

Dendrokronologisk Laboratorium

NNU rapport 26, 1997

LØJT KIRKE, ÅBENRÅ AMT

Løjt kirkes menighedsråd.

Indsendt af Sognepræst Jens Bruun.

Undersøgt af Orla Hylleberg Eriksen.

NNU j.nr. A7852

Tagkonstruktion, kor og tårn

I alt er 24 prøver af *Quercus sp.*, eg, undersøgt, 15 er dateret. 16 havde splint bevaret, heraf én med barkkant. 21 prøver er udta get af tagkonstruktionen over kirkens kor, og 3 prøver er udta get af løstliggende tømmerstykker, som stammer fra tårnets tømmerkonstruktion.

Kor

De daterede prøver relaterer sig til 3 perioder.

1. periode repræsenteres af prøver fra 7 prøver: nordside, spær 8, 9 og 10 fra vest og sydside, spær 8-11 fra vest. Årringskurverne fra de daterede prøver kan sammenregnes til en middelkurve på 108 år. Yngste bevarede år dannet i 1276 tæt på barkkant (19 splint år). Fældningstidspunktet for træerne, der har leveret tømmer til prøverne er beregnet til ca. 1277. Alle disse prøver stammer fra den østligste del af korets tagkonstruktion.

2. periode repræsenteres af en spærstiver fra nord siden, 1. fra vest. Yngste bevarede år dannet i 1497. Prøven havde 2 splintår bevaret. Fældningstidspunktet for træet, der har leveret tømmer til prøven er beregnet til ca. 1515. Prøven stammer fra det vestligste spærfag i korets tagkonstruktion.

3. periode repræsenteres af 6 prøver: nordside 7. og 9. spær fra vest, og sydside, spær 4, 5 og 7 fra vest, samt en spærstiver: nordside 4. fra vest. Yngste bevarede årring er dannet i 1694 (13 splintår). Fældningstidspunktet for træerne, der har leveret tømmer til prøverne er beregnet til ca. 1700.

Tårn

Den daterede prøve fra tårnet repræsenteres af "Ankerem" (formentlig ankerrem), som er dateret til 1686/87, vinterfældning. Kurven fra prøven synkroniserer med kurverne fra de daterede prøver fra 3. periode fra koret og kan sammenregnes med disse til en middelkurve på 78 år.

Splintstatistik: Bonde, upubl.

A7852 Løjt kirke Synkronisering mod grundkurver (t-værdier)			
	Vest-Danmark	Slesvig-Holsten	Fyn
5068M001, kor 1. periode, 1169-1276	8,09	3,86	5,78
50680249, kor 2. periode, 1429-1497	7,09	4,07	ingen overlap
5068M003, kor 3. periode, 1617-1694	7,61	5,66	ingen overlap
50681019, tårn, 1637-1686	5,05	1,99	ingen overlap
5068M004, kor og tårn, 1617-1694	7,36	5,53	ingen overlap

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English summary:

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Roof construction, chancel and tower

In all 24 samples of *Quercus sp.*, oak, were examined. 15 are dated. 16 had sapwood preserved, of which one had bark edge. 21 samples were taken from the roof construction above the chancel, and 3 samples were taken from the scattered timber pieces, which originate from the tower construction.

Chancel

The dated samples relate to 3 periods in time.

1st period is represented by 7 samples: North side, rafters 8, 9 and 10 counted from west and south side, rafters 8-11 counted from west. The curves from the dated samples cross-date and can be averaged to one curve of 108 years. The outermost preserved tree-ring was formed in 1276, close to the bark edge (19 years of sapwood). The felling date for the trees from which the samples derive can be estimated to c. 1277. These samples were taken from rafters located at the eastern end of the roof construction of the chancel.

2nd period is represented by one ashlar piece from the north side (1st from west). The outermost preserved tree-ring was formed in 1497. The sample had two rings of

sapwood preserved. The felling date for the tree from which the sample derives can be estimated to c. 1515. The sample was taken from an ashlar piece located at the western end of the roof construction of the chancel.

3rd period is represented by five samples: north side 7th and 8th rafters from west, and south side rafters 4, 5 and 7 from west, plus the 4th ashlar piece from west. The outermost preserved tree-ring was formed in 1694 (13 years of sapwood). The felling time for the trees from which the samples derive is estimated to c. 1700.

Tower

The dated sample from the tower, represented by the "Ankerrem" (should probably be ankerrem, which means anchor wall plate) is dated to 1686/87, winter felling. The curve from the sample cross-dates with the dated curves from the 3rd period from the chancel, and can be averaged with these to a curve of 78 years.

Sapwood statistic: Bonde, unpubl.

A7852 Løjt kirke Cross-matching with master-chronologies (t-values)			
	Vest-Danmark	Slesvig-Holsten	Fyn
5068M001, kor 1st period, 1169-1276	8,09	3,86	5,78
50680249, kor 2nd period, 1429-1497	7,09	4,07	no overlap
5068M003, kor 3rd period, 1617-1694	7,61	5,66	no overlap
50681019, tower, 1637-1686	5,05	1,99	no overlap
5068M004, chancel and tower, 1617-1694	7,36	5,53	no overlap

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