	0.6	21.9
2013	19	non-flooded	NaN	345.8	27.2	0.0	0.536	0.524	0.563	0.540	0.559	0.096	0.3	0.5	26.0
2013	20	non-flooded	NaN	34.9	21.3	0.0	0.537	0.591	0.564	0.539	0.570	0.096	39.6	0.6	10.7
2013	21	non-flooded	NaN	365.2	26.3	0.0	0.538	0.596	0.564	0.540	0.573	0.096	0.0	0.6	28.7
2013	22	non-flooded	NaN	373.2	28.6	0.0	0.537	0.596	0.563	0.540	0.572	0.096	0.0	0.6	22.5
2013	23	non-flooded	NaN	170.6	25.4	0.0	0.538	0.595	0.564	0.540	0.569	0.096	6.8	0.6	17.0
2013	24	non-flooded	NaN	225.0	24.4	0.0	0.539	0.595	0.565	0.539	0.570	0.097	35.3	0.6	17.0
2013	25	non-flooded	NaN	218.9	24.1	0.0	0.539	0.595	0.565	0.540	0.571	0.097	9.5	0.6	23.4
2013	26	non-flooded	NaN	277.6	24.8	0.0	0.539	0.594	0.565	0.541	0.570	0.103	0.9	0.6	24.7
2013	27	non-flooded	NaN	282.4	26.3	0.0	0.540	0.592	0.564	0.541	0.569	0.394	4.2	0.6	23.9
2013	28	non-flooded	NaN	321.8	27.2	0.0	0.537	0.591	0.564	0.542	0.569	0.408	0.5	0.6	24.5
2013	29	non-flooded	NaN	352.4	25.3	0.0	0.540	0.591	0.564	0.542	0.570	0.416	0.8	0.6	24.8
2013	30	non-flooded	NaN	270.1	25.2	0.0	0.540	0.590	0.565	0.544	0.570	0.424	2.7	0.6	21.4
2013	31	non-flooded	NaN	179.0	25.8	0.0	0.540	0.590	0.565	0.545	0.570	0.425	2.3	0.6	17.9
2013	32	flooded	NaN	309.5	26.2	0.0	0.540	0.589	0.564	0.546	0.569	0.425	0.0	0.6	24.4
2013	33	flooded	NaN	287.3	25.5	0.0	0.539	0.588	0.564	0.547	0.569	0.425	1.9	0.6	20.8
2013	34	flooded	NaN	280.2	23.6	0.0	0.540	0.587	0.564	0.547	0.569	0.425	0.0	0.6	19.8
2013	35	flooded	NaN	201.2	NaN	0.0	0.540	0.586	0.564	0.547	0.569	0.425	1.4	0.6	20.4
2013	36	flooded	NaN	300.5	NaN	0.0	0.540	0.588	0.565	0.547	0.571	0.427	1.3	0.6	16.8
2013	37	flooded	NaN	200.8	NaN	0.0	0.541	0.588	0.565	0.548	0.571	0.428	1.8	0.6	18.2
2013	38	flooded	NaN	269.9	NaN	0.0	0.541	0.588	0.565	0.549	0.571	0.428	0.0	0.6	22.4
2013	39	flooded	NaN	270.6	NaN	0.0	0.541	0.587	0.565	0.550	0.571	0.428	0.0	0.6	22.6
2013	40	flooded	NaN	273.9	NaN	0.0	0.541	0.587	0.565	0.550	0.571	0.428	11.5	0.6	18.6
2013	41	flooded	NaN	270.6	NaN	0.0	0.541	0.587	0.565	0.551	0.572	0.428	2.6	0.6	20.5
2013	42	flooded	NaN	312.5	NaN	0.0	0.541	0.586	0.565	0.552	0.573	0.429	5.4	0.6	19.4
2013	43	flooded	NaN	193.4	NaN	0.0	0.542	0.587	0.565	0.552	0.575	0.430	2.4	0.6	21.6
2013	44	flooded	NaN	239.0	NaN	0.0	0.542	0.588	0.565	0.553	0.576	0.430	0.0	0.6	27.8
2013	45	flooded	NaN	284.1	NaN	0.0	0.543	0.588	0.566	0.553	0.576	0.431	0.0	0.6	18.7
2013	46	flooded	NaN	311.2	NaN	0.0	0.543	0.589	0.566	0.554	0.577	0.431	1.2	0.6	23.0

2013	47	flooded	NaN	302.1	NaN	0.0	0.545	0.590	0.566	0.555	0.578	0.432	35.5	0.6	13.1
2013	48	flooded	NaN	295.5	NaN	0.0	0.546	0.590	0.566	0.557	0.579	0.433	0.0	0.6	23.0
2013	49	flooded	NaN	185.1	NaN	0.0	0.546	0.591	0.566	0.558	0.579	0.433	0.0	0.6	26.0
2013	50	flooded	NaN	306.5	NaN	0.0	0.546	0.591	0.566	0.560	0.579	0.433	4.9	0.6	20.0
2013	51	flooded	NaN	376.2	NaN	0.0	0.547	0.592	0.567	0.564	0.580	0.433	0.0	0.6	22.4
2013	52	flooded	NaN	179.0	NaN	0.0	0.547	0.592	0.567	0.566	0.580	0.434	0.0	0.6	20.5
2013	53	flooded	NaN	254.1	NaN	0.0	0.547	0.591	0.567	0.567	0.580	0.434	0.0	0.6	19.8
2013	54	flooded	NaN	302.2	NaN	0.0	0.547	0.592	0.567	0.569	0.580	0.434	43.5	0.6	24.8
2013	55	flooded	NaN	261.5	NaN	0.0	0.547	0.593	0.567	0.572	0.581	0.435	0.8	0.6	13.9
2013	56	flooded	NaN	187.3	NaN	0.0	0.547	0.593	0.568	0.574	0.581	0.435	0.0	0.6	26.2
2013	57	flooded	NaN	336.4	NaN	0.0	0.547	0.593	0.568	0.576	0.580	0.435	5.7	0.6	24.0
2013	58	flooded	NaN	251.6	NaN	0.0	0.547	0.593	0.568	0.577	0.581	0.435	0.0	0.6	21.6
2013	59	flooded	NaN	314.1	NaN	0.0	0.546	0.592	0.568	0.579	0.581	0.435	0.0	0.6	26.8
2013	60	flooded	NaN	228.0	NaN	0.0	0.546	0.593	0.568	0.580	0.582	0.435	3.9	0.6	24.5
2013	61	flooded	NaN	326.5	NaN	0.0	0.546	0.592	0.568	0.582	0.583	0.435	0.0	0.6	22.8
2013	62	flooded	NaN	376.1	NaN	0.0	0.546	0.592	0.568	0.583	0.584	0.435	1.3	0.6	20.1
2013	63	flooded	NaN	230.0	NaN	0.0	0.546	0.593	0.568	0.584	0.584	0.435	7.7	0.6	18.2
