

GULLEWA GEOTHERMAL



GEOHERMAL ENERGY

EARTH'S
NATURAL HEAT

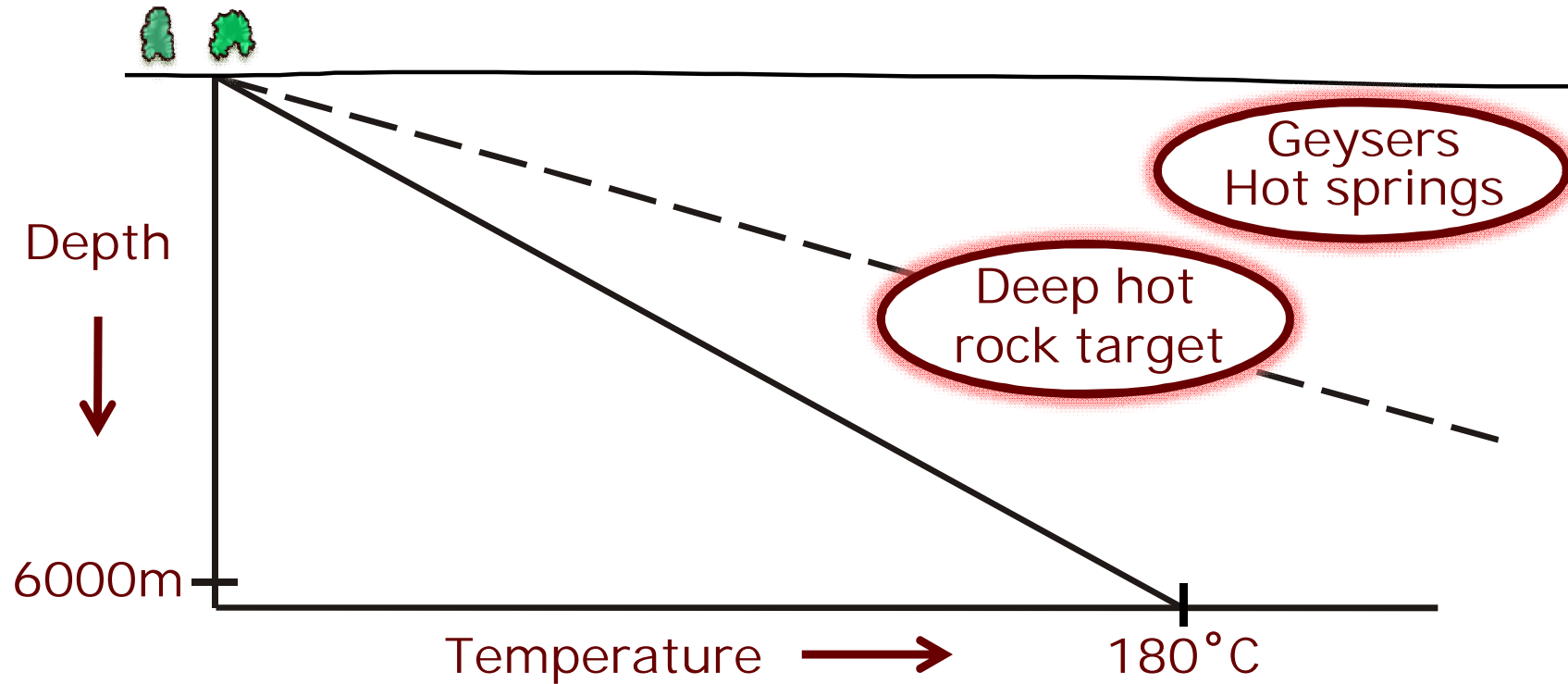
ELECTRICAL
ENERGY

SPACE
HEATING

- emission free
- small footprint
- renewable



