

Foxley Wood Analysis

Foxley

Soil type in all areas was clay – further detailed soil analysis was not conducted

GROUP 1: Fox01 to fox05 were obtained from a young stand of oaks on the North edge of the wood. This stand was the most 'wooded' area sampled – ie the trees were not on the very boundary of the wood. Core length of these five trees ranged from 46 years to 93 years. They have a mean correlation with the master chronology of **0.574**.

GROUP 2: Fox06 to fox13 were obtained from the eastern boundary of the wood along Fir Lane road. These trees ranged in age from 79 to 213 years old. These trees have a mean correlation with the master of **0.48**. This group is the oldest group sampled.

GROUP 3: Fox14 to Fox18 were sampled along the south-eastern boundary of the wood, again as the trees on the edge as these were suspected to be of greatest age. These trees ranged from 55 to 107 years old, and had a mean correlation with the master chronology of **0.588**.

GROUP 4: Fox19 to Fox21 were taken from just outside the wood, alongside the main Reepham Road. These trees ranged in age from 135 to 156 years old, and had a mean correlation to the master chronology of **0.42**.

GROUP 5: Fox22 to Fox27 were taken from the south-western boundary of the wood. These had an age range of 134 to 183 years old, and a mean correlation to the master chronology of **0.528**.

GROUP 6: Fox28 to Fox30 were obtained close to group 5, but slightly further into the wood. Ages ranged from 77 to 148 years old, with a mean correlation to the master chronology of **0.553**.

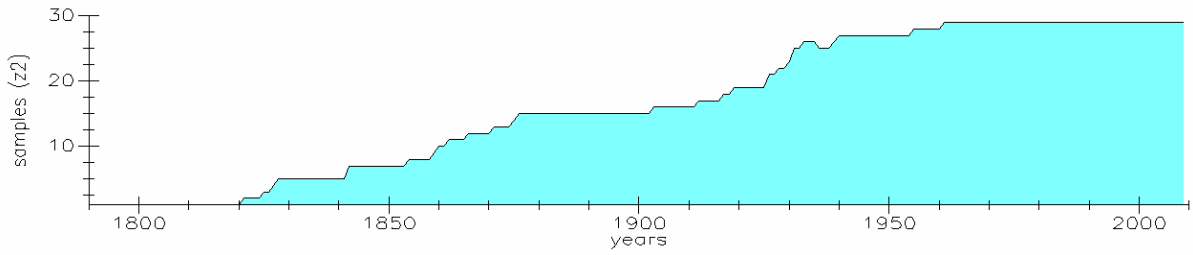
The maximum distance between groups 1 and 4 was 1.41 kilometres.