2013	64	flooded	NaN	166.1	NaN	0.0	0.546	0.595	0.568	0.586	0.584	0.435	0.0	0.6	20.2
2013	65	flooded	NaN	299.3	NaN	0.0	0.546	0.595	0.568	0.587	0.584	0.435	0.0	0.6	24.8
2013	66	flooded	NaN	212.1	NaN	0.0	0.545	0.595	0.568	0.589	0.585	0.435	2.4	0.6	16.6
2013	67	flooded	NaN	367.8	NaN	0.0	0.545	0.595	0.568	0.590	0.587	0.435	0.0	0.6	21.3
2013	68	flooded	NaN	281.9	NaN	0.0	0.546	0.596	0.568	0.592	0.586	0.435	0.0	0.6	21.6
2013	69	flooded	NaN	270.7	NaN	0.0	0.546	0.596	0.568	0.593	0.586	0.435	0.0	0.6	19.0
2013	70	flooded	NaN	292.2	NaN	0.0	0.547	0.596	0.568	0.594	0.587	0.435	0.0	0.6	18.4
2013	71	flooded	NaN	277.3	NaN	0.0	0.547	0.596	0.568	0.596	0.588	0.435	1.7	0.6	18.4
2013	72	flooded	NaN	216.6	NaN	0.0	0.546	0.595	0.568	0.596	0.589	0.435	4.5	0.6	17.9
2013	73	flooded	NaN	239.0	NaN	0.0	0.547	0.595	0.568	0.597	0.589	0.435	0.0	0.6	19.5
2013	74	flooded	NaN	253.2	NaN	0.0	0.547	0.596	0.568	0.598	0.589	0.434	2.5	0.6	18.7
2013	75	flooded	NaN	291.4	NaN	0.0	0.547	0.597	0.568	0.599	0.590	0.434	4.3	0.6	25.6
2013	76	flooded	NaN	192.0	NaN	0.0	0.546	0.598	0.567	0.600	0.590	0.434	0.0	0.6	21.7
2013	77	flooded	NaN	201.7	NaN	0.0	0.547	0.598	0.567	0.600	0.592	0.433	0.1	0.6	25.2
2013	78	flooded	NaN	248.1	NaN	0.0	0.547	0.598	0.567	0.601	0.592	0.433	13.3	0.6	18.5
2013	79	flooded	NaN	232.3	NaN	0.0	0.548	0.599	0.567	0.601	0.592	0.433	12.8	0.6	13.6
2013	80	flooded	NaN	228.3	NaN	0.0	0.547	0.599	0.566	0.602	0.593	0.433	0.9	0.6	22.2
2013	81	flooded	NaN	234.4	NaN	0.0	0.547	0.598	0.566	0.602	0.593	0.433	8.5	0.6	15.2
2013	82	flooded	NaN	243.1	NaN	0.0	0.547	0.599	0.566	0.603	0.594	0.433	7.8	0.6	14.4
2013	83	flooded	NaN	222.8	NaN	0.0	0.548	0.599	0.566	0.603	0.594	0.432	5.8	0.6	21.6
2013	84	flooded	NaN	302.9	NaN	0.0	0.547	0.599	0.566	0.603	0.595	0.432	0.0	0.6	24.1
2013	85	flooded	NaN	103.2	NaN	0.0	0.549	0.599	0.566	0.603	0.595	0.432	0.0	0.6	23.7
2013	86	flooded	NaN	288.8	NaN	0.0	0.548	0.598	0.566	0.603	0.595	0.432	24.5	0.6	17.3
2013	87	flooded	NaN	247.2	NaN	0.0	0.548	0.598	0.565	0.603	0.596	0.432	10.1	0.6	19.4
2013	88	flooded	NaN	163.2	NaN	0.0	0.548	0.599	0.565	0.604	0.597	0.431	0.0	0.6	23.9
2013	89	flooded	NaN	300.3	NaN	0.0	0.548	0.600	0.565	0.604	0.598	0.432	12.1	0.6	13.8

2013	90	flooded	NaN	192.2	NaN	0.0	0.549	0.600	0.565	0.604	0.599	0.431	0.6	0.6	21.6
2013	91	flooded	NaN	245.9	NaN	0.0	0.548	0.600	0.565	0.604	0.599	0.431	0.2	0.6	17.5
2013	92	flooded	NaN	300.4	NaN	0.0	0.548	0.600	0.565	0.604	0.599	0.430	0.0	0.6	17.2
2013	93	flooded	NaN	251.7	NaN	0.0	0.549	0.600	0.564	0.604	0.598	0.430	0.0	0.6	20.9
2013	94	flooded	NaN	190.2	NaN	0.0	0.549	0.600	0.564	0.604	0.600	0.430	0.0	0.6	17.1
2013	95	flooded	NaN	278.4	NaN	0.0	0.549	0.601	0.564	0.604	0.600	0.430	0.0	0.6	22.5
2013	96	flooded	NaN	262.2	NaN	0.0	0.549	0.602	0.564	0.604	0.600	0.430	3.9	0.6	20.7
2013	97	flooded	NaN	184.7	NaN	0.0	0.549	0.602	0.564	0.604	0.600	0.430	4.9	0.6	20.8
2013	98	flooded	NaN	341.6	NaN	0.0	0.549	0.602	0.564	0.604	0.601	0.430	0.0	0.6	16.6
2013	99	flooded	NaN	248.4	NaN	0.0	0.549	0.602	0.564	0.605	0.601	0.430	0.0	0.6	21.3
2013	100	flooded	NaN	270.2	NaN	0.0	0.549	0.602	0.564	0.605	0.603	0.430	11.2	0.6	20.5
2013	101	flooded	NaN	258.5	NaN	0.0	0.549	0.602	0.564	0.605	0.604	0.430	1.6	0.6	19.3
2013	102	flooded	NaN	309.5	NaN	0.0	0.550	0.602	0.564	0.605	0.604	0.430	0.0	0.6	15.1
2013	103	flooded	NaN	243.4	NaN	0.0	0.550	0.601	0.564	0.605	0.604	0.430	0.3	0.6	14.3
2013	104	flooded	NaN	262.7	NaN	0.0	0.550	0.601	0.564	0.605	0.604	0.430	0.0	0.6	22.3
2013	105	flooded	NaN	172.8	NaN	0.0	0.550	0.601	0.564	0.605	0.604	0.430	0.0	0.6	17.2
2013	106	flooded	NaN	158.3	NaN	0.0	0.551	0.600	0.564	0.606	0.604	0.430	14.6	0.6	18.3
2013	107	flooded	NaN	227.2	NaN	0.0	0.550	0.600	0.564	0.606	0.604	0.430	5.8	0.6	16.0
2013	108	flooded	NaN	236.5	NaN	0.0	0.550	0.601	0.564	0.606	0.604	0.430	5.4	0.6	16.7
