

Online-Material zum Beitrag von Felix Zitzmann & Sören Budig:

Einfluss verschiedener Habitat- und Landschaftsparameter auf röhrichtbrütende Singvögel in ausgewählten Schilfröhrichten Niedersachsens (Vogelwarte 63: 115–130)

Anhang 1: Liste der untersuchten Bestände, Röhrichte und ihrer Standorte. Röhricht-Typen: Landröhricht (LR), Wasserröhricht an Fließgewässern (WR-F), Wasserröhricht an Stillgewässern (WR-S). – *List of the surveyed stands, reedbeds and their locations. Reedbed types: Terrestrial reedbed (LR), water reedbed on rivers/streams (WR-F), water reedbed on standing waters (WR-S).*

Bestand Nr. <i>Stand no.</i>	Röhricht Nr. <i>reedbed no.</i>	Landkreis <i>district</i>	GPS-Koordinaten <i>GPS coordinates</i>	Fläche <i>area (ha)</i>	Röhricht-Typ <i>Reedbed type</i>
1	1	Wesermarsch	53°17'21.5″N 8°28'36.9″E	1,9	LR
2	2		53°17'24.9″N 8°29'02.3″E	11,6	WR-F
3			53°17'08.9″N 8°28'57.5″E		WR-F
4	3		53°16'08.8″N 8°27'52.7″E	34,8	WR-S
5			53°16'10.1″N 8°27'43.0″E		WR-S
6	4		53°13'16.0″N 8°28'22.4″E	6,9	WR-F
7			53°13'08.5″N 8°28'30.8″E		WR-F
8	5		53°11'03.2″N 8°31'26.6″E	31	WR-F
9			53°11'10.5″N 8°31'11.5″E		WR-F
10			53°11'16.5″N 8°31'12.7″E		WR-F
11	6		53°10'15.2″N 8°34'32.8″E	2,1	WR-F
12	7		53°23'36.7″N 8°27'01.6″E	1,2	LR
13	8		53°26'21.2″N 8°28'49.6″E	24,7	WR-F
14			53°26'09.5″N 8°28'58.0″E		WR-F
15	9	Cuxhaven	53°26'41.7″N 8°33'17.2″E	8,4	LR
16			53°26'38.8″N 8°33'29.7″E	8,4	LR
17	10		53°24'17.1″N 8°30'21.0″E	15,8	WR-F
18			53°24'27.7″N 8°30'18.7″E		WR-F
19			53°24'37.7″N 8°30'17.0″E		WR-F
20	11		53°24'15.2″N 8°30'27.9″E	7,7	LR
21	12		53°24'06.7″N 8°30'21.2″E	25,2	WR-F
22			53°23'50.4″N 8°30'20.3″E		WR-F
23			53°23'37.6″N 8°30'20.1″E		WR-F
24	13		53°24'09.1″N 8°32'43.1″E	2,1	LR
25	14		53°24'04.3″N 8°32'50.5″E	1,3	LR
26	15		53°23'37.3″N 8°32'57.8″E	4,2	LR
27	16		53°22'57.0″N 8°33'03.4″E	99,5	LR
28			53°23'00.7″N 8°33'29.9″E		LR
29			53°22'51.3″N 8°33'43.8″E		LR
30			53°22'41.3″N 8°33'43.8″E		LR
31	17	Hannover	52°28'57.4″N 9°22'59.8″E	25,6	WR-S
32	18		52°28'58.6″N 9°23'32.7″E	1,7	LR
33	19		52°29'19.3″N 9°28'30.4″E	1,9	WR-S
34	20		52°29'14.6″N 9°28'35.6″E	2,3	LR
35	21		52°26'40.8″N 9°29'06.0″E	2,1	LR
36	22		52°22'41.5″N 10°00'26.9″E	1,7	LR
37	23		52°22'33.7″N 10°00'35.7″E	8	WR-S
38			52°22'28.4″N 10°00'37.8″E		WR-S
39	24		52°21'32.9″N 10°03'24.3″E	1,9	LR