RAW PRE-EPS chronology statistics – 1797-2009

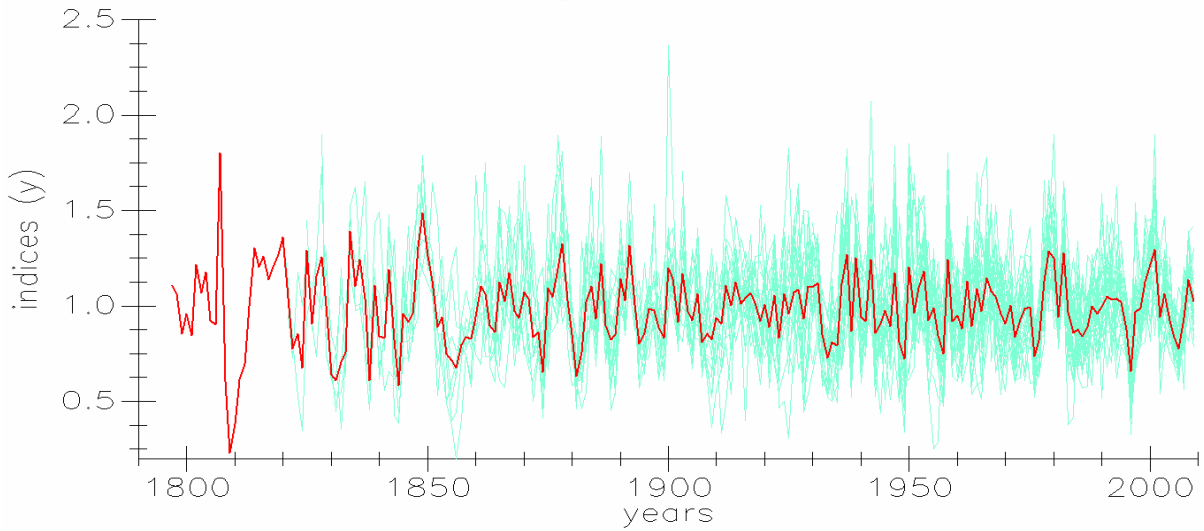
Cores	Initial First Year	Last Year	Age (yrs)	Mean Ring Width (mm)	Standard Deviation	Correlation with Chronology	RBAR
Fox01	1931	2009	79	3.45	1.02	0.53	0.36
Fox 02	1926	2009	84	3.26	1.47	0.66	0.43
Fox 03	1961	2009	49	6.90	1.87	0.61	0.39
Fox04	1926	2009	84	2.90	1.36	0.54	0.36
Fox05	1917	2009	93	2.92	0.73	0.53	0.36
Fox06	1828	2009	182	1.82	0.87	0.53	0.42
Fox07	1842	2009	168	1.94	0.83	0.51	0.36
Fox08	1821	2009	189	1.64	0.95	0.34	0.44
Fox09	1797	2009	213	1.51	0.86	0.51	0.32
Fox10	1912	2009	98	3.44	1.65	0.69	0.45
Fox12	1931	2009	79	3.69	1.26	0.41	0.27
Fox13	1825	2009	185	1.91	1.22	0.47	0.37
Fox14	1939	2009	71	3.36	1.61	0.56	0.36
Fox15	1928	2009	82	3.19	1.32	0.44	0.30
Fox16	1955	2009	55	5.08	1.67	0.61	0.39
Fox17	1903	2009	107	3.26	1.41	0.65	0.43
Fox18	1919	2009	91	3.11	1.10	0.68	0.43
Fox19	1871	2009	139	1.90	1.07	0.40	0.29
Fox20	1854	2009	156	2.42	1.84	0.38	0.27
Fox21	1875	2009	135	2.75	1.47	0.48	0.32
Fox22	1866	2009	144	2.41	1.03	0.45	0.30
Fox23	1842	2009	168	2.13	1.19	0.50	0.33
Fox24	1876	2009	134	2.47	0.79	0.61	0.41
Fox25	1827	2009	183	2.09	0.85	0.46	0.39
Fox26	1860	2009	150	2.71	1.04	0.58	0.39
Fox27	1859	2009	151	2.13	0.69	0.57	0.39
Fox28	1930	2009	80	3.66	1.39	0.47	0.31
Fox29	1862	2009	148	1.96	0.72	0.56	0.34
Fox30	1933	2009	77	4.55	1.32	0.63	0.41
MEAN	1887	2009	123	2.57	1.19	0.53	0.37

