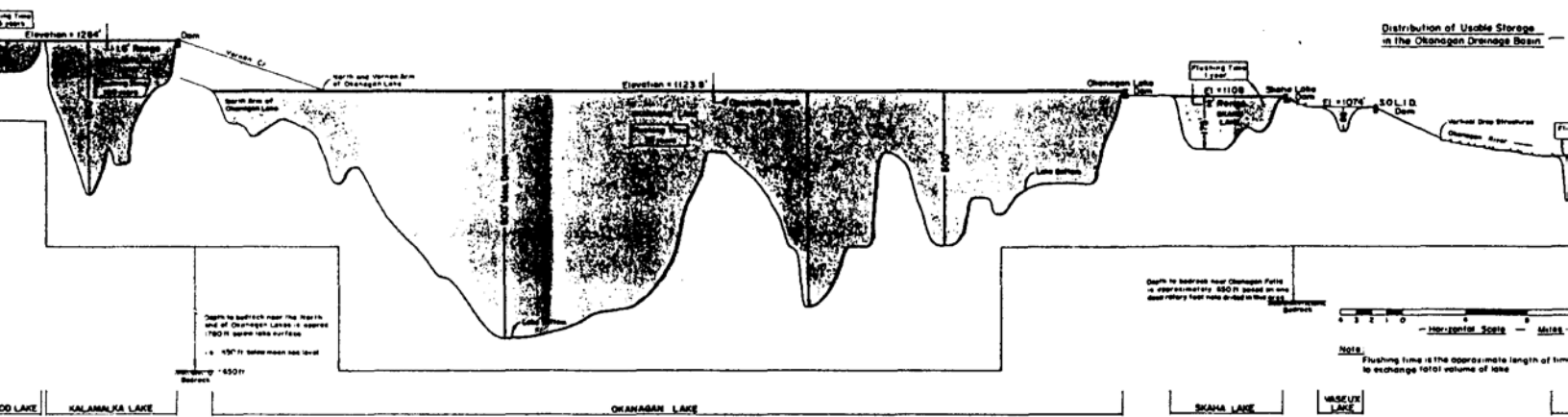
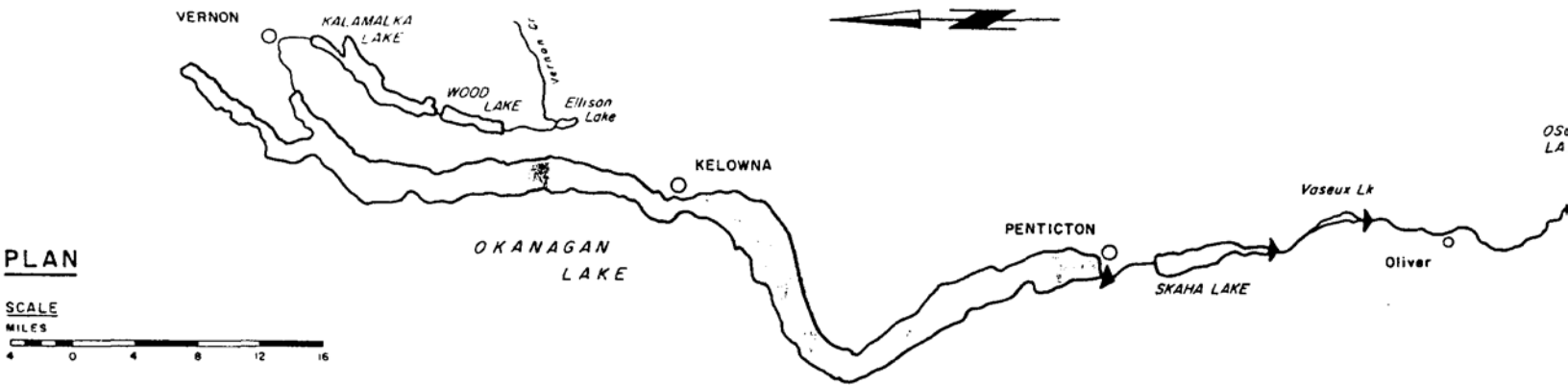
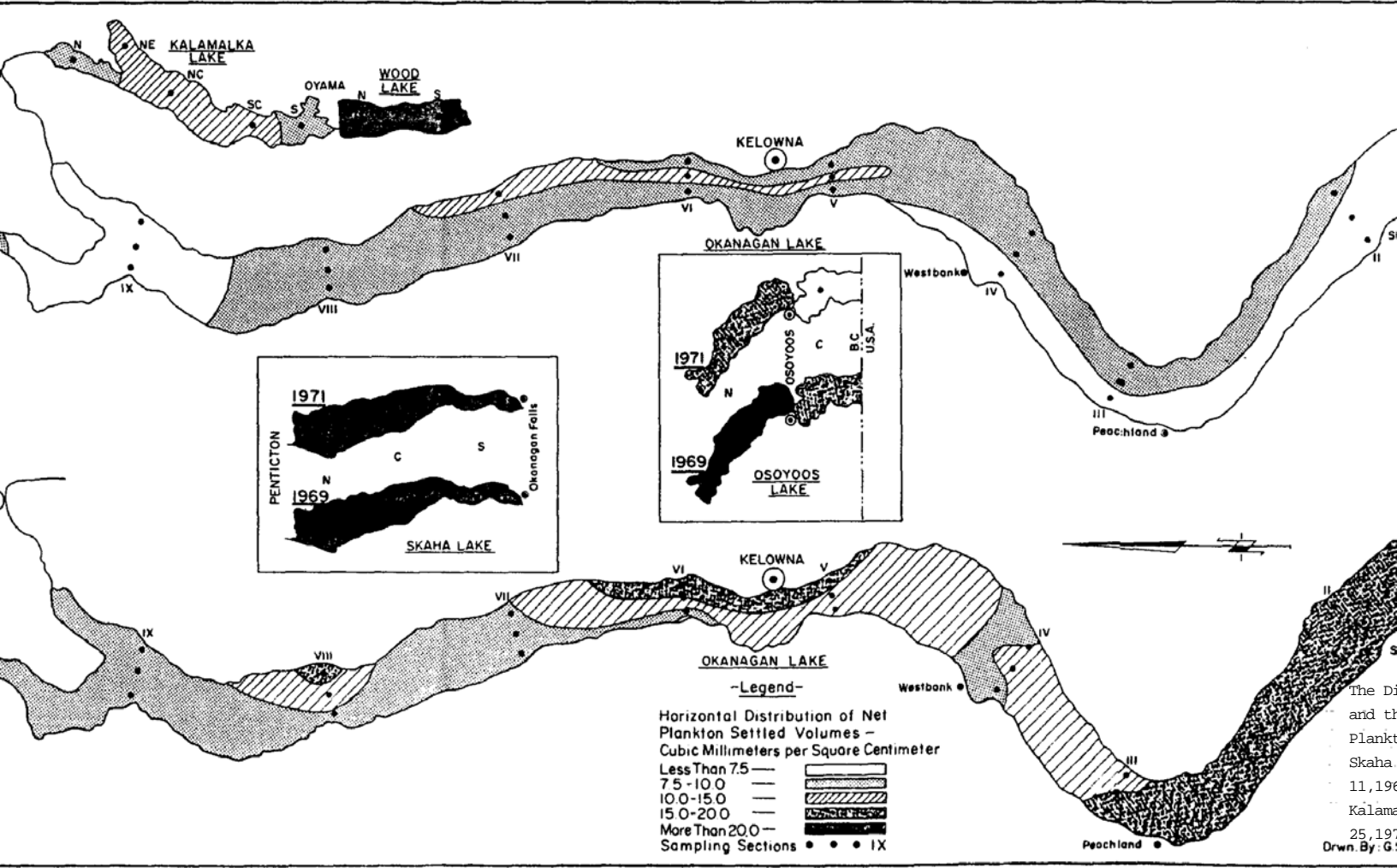