Anhang 2: Gesamtübersicht über den Einfluss der verschiedenen Habitat- und Landschaftsparameter auf die Zielvariablen, aufgeteilt nach den drei räumlichen Betrachtungsebenen. Angegeben ist der Punktschätzer der Effektgröße und das zugehörige 95 % Konfidenzintervall in eckigen Klammern. X = Keine Analyse möglich, da das Modell nicht konvergierte. – *Overview on the effect of the different habitat and landscape parameters on the target variables, split by the three spatial scales. Shown is the point estimate of the effect size and the corresponding 95 % confidence interval in square brackets. * $p < 0,05$; ** $p < 0,01$; *** $p < 0,001$; X = No analysis possible as the model did not converge.*

	Anzahl Arten – gesamt <i>total no. of species</i>	Anzahl Reviere – gesamt <i>total no. of territories</i>	Anzahl Arten – Röhrichtbrüter <i>reedbed breeders no. of species</i>	Anzahl Reviere –Röhrichtbrüter <i>reedbed breeders no. of territories</i>	Teichrohrsänger <i>Reed warbler</i>	Rohrammer <i>Reed bunting</i>	Blaukehlchen <i>Bluethroat</i>	Schilfrohrsänger <i>Sedge warbler</i>
Bestandsebene – stand level								
Schilfröhricht, ungemäht	1,004 * [1,001–1,008]	1,004 *** [1,002–1,007]	1,004 * [1,001–1,006]	1,004 *** [1,003–1,006]	1,001 [1,000–1,002]	1,004 * [1,000–1,007]	X	1,024 *** [1,014–1,034]
Gras-Krautvegetation	1,008 *** [1,005–1,012]	1,006 *** [1,004–1,009]	1,004 ** [1,001–1,008]	1,004 * [1,001–1,007]	0,992 ** [0,987–0,997]	1,004 [0,997–1,010]	X	1,025 *** [1,013–1,037]
Offene Wasserfläche	0,992 [0,977–1,006]	0,990 * [0,982–0,999]	1,001 [0,993–1,008]	0,992 * [0,987–0,998]	0,993 [0,978–1,008]	0,992 [0,972–1,013]	X	0,850 * [0,723–0,999]
Büsche/Gebüsch	1,087 *** [1,052–1,123]	1,044 * [1,005–1,084]	0,965 [0,926–1,006]	0,930 *** [0,897–0,965]	0,941 * [0,896–0,989]	1,016 [0,959–1,075]	X	0,690 [0,459–1,038]
Bäume/Baumgruppen	1,053 *** [1,037–1,069]	1,028 * [1,004–1,053]	0,982 ** [0,969–0,995]	0,997 [0,980–1,015]	1,048 ** [1,013–1,085]	1,023 [0,995–1,052]	X	0,728 ** [0,580–0,914]
Grenzlinie Wasser	0,999 [0,998–1,000]	1,001 [1,000–1,003]	0,999 [0,997–1,001]	1,000 [0,999–1,002]	1,002 [1,000–1,003]	0,999 [0,997–1,001]	X	1,006 *** [1,003–1,009]
Flächengröße	1,000 [0,995–1,005]	1,000 [0,995–1,005]	1,003 [0,998–1,008]	1,001 [0,999–1,003]	1,001 [0,992–1,010]	0,996 [0,992–1,000]	X	0,987 [0,972–1,000]
Entf. nächstes Röhricht	1,000 [1,000–1,000]	1,000 [1,000–1,000]	1,000 [1,000–1,000]	1,000 [1,000–1,000]	1,000 [1,000–1,000]	1,000 [1,000–1,000]	X	1,002 *** [1,002–1,003]
Direktes Umfeld – Direct area surrounding (100 m)								
Grünland (%)	1,009 * [1,00–1,02]	1,011 *** [1,006–1,02]	1,000 [0,994–1,01]	1,008 *** [1,004–1,012]	1,002 [0,991–1,014]	1,008 ** [1,003–1,013]	1,033 [0,999–1,069]	1,712 [0,067–43,500]
Schilfröhricht, ungemäht	1,012 ** [1,003–1,02]	1,012 *** [1,007–1,02]	1,007 * [1,000–1,01]	1,006 *** [1,003–1,008]	1,002 [0,993–1,011]	0,999 [0,994–1,004]	1,021 * [1,003–1,039]	1,910 [0,079–46,500]
Brache/Ruderalvegetation	1,020 *** [1,008–1,03]	1,020 *** [1,014–1,03]	1,005 [0,997–1,01]	1,012 *** [1,008–1,016]	1,012 [0,997–1,026]	1,008 [0,999–1,017]	1,080 *** [1,030–1,130]	2,119 [0,085–52,600]

