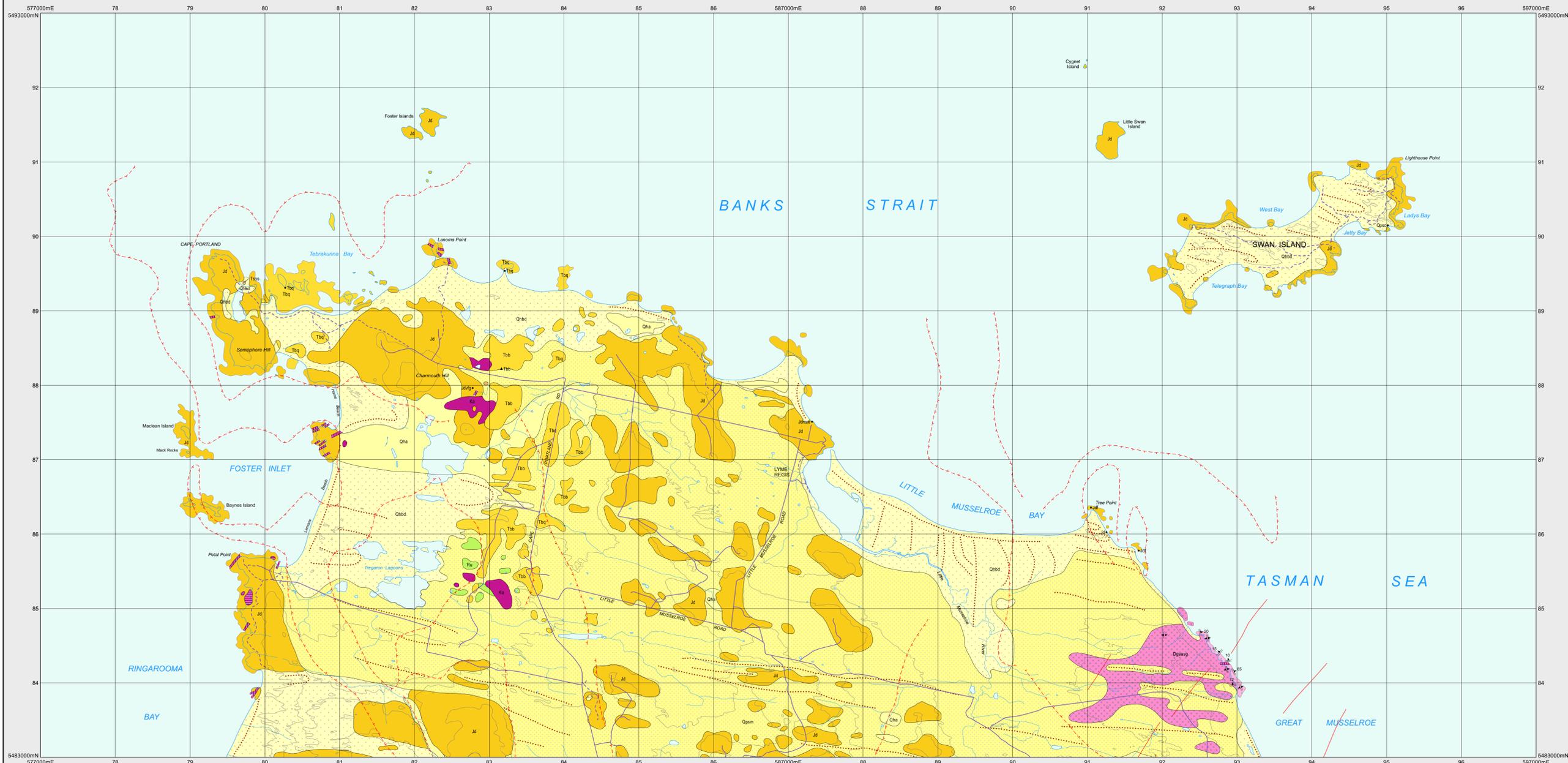
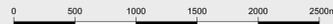


LYME REGIS NORTH

Scale 1:25 000



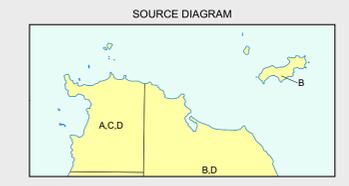
COMPOSITE LEGEND FOR LYME REGIS NORTH AND LYME REGIS SOUTH