MAP SECTION



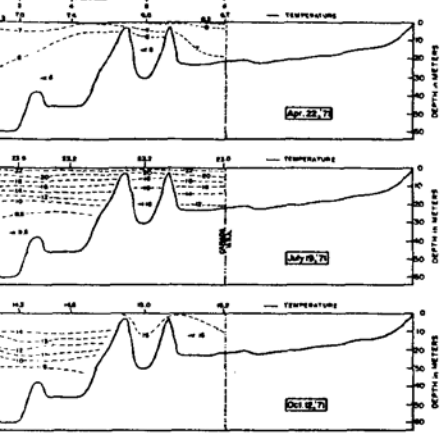
PROFILE of OKANAGAN MAIN VALLEY LAKES

M



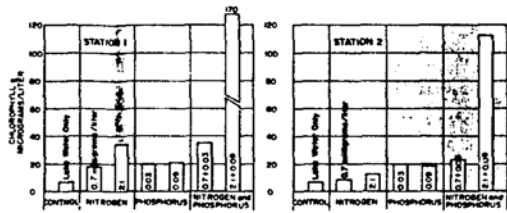
Drawn By: G.S.Mc Nov

PROFILE OF TEMPERATURE IN DEGREES CENTIGRADE THROUGH THE SECTION OF OSOYOOS LAKE TO THE INTERNATIONAL BORDER (3 Seasons).

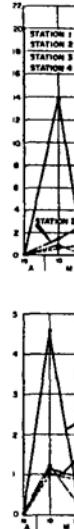


NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR OSOYOOS LAKE, 1971.

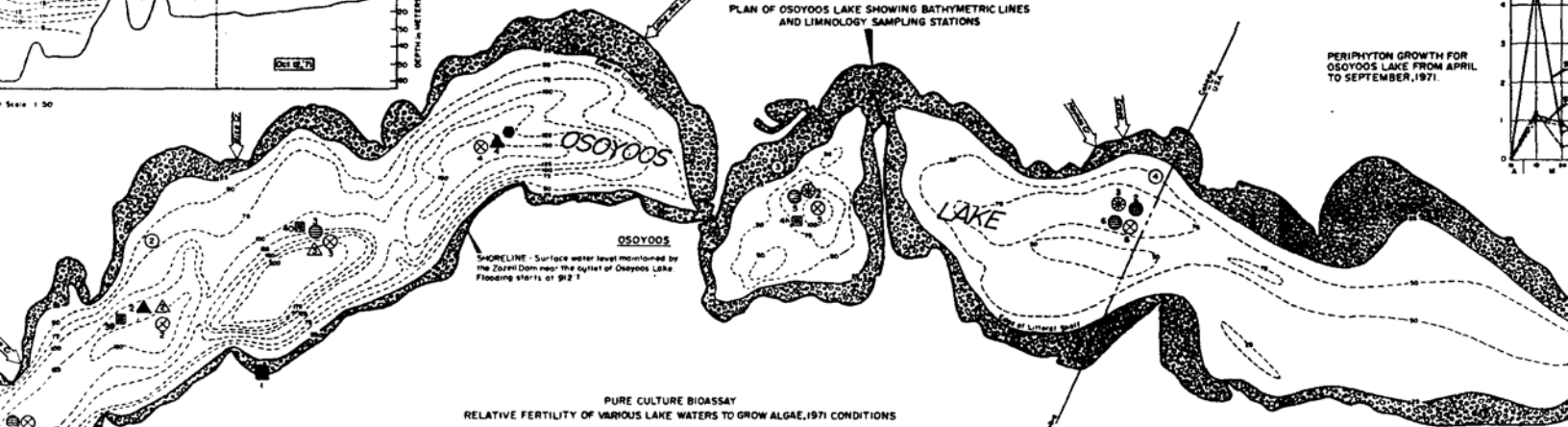
Effect of the addition of Nitrogen and Phosphorus to samples of Osoyoos Lake water on Chlorophyll content.



PERIPHYTON CHLOROPHYLL a VALUES FOR OSOYOOS LAKE FROM APRIL TO SEPTEMBER, 1971.



PLAN OF OSOYOOS LAKE SHOWING BATHYMETRIC LINES AND LIMNOLOGY SAMPLING STATIONS

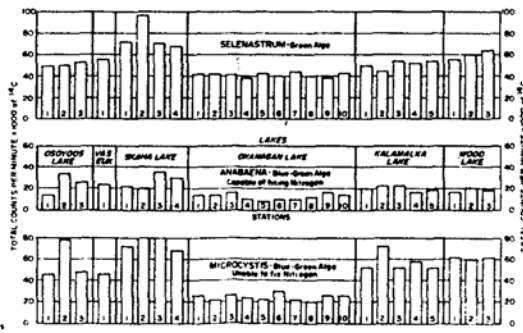


PERIPHYTON GROWTH FOR OSOYOOS LAKE FROM APRIL TO SEPTEMBER, 1971.

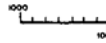
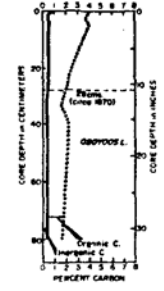
LIMNOLOGY SAMPLING STATIONS

- Physical Limnology**
 - ⊗ Bathythermograph, Surface temperature and Secchi depth
 - △ Light transmission measurements
 - General Limnology**
 - ▲ Temperature station
 - Chemical station
 - Bottom Fauna**
 - ⊠ Sampling boat on 1969
 - Periphyton and Chlorophyll a**
 - Sampling location
 - Seaweed Enrichment - Trace Metals**
 - Sampling location
 - Nutrient Bioassay**
 - ⊙ Surface water samples
 - Pure Culture Bioassay**
 - ⊙ Sampling location
 - Fish as Indicators of Water Quality**
 - ⊠ Net setting location
- Note: Bathymetric lines are at 25 ft intervals. The 20 ft line complies with the edge of the littoral shelf in most instances.