2013	109	flooded	NaN	265.1	NaN	0.0	0.550	0.601	0.565	0.606	0.605	0.430	2.6	0.6	18.9
2013	110	flooded	NaN	193.9	NaN	0.0	0.551	0.601	0.565	0.607	0.605	0.430	8.4	0.6	15.7
2013	111	flooded	NaN	297.7	NaN	0.0	0.552	0.601	0.565	0.607	0.607	0.430	38.0	0.6	16.1
2013	112	flooded	NaN	238.7	NaN	0.0	0.552	0.601	0.565	0.607	0.608	0.431	26.8	0.6	12.2
2013	113	flooded	NaN	276.3	NaN	0.0	0.553	0.601	0.566	0.607	0.608	0.431	0.0	0.6	17.4
2013	114	flooded	NaN	268.7	NaN	0.0	0.553	0.601	0.566	0.608	0.608	0.431	0.0	0.6	17.3
2013	115	flooded	NaN	197.2	NaN	0.0	0.553	0.601	0.566	0.608	0.608	0.431	0.0	0.6	18.5
2013	116	flooded	NaN	181.6	NaN	0.0	0.553	0.601	0.566	0.608	0.609	0.431	0.0	0.6	17.9
2013	117	flooded	NaN	193.8	NaN	0.0	0.553	0.600	0.566	0.608	0.609	0.431	2.9	0.6	23.0
2013	118	flooded	NaN	234.4	NaN	0.0	0.553	0.599	0.566	0.608	0.610	0.431	0.0	0.6	22.5
2013	119	flooded	NaN	150.9	NaN	0.0	0.553	0.601	0.566	0.608	0.610	0.431	0.0	0.6	22.2
2013	120	flooded	NaN	230.9	NaN	0.0	0.553	0.601	0.566	0.608	0.611	0.431	0.0	0.6	19.3
2013	121	flooded	NaN	206.3	NaN	0.0	0.553	0.602	0.565	0.608	0.610	0.431	0.0	0.6	16.6
2013	122	flooded	NaN	262.8	NaN	0.0	0.553	0.602	0.565	0.608	0.609	0.431	0.0	0.6	23.4
2013	123	flooded	NaN	286.2	NaN	0.0	0.553	0.601	0.565	0.608	0.609	0.430	0.0	0.6	25.7
2013	124	flooded	NaN	218.1	NaN	0.0	0.554	0.601	0.565	0.608	0.609	0.430	0.0	0.6	19.0
2013	125	flooded	NaN	255.0	NaN	0.0	0.553	0.602	0.565	0.608	0.610	0.430	0.0	0.6	15.4
2013	126	flooded	NaN	263.4	NaN	0.0	0.553	0.604	0.564	0.608	0.611	0.430	0.0	0.6	23.5
2013	127	flooded	NaN	208.2	NaN	0.0	0.553	0.603	0.564	0.608	0.612	0.430	3.9	0.6	22.1
2013	128	flooded	NaN	220.1	NaN	0.0	0.553	0.603	0.564	0.608	0.612	0.429	0.0	0.6	19.6
2013	129	flooded	NaN	260.7	NaN	0.0	0.553	0.603	0.564	0.608	0.611	0.429	3.5	0.6	22.2
2013	130	flooded	NaN	236.9	NaN	0.0	0.553	0.603	0.564	0.608	0.611	0.429	0.0	0.6	19.8
2013	131	flooded	NaN	254.2	NaN	0.0	0.553	0.603	0.563	0.608	0.613	0.428	0.0	0.6	25.3
2013	132	flooded	NaN	284.7	NaN	0.0	0.553	0.603	0.563	0.608	0.612	0.427	0.0	0.6	20.1

2013	133	flooded	NaN	274.0	NaN	0.0	0.553	0.602	0.563	0.608	0.612	0.427	0.0	0.6	16.4
2013	134	flooded	NaN	254.8	NaN	0.0	0.553	0.601	0.562	0.608	0.611	0.427	0.0	0.6	20.6
2013	135	flooded	NaN	266.5	NaN	0.0	0.553	0.599	0.562	0.608	0.610	0.426	0.0	0.6	21.1
2013	136	flooded	NaN	193.5	NaN	0.0	0.554	0.601	0.562	0.608	0.611	0.426	0.0	0.6	20.8
2013	137	flooded	NaN	253.0	NaN	0.0	0.555	0.601	0.562	0.607	0.611	0.426	0.0	0.6	21.7
2013	138	flooded	NaN	245.9	NaN	0.0	0.555	0.602	0.562	0.607	0.611	0.425	0.0	0.6	22.4
2013	139	flooded	NaN	295.0	NaN	0.0	0.556	0.601	0.562	0.607	0.611	0.425	0.0	0.6	17.7
2013	140	flooded	NaN	269.9	NaN	0.0	0.555	0.600	0.562	0.607	0.611	0.425	0.0	0.6	15.5
2013	141	flooded	NaN	236.7	NaN	0.0	0.555	0.599	0.562	0.607	0.611	0.425	0.0	0.6	19.5
2013	142	flooded	NaN	251.5	NaN	0.0	0.556	0.600	0.562	0.606	0.611	0.425	0.0	0.6	21.4
2013	143	flooded	NaN	255.1	NaN	0.0	0.556	0.601	0.562	0.606	0.611	0.424	0.0	0.6	24.8
2013	144	flooded	NaN	262.4	NaN	0.0	0.556	0.601	0.562	0.606	0.611	0.424	0.0	0.6	25.1
2013	145	flooded	NaN	275.9	NaN	0.0	0.555	0.600	0.561	0.606	0.611	0.424	0.0	0.6	28.2
2013	146	flooded	NaN	235.5	NaN	0.0	0.556	0.599	0.561	0.606	0.611	0.424	0.0	0.6	20.5
2013	147	flooded	NaN	274.2	NaN	0.0	0.556	0.599	0.561	0.606	0.611	0.423	2.4	0.6	17.8
2013	148	flooded	NaN	240.6	NaN	0.0	0.556	0.596	0.561	0.606	0.611	0.423	0.0	0.6	17.7
2013	149	flooded	NaN	272.7	NaN	0.0	0.556	0.597	0.561	0.606	0.611	0.423	0.0	0.6	19.8
2013	150	flooded	NaN	282.6	NaN	0.0	0.556	0.598	0.561	0.606	0.611	0.423	0.0	0.6	20.2
2013	151	flooded	NaN	266.5	NaN	0.0	0.556	0.598	0.561	0.606	0.611	0.422	0.0	0.6	17.5
2013	152	non-flooded	NaN	270.0	NaN	0.0	0.556	0.599	0.561	0.606	0.612	0.422	0.0	0.6	22.9
2013	153	non-flooded	NaN	278.6	NaN	0.0	0.557	0.601	0.561	0.605	0.613	0.422	0.0	0.6	26.0
2013	154	non-flooded	NaN	277.9	NaN	0.0	0.556	0.602	0.561	0.605	0.613	0.422	4.8	0.6	20.3