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Gehölz	0,994 [0,982–1,01]	0,993 [0,985–1,00]	0,980 *** [0,970–0,99]	0,988 *** [0,982–0,995]	1,013 [0,997–1,030]	0,971 *** [0,956–0,987]	0,937 ** [0,894–0,982]	1,031 [0,037–28,900]
Acker	1,004 [0,992–1,02]	1,009 [0,999–1,02]	0,999 [0,990–1,01]	1,008 * [1,001–1,014]	1,001 [0,982–1,019]	1,022 *** [1,015–1,029]	0,479 *** [0,398–0,578]	1,802 [0,053–60,000]
Bebauung	1,009 [0,995–1,02]	1,012 [0,997–1,03]	1,006 [0,993–1,02]	1,014 * [1,000–1,029]	1,009 [0,988– 1,030]	1,013 [0,993–1,033]	1,100 [0,986–1,231]	2.351 [0,102–54,400]
Fließgewässer	1,001 [0,989–1,01]	1,004 [0,999–1,01]	1,007 [0,996–1,02]	1,011 *** [1,006–1,015]	1,002 [0,988–1,017]	1,024 *** [1,017–1,030]	0,990 [0,949–1,033]	1,877 [0,089–39,500]
Stillgewässer	1,000 [0,988–1,01]	1,003 [0,990–1,02]	1,009 [0,994–1,02]	1,017 [0,999–1,035]	1,012 [0,982–1,042]	1,015 [0,998–1,033]	0,446 * [0,208–0,957]	1,998 [0,106–37,500]
Länge Gräben	1,00 [1,00–1,00]	1,00 [1,00–1,00]	1,00 [1,00–1,00]	1,00 *** [0,999–1,00]	0,999 *** [0,998–0,999]	1,00 [1,00–1,00]	0,998 [0,995–1,000]	1,005 * [1,000–1,010]
Weiteres Umfeld – Wider area surrounding (500 m)								
Schilfröhricht, ungemäht	1,001 [0,991–1,01]	1,001 [0,992–1,010]	1,006 [0,998–1,014]	1,003 [0,996–1,009]	1,005 [0,991–1,02]	0,990 *** [0,985–0,995]	1,026 [0,985–1,070]	0,992 [0,955–1,030]
Fließgewässer	0,991 [0,974–1,01]	0,997 [0,982–1,013]	0,998 [0,990–1,007]	1,005 [0,996–1,014]	1,023 *** [1,012–1,04]	0,995 [0,985–1,004]	1,044 *** [1,020–1,070]	0,903 [0,776–1,050]
Acker	0,998 [0,986–1,01]	1,009 [0,999–1,019]	1,005 [0,997–1,014]	1,016 *** [1,009–1,024]	1,019 * [1,002–1,04]	1,026 * [1,002–1,051]	0,962 [0,909–1,020]	1,049 [0,884–1,250]
Stillgewässer	0,990 [0,966–1,01]	0,994 [0,973–1,016]	1,006 [0,991–1,022]	1,005 [0,991–1,020]	1,012 [0,996–1,03]	1,014 [0,991–1,038]	0,885 [0,713–1,10]	1,199 [0,651–2,210]
Bebauung	0,992 [0,978–1,01]	0,985 * [0,972–0,998]	0,991 [0,978–1,003]	0,980 *** [0,971–0,989]	0,981 [0,960–1,00]	0,982 [0,961–1,004]	0,996 [0,917–1,080]	1,131 [0,755–1,700]
Brache/ Ruderalvegetation	1,044 [0,998–1,09]	1,022 [0,988–1,056]	1,006 [0,965–1,048]	0,986 [0,964–1,009]	0,943 [0,886–1,00]	1,017 [0,948–1,090]	1,006 [0,837–1,210]	1,402 [0,774–2,540]
Schilfröhricht, gemäht	0,978 [0,939–1,02]	0,975 [0,950–1,001]	0,998 [0,965–1,033]	0,990 [0,971–1,008]	1,006 [0,975–1,04]	0,980 [0,947–1,013]	1,007 [0,910–0,110]	0,869 [0,675–1,120]