PURE CULTURE BIOASSAY RELATIVE FERTILITY OF VARIOUS LAKE WATERS TO GROW ALGAE, 1971 CONDITIONS



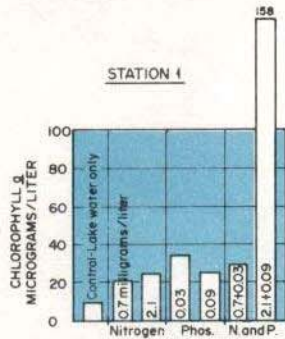
PROFILES OF CARBON CONTENT OF CORES FROM OSOYOOS LAKE



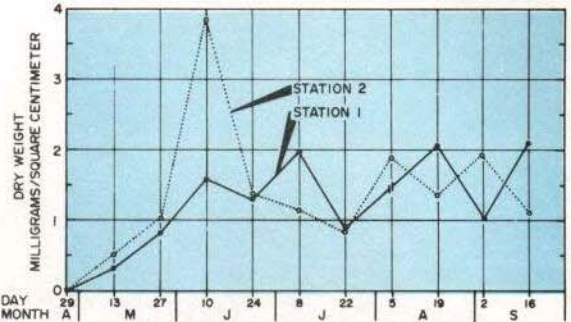
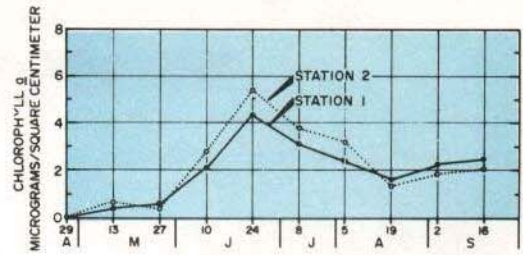
CHA

NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR VASEUX LAKE 1971.

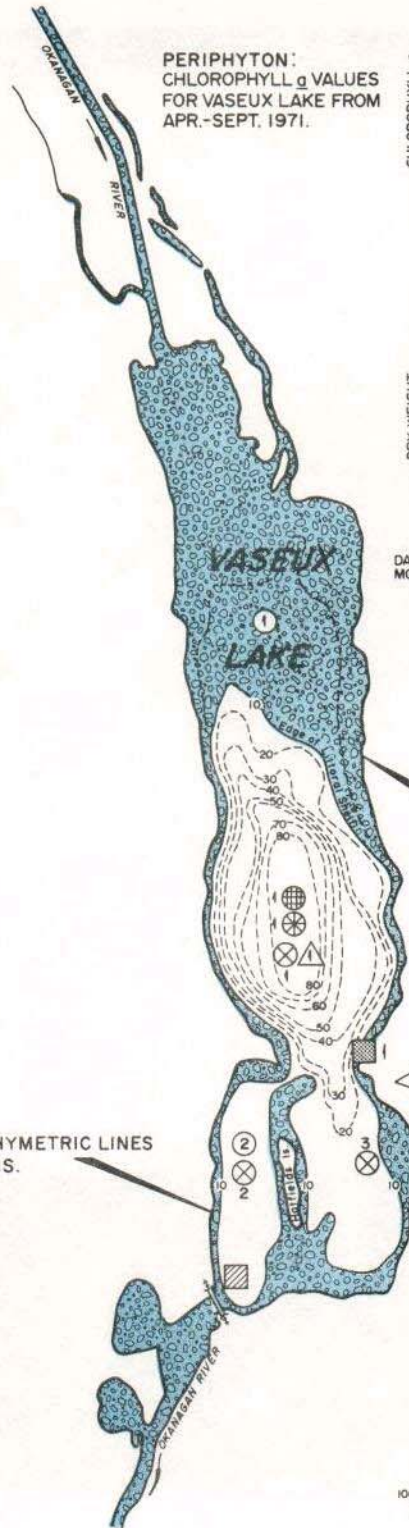
Effect of the addition of Nitrogen and Phosphorus to samples of Vaseux Lake water on Chlorophyll content.



PERIPHYTON: CHLOROPHYLL a VALUES FOR VASEUX LAKE FROM APR.-SEPT. 1971.



PERIPHYTON GROWTH FOR VASEUX LAKE FROM APR.-SEPT. 1971.



PLAN OF VASEUX LAKE SHOWING BATHYMETRIC LINES AND LIMNOLOGY SAMPLING STATIONS.

LIMNOLOGY SAMPLING STATIONS

Physical Limnology

- ⊗ Bathythermograph, surface temperature and Secchi depth.
- ⚠ Light transmission measurements.
- ▨ Recording thermographs

Periphyton and Chlorophyll a

- ① Sampling location

Nutrient Bioassay

- ⊗ Surface water samples

Pure Culture Bioassay

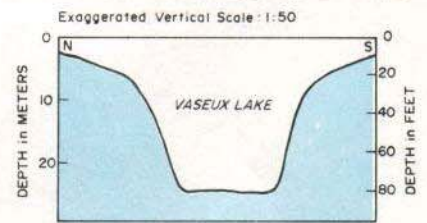
- ⊗ Sampling location - See Graph on Map 3

Fish as indicators of water quality

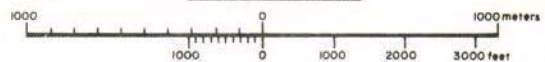
- ▨ Net setting location

Notes: Bathymetric lines are at 10 ft intervals
The 10 ft. line complies with the edge of the littoral shelf in most instances.

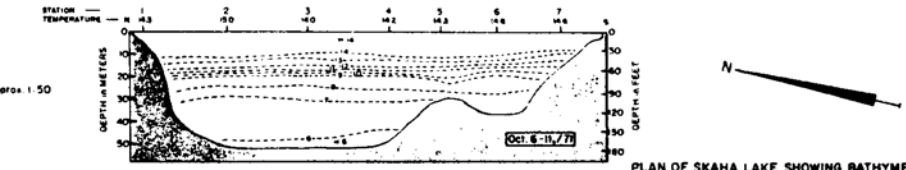
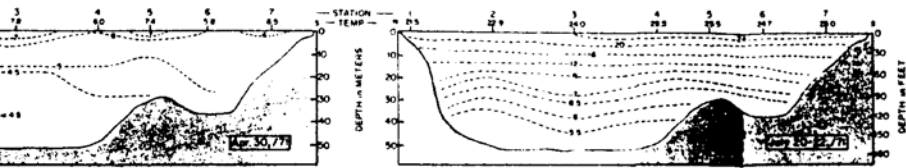
LONGITUDINAL PROFILE OF VASEUX LAKE



- LAKE PLAN SCALE -

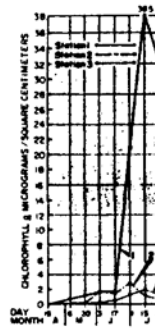
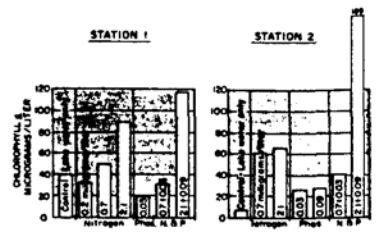


VERTICAL PROFILE OF TEMPERATURE IN DEGREES CENTIGRADE THROUGH THE DEEPEST PORTION OF SKAHA LAKE (3 Seasons)