CENOZOIC	
QUATERNARY	<ul style="list-style-type: none"> Qha Stream alluvium, swamp and marsh deposits (Qha). Qhbd Younger aeolian dune sand, beach sand and gravel (Qhbd).
PLEISTOCENE	<ul style="list-style-type: none"> Qpht Dolerite talus (Qpht).
HOLOCENE	<ul style="list-style-type: none"> Qpsm Marine terrace deposits of gravel, sand, clay, shells and organic material (Qpsm); clay, sand, minor peat and gravel (Qpsc). Qpsw Older aeolian dune sand (Qpsw).
UNCONFORMITY	
TRIASIC	<ul style="list-style-type: none"> Tssm Lag and outcrop of silicified quartz sandstone and conglomerate (Tssm).
PERMIAN	<ul style="list-style-type: none"> Tm Marine limestone (Tm).
UNCONFORMITY	
TRIASSIC	<ul style="list-style-type: none"> Tb Basalt (Tb).
UNCONFORMITY	
PERMIAN	<ul style="list-style-type: none"> Ru Fresh-water, cross-bedded quartz sandstone (Ru) (Upper Permian Group). Pufm Fossiliferous marine sandstone (Pufm) (Upper glacio-marine sequence). Pfp Cross-bedded quartz sandstone and carbonaceous mudstone (Pfp) (freshwater sequence). Pfg Richly to sparsely fossiliferous (bryozoa) siltstone with dropstones and poorly sorted pebbly sandstone (Pfg) (Lower glacio-marine sequence).

IGNEOUS ROCKS	
CRETACEOUS (?)	<ul style="list-style-type: none"> Tb Basalt (Tb); basanite (Tbs) and quartz tholeiite (Tbt) indicated; Tbt dated at ~70Ma (K/A) (P.L. Sutherland & H. Zwingmann, unpublished).
SHONONITIC COMPLEX	<ul style="list-style-type: none"> Ka Shoshonitic to latic porphyry intrusives, with phenocrysts of hornblende + plagioclase + quartz + biotite + titanite in a quartzfeldspathic groundmass dated at 102.3±2.6 Ma (K/A) at 583 000mE, 5 487 600mN (McDougall & Green 1982) (Ka). Kc Coeval shoshonitic to latic dykes dated at 101.3±2.6 Ma at 580 700mE, 5 487 400mN (McDougall & Green 1982) (Kc). Kaf Coeval, vesicular to amygdaloidal shoshonitic lava with phenocrysts of augite and hornblende in a quartzfeldspathic groundmass (Kaf).
JURASSIC	<ul style="list-style-type: none"> Jd Dolerite (Jd); very-fine-grained (0.2 - 0.7mm) with interstitial black glass (JdVfg); fine-grained (0.7 - 1.5mm) (JdF); medium- to coarse-grained (1.5 - 3mm) with abundant interstitial mesotaxite (JdMe).
EDDYSTONE BATHOLITH	
DEVONIAN	<ul style="list-style-type: none"> Dgaaq Fine-grained porphyritic biotite-muscovite granite, with phenocrysts of quartz and feldspar (Dgaaq). Dgaasq Coarse- to very coarse-grained variably porphyritic biotite-garnet-minor muscovite alkali feldspar granite/monzonite (Dgaasq) (Dgaaq, Dgaasq: Musselroe Granite, S-type).

CONTACTS	
Geological contact.	—
Limit of mapping of sub-unit within undifferentiated rock unit.	---
Limit of detailed mapping.	----
LINEARS	
Dune crest.
Lineament - visible in magnetic data.	—
Magnetic gradient or lineament (direction towards lower values indicated).	--->

Strike and dip of bedding, facing known.	↙ ↘
Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granite rock, vertical.	↖ ↗
Notable small outcrop with rock unit indicated.	•
Notable small float or lag occurrence with rock unit indicated.	▲



REFERENCE THIS MAP AS:
 MCLENAGHAN, M.P. (compiler) 2005. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5848 Lyme Regis. Mineral Resources Tasmania.
 Base data from the LIST, Copyright State of Tasmania.
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 Website: www.mrt.tas.gov.au
 GDSM - MGA Zone 55. Contour Interval: 20 metres.

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