EARTH'S TEMPERATURE INCREASES WITH DEPTH



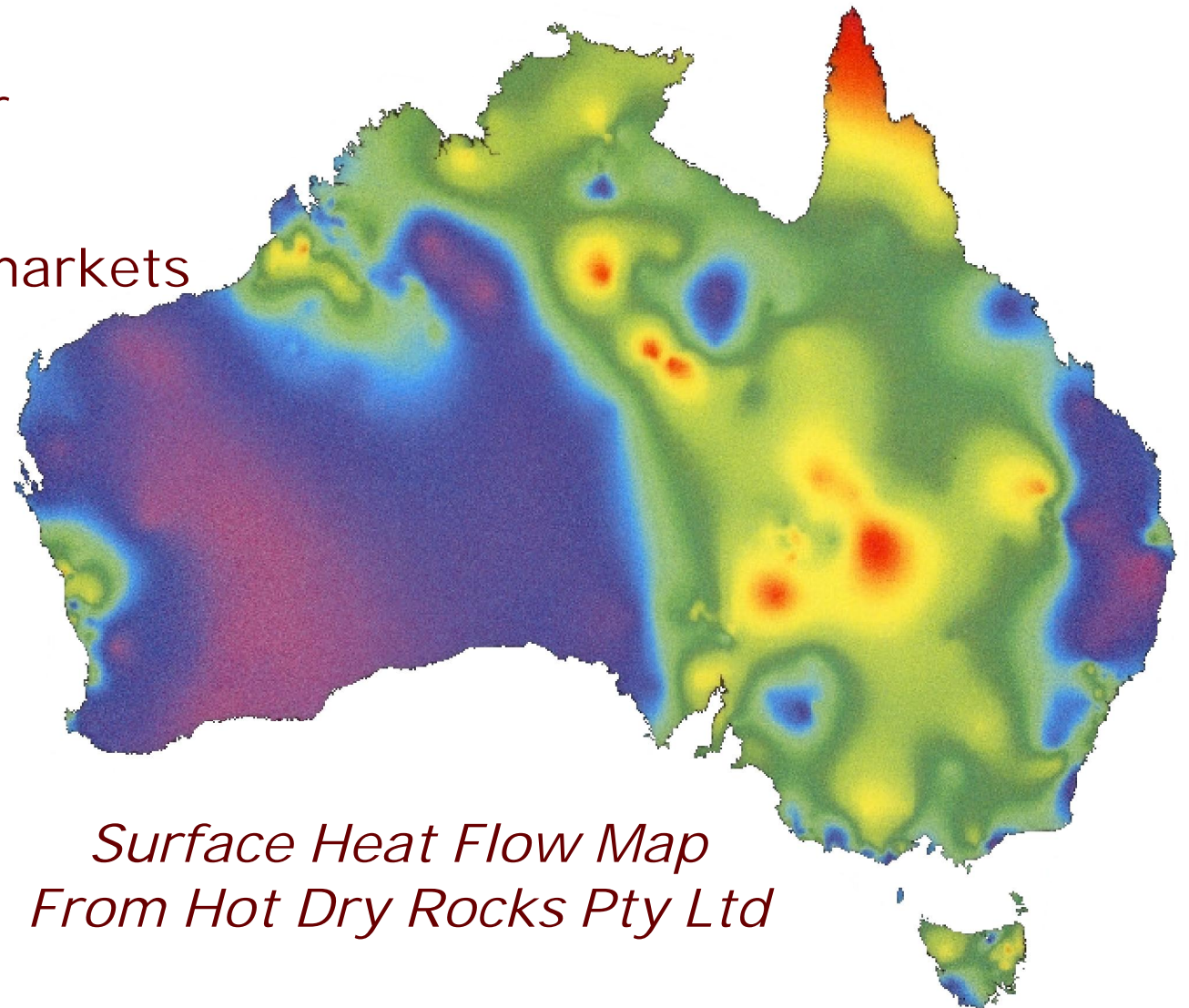
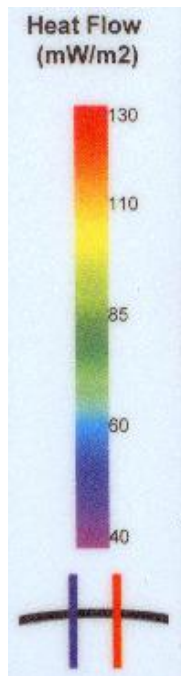
Geothermal energy
is basically similar
to normal mining