2013	155	non-flooded	NaN	232.4	NaN	0.0	0.556	0.603	0.561	0.605	0.613	0.422	0.0	0.6	23.4
2013	156	non-flooded	NaN	283.2	NaN	0.0	0.556	0.603	0.561	0.605	0.611	0.422	0.0	0.6	25.5
2013	157	non-flooded	NaN	285.6	NaN	0.0	0.557	0.602	0.562	0.605	0.612	0.422	0.0	0.6	24.3
2013	158	non-flooded	NaN	266.1	NaN	0.0	0.557	0.598	0.562	0.605	0.611	0.421	0.0	0.6	19.9
2013	159	non-flooded	NaN	287.4	NaN	0.0	0.557	0.556	0.562	0.605	0.610	0.421	0.0	0.6	18.2
2013	160	non-flooded	NaN	284.2	NaN	0.0	0.557	0.510	0.562	0.605	0.604	0.421	0.0	0.6	16.8
2013	161	non-flooded	NaN	278.7	NaN	0.0	0.557	0.475	0.562	0.605	0.587	0.421	0.0	0.6	13.9
2013	162	non-flooded	NaN	286.6	NaN	0.0	0.555	0.453	0.561	0.605	0.561	0.421	0.0	0.6	21.5
2013	163	non-flooded	NaN	277.3	NaN	0.0	0.551	0.441	0.561	0.604	0.544	0.421	0.0	0.5	21.2
2013	164	non-flooded	NaN	279.0	NaN	0.0	0.546	0.431	0.561	0.604	0.530	0.421	0.0	0.5	22.7
2013	165	non-flooded	NaN	274.5	NaN	0.0	0.537	0.422	0.561	0.604	0.520	0.420	0.0	0.5	21.5
2013	166	non-flooded	NaN	282.1	NaN	0.0	0.527	0.411	0.561	0.604	0.511	0.420	0.0	0.5	16.9
2013	167	non-flooded	NaN	273.9	NaN	0.0	0.518	0.401	0.561	0.604	0.502	0.420	0.0	0.5	22.8
2013	168	non-flooded	NaN	267.2	NaN	0.0	0.512	0.391	0.561	0.604	0.492	0.420	0.0	0.5	22.0
2013	169	non-flooded	NaN	282.2	NaN	0.0	0.507	0.381	0.561	0.604	0.483	0.420	0.0	0.5	16.7
2013	170	non-flooded	NaN	243.1	NaN	0.0	0.503	0.372	0.561	0.605	0.474	0.420	0.0	0.5	19.9
2013	171	non-flooded	NaN	262.3	NaN	0.0	0.498	0.360	0.561	0.605	0.461	0.420	0.0	0.5	19.5
2013	172	non-flooded	NaN	281.0	NaN	0.0	0.493	0.350	0.560	0.605	0.450	0.419	0.0	0.5	24.0
2013	173	non-flooded	NaN	271.4	NaN	0.0	0.489	0.342	0.559	0.605	0.441	0.419	0.0	0.5	22.8
2013	174	non-flooded	NaN	263.6	NaN	0.0	0.483	0.334	0.558	0.605	0.429	0.419	0.0	0.5	25.1
2013	175	non-flooded	NaN	244.8	NaN	0.0	0.477	0.325	0.555	0.605	0.418	0.419	0.0	0.4	24.4

2013	176	non-flooded	NaN	252.5	NaN	0.0	0.470	0.317	0.552	0.605	0.407	0.419	0.0	0.4	23.0
2013	177	non-flooded	NaN	280.6	NaN	0.0	0.462	0.309	0.549	0.606	0.396	0.418	0.0	0.4	23.6
2013	178	non-flooded	NaN	274.8	NaN	0.0	0.455	0.302	0.545	0.606	0.387	0.418	0.0	0.4	21.6
2013	179	non-flooded	NaN	270.5	NaN	0.0	0.448	0.295	0.542	0.606	0.379	0.418	0.0	0.4	23.7
2013	180	non-flooded	NaN	265.7	NaN	0.0	0.440	0.290	0.538	0.606	0.371	0.418	0.8	0.4	20.5
2013	181	non-flooded	NaN	282.5	NaN	0.0	0.433	0.285	0.535	0.606	0.364	0.417	0.0	0.4	22.8
2013	182	non-flooded	NaN	282.5	NaN	0.0	0.426	0.280	0.532	0.605	0.357	0.417	0.0	0.4	22.9
2013	183	non-flooded	NaN	263.7	NaN	0.0	0.419	0.275	0.529	0.605	0.350	0.417	0.0	0.4	24.2
2013	184	non-flooded	NaN	245.2	NaN	0.0	0.411	0.271	0.525	0.605	0.344	0.416	0.0	0.4	25.6
2013	185	non-flooded	NaN	269.9	NaN	0.0	0.403	0.267	0.522	0.605	0.338	0.416	0.0	0.4	16.3
2013	186	non-flooded	NaN	269.8	NaN	0.0	0.393	0.263	0.517	0.605	0.332	0.416	0.0	0.4	18.2
2013	187	non-flooded	NaN	276.3	NaN	0.0	0.384	0.259	0.513	0.605	0.327	0.416	0.0	0.4	16.1
2013	188	non-flooded	NaN	257.5	NaN	0.0	0.376	0.256	0.508	0.605	0.323	0.416	0.0	0.3	18.0
2013	189	non-flooded	NaN	281.8	NaN	0.0	0.368	0.252	0.503	0.604	0.319	0.416	0.0	0.3	19.3
2013	190	non-flooded	NaN	271.9	NaN	0.0	0.360	0.249	0.498	0.604	0.315	0.415	0.0	0.3	20.7
2013	191	non-flooded	NaN	283.0	NaN	0.0	0.353	0.247	0.492	0.604	0.312	0.415	0.0	0.3	21.3
2013	192	non-flooded	NaN	284.1	NaN	0.0	0.346	0.244	0.486	0.604	0.308	0.415	0.0	0.3	15.0
2013	193	non-flooded	NaN	266.8	NaN	0.0	0.340	0.242	0.480	0.604	0.305	0.414	0.0	0.3	16.7
2013	194	non-flooded	NaN	275.5	NaN	0.0	0.335	0.240	0.474	0.603	0.303	0.414	0.0	0.3	18.4
2013	195	non-flooded	NaN	291.0	NaN	0.0	0.330	0.239	0.468	0.603	0.301	0.415	0.0	0.3	21.3
2013	196	non-flooded	NaN	282.1	NaN	0.0	0.326	0.237	0.462	0.603	0.299	0.414	0.0	0.3	22.2
2013	197	non-flooded	NaN	289.8	NaN	0.0	0.324	0.237	0.456	0.602	0.298	0.414	0.0	0.3	22.1
