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	(Saathi)
	Eco System and Riddingsty
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- de	Introduction -
7 ( Va 7 ( )	
-	An ensurem is a contract to
1	An ecosystem is a Community of living organism
2006	in conjunction with the nonliving component of
	their envinment interacting as a system.
	The first of the state of the s
	These biotic and abiotic Components are regarded
517	as linked together through nutrient cycle and
	Poeras House
	energy flows
200	As elosyptems are defined by the network of
	interactions among organisms, and between
	organism and their environment, they can be of
	any size but usually encompan specific, limited
	Spaces:
	The property of the second
-	Francisco ar controlled both his external and
	Ecosystem are controlled both by external and
10 S.	Internal Factor External Factors such as climate,
	the parent material which from the soil and topogra-
	phy control the overall structure of an ecosystem
	and the way things work within it but are not
1000	themselves influenced that easystem.
- 4	The same to see a second of the second the second
5.55	They also influence the quantity of plants. By breaking
1	Jam dead oxersic matter descension release southern
	dans dead organic matter, decomposer release carbon
	back to atmosphere and tacilitate nutrient cycling
Acc s	by converting nutritient stored in dead biomass book
And her	to a form that can be occasily used by plants and
	attack as is a second
	ather microber
141	The state of the s
	Page No.

(Saathi) \* Ecosystem types-The pand was deaned act. Water plants were and wildife encouraged to develop in 1) Aquatic ecosystem of Marine ecosystem 1) Large marine elosystem Habitat and Biddiversity: b) Foreshwater ecosystem At one time ther were many ponds than we have i) lake ecosystem today, farmer need ponds for their Cartle They now ii) River ecosystem have piped water. This has reduced the habitrat iii) Wettand available to wildlife This bycans that many creature will become rare Our native biodiverity is becoming 2) Terrestrial ecosystem weak due to lack of pand habitat a) Forest b] Littoral Zone b) Safety: C) Riparian Zone Ponds are very interesting place to study. They are also d) Subspace litter achtropic Microbial reaggeten e) Orban engysten very dangenus, Steep sides and mod can make even the shallowest water dangenus F] Deser Your visit to fond will have been very carebilly \* Pands Project -Supervisied A pond is different From river River are generally C) Panel Plants: Fast Flowing Pond are hollows with evaler in them 1) Plankton and Algae: There is very little water flow in For a los Valley Country Park has been there The smallest plant in punds are planktum. These are For a very long time old map as for back So they that they cannot be seen except with 182 Shows the pand It is thought to have be microscope. They provide for many a quanty From which the stones to build a pond. Another small plant is algae. This thun were taken By the year 2000 the point Sametimes be seen fleating on ponds as what cholded sink for a long time. It was compressely looke like a green scum. Algue can become a charled with dead beaver problem in some punds. Farmer use chemical called Mitrate and prosphater as Ferhliser. Page No. Page No.

