COLLECT AND DIGEST ORGANIC WASTE

DISCOVER POTENTIALS OF OTHER WASTED PRODUCTS

URBANIZATION
CURRENT STATE OF PAQUETÁ

IMPROVE EXISTING HOUSING STOCK

PANORAMA PAQUETÁ

PEDRO BRUNO

COLONIZATION

1555

Rio de Janeiro

and politics

Water and energy supply + boat

SENSE OF PLACE FOR A VULNERABLE ISLAND COMMUNITY

connection to rio

1912

wealthy Brazilians as retreat

1970

opportunities and rapid growth of

permanent residents

5

ELECTRICITY

22,8 TJ

GAS

7,0 TJ

DIESEL

113,2 TJ

POTABLE WATER

431 m³

food and drinks

3003 t

natural gas

geo, solar

packaging

1852 t

electronics

2,2 t

material flows

< 17,5 ton

energy flows

< 0,25 TJ

coal

MATERIALS

All fresh

water is

used for

consumed by

boats

ENERGY

0,05 TJ

solar heat

0,05 TJ

bay: fish

104 t

plant growth

Large amounts

materials are

potential is

unused

Local

PUBLIC SPACE

BUILDINGS AND

CONSTRUCTION

FERRIES FREIGHT

(HOUSEHOLDS,

ENERGY

STREETS

PUBLIC)

PUBLIC)

WATER

bacon

water flows

< 400 m³

WATER

BEACH POOL

FOOD

7500 kg

water flows

< 400 m³

WATER

BEACH POOL

FOOD

7500 kg

nature

biogas

600 kg

LIGHTING

solar power

biowaste

1751 t

methane

517 t

ENERGY

CHP plant

517 t

methane

517 t

from bay

water

to make

energy

(range from 0.1 to 0.25 TJ)

we can't keep growing

many tourists stay

Disney park.

'we don't want huge

developments from outside,

turning Paquetá in a new

trying to make money by

'we can't keep growing

dirty beaches and

'Many tourists stay

Disney park.'
PLAN UPPER DECK 1:50

SECTION THROUGH WETLANDS 1:50