BRITISH BOY SCOUT & BRITISH GIRL SCOUT ASSOCIATION

SENIOR SCOUT 'CONSERVATION' BADGE

(Public Service Badge)

SENIOR SCOUT'S NAME :

SENIOR SCOUT'S PATROL :

TESTS	(Corresponding badge for under 15 ~ None).	PASSED	EXAMINER	DATE
1	Be able to describe the effect on wild life resulting from : fire, overgrazing, unwise forest practice, soil erosion and water pollution. Know how erosion affects fish feeding grounds and spawning grounds. List the main sources of pollution of streams.			
2	Know the relationship between wild life and natural habitat and how the activities of man affect the natural environment.			
3	Know the relationship in nature between the units of one of the following groups :- (a) Foxes, mice, and young forest plantations. (b) Trees, insects, birds.			
4	Know why the laws are made definite seasons and bag limits on shooting and fishing, and know the proper dates and bag limits on two species of game, and two of game fish.			
5	Do one of the following :- (a) #Make a list of the kinds of birds, mammals, insects and wild flowers on a plot of ungraxed woodland of about 4 acres (140 yards by 140 yards square). Make a similar list for an area of 4 acres of woodland long grazed by by cattle, and state why the populations are so different. (b) #Select one species of wild life common in their neighbourhood and find out what are the best ways to protect it. (c) #Go out for at least two days with a fisherman, Game Keeper, Fishery Officer or conservationist, and write a report on the methods they use.			
6	Do one of the following :- (a) #Help stock or fertilize a farm pond. (b) #Plant 100 yards of stream banks to control erosion. (c) #Set out 100 food plants for birds and mammals. (d) #Help plant a windbreak or hedge or other suitable winter cover for wild life.			

	(d) #Build and set out in suitable places eight nesting boxes.			

ALTERNATIVE

1	Know what is meant by the following terms : precipitation, run off, ground water, evaporation, transpiration, and make a diagrammatic drawing illustratingthis complete cycle. spawning grounds. List the main sources of pollution of streams.			
2	(a) Name three causes of floods. (b) State three methods of controlling floods.			
3	Name three causes of pollution in rivers or streams, and indicate how these can be controlled.			
4	Explain how water conservation is related to soil conservation.			
5	Do one of the following :- (a) #Follow a small stream to its source, and see where it originates. (b) Estimate the flow of water in a stream indicated by the Examiner. (c) #Help make a farm pond. (d) #Carry our or assist with bank erosion control or other improvement project on a stream, pond or lake.			
6	Do one of the following :- (a) #Visit a project built for flood control, or for increasing summer flow in a river, or for irrigation purposes, and write a report on conditions before and after construction. (b) #Visit a farm pond and write a report on the type and purpose of the pond. (c) #Visit a stream or river and write a report on its condition under the following headings :- (i) colour; (ii) smell; (iii) fish; (iv) swimming. (d) #Find out what happens to domestic and industrial waste in their community and give a written report on (i) the methods used to purify the waste and prevent pollution or (ii) what should be done to prevent it polluting waterways.			

ALTERNATIVE

1	Name and describe five kinds of soil.			
2	Know the meaning of the terms: organic, inorganic, soil profile, humus and tilth.			
3	Explain what is meant by : contour, deep and shallow ploughing.			
4	Describe what is meant by crop rotation and how it assists more efficient production.			
5	Explain the meaning of: gully erosion, wind erosion, stream bank erosion; and give a method for controlling each of the			

	above types of erosion.			
6	Do one of the following :- (a) #Examine a soil profile and identify the different layers (horizons). (b) #Help carry out a soil conservation project on a farm or Scout camp site. (c) #Plant at least 100 shrubs or trees as part of a soil conservation plan to prevent erosion.			
7	Do one of the following :- (a) Take a photograph or make a sketch of one form of erosion mentioned in (5) above. (b) Plant two bean seeds in a flower pot of topsoil, and two bean seeds in a flower pot of subsoil. Tend them for a month and report on the difference in rate of growth in the two pots, appearance of plants, and other differencies. (c) In a glass jar collect muddy water from a stream and allow to stand for six hours. Observe the amount of soil which settled to the bottom. State where you think the soil originated. (d) In a shallow dish, place wet samples of two different soils, one low in organic matter and the other high. Dry out thoroughly and make a brief report of the effect on each.			
Note. ~ Items marked # may be carried out in company with other Scouts taking the same test but reporting separately.				

BADGE PRESENTED