2013	198	non-flooded	NaN	289.3	NaN	0.0	0.321	0.235	0.450	0.602	0.296	0.414	0.0	0.3	20.2
2013	199	non-flooded	NaN	295.8	NaN	0.0	0.318	0.234	0.444	0.601	0.294	0.414	0.0	0.3	20.1
2013	200	non-flooded	NaN	284.8	NaN	0.0	0.316	0.233	0.438	0.601	0.293	0.414	0.0	0.3	18.3
2013	201	non-flooded	NaN	277.3	NaN	0.0	0.314	0.231	0.432	0.600	0.291	0.414	0.0	0.3	20.8
2013	202	non-flooded	NaN	291.0	NaN	0.0	0.311	0.230	0.426	0.600	0.289	0.414	0.0	0.3	21.3
2013	203	non-flooded	NaN	303.7	NaN	0.0	0.310	0.229	0.420	0.599	0.288	0.414	0.0	0.3	18.5
2013	204	non-flooded	NaN	294.1	NaN	0.0	0.308	0.228	0.414	0.599	0.287	0.414	0.0	0.3	22.4
2013	205	non-flooded	NaN	299.6	NaN	0.0	0.306	0.227	0.408	0.598	0.285	0.414	0.0	0.3	19.6
2013	206	non-flooded	NaN	298.5	NaN	0.0	0.304	0.225	0.403	0.597	0.284	0.414	0.0	0.3	19.3
2013	207	non-flooded	NaN	302.9	NaN	0.0	0.303	0.224	0.397	0.597	0.282	0.414	0.0	0.3	16.6
2013	208	non-flooded	NaN	303.8	NaN	0.0	0.301	0.223	0.392	0.596	0.280	0.414	0.0	0.3	17.4
2013	209	non-flooded	NaN	304.5	NaN	0.0	0.300	0.222	0.387	0.594	0.279	0.413	0.0	0.3	19.9
2013	210	non-flooded	NaN	306.3	NaN	0.0	0.298	0.221	0.383	0.593	0.278	0.413	4.3	0.3	23.6
2013	211	non-flooded	NaN	306.1	NaN	0.0	0.298	0.220	0.379	0.592	0.277	0.413	0.0	0.3	19.2
2013	212	non-flooded	NaN	304.3	NaN	0.0	0.296	0.219	0.375	0.591	0.276	0.413	0.0	0.3	20.6
2013	213	non-flooded	NaN	305.1	NaN	0.0	0.295	0.218	0.371	0.589	0.274	0.413	0.0	0.3	21.8
2013	214	non-flooded	NaN	306.7	NaN	0.0	0.294	0.217	0.368	0.587	0.273	0.412	0.0	0.3	20.3
2013	215	non-flooded	NaN	255.6	NaN	0.0	0.292	0.215	0.364	0.585	0.271	0.412	0.0	0.3	18.6
2013	216	non-flooded	NaN	279.4	NaN	0.0	0.291	0.214	0.361	0.582	0.269	0.411	0.0	0.3	18.6
2013	217	non-flooded	NaN	310.4	NaN	0.0	0.290	0.213	0.358	0.579	0.268	0.411	0.0	0.3	18.0
2013	218	non-flooded	NaN	304.2	NaN	0.0	0.289	0.212	0.355	0.575	0.267	0.412	0.0	0.3	19.1

2013	219	non-flooded	NaN	305.2	NaN	0.0	0.287	0.211	0.352	0.572	0.265	0.411	0.0	0.3	16.8
2013	220	non-flooded	NaN	300.7	NaN	0.0	0.286	0.210	0.350	0.567	0.264	0.412	0.0	0.3	19.7
2013	221	non-flooded	NaN	308.7	NaN	0.0	0.285	0.209	0.348	0.563	0.263	0.412	0.0	0.3	20.6
2013	222	non-flooded	NaN	309.4	NaN	0.0	0.284	0.207	0.345	0.559	0.261	0.412	0.0	0.3	16.9
2013	223	non-flooded	NaN	301.7	NaN	0.0	0.283	0.206	0.343	0.554	0.260	0.412	0.0	0.3	20.0
2013	224	non-flooded	NaN	264.6	NaN	0.0	0.282	0.206	0.341	0.550	0.259	0.412	0.0	0.3	19.1
2013	225	non-flooded	NaN	293.5	NaN	0.0	0.281	0.205	0.339	0.546	0.258	0.411	0.0	0.3	23.0
2013	226	non-flooded	NaN	319.6	NaN	0.0	0.280	0.204	0.338	0.542	0.257	0.411	0.0	0.3	25.2
2013	227	non-flooded	NaN	315.8	NaN	0.0	0.279	0.203	0.336	0.539	0.256	0.411	0.0	0.3	23.1
2013	228	non-flooded	NaN	324.1	NaN	0.0	0.278	0.202	0.335	0.535	0.254	0.411	0.0	0.3	16.4
2013	229	non-flooded	NaN	293.7	NaN	0.0	0.277	0.201	0.333	0.532	0.254	0.411	0.0	0.3	19.8
2013	230	non-flooded	NaN	320.8	NaN	0.0	0.277	0.200	0.332	0.528	0.252	0.411	0.0	0.3	22.1
2013	231	non-flooded	NaN	298.4	NaN	0.0	0.276	0.200	0.331	0.525	0.251	0.411	0.0	0.3	24.7
2013	232	non-flooded	NaN	310.1	NaN	0.0	0.275	0.198	0.329	0.521	0.250	0.411	0.0	0.3	17.1
2013	233	non-flooded	NaN	313.5	NaN	0.0	0.274	0.197	0.327	0.518	0.249	0.411	0.0	0.3	16.5
2013	234	non-flooded	NaN	274.4	NaN	0.0	0.273	0.196	0.326	0.515	0.248	0.412	0.0	0.3	16.3

[1]Mean volumetric soil moisture considering all layers.

Table S5. Monthly leaf litter mass data.

Date	Leaf litter mass (Mg ha^{-1} month^{-1})	EVI
2004-04-01	0.2736	0.400
2004-05-01	0.4203	0.421
2004-06-01	0.8543	0.444
2004-07-01	0.6668	0.449
2004-08-01	0.6773	0.434
2004-09-01	0.7818	0.422
2004-10-01	0.7624	0.432
2004-11-01	0.8681	0.452
2004-12-01	0.5353	0.454
2005-01-01	0.3622	0.439
2005-02-01	0.3106	0.434
2005-03-01	0.4467	0.407
2005-04-01	0.4138	0.402
2005-05-01	0.3593	0.422

Table S6. Monthly data from 2004 to 2016.