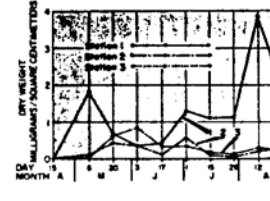
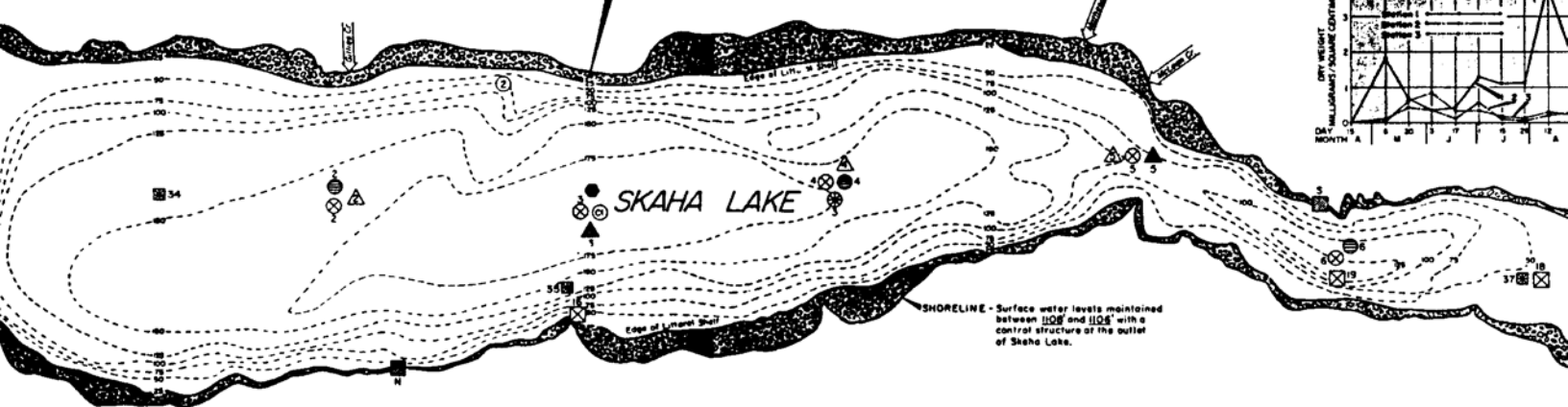


NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR SKAHA LAKE

Effect of the addition of Nitrogen and Phosphorus to samples of Skaha Lake water on Chlorophyll content



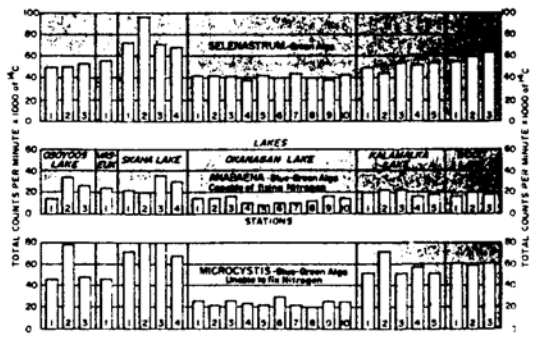
PLAN OF SKAHA LAKE SHOWING BATHYMETRIC LINES AND LIMNOLOGY SAMPLING STATIONS



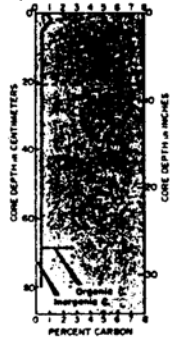
SAMPLING STATIONS

- Limnology
- Temperature, Surface temperature
- Depth
- Transmission measurements
- Thermographs
- Method of recording thermographs
- Limnology
- Sampling station
- Station
- Diatom Succession
- Location
- Location 1969, 1971
- Chlorophyll a
- Location
- Element - Trace Metals
- Location
- Water samples
- Bioassay
- Location
- Quality of Water Quality
- Location

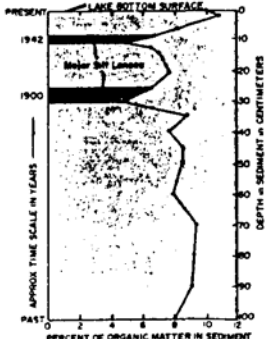
PURE CULTURE BIOASSAY RELATIVE FERTILITY OF VARIOUS LAKE WATERS TO GROW ALGAE, 1971 Conditions



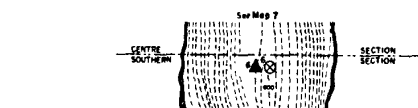
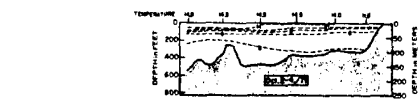
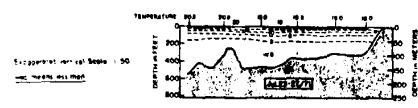
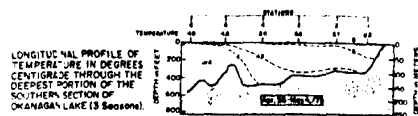
PROFILES OF CARBON CONTENT OF CORES FROM SKAHA LAKE



PLOT OF CORE SAMPLE FROM THE MAXIMUM SKAHA LAKE DEPTH

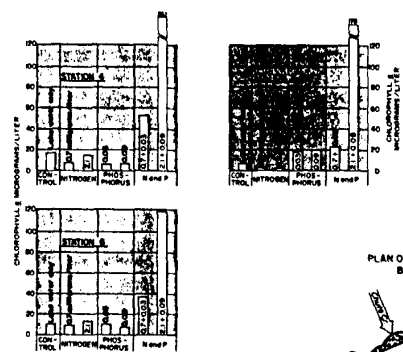


SOME LIMNOLOGICAL CHARACTERISTICS OF SKAHA LAKE

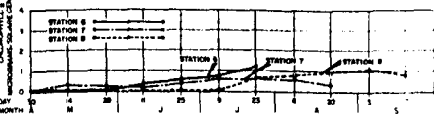


NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR THE SOUTHERN SECTION OF OKANAGAN LAKE, 1971.

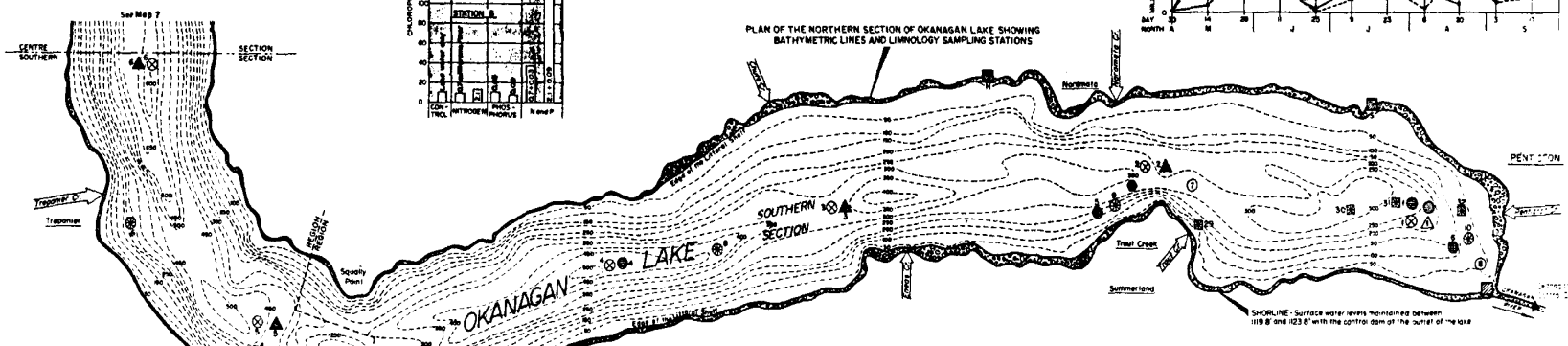
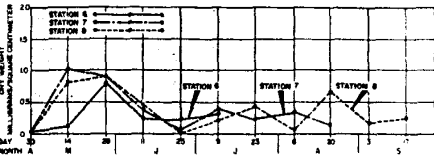
Effect of the addition of Nitrogen and Phosphorus to samples of Okanagan Lake water on Chlorophyll content



