

1999 6.7m Southland
 1983 7.808, 683m
 Cows 9619 95,000
 " 1993 71,000

Coverage herd size 330 cows

Beef 229, 830
 Deer 383, 521
 212,000 cows Pee
 40 Ltr a day 8,480,000
 80 Ltr a day 16,960,000
 100 Ltr a day 33, 920,000

Sheep Southland 2015
 3.7 mill x 10 32 mill Ltr

1983 Sheep Pee Ltr
 7.8 mill 10 Ltr a day 78 mill

ag to have consent for
 duck and fish discharge
 duck and fish 500

rotting vegetation
 causes E.S found
 13 out of 18 tests

2013/ waitaia / mataura
 aparima / and oret
 wild fowl 16 out of 18
 E coli

Freedom Camping
 Poppers contaminate
 Lake and rivers
 could cause typhoid,
 or cholera outbreaks
 gardaia

nitrate from all town
 sewage causes
 higher levels of
 nitrate in rivers

All streams fenced
 of should of be
 Rated as farmer cannot
 use this land

all town residents
 to have consent
 plan for all waste and
 chemicals poured
 down drains

E.S Plan will make
 farms in Southland
 uncompetitive with
 the opposition over
 sea farm producers
 or bankrupt
 Southland

gov
 M.E swimmable
 water at 260 to 540
 clu per millilitres
 wade able at 540 to
 1000

E.C says 1000 alum
 is good quality for
 swimming

R.M.A says
 cost benefit
 to be done

End management
 to manage a dairy
 farm under new
 rules with a
 debit of 50 percent

cost benefit to
 be done with any
 plan to be altered
 if it is unworkable
 not set in concrete

over seer unworkable
 should only be
 used on computer
 models not as rule
 maker as every
 farm is different

Masssey uni says
 it could take
 50 years for nitro
 to leach into stream
 and rivers

microbes in healthy
 release as much
 nitrates into the soil
 as 5 cows per
 hectare per year

Forestry major
 source of nitrate

Submitter No: 631

Submitter Name:
PAYNE, Sydney

Date Received: 25/5 /17