- EXPLORE for hot spots
- MINE the heat
- PROCESS the heat
- MARKET the energy

EXPLORE

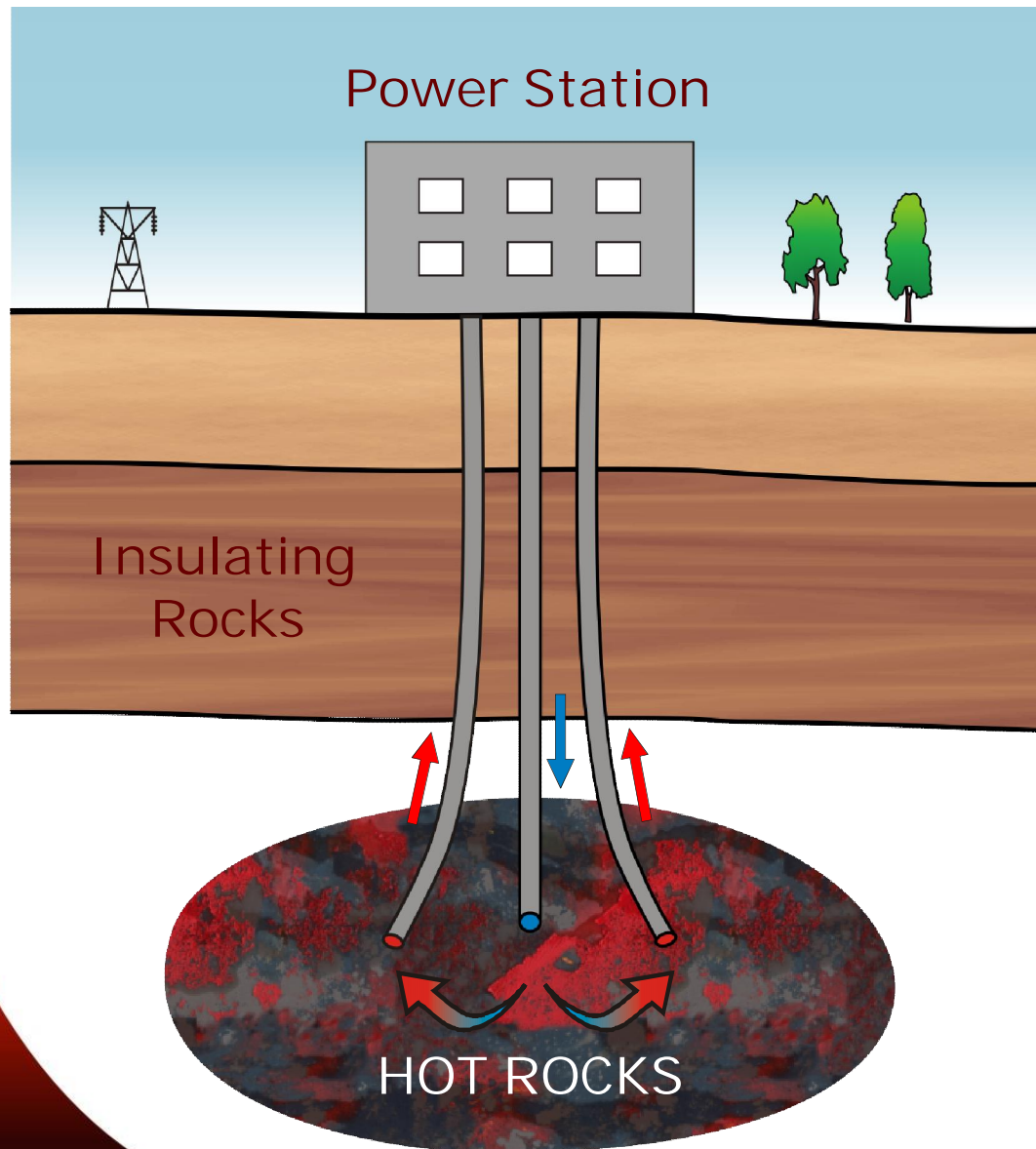
Key Exploration Factors

- high temperatures (150-200°C)
- shallower the better
- good insulating cover
- water supplies
- location to grid and markets