PERIPHYTON CHLOROPHYLL a VALUES FOR THE SOUTHERN SECTION OF OKANAGAN LAKE FROM APRIL TO SEPTEMBER, 1971



PERIPHYTON GROWTH FOR THE SOUTHERN SECTION OF OKANAGAN LAKE FROM APRIL TO SEPTEMBER, 1971

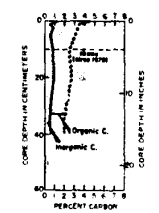


LIMNOLOGY SAMPLING STATIONS

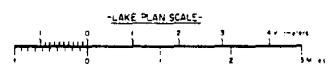
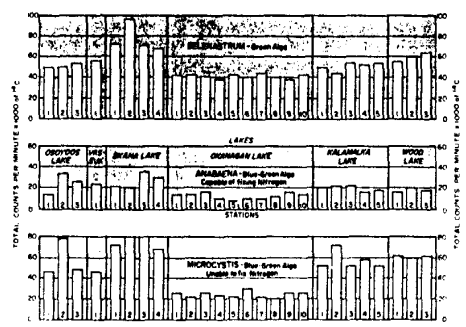
- Physical Limnology**
 - Bathymetry, surface temperature and Secchi depth
 - Light transmission measurements
 - Recording thermographs
 - Vertical array of recording thermographs
- General Limnology**
 - Temperature station
 - Chemical station
 - Bottom Fauna
 - Sampling location, 1969
 - Periphyton and Chlorophyll a
 - Sampling station
 - Seaweed Enrichment - Trace Metals
 - Sampling location
 - Surface water samples
 - Pure Culture Bioassay
 - Sampling location
 - Fish Indicators of Water Quality
 - Net setting location

Note: Bathymetric lines are at 50 ft intervals. The slope of the littoral shelf is at approximately 2:1 depth in most instances.

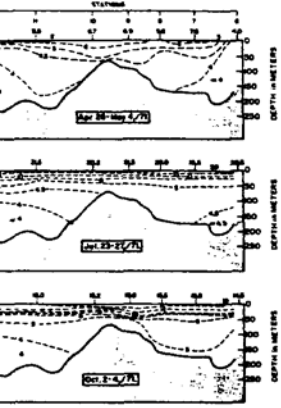
PROFILES OF CARBON CONTENT OF CORES FROM OKANAGAN LAKE



PURE CULTURE BIOASSAY RELATIVE FERTILITY OF VARIOUS LAKE WATERS TO GROW ALGAE, 1971 CONDITIONS

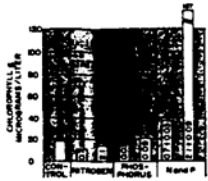


SOME LIMNOLOGICAL CHARACTERISTICS OF THE SOUTHERN SECTION OF OKANAGAN LAKE

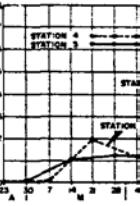


NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR THE CENTRE SECTION OF OKANAGAN LAKE, 1971.

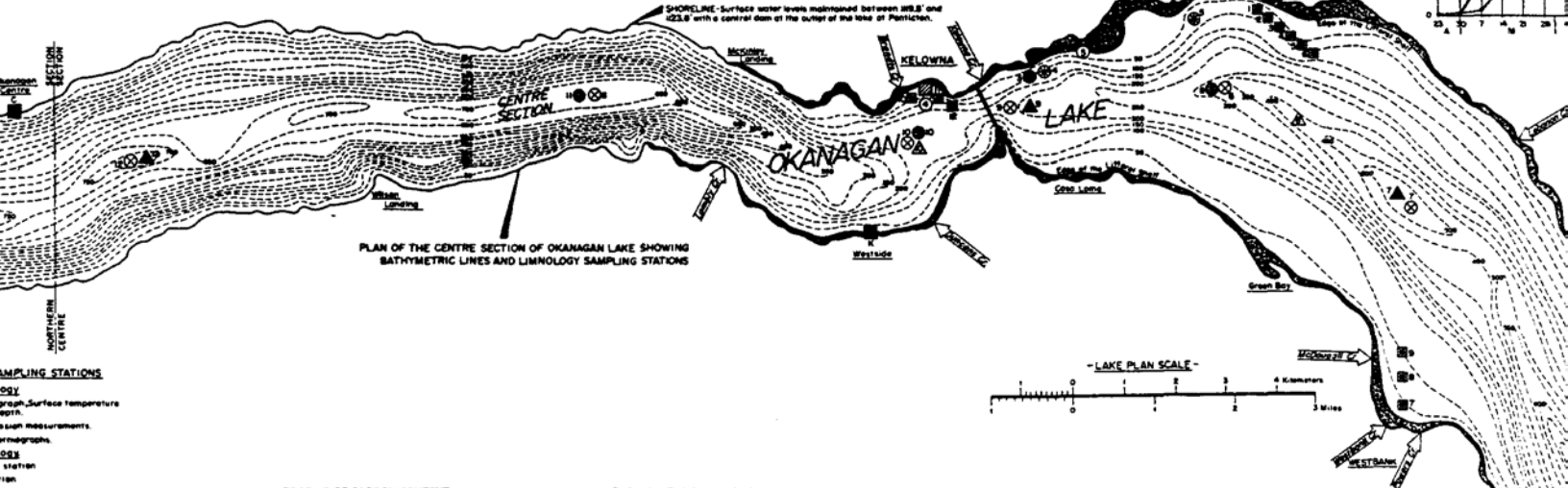
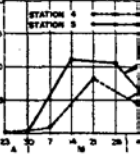
Effect of the addition of Nitrogen and Phosphorus to samples of Okanagan Lake water on Chlorophyll content



PERIPHYTON CHLOROPHYLL a VALUES FOR THE CENTRE SECTION OF OKANAGAN LAKE FROM APRIL 1971



PERIPHYTON GROWTH FOR THE CENTRE SECTION OF OKANAGAN LAKE FROM APRIL 1971



PLAN OF THE CENTRE SECTION OF OKANAGAN LAKE SHOWING BATHYMETRIC LINES AND LIMNOLOGY SAMPLING STATIONS

- SAMPLING STATIONS**
- DS1
 - graph, Surface temperature
 - graph
 - graph measurements
 - thermographs
 - DS2
 - station
 - station
 - station, 1969
 - Chlorophyll a
 - station
 - station - Trace Metals
 - station on Map 6
 - DS3
 - graph
 - graph samples
 - DS4
 - station
 - graph of Water Quality
 - station

PROFILE OF CARBON CONTENT
See Map 6

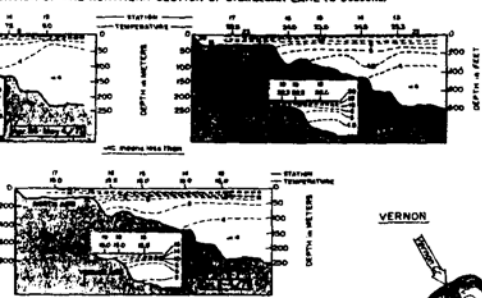
PURE CULTURE BIOASSAY
See Map 6

- LAKE PLAN SCALE -
0 1 2 3 4 Kilometers
0 1 2 Miles

SOME LIMNOLOGICAL CHARACTERISTICS OF THE CENTRE SECTION OF OKANAGAN LAKE.

