

Loch name Loch Etchachan Estate Mar Lodge No NJ0011
 Grid reference NJ006004 Date surveyed 14 September 1988
 Loch size 2.0 ha. Altitude 925 m Surveyor's name C. J. S. B.
 Catchment size 188 ha. Boat used No Secchi disk depth —
 Water colour colourless Water clarity clear
 Loch type — unclassifiable Edge type(s) —
 Catchment Geology Granite

Eniophorum angustifolium
Sphagnum, Pitytrichum + algae.

Substrate types (underline main type tick others present)

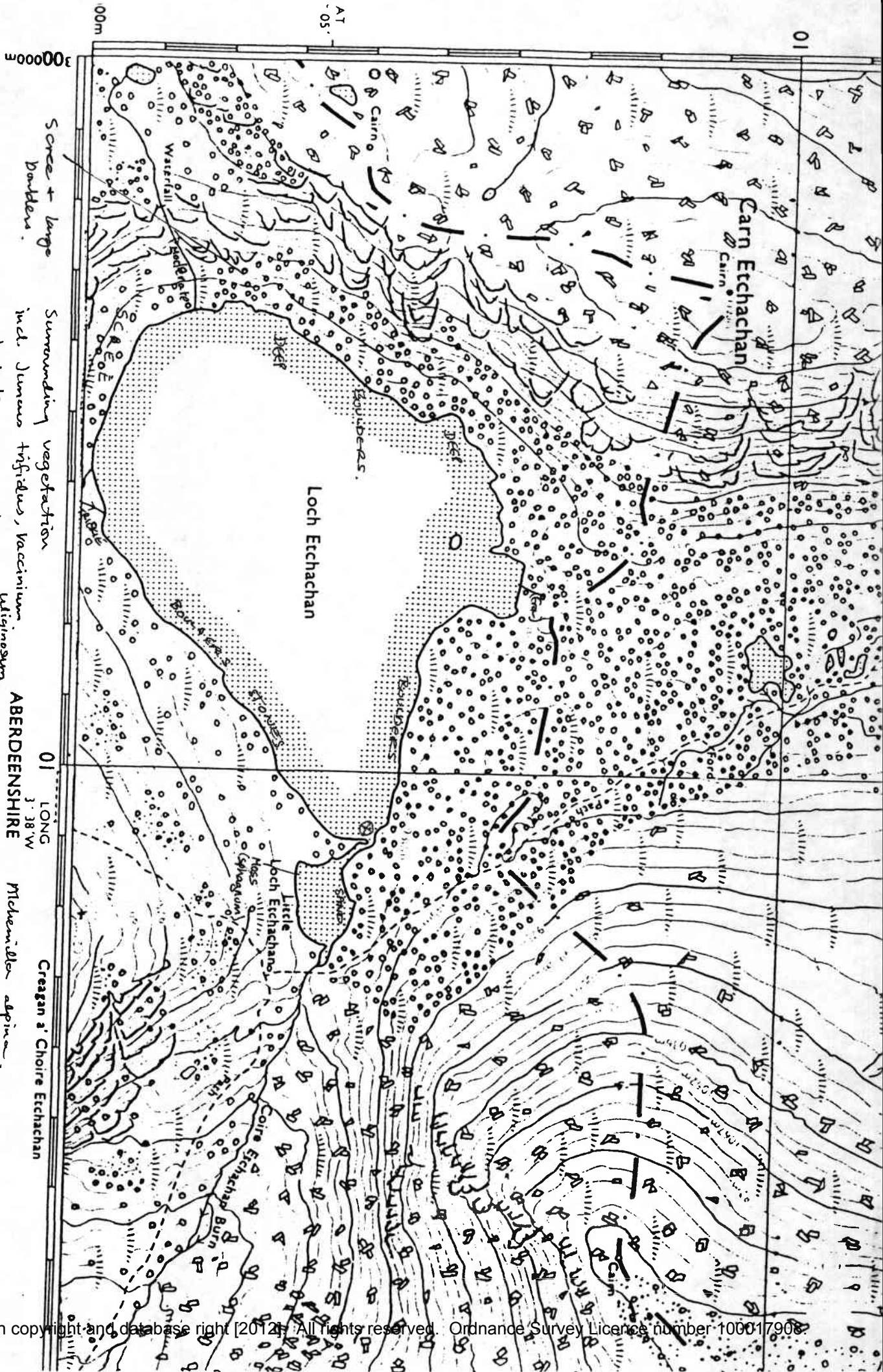
- Bedrock
- Boulders (>30cm max diam.)
- Stones (5-30cm diam.)
- Gravel (4-50mm diam.)
- Sand (0.1 - 4mm diam.)
- Silt (< 0.1mm diam.)
- Organic mud
- Peat
- Artificial embankment

Uses and Damage

USE	AREA AFFECTED	DAMAGE
Water abstraction
Sewage inflow
Agricultural pollution
Edge trampling
Adjacent forestry
Fishing (Edge/boat)
Shooting (Cartridges)
Others

Fauna	Mammals	Reptiles	Dragonflies	Fish
Birds		Amphibians	and other Invertebrates	(said to be stocked with rainbow trout)
<u>Dipper</u>			<u>Water beetle</u>	

Species diversity Conductivity: 12.1 umhos Detailed water analysis
 Edge: 0 pH : 5.26 (Date if different from above)
 Open Water 0



300000
Scale + large
Darkers.

Surrounding vegetation
incl. *Junonia tyfidius*, *Vaccinium*,
Lonicera praemorsus,
Uliginosum.

ABERDEENSHIRE
Armenia maritima, *Empetrum nigrum*,
Michemilla apina.

Scale 1:6,900
X SAW pla

TOTAL DEESIDE
SAMPLE OF 10 LOCHS

	Loch .. ETCHACHEN....	Sample	Sample
	GR NJ.006004..	mean	range
Potassium K mg/l	..... 0.05	0.57	0.05 - 1.30
Calcium Ca mg/l	..... 0.27	4.1	0.27 - 11.00
Magnesium Mg mg/l	..... 0.18	1.50	0.18 - 3.60
Aluminium Al mg/l	..... 0.054	0.029	<0.010 - 0.059
Chlorine Cl mg/l	..... 1.5	9.3	1.5 - 24.0
Silica Si mg/l	..... 0.59	2.36	0.12 - 5.70
Phosphorus P mg/l	..... <0.005	0.018	<0.005 - 0.051
Phosphate PO ₄ mg/l	..... <0.005	<0.005	<0.005 - 0.008
Nitrate NO ₃ mg/l	..... 0.13	0.207	0.021 - 0.880
Ammonium NH ₄ mg/l	..... <0.10	<0.11	<0.10 - 0.18
Alkalinity Ca CO ₃ mg/l	..... 0.60	8.95	0.60 - 22.00