



Gippsland Lakes Aquatic Trail Suggested & Prioritised Stages Works Packages

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Destination
GIPPSLAND



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ACKNOWLEDGEMENT

We acknowledge the Indigenous peoples of the lands, waters and communities we work together with. We pay our respects to their cultures; and to their Elders – past, present and emerging.



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Suggested and Prioritised Staged Works Packages

The following tables represent the suggested works in prioritised stages for the GLAT project should funding or other moderating factors require a phased approach to infrastructure investment and development. Works packages have been determined and prioritised according to the outcomes of:

1. Advancing the greater GLAT project in general
2. Delivering stand-alone experiences that are not *operationally* dependent on other future stage works across the greater GLAT project
3. Delivering immediate benefit to community upon completion
4. Delivering immediate benefit to visitation outcomes and economic development upon completion
5. Delivering sustainable environmental outcomes
6. Finalising a component of development works that facilitates and is compatible with future GLAT works



SUMMARY

PRIORITISATION / STAGE	WORKS PACKAGE	COST	PUBLIC / PRIVATE
1	Kalimna-Nyerimilang trail and footbridge <i>incl. trailhead at Lakes Entrance and GLAT signage plan.</i>	\$2,728,500	Public
2	Sperm Whale Head trails and trailhead	\$2,020,000	Public
3	Red Bluff trail and stair link	\$625,000	Public
4	Bunga Arm trails	\$497,000	Public
5	Kayak launch facilities	\$298,300	Public
6	Overnight nodes – feasibility	\$125,000	Public
7A	Overnight node – Rotamah services	\$1,000,000	Public
7B	Overnight node - Rotamah	\$3,287,500	Private
8A	Overnight node – Nyerimilang services	\$1,000,000	Public
8B	Overnight node - Nyerimilang	\$3,037,500	Private
9	Latrobe River trails upgrade	\$330,000	Public
10	Latrobe river jetties / boat launches	\$595,000	Public
11	Cameron Arm campsite upgrade	\$110,500	Public
12	Forestec to Discovery trail and GLAT gateway upgrade	\$327,000	Public
13	Signage and wayfinding – gap analysis and on trail provision remainder of GLAT	\$130,000	Public
14	Pre-trip information review and collateral creation, all of GLAT	\$150,000	Public
FINISH	TOTAL public (+ 20% contingency)	\$11,923,560	Public
FINISH	TOTAL private	\$6,325,000	Private
FINISH	TOTAL public (+ 20% contingency) + private	\$18,248,560	Public + Private

WORKS PACKAGE Stage 1: Kalimna-Nyerimilang trail and footbridge

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Kalimna Jetty to inlet	Engineering inspections and initial assessments - Kalimna wall-walk + Nyerimilang footbridge section	Construction feasibility report/s, permits	\$50,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management) + Gippsland Ports	Trail#1	- Connects Lakes Entrance township with Nyerimilang Heritage Park for on foot access - Establishes major community infrastructure asset - Facilitates increased community recreation (encouraging increased activity via creation of safe and scenic walk) - Creates inbound tourism drawcard - Leverages Nyerimilang Heritage Park attraction - Leverages Kalimna jetty infrastructure and visitation node (and nearby tourism relevant developments) - Active transport outcomes (car-less access) - Potential local tours / business stimulus
	Enviro and cultural assessments	Environmental and cultural assessment report/s, permits	\$49,500			
	Design and engineering (walkway and footbridge)	Detailed design and cost of walkway	\$150,000			
	New trail construction 650-700 metres boardwalk or rock wall trail	Completion of walkway	\$1,400,000			
	70-80 metre footbridge construction	Completion of footbridge	\$800,000			
	20-40m boardwalk	Completion of boardwalk	\$40,000			
	Signage & Wayfinding Plan* <i>*all of GLAT</i>	Strategy plan, final design template and brand for signage	\$44,000			
	Signage & Wayfinding Incl. Lakes Entrance trailhead	Trailhead, interpretation and wayfinding in situ	\$195,000			
	TOTAL (EXCL GST)		\$2,728,500			