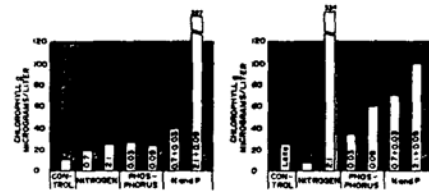
Bathymetric lines are at 50 ft intervals. Horizontal scale is at approximately 1:50,000.

TEMPERATURE PROFILE OF THE NORTHERN SECTION OF OKANAGAN LAKE (3 Seasons)

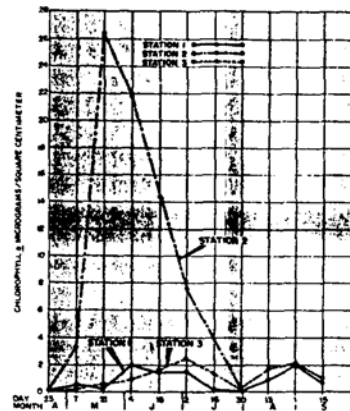


NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR THE NORTHERN SECTION OF OKANAGAN LAKE, 1971

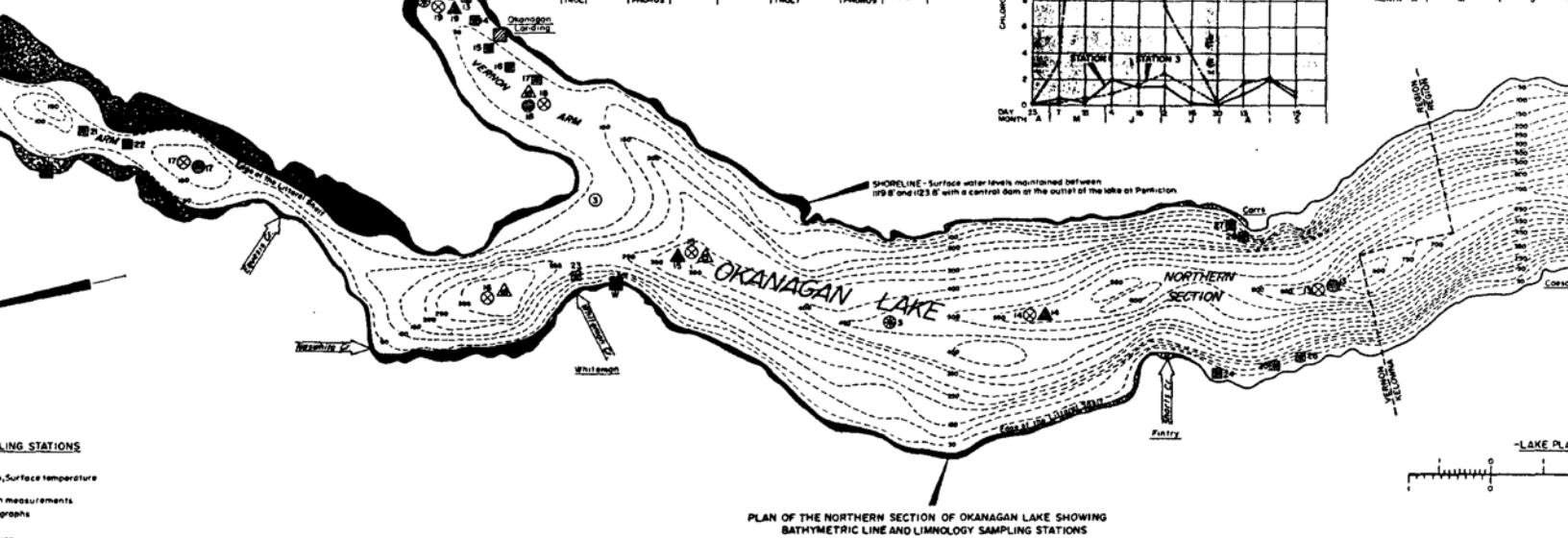
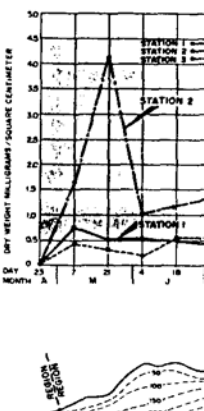
Effect of the addition of Nitrogen and Phosphorus to samples of Okanagan Lake water on Chlorophyll content



