

Annexure-I

Phytoplanktons of Yashwant Lake observed at Toranmal in Satpura ranges
during December 2006 to November 2008

A) Cyanophyceae (Blue green algae)

1. *Aphanocapsa biformis* A. Br.
2. *Microcystis viridis* A.Br. Lemm
3. *Spirulina subtilissima* Kuetz
4. *Oscillatoria limosa* (Ag)
5. *Phormidium ambigum* (Gomont)
6. *Lyngbya limnetica* (Lemm)
7. *Nostac spongiaeformae*
8. *Anabaena spp*

B) Chlorophyceae (Green algae)

9. *Ulothrix aqualis* Kuetz
10. *Oedogonium spp*
11. *Bulbochaetae spp*
12. *Closterium attenuatum* (Ehr.)
13. *Pediastrum simplex* (Meyen)
14. *Cosmerium spp*
15. *Staurastrum spp*
16. *Eudorina spp*
17. *Spirogyra hyalina* (Cleve)
18. *Spirogyra formosa* (Czurda)

C) Bacillariophyceae (Diatoms)

19. *Melosira islandica* (O. Muell)
20. *Synedra ulna* (Nitz) Her. V. biceps Kuetz.
21. *Synedra acus* (Kuetz)
22. *Asterionella spp*
23. *Frustulina spp*
24. *Gyrosigma acumminatum* Kuetz

25. *Navicula cuspidata* Kuetz. V. *Conspicua* Venkat
26. *Navicula cuspidate* Kuetz. V. *major* Meister
27. *Navicula rhynchocephala* Kuetz
28. *Amphora ovalis*. Kuetz
29. *Pinnularia interrupta* W. Smith
30. *Pinnularia vidarbhensis* Sarode Kamat
31. *Rhopalodia gibba* Her O. Muell
32. *Nedium longiceps* Grey A. Cl. V.
33. *Stauroneis obtuse* Lagerst. V.
34. *Surirella capronii* Breb.
35. *Surirella robusta* Ehr.
36. *Surirella sabsalsa* W. Smith
37. *Cymbella ventricosa* Kuetz
38. *Gomphonema gracile* Ehr.
39. *Gomphonema intricatum* Kuetz
40. *Fragilaria construens* Ehr. Grun
41. *Fragilaria zafarii* Sarode Kamat
42. *Nitzschia obtusa* W. Smith

D) **Dianophyceae**

43. *Peridinium spp1*
44. *Peridinium spp2*
45. *Ceratium hirudinella* Schrank
46. *Ceratium spp.*

E) **Euglenophyta**

47. *Euglena gaumei*
48. *Euglena clavata*
49. *Phacus longicauda* Her Duj