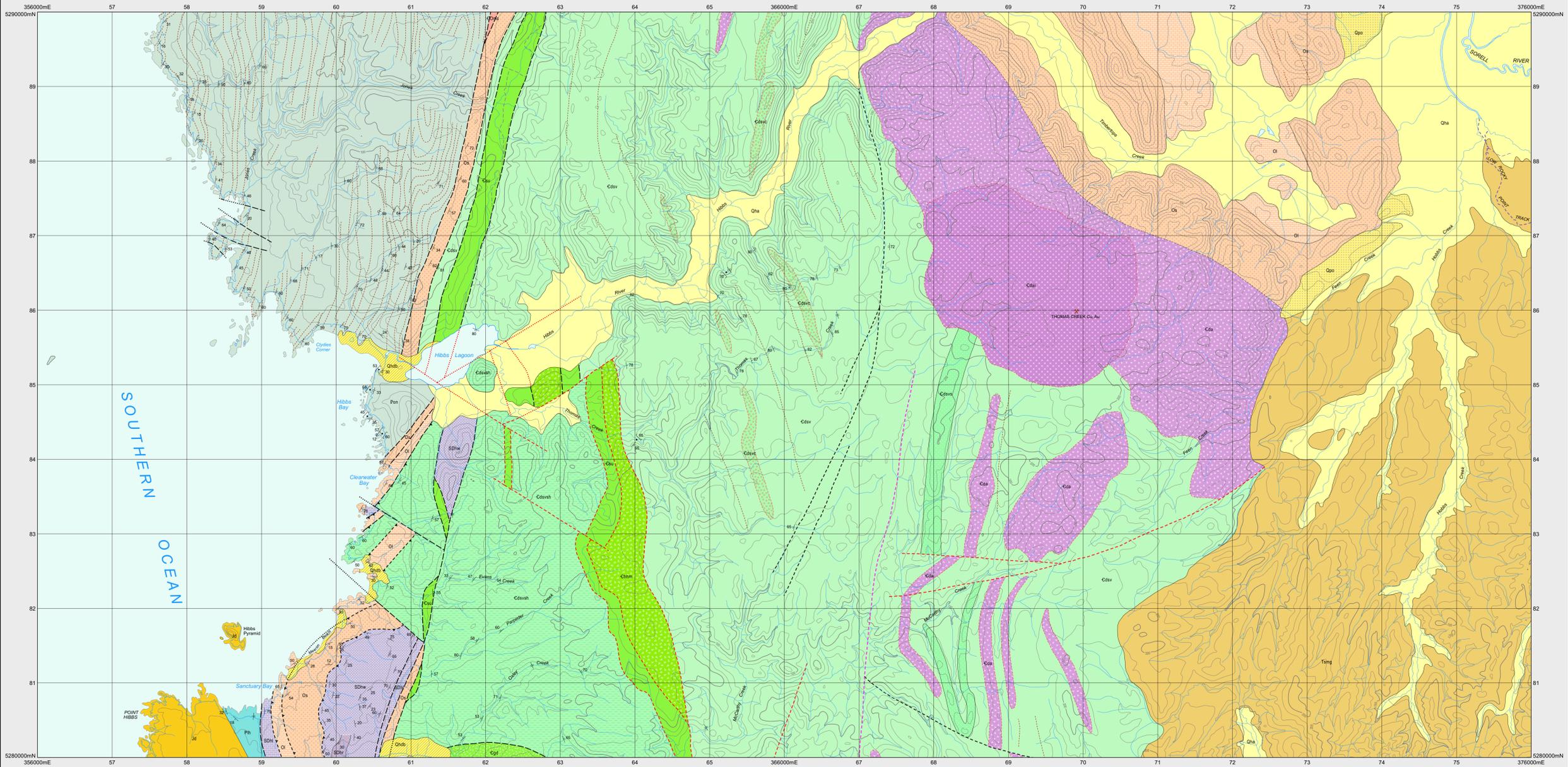
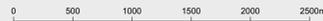