*Surface Heat Flow Map
From Hot Dry Rocks Pty Ltd*

EXTRACT (MINE) HEAT



- Depths normally 3,500 – 4,500m
- Hot rocks must be fractured
- Heat must be confined


GEOHERMAL POWER STATION



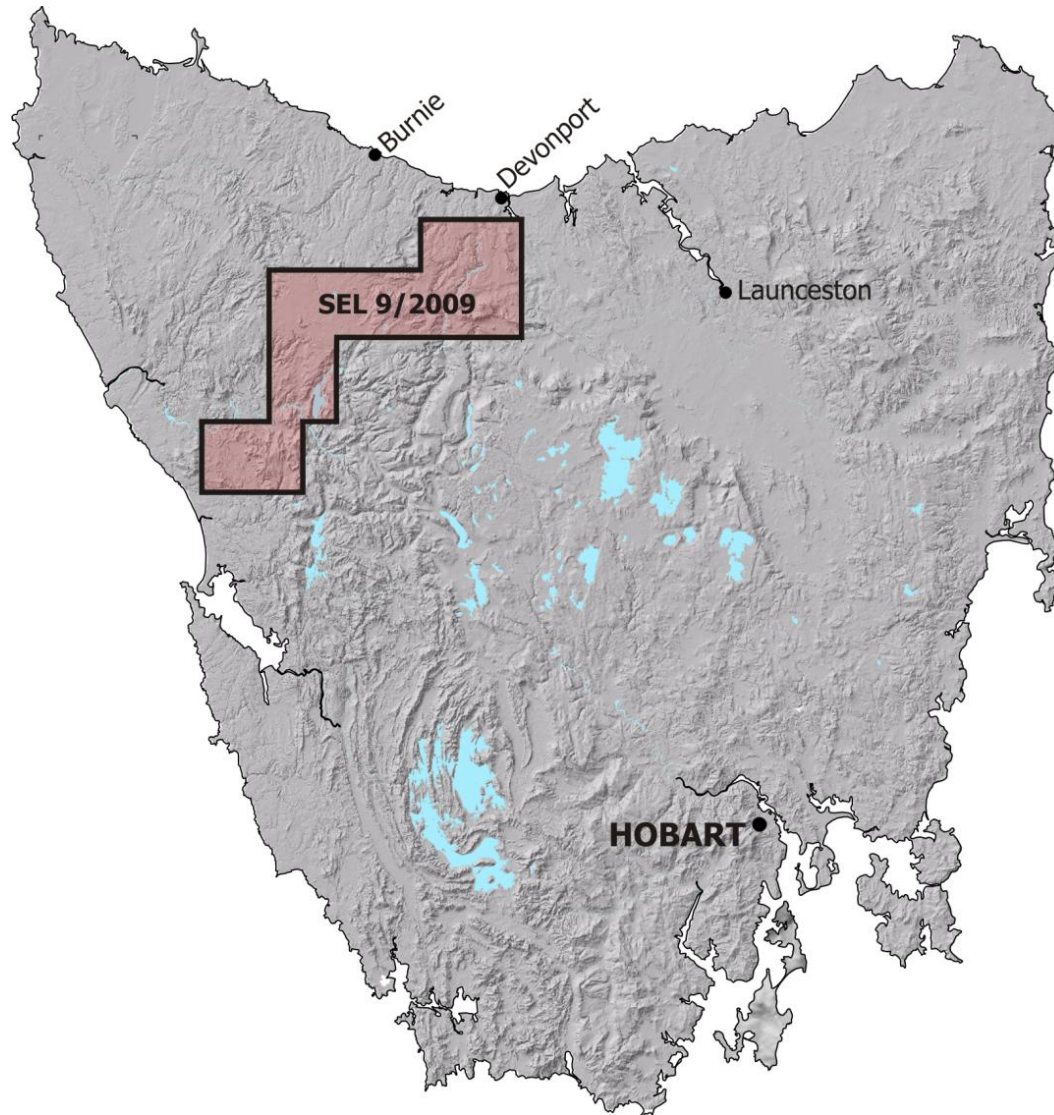
- technologies evolving
- efficiencies improving
- supplier competition
- costs likely to decrease