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	The table of the same		Date//
<u> </u>	Ecosystem types -		The pand was deaned out. Water plants were replant
1)	Aquatic eeogystem	3.40	and wildife encouraged to develop in the
	of Marine ecosystem	3 660	Port was a second of the control of
	1) large marine élesystem	07	
	b) Foreshwater ecosystem i) lake ecosystem	i doubly	At one time there were many pands than we have
16	ii) River cosystem	337	today Farmers need ponds For their Cattle They now have piped water. This has reduced the habitrat
	iii) Wetland	1	available to wildlife. This bacans that many creas
27	Terrestrial ecosystem	-67	will become rave Our native biodirerity is becoming
	a) Forest		energy due to large of pand habitat
	b) Littoral Zone	6)	Safety:
	c) Ripanian Zone d) Subspace litho adoptopic Microbial reasysten		Ponds are very interesting place to study. They are also
	e) Orban ecosystem	2	very dangenus, Steep Sides and mod at the bottom can make even the shall west water dangenius.
· de	E) Desertation of the land of	17/	Your visit to pond will have been very carefully
*	Pands Project - Mari Mari Malin Marin Marin	•	Superisted
	who was a second	9	Panel Plants:
Kon 18	A pond is different from river River are generally	A Transport of the Control	The state of the s
-	Fast Flowing Pond are hollows with earler in them There is very little water flow in a pand The		Plankton and Algae: The smallest plant in punds are plankton. There are So tiny that their care
- \	pond at Rose Valley Country Park has been there		
	tor a very long time old map as far back	Jol.	microscope. They provide for many of smaller creats
1.16	1782 shows the pand. It is thought to have been a quarry from which the stones to build hand	Supply-	Sometimes be seen Floring on ponds as wat looke like a green scam Alexand Can be a
3 Ny 2	Town were taken. By the year 2000 the point		problem is some ponds Farmer with all
	trees reglected for a long time. It was		problem in some ponds framer use chemical called
	Chorled with dead fearer.		
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Gaathi (Saathi) Shring: Plant Succession IF you look at the pand you will sea The shring is about 16 mm long. They have 7 or 9 som of legs. They swim on their sides. It becames plants live entirely outside the live entirely in it other are partially using gills. They will not live in pullated water, Their Flower live is wet grande around the food Water liller Flood to the pand and are att presence means that pond is not possibled to the battom by long dem. You will also 4) Caddis Fly Larva Canadian pand used which is completely about 2 amm long. The couldis fly is more Under the water Fuel of these plants like try like many inseem it how a life cycle of egg. Special adaptation to survive lava, ppa and adut. The adult coddis layits eggs in water. The larva stage marke the own case from B) Pond Creatures: Silk like mouterial. Thre pyper struge also server in Corre Frenhauly the adult fly onergy and begins its life 1] Snall. You will And many snail in pand They can 5] Beetle Larva From 25 mm to 50 mm in stre Like all Snail Mary insects have part at there life cycle in water have hard smell They are mailluses and often Dragentites, Dansel Flier, Caddis Flier to their land closely selected the adolf Strage. Others renain different Kinds of snail to be found You will find various larva in water they are large a poind. The water small Floats. It has gills The about 50 mm when fully grown. It is hierre predative pand small and the ramehorm small cannot eating whateaux it cares boreathe under water All Snowil eat algae 6) Pond Skater 27 Water Spider: Pond skaler are IA (realise you will notice They can be about 16mm. They are arachaids about 20 mm. You will be breathe undercouter They Spin a ar air ball. They spend mast cit that they are most as they have to lege There had and use it as air ball. They spend From the body so it can spread its weight on only coming out to care time in this air bell species of part offerer can Small Creature they cant, Canal.

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7]	Whirligig Beesle' and early summer the whings
	Whirliging Becale and early summer the whirland In spring time and early surface of water. You's beetle is very dollows on sortace of water. You's will see large number of them unixling about in will see large number of them unixling about in
	the manner that gives their name they are about
	15 mm long.
1	El Cl 1 Follow of Pondi
***	Food Chain and Eculogy of Pondi
ata.	All like in pand depend upon the ability of the
1 1	alat to hulo in hell.
- 1	to teed them from pain 100 are
5 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	with idea of find chain e.g.
	the state of the s
1	Son - Algae - tadpole - Ringfither
	Following are the consiner of pand habitect food
× 1943	Chain:
10 40	- 1 Along the store of a setting the store of the
1) 8	rimary Consumers are herbinores that depend on the
	producer for Foud - example - Tadpole, snail
7	
23	rinary consiner For Food Example - Froy
6	nnay consines to rood example - troy
37-7	Entary Consumer are animals which feed on minor of
Se	entary Cursiner are animals which Feed on princy of country example - dock, Crane
The state	I was a second of the second o
4) 7	of Censiner are predater which holude the agrey Fish Heads
a	el homan
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