Date	Ta	VPD	Rainfall	CWD	EVI	River level	20cm	40cm	80cm	150cm	220cm	290cm	Mean SM
2004-01-15	25.720	0.457	470.570	0.00	0.441	NA	NA	NA	NA	NA	NA	NA	NA
2004-02-15	25.438	0.451	446.032	0.00	NaN	NA	NA	NA	NA	NA	NA	NA	NA
2004-03-15	26.297	0.557	309.712	0.00	0.433	NA	NA	NA	NA	NA	NA	NA	NA
2004-04-15	26.900	0.743	163.403	0.00	0.417	NA	NA	NA	NA	NA	NA	NA	NA
2004-05-15	28.168	1.358	15.480	-92.52	0.426	NA	NA	NA	NA	NA	NA	NA	NA

2004-06-15	27.351	1.786	4.680	-201.73	0.446	NA	NA	NA	NA	NA	NA	NA	NA
2004-07-15	27.521	1.913	1.435	-307.29	0.445	NA	NA	NA	NA	NA	NA	NA	NA
2004-08-15	28.753	2.286	7.963	-393.33	0.431	NA	NA	NA	NA	NA	NA	NA	NA
2004-09-15	29.407	2.167	26.803	-460.53	0.428	NA	NA	NA	NA	NA	NA	NA	NA
2004-10-15	27.537	0.953	114.613	-442.32	0.437	NA	NA	NA	NA	NA	NA	NA	NA
2004-11-15	26.838	0.682	238.222	-316.09	0.455	NA	NA	NA	NA	NA	NA	NA	NA
2004-12-15	26.552	0.665	142.494	-294.60	0.453	NA	NA	NA	NA	NA	NA	NA	NA
2005-01-15	26.259	0.556	389.102	-30.50	0.435	NA	NA	NA	NA	NA	NA	NA	NA
2005-02-15	26.625	0.605	238.036	0.00	0.438	NA	NA	NA	NA	NA	NA	NA	NA
2005-03-15	25.926	0.473	318.138	0.00	0.407	NA	NA	NA	NA	NA	NA	NA	NA
2005-04-15	27.129	0.839	142.939	0.00	0.406	NA	NA	NA	NA	NA	NA	NA	NA
2005-05-15	26.745	0.988	98.306	-9.69	0.445	NA	NA	NA	NA	NA	NA	NA	NA
2005-06-15	27.300	1.552	0.000	-122.15	0.440	NA	NA	NA	NA	NA	NA	NA	NA
2005-07-15	27.156	1.966	0.000	-228.34	0.443	NA	NA	NA	NA	NA	NA	NA	NA
2005-08-15	28.749	2.381	0.000	-321.70	0.434	NA	NA	NA	NA	NA	NA	NA	NA
2005-09-15	29.572	2.052	19.756	-395.94	0.417	NA	NA	NA	NA	NA	NA	NA	NA
2005-10-15	28.702	1.323	193.931	-298.41	0.462	NA	NA	NA	NA	NA	NA	NA	NA
2005-11-15	27.299	0.861	165.642	-244.77	0.473	NA	NA	NA	NA	NA	NA	NA	NA
2005-12-15	25.901	0.538	446.948	0.00	0.467	NA	NA	NA	NA	NA	NA	NA	NA
2006-01-15	26.648	0.735	125.967	0.00	0.446	299.419	0.552	0.552	0.555	0.516	0.620	0.384	0.552
2006-02-15	26.245	0.588	166.203	0.00	0.437	268.536	0.579	0.579	0.539	0.547	0.630	0.474	0.579
2006-03-15	26.105	0.547	309.602	0.00	0.444	356.548	0.588	0.588	0.545	0.574	0.644	0.468	0.588
2006-04-15	25.477	0.427	411.818	0.00	0.432	530.133	0.596	0.596	0.564	0.595	0.664	0.420	0.596
2006-05-15	26.146	0.717	143.969	0.00	0.410	525.032	0.593	0.593	0.579	0.607	0.665	0.421	0.593
2006-06-15	26.545	1.597	9.521	-104.48	0.413	226.100	0.543	0.543	0.586	0.614	0.584	0.431	0.543
2006-07-15	27.112	1.840	0.012	-211.47	0.448	144.903	0.378	0.378	0.502	0.618	0.392	0.438	0.378
2006-08-15	28.770	2.335	5.927	-299.54	0.445	93.710	0.299	0.299	0.380	0.581	0.331	0.445	0.299
2006-09-15	28.977	1.791	122.313	-271.23	0.442	68.667	0.270	0.270	0.338	0.528	0.320	0.326	0.270
2006-10-15	27.301	0.796	305.905	-61.72	0.458	87.645	0.295	0.295	0.348	0.516	0.411	0.181	0.295
2006-11-15	26.781	0.704	148.005	-25.72	0.463	126.033	0.382	0.382	0.433	0.507	0.508	0.136	0.382
2006-12-15	26.658	0.636	164.871	0.00	0.457	157.742	0.454	0.454	0.521	0.540	0.544	0.111	0.454
2007-01-15	26.928	0.659	200.237	0.00	0.442	270.742	0.482	0.482	0.541	0.549	0.585	0.182	0.482
2007-02-15	25.384	0.454	347.779	0.00	0.430	457.071	0.509	0.509	0.552	0.568	0.595	0.320	0.509
2007-03-15	26.900	0.809	146.702	0.00	0.420	668.097	0.520	0.520	0.560	0.584	0.609	0.365	0.520
2007-04-15	26.837	0.747	125.849	0.00	0.426	667.700	0.528	0.528	0.563	0.592	0.629	0.376	0.528
2007-05-15	27.448	1.160	16.882	-91.12	0.425	326.742	0.531	0.531	0.564	0.591	0.630	0.383	0.531
2007-06-15	27.026	1.674	0.000	-204.48	0.435	154.667	0.492	0.492	0.558	0.585	0.550	0.384	0.492
2007-07-15	27.891	2.007	0.000	-311.48	0.430	98.613	0.336	0.336	0.479	0.575	0.358	0.384	0.336
2007-08-15	28.337	2.437	11.784	-393.69	0.415	67.484	0.267	0.267	0.361	0.526	0.296	0.386	0.267
2007-09-15	29.539	2.456	60.646	-427.05	0.411	53.367	0.251	0.251	0.324	0.467	0.284	0.268	0.251
2007-10-15	28.277	1.347	66.764	-456.68	0.426	51.226	0.292	0.292	0.343	0.459	0.375	0.120	0.292
2007-11-15	27.422	0.910	187.026	-381.66	0.449	54.000	0.390	0.390	0.437	0.456	0.472	0.078	0.390
2007-12-15	26.690	0.697	105.247	-397.41	0.474	95.290	0.472	0.472	0.535	0.494	0.509	0.087	0.472

2008-01-15	26.059	0.587	338.486	-183.92	0.448	138.774	0.503	0.503	0.563	0.508	0.549	0.199	0.503
2008-02-15	25.846	0.557	238.415	-55.51	0.430	261.224	0.524	0.524	0.569	0.528	0.560	0.378	0.524
2008-03-15	25.452	0.500	242.060	0.00	0.420	433.323	0.537	0.537	0.570	0.553	0.574	0.448	0.537
2008-04-15	25.987	0.539	190.048	0.00	0.398	566.267	0.550	0.550	0.567	0.571	0.594	0.453	0.550
2008-05-15	26.559	0.875	117.950	0.00	0.399	432.887	0.557	0.557	0.561	0.581	0.595	0.442	0.557
2008-06-15	26.846	1.651	0.000	-112.13	0.405	179.700	0.520	0.520	0.551	0.585	0.511	0.427	0.520
2008-07-15	26.846	1.921	0.000	-218.57	0.436	106.113	0.366	0.366	0.464	0.584	0.320	0.412	0.366
2008-08-15	29.021	2.556	0.000	-311.88	0.437	64.194	0.297	0.297	0.344	0.542	0.260	0.399	0.297