MARKET THE ENERGY

Key Factors

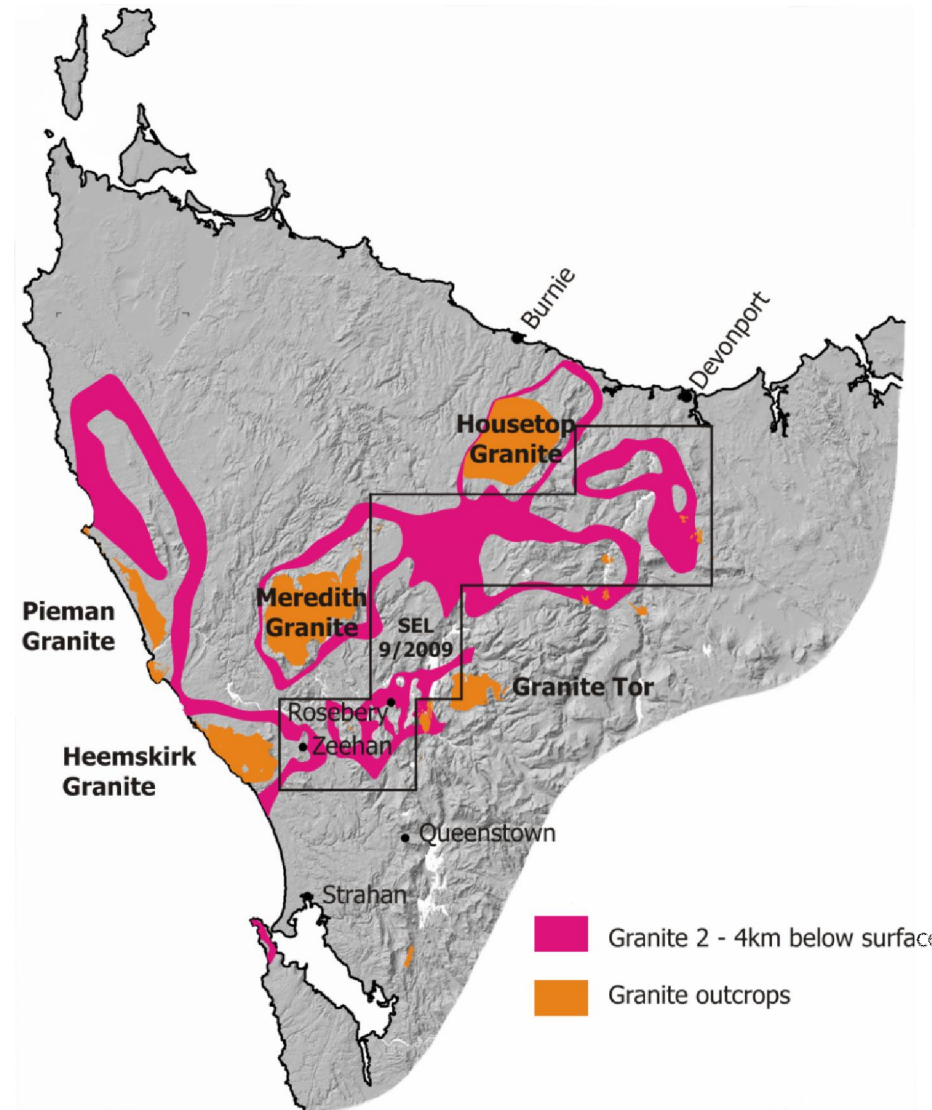
- transmission line costs are high
 - lose energy with distance
 - proximity to existing grid important
 - access to NEM
 - access to potential customers
 - energy prices will increase
- 

