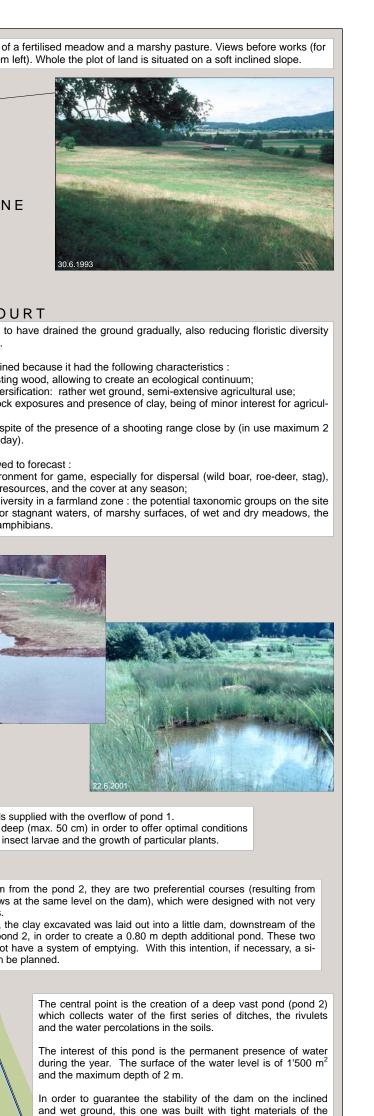
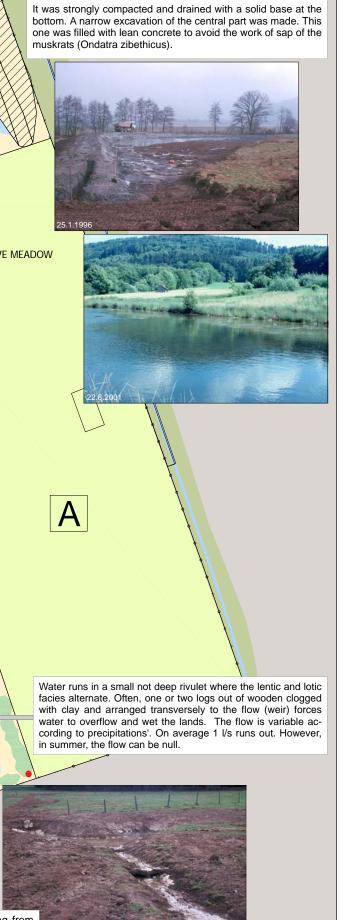
OPEN-CAST RESTORATION OF AND DEVELOPMENT OF POND			The initial state of the site consisted of a fertili comparison, see illustration on bottom left). W
IN AN AGRICULTURAL SURFAC		Cornol - Frégiécourt EXTENSIVE M WITH FLOWE	
BY REMOVAL OF A DRAINAGE		Rifle range P Fa	
	NEIWORK		COMMUNE
AND BY SOIL MODELLING			Eb OF
EXAMPLE OF REPLACEMENT OF HABITATS			FREGIECOURT
	BIOTEC		The land use of surfaces seem to have and reproduction of amphibians.
BERNARD LACHAT, bioengineer BIOTEC Biologie appliquée SA, route de Courroux 17, CH	Biologie appliquée sa - 2824 Vicques		The site of 'Pré Raisin' was retained beca - situation in alignment with existing wood - high potential of ecological diversificatio
(tél. +41 32 435 66 66, FAX +41 32 435 56 46 , e-mail : biote	ec@biotec.ch)		<ul> <li>- not very deep grounds, with rock expos ture;</li> <li>- disturbances relatively low, in spite of th days a month, only during the day).</li> </ul>
			These various parameters allowed to fore - a good attractivity of the environment f
			thanks to the permanent food resources - the development of a rich biodiversity in are the vegetation of running or stagna invertebrate fauna, birds and amphibian
Since the small ditches and the ponds, natural infiltrations in direction of downstream are thus possible. The water absorption and imbibition in the ground are possible throughout water courses. Thus, without particular direct action on the actilement this are absorption and imbibition in the second s			
action on the settlement, this one changes according to the percentage of moisture. The habitats obtained are illustrated with the next colors :			
LEGEND		LITTLE PONDS	
Zone A : wet extensive meadow Zone Ba north / bottom			
Zone Bb east / flat land	extensive meadow		14.1996
Zone Bc west / slope	with flowers		
Zone C : orchard and extensive meadow		REEDS MEADO	W Alignment of the little ponds supplied
Zone D : reeds meadow	often i Dig	••	These ponds are not very deep (ma for the development of the insect lar
Zone Ea new surface seeding with wet meadow plants		•	Downstream from the
Zone Eb dry	extensive meadow with flowers		POND 1 two overflows at the deep ponds. For pond 1, the clay outfalls of pond 2, in
Zone Ec semi-wet Zone F : reeds meadow			ponds do not have a phoning can be plann
new surface seeding with wild flowers		F	
ponds		REEDS MEADOW	
Hedge			
Copses			POND 2
Groves ( <i>Alnus glutinosa</i> )			
8.7.1996			
Old variety of high-stem fruit tree	Several large pits, upstream and downstream from pon	rd 1,	
• Lonesome tree	were dug (max 1 m) along the rivulet. The course thus ate fill of water, restore the moisture of the sail and func as a ditch. Running water is then recovered in another sin and so on This system has the advantage of creat	ction ha-	
Forest border	permanent water points in summer, even if the water decreases.	flow Ba	WET EXTENSIVE MEAD
Fence			PONDS
Access	EXT	ENSIVE MEADOW WITH FLOWERS	
СОММИНЕ		Bb	
		BC	
OF	The Property of the second second	37 ************************************	
CORNOL 8.7.1996			
		39 ಕ್ಷ್ಮೇ ಕ್ಷೇ	
		40	
	ాట్టూర్ ాట్టూర్ అట్టూర్ అట్టూర్ అట్టూర్ 7 18 19 20 21 ోష్ ఫ్రార్ ఫై ర్రార్ ఫై ఫ్రార్ ఫై	Sec. 2	WET GROVES
22 23	24 25 26 27 28	41 5 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	29 30 31 32 33	hearest	
		44 grand 2 tecame	
	34 35 English English	30 43 4 <sup>3</sup> 4 <sup>3</sup>	• • • • • • • • • • • • • • • • • • • •
A REAL PROPERTY AND A REAL	ORCHARD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Work execution : <b>1996</b>		he purpose was to reactivate, a "hydrosystem" starting from
	Cost : <b>CH Fr. 86'000 / € 57'000.00</b> Annual maintenance cost :	ya gr lis	derground drains in the top of the plot, in order to create a st wetlands on more than 4 ha in order to favour several oups of plants and threatened and/or protected animals (red ts).
12:6.2002	Annual maintenance cost : CH Fr. 1'000 / € 700.00	m fà w	ater is collecting at a point where the principal drain was put en-cast.





1st quality (pure clay) (figure 7) resulting from the digging of

the tunnels of the motorway.

