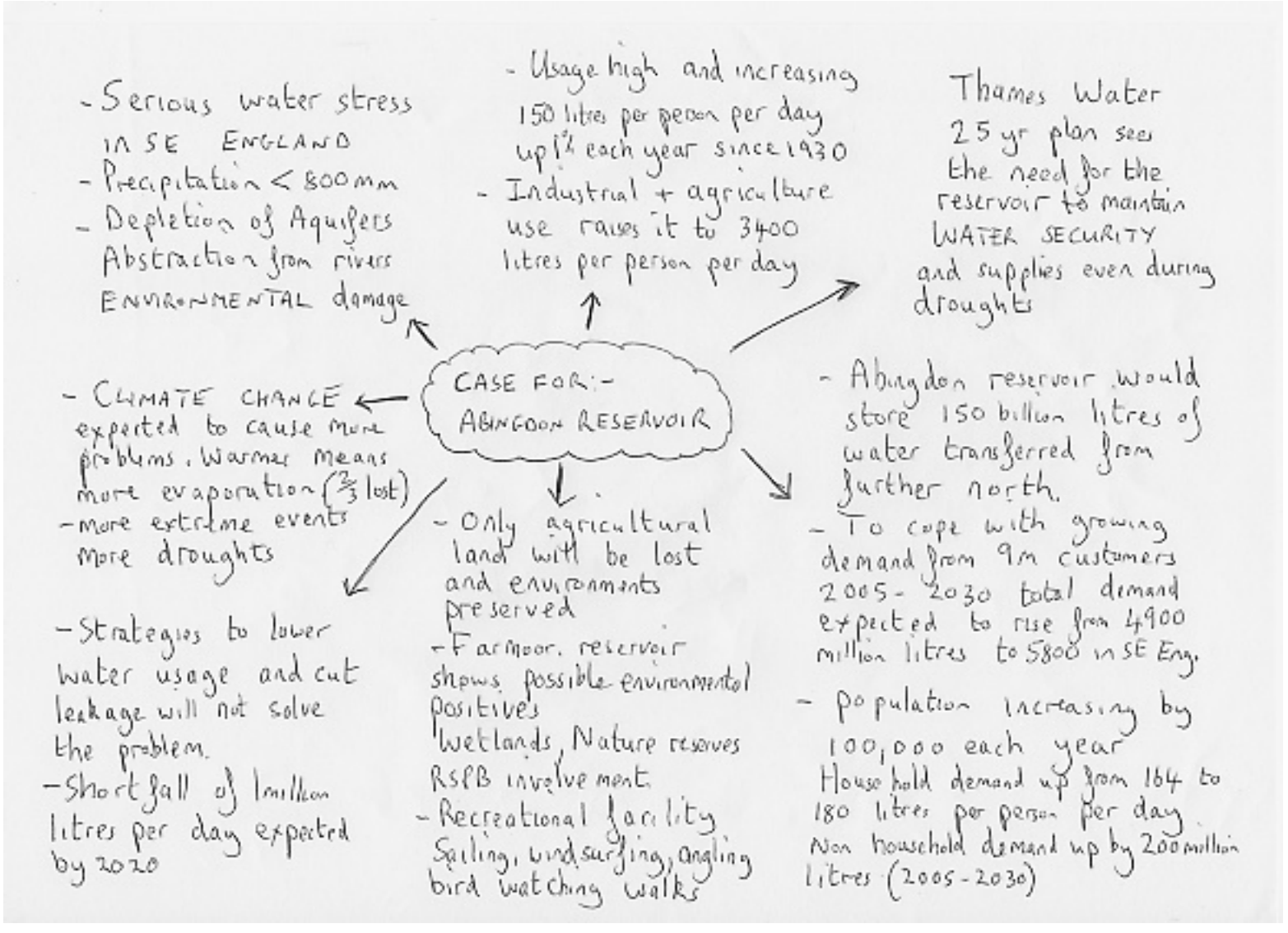
- Serious water stress in SE England
- Precipitation < 600mm
- Depletion of Aquifers
Abstraction from rivers
Environmental damage
- Usage high and increasing
150 litres per person per day
up 1% each year since 1930
- Industrial + agriculture use raises it to 3400 litres per person per day
Thames Water 25 yr plan sees the need for the reservoir to maintain water security and supplies even during droughts
CASE FOR:-
Abingdon Reservoir
- Climate change expected to cause more problems. Warmer means more evaporation (⅔ lost)
- more extreme events
more droughts
- Abingdon reservoir would store 150 billion litres of water transferred from further north.
- To cope with growing demand from 9m customers 2005-2030 total demand expected to rise from 4900 million litres to 5800 in SE Eng.
- population increasing by 100,000 each year
House hold demand up from 164 to 180 litres per person per day
Non household demand up by 200 million litres (2005-2030)
- Strategies to lower water usage and cut leakage will not solve the problem.
- Shortfall of 1 million litres per day expected by 2020
- Only agricultural land will be lost and environments preserved
- Farmoor reservoir shows possible environmental positives
Wetlands, Nature reserves
RSPB involvement
- Recreational facility
Sailing, windsurfing, angling
bird watching walks