LOCATION



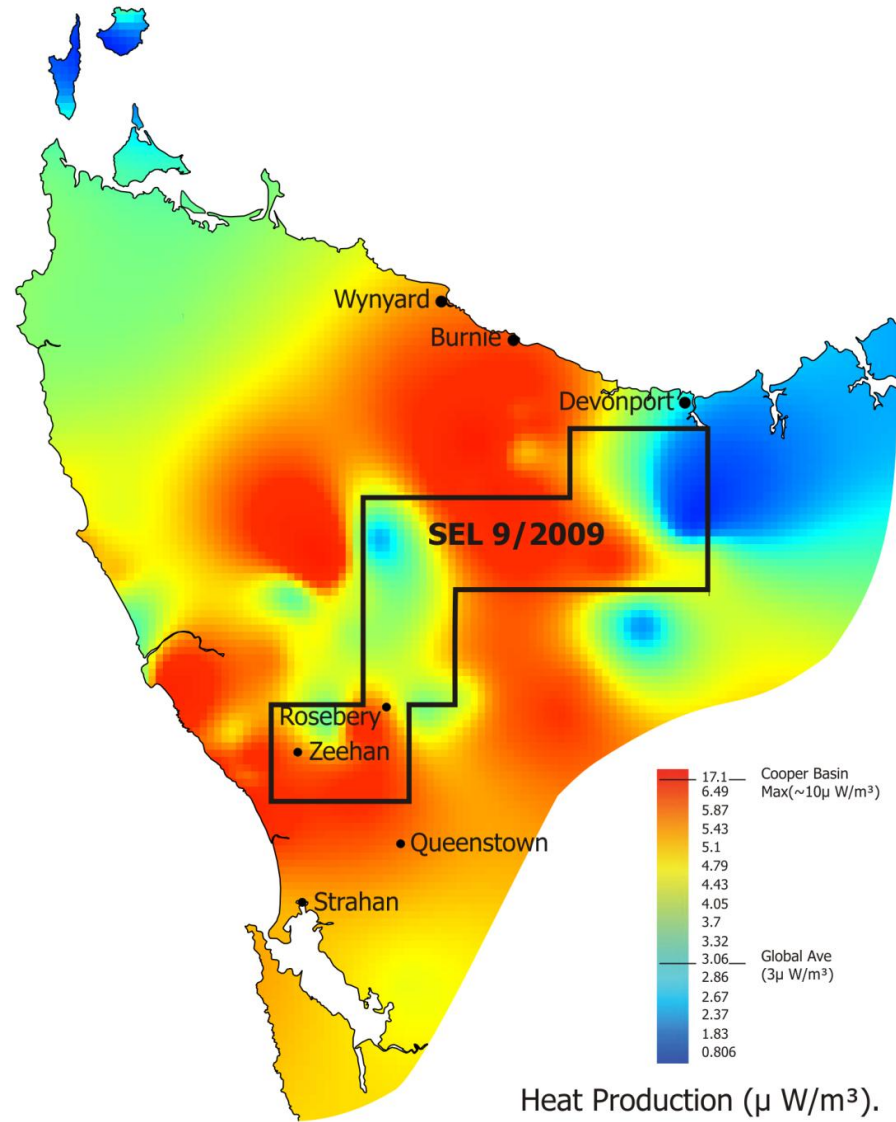
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DEVONIAN CARBONIFEROUS GRANITES