PERIPHYTON: CHLOROPHYLL a VALUES FOR THE NORTHERN SECTION OF OKANAGAN LAKE FROM APRIL TO SEPTEMBER, 1971



PERIPHYTON GROWTH: DRY HEIGHT MILLIGRAMS/SQUARE CENTIMETER OF OKANAGAN LAKE FROM APRIL TO SEPTEMBER, 1971

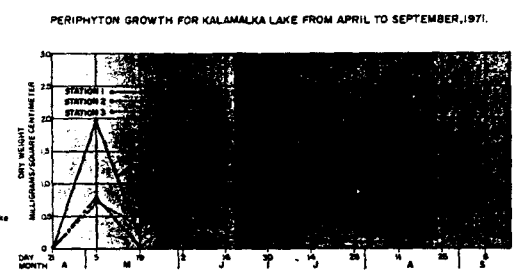
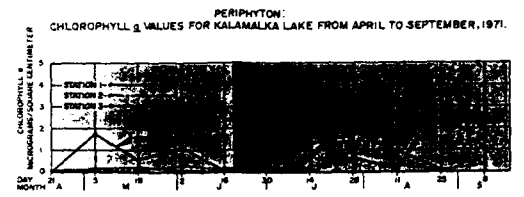
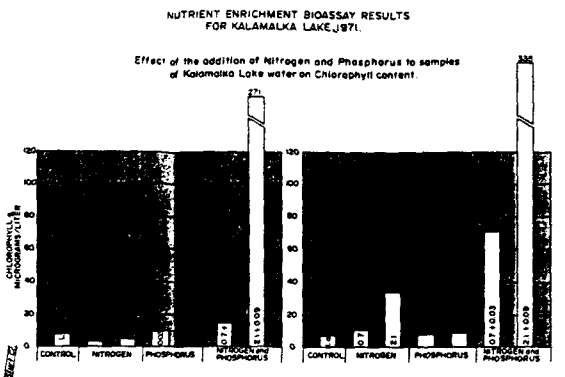
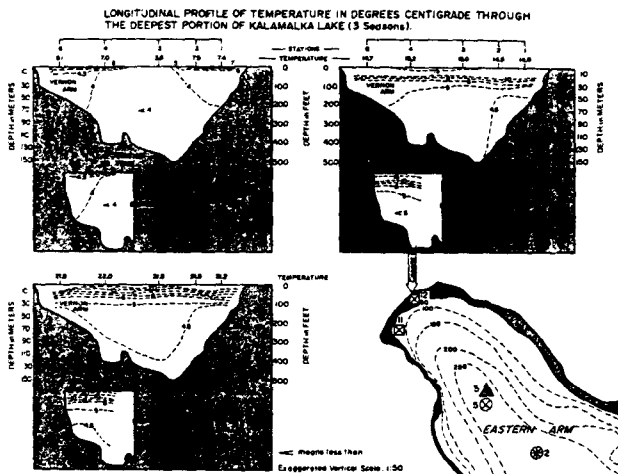
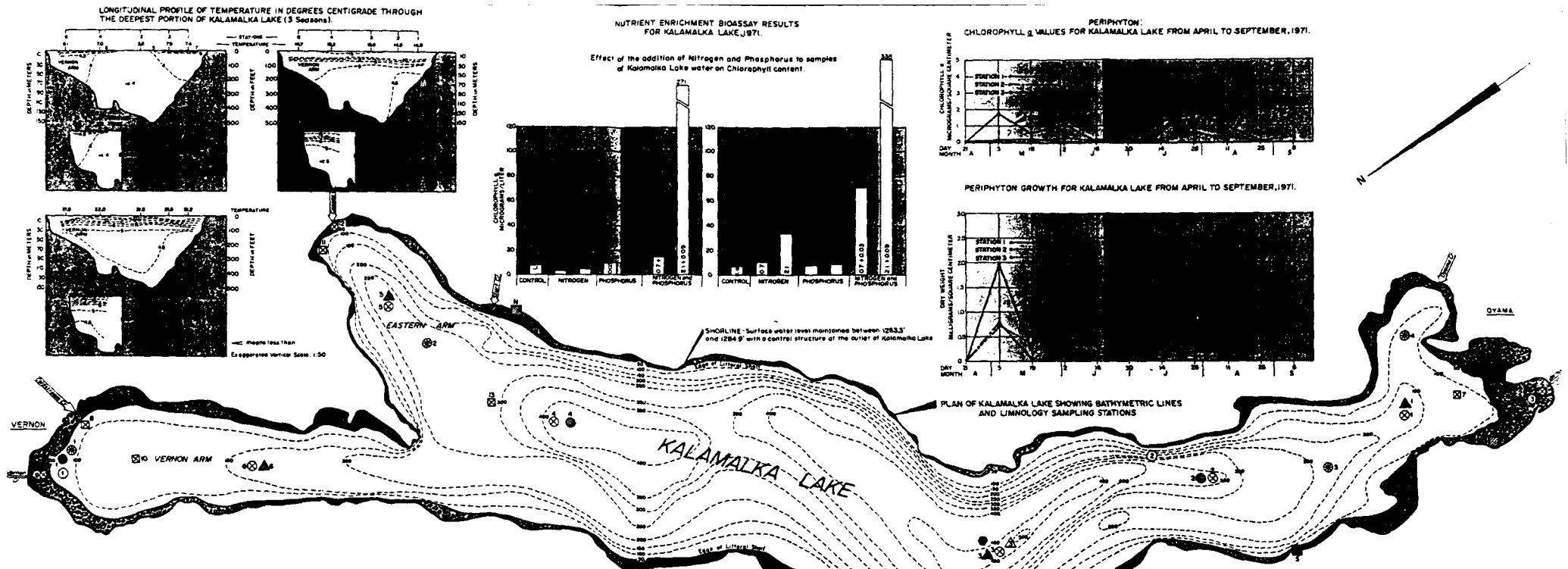


LIMNOLOGY SAMPLING STATIONS
 1. Surface temperature
 2. Salinity measurements
 3. Chlorophyll a
 4. Dissolved oxygen
 5. pH
 6. Conductivity
 7. Turbidity
 8. Secchi disk
 9. Water quality
 10. Sediment
 11. Macroinvertebrates
 12. Phytoplankton
 13. Zooplankton
 14. Fish
 15. Shoreline vegetation
 16. Periphyton
 17. Diatoms
 18. Cyanobacteria
 19. Green algae
 20. Brown algae
 21. Red algae
 22. Fungi
 23. Bacteria
 24. Viruses
 25. Protozoa
 26. Nematodes
 27. Insects
 28. Amphibians
 29. Reptiles
 30. Mammals
 31. Birds
 32. Fish
 33. Mollusks
 34. Crustaceans
 35. Arachnids
 36. Insects
 37. Mammals
 38. Birds
 39. Fish
 40. Mollusks
 41. Crustaceans
 42. Arachnids
 43. Insects
 44. Mammals
 45. Birds
 46. Fish
 47. Mollusks
 48. Crustaceans
 49. Arachnids
 50. Insects

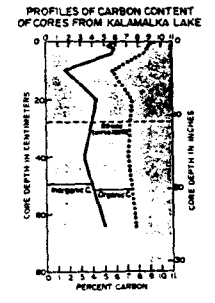
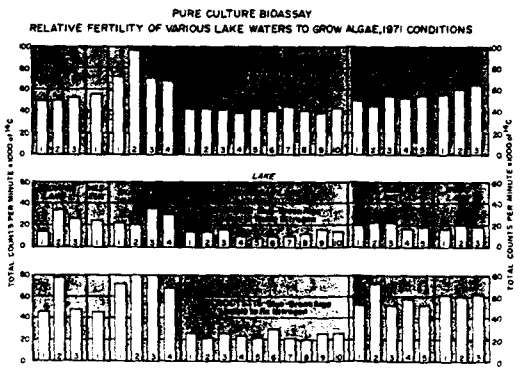
PROFILE OF CARBON CONTENT
 See Map 6

PURE CULTURE BIOASSAY
 See Map 6

SOME LIMNOLOGICAL CHARACTERISTICS OF THE NORTHERN SECTION OF OKANAGAN LAKE

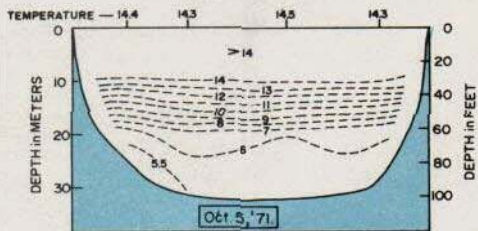
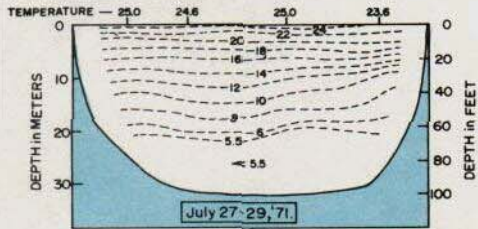
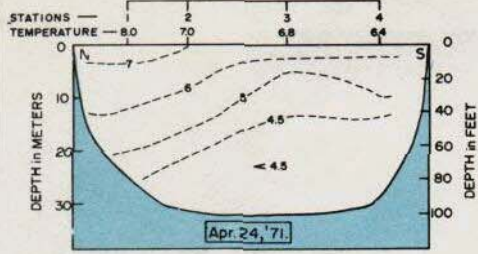


- LIMNOLOGY SAMPLING STATIONS
- Physical Limnology
 - Bathymograph, Surface temperature and Secchi depth
 - △ Light transmission measurements
 - Recording thermographs
 - General Limnology
 - △ Temperature station
 - Chemical station
 - Station Expend
 - Sampling location, 1971
 - Periphyton and Chlorophyll a
 - Sampling location
 - Sewage Enrichment: Trace Metals
 - Sampling location
 - Nutrient Bioassay
 - Surface water samples
 - Pure Culture Bioassay
 - Sampling locations
 - Photosynthetic rate of Water Quality
 - Net setting location
- Notes: Bathymetric lines are at 50 ft intervals. The 50 ft line coincides with the edge of the lake in most instances.