# HIBBS WEST

Scale 1:25 000



## COMPOSITE LEGEND FOR HIBBS EAST AND HIBBS WEST

CEANOZOIC	QUATERNARY
	PHLEISTOCENE / HOLOCENE
	Qhdh Modern shore face and associated aeolian dune sand (Qhdh).
	Qha Stream alluvium, marsh and swamp deposits (Qha).
	Qpo Older alluvial gravels, mainly on raised terraces developed on Tertiary deposits, and showing a gradational relationship to younger alluvium (Qpo).
	Tsmg Erosional surface.
	Tsmg Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silt and clays, some horizons contain coalified wood and rare amber (Tsmg).
	Pth Erosional surface.
	Pth Marine sequence of grey, poorly sorted polymict cobble-pebble lithic conglomerate, pebbly lithic sandstone, siltstone, calcareous mudstone and limestone, with abundant marine microfossils in some beds (Pth). (Correlates of lower Parmeener Supergroup).
	Angular unconformity due to Middle Devonian polyphase orogeny.
PALEOZOIC	DEVONIAN
	LOWER DEVONIAN
	SDhw Pale-weathering, cross-bedded, well-sorted marine quartz sandstone with minor siltstone and conglomerate, fossiliferous bed near top contains brachiopods, tentaculid and orthocone cephalopods (SDhw). (Whitehorse Beach Sandstone).
	SDhr Unfossiliferous redbed sequence of predominantly fine-grained lithic sandstone with subordinate coarse lithic sandstone and lithic conglomerate, arranged in fining-upward sequences (SDhr). (Red Reef Cliff Sandstone).
SDni Interbedded fossiliferous marine limestone and calcareous mudstone, with abundant coral heads up to 0.5m in diameter (SDni). (Point Hibbs Formation).	
Possible disconformity.	

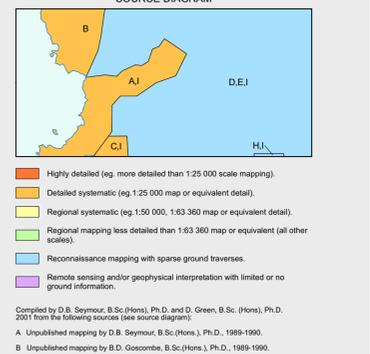
PALEOZOIC	ORDOVICIAN
	Or Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products; in part fossiliferous (Or).
	Os Grey to pink or reddish siliceous sandstone with subordinate granule-pebble conglomerate and minor siltstone. Cross-bedded in places, subarated in places. Ostracoon fossils at 387 412mE S 296 083mN north of this map sheet. Includes distinctive red cross-bedded sandstone sequence at Point Hibbs (Os).
	OCms Marine mudstone-siltstone-sandstone sequence, grey to reddish-grey, with Late Cambrian fossils at 364 612mE S 298 383mN north of this map sheet (OCms).
	Unconformity
	Cdsv Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks, ranging from felsic to andesitic in composition. May include non-volcanic sedimentary rocks (Cdsv).
	Cda Andesitic lavas and breccias, with volcanoclastic units and possible intrusives. Typically plagioclase-pyroxene-phylic. Includes some units mapped from aeromagnetic signature (Cda).
	Cdsvc Dominantly volcanoclastic conglomerate-sandstone unit, typically felsic, with weakly positive magnetic character (Cdsvc).
	Cdsvs Ridge-forming, probable sandstone units, typically non-magnetic (Cdsvs).
	Cdsvsh Dominantly siltstone-mudstone sequence, grey to greenish-grey, thin-bedded, with subordinate thin graded turbidite sandstone units (Cdsvsh).
	Inferred erosional surface
	Cshm Dominantly intermediate volcanic rocks, including probable high-Mg andesites, and gabbro. Probably structurally emplaced (Cshm).
	Csu Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Csu).
	Pen Metamorphosed interbedded quartzite and mudstone/siltstone (Pen). Correlates of Onagh Formation.

INTRUSIVE ROCKS
Ad Dolerite (Ad).
Cdsvi Andesitic intrusive rocks, including plagioclase-pyroxene-phylic diorite and granodiorite (Cdsvi).
Cda Andesitic lavas and breccias and possible intrusives (Cda).
Cgfd Gabbro dykes, intrusive bodies and fault bounded units (Cgfd).
Cshm Dominantly intermediate volcanic rocks and gabbro, including probable high-Mg andesites (Cshm).
Csu Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Csu).

CONTACTS
Geological contact
Geological contact - inferred
Geological contact - inferred from magnetic data
Geological contact - inferred from radiometric data
Limit of mapping of sub-unit within undifferentiated rock unit
Limit of detailed mapping

FAULTS
Fault
Fault - inferred
Fault - concealed
Fault - inferred from magnetic data
Fault - concealed, inferred from magnetic data
Fault - inferred from radiometric data
Fault - inferred from magnetic data
Thrust fault (teeth on upper plate)
Thrust fault (teeth on lower plate) - inferred

LINEARS
Lithological trend line, including bedding trace interpreted from aerial photographs



REFERENCE THIS MAP AS:  
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GDA94 - MGA Zone 55. Contour Interval: 20 metres.

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