Raw chronology stats

Year	1800	1825	1850	1875	1900	1925	1950	1975	Mean Core
To	1849	1874	1899	1924	1949	1974	1999	2024	
<i>Fox01</i>						0.54	0.65	0.59	0.59
<i>Fox 02</i>						0.57	0.64	0.67	0.63
<i>Fox 03</i>							0.61	0.61	0.61
<i>Fox04</i>						0.44	0.62	0.70	0.59
<i>Fox05</i>					0.58	0.62	0.53	0.45	0.54
<i>Fox06</i>		0.62	0.69	0.70	0.70	0.71	0.76	0.59	0.68
<i>Fox07</i>		0.49	0.46	0.61	0.75	0.60	0.47	0.57	0.56
<i>Fox08</i>	0.30	0.43	0.36	0.42	0.65	0.82	0.87	0.77	0.58
<i>Fox09</i>	0.53	0.54	0.49	0.49	0.54	0.59	0.50	0.47	0.52
<i>Fox10</i>					0.61	0.67	0.74	0.78	0.70
<i>Fox12</i>						0.41	0.41	0.47	0.43
<i>Fox13</i>		0.65	0.68	0.57	0.55	0.56	0.57	0.57	0.59
<i>Fox14</i>						0.64	0.49	0.43	0.52
<i>Fox15</i>						0.41	0.55	0.49	0.48
<i>Fox16</i>							0.60	0.64	0.62
<i>Fox17</i>					0.67	0.72	0.66	0.60	0.66
<i>Fox18</i>					0.67	0.70	0.72	0.67	0.69
<i>Fox19</i>			0.29	0.34	0.43	0.48	0.49	0.45	0.41
<i>Fox20</i>			0.42	0.63	0.40	0.40	0.43	0.37	0.44
<i>Fox21</i>				0.45	0.41	0.46	0.60	0.51	0.49
<i>Fox22</i>			0.52	0.60	0.35	0.43	0.54	0.46	0.48
<i>Fox23</i>		0.53	0.60	0.55	0.63	0.60	0.38	0.46	0.54
<i>Fox24</i>				0.55	0.49	0.59	0.74	0.76	0.63
<i>Fox25</i>		0.48	0.60	0.71	0.67	0.57	0.53	0.66	0.60
<i>Fox26</i>			0.53	0.68	0.70	0.61	0.57	0.65	0.62
<i>Fox27</i>			0.67	0.55	0.58	0.62	0.60	0.71	0.62
<i>Fox28</i>						0.49	0.41	0.51	0.47
<i>Fox29</i>			0.66	0.53	0.55	0.54	0.55	0.57	0.57
<i>Fox30</i>						0.68	0.64	0.66	0.66
MEAN	0.41	0.53	0.54	0.56	0.58	0.57	0.58	0.58	0.57
<i>Hethersett</i>		0.20	0.30	0.50	0.70	0.79	0.79	0.80	0.58
<i>Felbrigg</i>	0.48	0.52	0.61	0.55	0.60	0.75	0.79	0.77	0.63
<i>Sotterly</i>	0.26	0.31	0.53	0.50	0.66	0.69	0.65	0.69	0.54
<i>Blickling</i>	0.50	0.55	0.65	0.62	0.74	0.78	0.76	0.77	0.67
<i>Babingley</i>		0.67	0.62	0.66	0.65	0.78	0.79		0.69
<i>Norfolk</i>	0.51	0.55	0.74	0.72	0.85	0.90	0.89	0.90	0.76