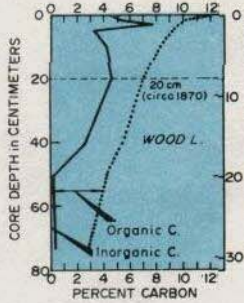


SOME LIMNOLOGICAL CHARACTERISTICS OF KALAMALKA LAKE

LONGITUDINAL PROFILE OF TEMPERATURE IN DEGREES CENTIGRADE THROUGH THE DEEPEST PORTION OF WOOD LAKE (3 Seasons).



Exaggerated Vertical Scale: 1:100
 < means less than



PROFILES OF CARBON CONTENT OF CORES FROM WOOD LAKE.

LIMNOLOGY SAMPLING STATIONS

Physical Limnology

- ⊗ Bathythermograph, Surface temperature and Secchi depth.
- ⊠ Light transmission measurements.
- ⊡ Recording thermographs.

General Limnology

- ⊙ Temperature station
- ⊕ Chemical station

Bottom Fauna

- ⊗ Sampling location 1971

Periphyton and Chlorophyll a

- ⊙ Sampling location

Nutrient Bioassay

- ⊙ Surface water samples

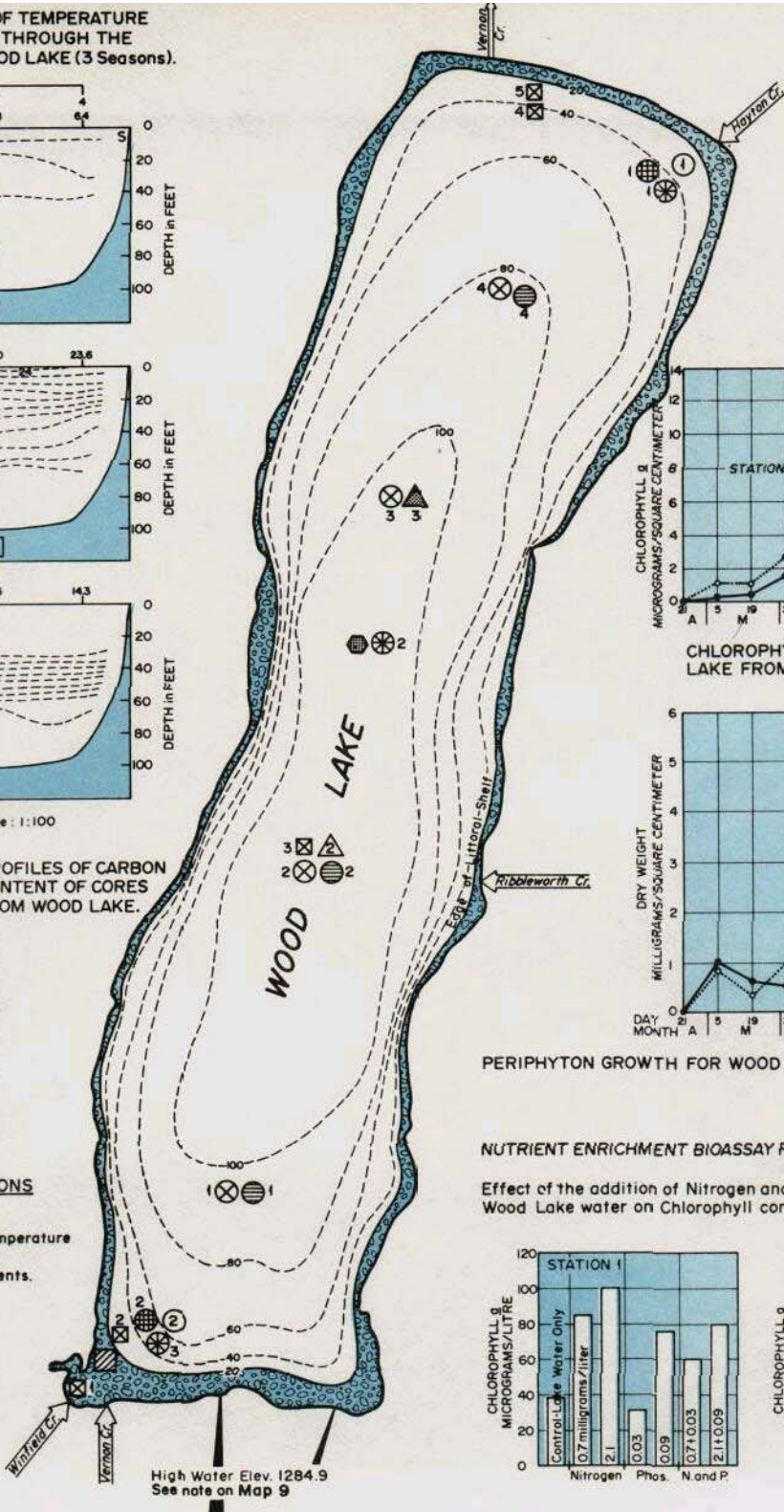
Pure Culture Bioassay

- ⊗ Sampling location - See Graph on Map 9

Sewage Enrichment - Trace Metals

- ⊙ Sampling location

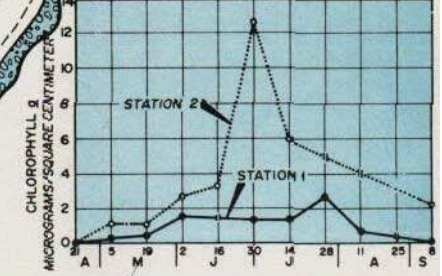
Notes: Bathymetric lines are at 20ft. intervals. The 20ft. line complies with the edge of the littoral shelf in most instances.



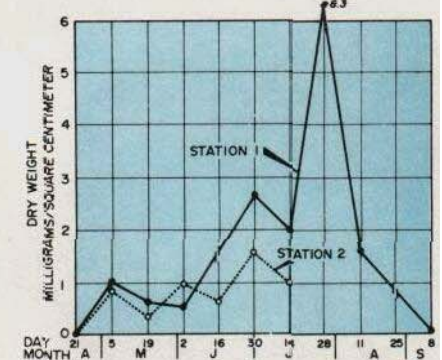
High Water Elev. 1284.9
 See note on Map 9

PLAN OF WOOD LAKE SHOWING BATHYMETRIC LINES & LIMNOLOGY SAMPLING STATIONS

PERIPHYTON:



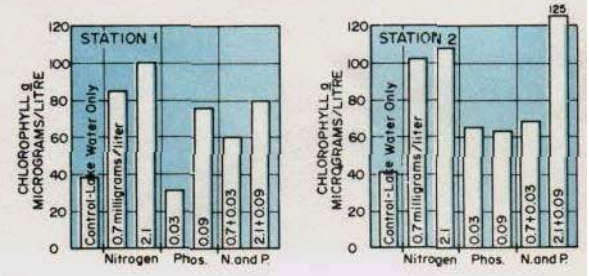
CHLOROPHYLL a VALUES FOR WOOD LAKE FROM APR.-SEPT. 1971.



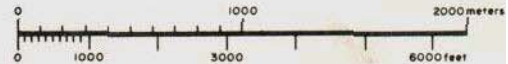
PERIPHYTON GROWTH FOR WOOD LAKE FROM APR.-SEPT. 1971

NUTRIENT ENRICHMENT BIOASSAY RESULTS FOR WOOD LAKE, 1971

Effect of the addition of Nitrogen and Phosphorus to samples of Wood Lake water on Chlorophyll content.



- LAKE PLAN SCALE -



SOME LIMNOLOGICAL CHARACTERISTICS OF WOOD LAKE