2008-09-15	29.795	2.192	24.675	-381.21	0.427	46.533	0.281	0.281	0.306	0.492	0.250	0.261	0.281
2008-10-15	28.851	1.598	74.681	-402.93	0.448	41.968	0.323	0.323	0.327	0.494	0.344	0.130	0.323
2008-11-15	26.677	0.689	242.621	-272.31	0.456	46.283	0.425	0.425	0.430	0.492	0.445	0.134	0.425
2008-12-15	25.878	0.539	354.279	-39.03	0.462	156.871	0.504	0.504	0.532	0.526	0.506	0.179	0.504
2009-01-15	26.600	0.652	227.202	0.00	0.448	270.258	0.535	0.535	0.559	0.534	0.576	0.314	0.535
2009-02-15	25.929	0.549	229.346	0.00	0.448	353.179	0.554	0.554	0.562	0.550	0.602	0.444	0.554
2009-03-15	26.533	0.607	182.470	0.00	0.443	444.661	0.559	0.559	0.560	0.567	0.611	0.464	0.559
2009-04-15	25.878	0.466	263.497	0.00	0.421	515.383	0.572	0.572	0.563	0.588	0.626	0.435	0.572
2009-05-15	25.776	0.637	222.936	0.00	0.410	590.065	0.579	0.579	0.569	0.600	0.629	0.417	0.579
2009-06-15	26.650	1.121	8.276	-105.72	0.408	325.200	0.542	0.542	0.569	0.607	0.555	0.428	0.542
2009-07-15	27.542	1.810	0.803	-211.92	0.441	151.452	0.391	0.391	0.494	0.609	0.371	0.437	0.391
2009-08-15	28.942	2.156	8.244	-297.68	0.446	86.145	0.327	0.327	0.385	0.565	0.309	0.450	0.327
2009-09-15	29.221	1.705	31.130	-360.55	0.448	65.167	0.316	0.316	0.357	0.513	0.294	0.350	0.316
2009-10-15	26.981	0.761	239.753	-217.19	0.462	74.581	0.363	0.363	0.388	0.511	0.384	0.228	0.363
2009-11-15	26.952	0.672	199.567	-129.63	0.476	139.767	0.471	0.471	0.485	0.513	0.489	0.210	0.471
2009-12-15	26.190	0.577	223.100	-27.53	0.461	202.677	0.542	0.542	0.567	0.554	0.535	0.212	0.542
2010-01-15	26.482	0.619	225.709	0.00	0.472	400.694	0.559	0.559	0.578	0.569	0.583	0.283	0.559
2010-02-15	27.165	0.688	191.296	0.00	0.419	488.018	0.565	0.565	0.567	0.591	0.594	0.421	0.565
2010-03-15	26.868	0.593	171.882	0.00	0.416	495.267	0.553	0.553	0.563	0.609	0.610	0.463	0.553
2010-04-15	27.807	1.011	228.699	0.00	0.410	500.125	0.547	0.547	0.556	0.615	0.610	0.457	0.547
2010-05-15	29.302	1.567	129.835	0.00	0.427	264.000	0.540	0.540	0.546	0.609	0.576	0.437	0.540
2010-06-15	28.402	1.896	0.000	-111.61	0.452	123.100	0.490	0.490	0.531	0.598	0.462	0.412	0.490
2010-07-15	28.093	2.130	0.000	-218.61	0.441	68.645	0.324	0.324	0.441	0.583	0.272	0.391	0.324
2010-08-15	28.650	2.537	0.000	-311.83	0.418	41.710	0.249	0.249	0.315	0.533	0.224	0.383	0.249
2010-09-15	30.708	2.972	12.147	-393.69	0.391	38.400	0.231	0.231	0.269	0.478	0.225	0.252	0.231
2010-10-15	28.694	1.302	106.103	-383.98	0.407	41.613	0.271	0.271	0.287	0.474	0.317	0.095	0.271
2010-11-15	26.929	0.696	209.859	-286.12	0.456	46.150	0.374	0.374	0.391	0.474	0.411	0.053	0.374
2010-12-15	26.471	0.600	174.419	-232.71	0.471	81.516	0.462	0.462	0.497	0.517	0.449	0.061	0.462
2011-01-15	25.706	0.527	238.794	-118.91	0.440	252.452	0.505	0.505	0.533	0.540	0.515	0.170	0.505
2011-02-15	25.725	0.545	235.643	0.00	0.438	464.732	0.536	0.536	0.547	0.569	0.552	0.343	0.536
2011-03-15	26.197	0.573	312.809	0.00	0.424	664.935	0.549	0.549	0.556	0.596	0.587	0.410	0.549
2011-04-15	26.283	0.622	216.419	0.00	0.397	717.000	0.560	0.560	0.561	0.615	0.613	0.426	0.560
2011-05-15	27.209	1.074	23.561	-84.44	0.421	596.346	0.565	0.565	0.564	0.618	0.621	0.427	0.565
2011-06-15	27.885	1.778	0.000	-198.08	0.444	209.620	0.528	0.528	0.563	0.613	0.539	0.428	0.528
2011-07-15	27.834	2.072	0.000	-305.08	0.459	114.790	0.374	0.374	0.486	0.604	0.340	0.432	0.374

2011-08-15	29.425	2.500	0.000	-396.40	0.453	65.661	0.307	0.307	0.373	0.556	0.271	0.438	0.307
2011-09-15	30.392	2.804	10.237	-480.17	0.438	46.200	0.292	0.292	0.339	0.498	0.254	0.324	0.292
2011-10-15	27.316	0.967	251.386	-325.18	0.481	57.593	0.330	0.330	0.355	0.495	0.358	0.180	0.330
2011-11-15	25.915	0.555	213.767	-223.41	0.487	104.096	0.426	0.426	0.450	0.497	0.473	0.140	0.426
2011-12-15	26.365	0.617	292.213	-52.20	0.481	248.655	0.508	0.508	0.549	0.541	0.528	0.130	0.508
2012-01-15	25.256	0.459	310.622	0.00	NaN	490.846	0.540	0.540	0.576	0.559	0.588	0.218	0.540
2012-02-15	25.875	0.651	237.818	0.00	0.429	577.463	0.560	0.560	0.580	0.584	0.616	0.375	0.560
2012-03-15	26.140	0.584	256.491	0.00	0.436	658.674	0.562	0.562	0.579	0.606	0.633	0.436	0.562
2012-04-15	27.052	0.699	74.592	-32.41	0.412	509.917	0.562	0.562	0.573	0.619	0.621	0.447	0.562
2012-05-15	27.166	1.069	155.647	0.00	0.430	260.333	0.556	0.556	0.562	0.618	0.589	0.441	0.556
2012-06-15	27.290	1.305	23.930	-90.07	0.444	149.860	0.507	0.507	0.545	0.609	0.491	0.429	0.507
2012-07-15	27.505	1.983	0.000	-197.07	0.430	83.217	0.343	0.343	0.452	0.595	0.301	0.416	0.343
2012-08-15	28.117	2.402	0.000	-290.38	0.419	50.500	0.268	0.268	0.331	0.541	0.242	0.406	0.268
2012-09-15	29.368	2.155	11.587	-372.79	0.401	48.679	0.248	0.248	0.293	0.484	0.231	0.273	0.248
2012-10-15	28.594	1.359	89.066	-380.13	0.422	46.484	0.290	0.290	0.314	0.482	0.324	0.120	0.290