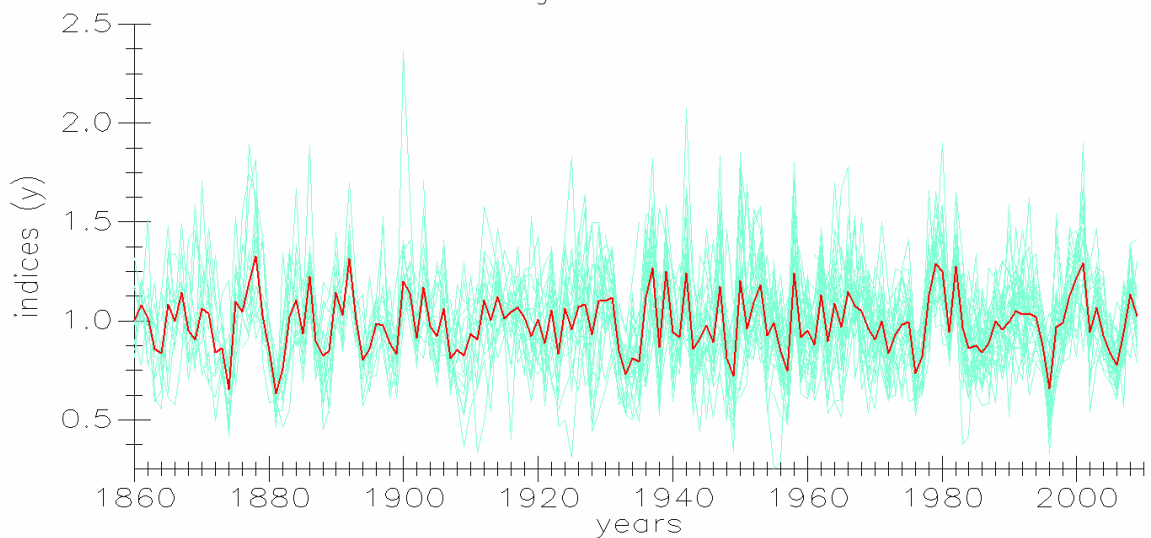
tree ring indices with mean



An EPS of 0.854 is achieved when 10 or more trees are present. This means removing the start of the chronology from 1797-1860.

EPS adjusted ring indices

tree ring indices with mean



EPS adjusted chronology statistics

Cores	Initial First Year	EPS First Year	Last Year	Age (yrs)	Mean Ring Width (mm)	Standard Deviation	Correlation with Chronology	RBAR
<i>Fox01</i>	1931	1931	2009	79	3.45	1.02	0.53	0.36
<i>Fox 02</i>	1926	1926	2009	84	3.26	1.47	0.66	0.43
<i>Fox 03</i>	1961	1961	2009	49	6.90	1.87	0.60	0.38
<i>Fox04</i>	1926	1926	2009	84	2.90	1.36	0.53	0.35
<i>Fox05</i>	1917	1917	2009	93	2.92	0.73	0.53	0.36
<i>Fox06</i>	1828	1860	2009	150	1.73	0.82	0.65	0.42
<i>Fox07</i>	1842	1860	2009	150	1.98	0.83	0.54	0.35
<i>Fox08</i>	1821	1860	2009	150	1.78	1.00	0.61	0.44
<i>Fox09</i>	1797	1860	2009	150	1.25	0.52	0.47	0.32
<i>Fox10</i>	1912	1912	2009	98	3.44	1.65	0.69	0.45
<i>Fox12</i>	1931	1931	2009	79	3.69	1.26	0.42	0.28
<i>Fox13</i>	1825	1860	2009	50	1.75	1.01	0.55	0.36
<i>Fox14</i>	1939	1939	2009	71	3.36	1.61	0.56	0.36
<i>Fox15</i>	1928	1928	2009	82	3.19	1.32	0.44	0.30
<i>Fox16</i>	1955	1955	2009	55	5.08	1.67	0.61	0.40
<i>Fox17</i>	1903	1903	2009	107	3.26	1.41	0.64	0.43
<i>Fox18</i>	1919	1919	2009	91	3.11	1.10	0.69	0.43
<i>Fox19</i>	1871	1871	2009	139	1.90	1.07	0.40	0.29
<i>Fox20</i>	1854	1860	2009	150	2.31	1.77	0.45	0.28
<i>Fox21</i>	1876	1876	2009	134	2.75	1.47	0.48	0.32
<i>Fox22</i>	1866	1860	2009	150	2.41	1.03	0.44	0.30
<i>Fox23</i>	1842	1860	2009	150	1.89	0.76	0.54	0.34
<i>Fox24</i>	1876	1876	2009	134	2.47	0.79	0.61	0.42
<i>Fox25</i>	1827	1860	2009	150	1.97	0.76	0.61	0.39
<i>Fox26</i>	1860	1860	2009	150	2.71	1.04	0.58	0.39
<i>Fox27</i>	1859	1860	2009	150	2.13	0.69	0.58	0.39
<i>Fox28</i>	1930	1930	2009	80	3.66	1.39	0.47	0.31
<i>Fox29</i>	1862	1862	2009	148	1.96	0.72	0.56	0.34
<i>Fox30</i>	1933	1933	2009	77	4.55	1.32	0.63	0.41
<i>MEAN</i>	1887	1898	2009	114	2.59	1.15	0.55	0.37