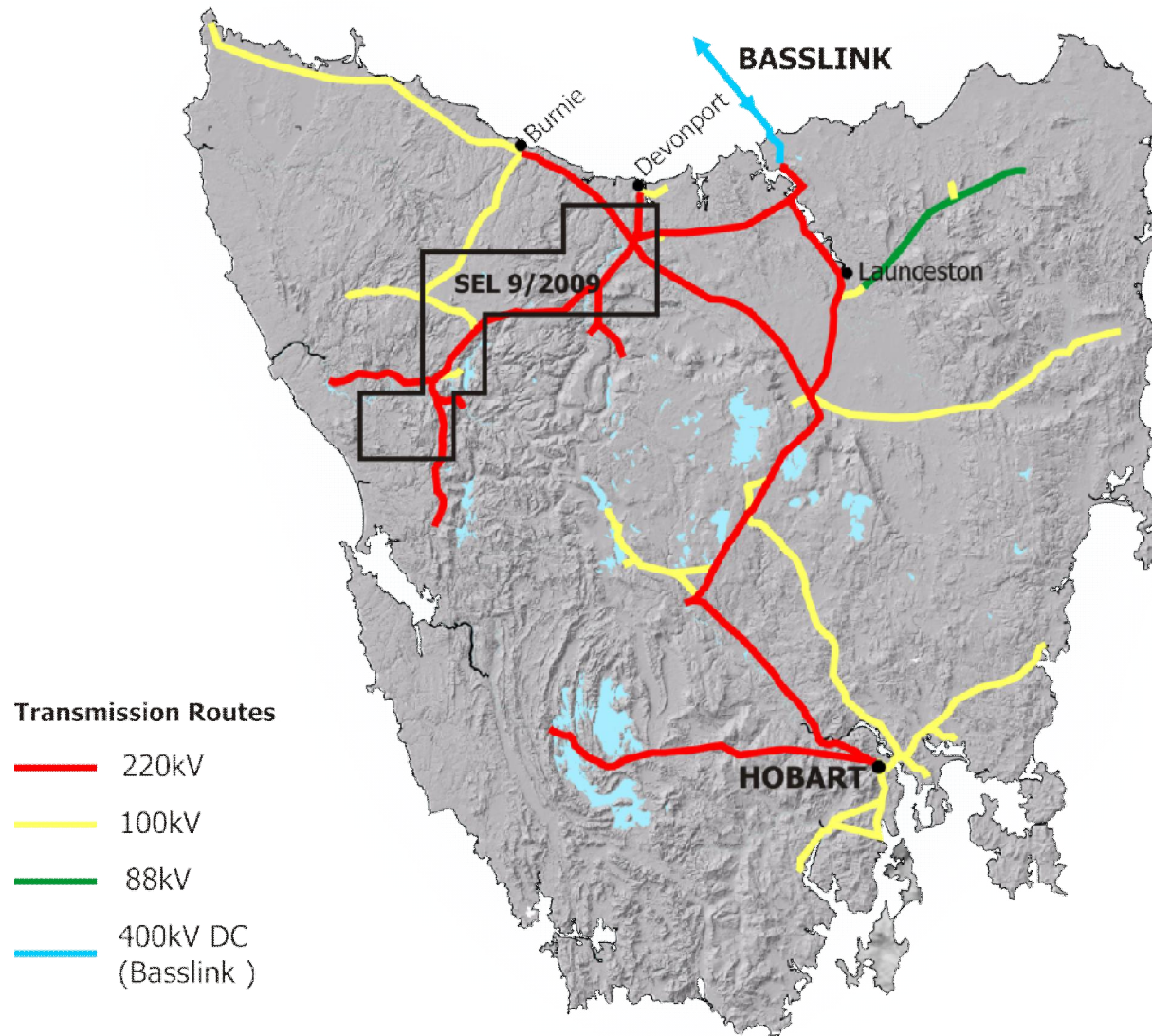
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HEAT PRODUCTION



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POWER GRID



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THE GULLEWA ADVANTAGE

- high temperature gradients
- good insulating rocks
- naturally fractured heat source
- close to grid and markets
- low cost area
- abundant water



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