2012-11-15	26.698	0.632	238.509	-253.62	0.489	48.300	0.394	0.394	0.417	0.483	0.423	0.071	0.394
2012-12-15	26.777	0.676	238.123	-136.49	0.448	109.242	0.480	0.480	0.522	0.525	0.476	0.077	0.480
2013-01-15	26.195	0.553	364.147	0.00	0.445	154.177	0.518	0.518	0.557	0.543	0.536	0.190	0.518
2013-02-15	26.528	0.631	235.382	0.00	0.449	349.536	0.541	0.541	0.568	0.568	0.559	0.367	0.541
2013-03-15	26.762	0.615	327.998	0.00	0.433	416.855	0.546	0.546	0.570	0.590	0.582	0.439	0.546
2013-04-15	27.159	0.740	178.922	0.00	0.416	501.150	0.550	0.550	0.566	0.604	0.610	0.444	0.550
2013-05-15	27.390	0.961	43.079	-64.92	0.423	390.468	0.549	0.549	0.559	0.609	0.607	0.434	0.549
2013-06-15	27.512	1.333	8.370	-160.22	0.447	164.550	0.511	0.511	0.548	0.604	0.514	0.419	0.511
2013-07-15	28.133	1.901	7.639	-259.58	0.445	83.306	0.358	0.358	0.467	0.595	0.312	0.411	0.358
2013-08-15	29.260	2.479	3.269	-350.31	0.429	46.774	0.293	0.293	0.351	0.546	0.245	0.410	0.293
2013-09-15	29.793	2.063	42.945	-401.37	0.431	45.000	0.279	0.279	0.316	0.490	0.228	0.284	0.279
2013-10-15	28.387	1.351	145.192	-352.57	0.437	36.129	0.319	0.319	0.336	0.486	0.323	0.139	0.319
2013-11-15	26.173	0.623	209.141	-255.43	0.481	44.071	0.420	0.420	0.435	0.486	0.446	0.103	0.420
2013-12-15	26.130	0.563	307.659	-84.85	0.486	122.346	0.504	0.504	0.536	0.527	0.511	0.110	0.504
2014-01-15	25.897	0.589	226.989	0.00	0.449	421.806	0.539	0.539	0.566	0.543	0.577	0.217	0.539
2014-02-15	25.503	0.483	375.624	0.00	0.481	546.929	0.562	0.562	0.573	0.565	0.589	0.385	0.562
2014-03-15	25.930	0.541	332.283	0.00	0.445	659.355	0.567	0.567	0.576	0.585	0.604	0.447	0.567
2014-04-15	26.667	0.675	203.603	0.00	0.442	660.783	0.570	0.570	0.574	0.597	0.624	0.461	0.570
2014-05-15	27.406	0.979	52.706	-55.29	0.445	548.783	0.567	0.567	0.569	0.599	0.624	0.459	0.567
2014-06-15	27.614	1.625	15.072	-154.22	0.457	234.229	0.522	0.522	0.558	0.597	0.542	0.453	0.522
2014-07-15	28.041	1.995	0.000	-261.22	0.459	123.339	0.361	0.361	0.471	0.590	0.350	0.444	0.361
2014-08-15	28.915	2.352	0.962	-354.26	0.445	66.113	0.287	0.287	0.349	0.544	0.289	0.438	0.287
2014-09-15	28.914	1.737	45.741	-402.52	0.434	49.100	0.266	0.266	0.307	0.489	0.277	0.310	0.266
2014-10-15	27.802	1.223	173.788	-325.13	0.427	45.339	0.304	0.304	0.324	0.485	0.368	0.155	0.304
2014-11-15	26.835	0.699	200.523	-236.61	0.470	52.833	0.405	0.405	0.424	0.485	0.464	0.104	0.405
2014-12-15	26.272	0.632	276.218	-81.39	0.469	172.258	0.490	0.490	0.526	0.526	0.500	0.095	0.490
2015-01-15	26.304	0.679	211.052	0.00	0.462	277.790	0.525	0.525	0.556	0.542	0.541	0.187	0.525
2015-02-15	26.130	0.627	189.750	0.00	0.450	264.554	0.548	0.548	0.564	0.565	0.552	0.345	0.548

2015-03-15	26.419	0.645	260.524	0.00	0.438	420.742	0.553	0.553	0.566	0.584	0.568	0.408	0.553
2015-04-15	26.648	0.621	226.695	0.00	0.436	583.086	0.556	0.556	0.565	0.596	0.589	0.422	0.556
2015-05-15	27.317	0.924	47.409	-60.59	0.425	599.950	0.554	0.554	0.559	0.599	0.592	0.420	0.554
2015-06-15	28.065	1.761	0.000	-174.59	0.438	310.967	0.509	0.509	0.549	0.596	0.513	0.414	0.509
2015-07-15	28.201	1.912	7.548	-274.04	0.461	139.710	0.349	0.349	0.463	0.590	0.322	0.405	0.349
2015-08-15	29.340	2.506	1.968	-366.08	0.452	71.968	0.274	0.274	0.340	0.544	0.262	0.399	0.274
2015-09-15	30.794	2.390	29.582	-430.49	0.432	49.867	0.252	0.252	0.298	0.489	0.252	0.273	0.252
2015-10-15	29.627	1.647	78.017	-448.88	0.433	44.306	0.290	0.290	0.315	0.484	0.344	0.116	0.290
2015-11-15	28.598	1.153	141.618	-419.26	0.471	39.393	0.390	0.390	0.413	0.484	0.442	0.066	0.390
2015-12-15	28.159	1.037	139.365	-400.89	0.477	19.400	0.475	0.475	0.516	0.526	0.481	0.056	0.475
2016-01-15	26.437	0.532	363.660	-162.23	0.468	100.919	0.511	0.511	0.547	0.542	0.523	0.147	0.511
2016-02-15	28.850	1.182	74.970	-197.26	0.446	305.672	0.534	0.534	0.555	0.564	0.534	0.307	0.534
2016-03-15	27.410	0.679	201.240	-117.02	0.429	302.145	0.539	0.539	0.557	0.584	0.551	0.370	0.539
2016-04-15	28.356	1.038	87.450	-136.57	0.436	261.760	0.542	0.542	0.555	0.595	0.572	0.383	0.542
2016-05-15	28.856	1.438	22.417	-222.16	0.425	156.984	0.539	0.539	0.550	0.598	0.574	0.381	0.539
2016-06-15	27.897	1.520	21.008	-315.15	0.433	67.217	0.493	0.493	0.539	0.596	0.491	0.375	0.493
2016-07-15	28.240	2.265	0.000	-422.15	0.426	33.226	0.331	0.331	0.450	0.589	0.302	0.366	0.331
2016-08-15	30.143	2.616	2.313	-513.84	0.409	7.389	0.259	0.259	0.329	0.542	0.244	0.360	0.259
2016-09-15	30.142	2.196	58.607	-549.23	0.413	20.717	0.239	0.239	0.288	0.488	0.235	0.228	0.239
2016-10-15	28.322	1.165	92.354	-556.25	0.469	26.145	0.278	0.278	0.307	0.484	0.329	0.076	0.278
2016-11-15	27.801	0.877	161.855	-506.40	0.486	27.130	0.379	0.379	0.407	0.484	0.426	0.026	0.379
2016-12-15	26.885	0.680	233.889	-393.51	0.466	27.000	0.462	0.462	0.508	0.526	0.463	0.018	0.462