Year	1850	1875	1900	1925	1950	1975	Mean Core
To	1899	1924	1949	1974	1999	2024	
<i>Fox01</i>				0.54	0.65	0.59	0.59
<i>Fox 02</i>				0.56	0.64	0.67	0.62
<i>Fox 03</i>					0.60	0.60	0.60
<i>Fox04</i>				0.44	0.61	0.69	0.58
<i>Fox05</i>			0.58	0.62	0.52	0.44	0.54
<i>Fox06</i>	0.69	0.70	0.69	0.71	0.77	0.60	0.69
<i>Fox07</i>	0.48	0.61	0.75	0.59	0.47	0.58	0.58
<i>Fox08</i>	0.37	0.44	0.63	0.81	0.88	0.79	0.65
<i>Fox09</i>	0.49	0.49	0.56	0.57	0.50	0.49	0.52
<i>Fox10</i>			0.61	0.67	0.75	0.79	0.70
<i>Fox12</i>				0.41	0.41	0.47	0.43
<i>Fox13</i>	0.63	0.56	0.55	0.56	0.57	0.60	0.58
<i>Fox14</i>				0.63	0.49	0.42	0.52
<i>Fox15</i>				0.41	0.54	0.48	0.48
<i>Fox16</i>					0.61	0.65	0.63
<i>Fox17</i>			0.67	0.72	0.65	0.59	0.66
<i>Fox18</i>			0.67	0.70	0.72	0.67	0.70
<i>Fox19</i>	0.28	0.34	0.43	0.49	0.50	0.46	0.42
<i>Fox20</i>	0.59	0.61	0.40	0.40	0.44	0.38	0.47
<i>Fox21</i>		0.45	0.42	0.47	0.60	0.51	0.49
<i>Fox22</i>	0.52	0.59	0.34	0.43	0.54	0.46	0.48
<i>Fox23</i>	0.61	0.55	0.62	0.58	0.39	0.49	0.54
<i>Fox24</i>		0.56	0.50	0.59	0.74	0.76	0.63
<i>Fox25</i>	0.69	0.72	0.67	0.57	0.53	0.65	0.64
<i>Fox26</i>	0.54	0.69	0.69	0.61	0.57	0.65	0.63
<i>Fox27</i>	0.67	0.55	0.58	0.62	0.60	0.71	0.62
<i>Fox28</i>				0.49	0.41	0.51	0.47
<i>Fox29</i>	0.66	0.54	0.55	0.54	0.55	0.57	0.57
<i>Fox30</i>				0.68	0.64	0.67	0.67
MEAN	0.56	0.56	0.58	0.57	0.58	0.58	0.57
<i>EPSHethersett</i>	0.53	0.50	0.69	0.79	0.79	0.80	0.68
<i>EPSFelbrigg</i>	0.68	0.54	0.59	0.74	0.79	0.76	0.68
<i>EPS Sotterly</i>	0.58	0.51	0.66	0.69	0.65	0.70	0.63
<i>EPSBlickling</i>	0.71	0.63	0.74	0.78	0.76	0.78	0.73
<i>EPSBabingley</i>	0.58	0.65	0.64	0.78	0.79		0.69
<i>EPSNorfolk</i>	0.79	0.73	0.84	0.90	0.90	0.90	0.84

Location of Foxley Wood oak

- = Location
- IV = Photograph position
- 1 = Core number

PUT COMPASS ARROWS ON WE KNOW WHICH IS NORTH



Photographs of Foxley Wood oak