WORKS PACKAGE Stage 2: Sperm Whale Head

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Sperm Whale Head	Trail audit and pre-planning	Survey of trails and geography	\$30,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1 Trail #2	- Connects Lakes Entrance township with Nyerimilang Heritage Park for on foot access - Establishes major community infrastructure asset - Facilitates increased community recreation (encouraging increased activity via creation of safe and scenic walk) - Creates significant inbound tourism drawcard - Leverages Nyerimilang Heritage Park attraction - Leverages Kalimna jetty infrastructure and visitation node (and nearby tourism relevant developments) - Active transport outcomes (car-less access) - Potential local tours / business stimulus
	Environmental and Cultural Assessments	Environmental and cultural assessment report/s, permits	\$40,000			
	Trail upgrades 11.5km	Refurbished existing trails	\$590,000			
	New trail construction 7km	New trails built	\$420,000			
	Boardwalk and other attending construction	Boardwalks, stairs and infrastructure	\$584,000			
	Interpretation strategy <i>*all of GLAT</i>	Interpretation strategy plan, final design template	\$76,000			
	Signage & Wayfinding Incl. trailhead Loch Sport	Trailhead, interpretation and wayfinding in situ	\$280,000			
	TOTAL (EXCL GST)		\$2,020,000			

WORKS PACKAGE Stage 3:

Red Bluff Trail Link

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Red Bluff – Lake Tyers Beach/Lake Bunga Cliffs	Trail audit	Survey data to inform works	\$20,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#3	- Creates important pathway link between Lake Tyers Beach and Lakes Entrance - Remediates current degraded section of high traffic trail subject to inundation (Lake Tyers headland) - Creates safer alternative passage to rounding Red Bluff / linking beaches (only possible at low to mid tide, prone to user risk, not sustainable nor environmentally sensitive) - Active transport outcomes - Completes full multi activity loop (GLAT Trail #3) - Creates stand-alone attractive walk/run route appealing to local community use and visitor use - Enables local active events between townships - Business, economy, visitation stimulus for Lake Tyers Beach village
	Environmental and Cultural Assessments	Environmental and cultural assessment report/s, permits	\$30,000			
	Trail upgrades / walkway construction Lake Tyers Beach headland	350m walkway with balustrade constructed	\$420,000			
	New trail construction 600 metres	New trail constructed	\$30,000			
	Trail infrastructure	Stairs constructed	\$60,000			
	Wayfinding & Signage	Trailhead, interpretation and wayfinding in situ	\$65,000			
	TOTAL (EXCL GST)		\$625,000			

WORKS PACKAGE Stage 4:

Bunga Arm Trails

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Bunga Arm	Trail audit	Survey data to inform works	\$8,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1	- Improved user amenity and visitor experience of existing in-use trail network - Activation of shared use / other activity (cycling) - Better connection to on-water active experiences available on Bunga Arm - Activates potential stand-alone nature based experiences based out of Metung = local business, economic and visitation outcomes - Improved environmental condition - Improved visitor safety - Reduced maintenance
	Environmental and Cultural Assessments	Environmental and cultural assessment report/s, permits	\$25,000			
	Trail upgrades 12km	Upgraded trail surfacing and drainage works	\$420,000			
	Trail infrastructure	Walker gate, 2 x stairs	\$24,000			
	Wayfinding & Signage	Trailhead, wayfinding in situ	\$20,000			
	TOTAL (EXCL GST)		\$497,000			

WORKS PACKAGE Stage 5:

Kayak launch facilities

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Bunga Arm, Nyerimilang, Ocean Grange	Environmental and Cultural Assessments	Environmental and cultural assessment report/s, permits	\$32,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1	- Activates land-based nature activities available on north side of Bunga Arm via water-based (kayak, canoe, stand up paddleboard, small boat) access (existing patronage from Bunga Arm camps) - Facilitates activation of GLAT Trail#1 - Creates opportunity for stand alone multi-activity tours focused on Bunga Arm, Ocean Grange (and extensions to Rotamah and/or Sperm Whale Head). - Tour business opportunities focused on Bunga Arm area - Sustainability outcomes protecting north shore Bunga Arm - Increased boat tie-up security at Nyerimilang - encourages day visit access by water based paddlecraft from Kalimna / Lakes Entrance.
	Construction and installation	Tethering infrastructure, storage (Nyerimilang, Ocean Grange), floating platform jetty and boat ramp (Bunga Arm), stairs (Bunga Arm)	\$266,300			
	TOTAL (EXCL GST)		\$298,300			

WORKS PACKAGE Stage 6: Overnight nodes – feasibility

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Nyerimilang & Rotamah	Environmental and Cultural Assessments	Environmental and cultural assessment report/s, permits	\$95,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1, 2	- Finalises feasibility and permissive pathway for implementation of two accommodation nodes benefiting GLAT trails and other hosted tour business opportunities - Identifies and sets boundaries for commercial operations and operators of accommodation nodes - Identifies potential operators and operating model
	Commercial & cultural partnerships study	Identification and initial negotiations (including EOI if appropriate) with commercial partners	\$30,000			
	TOTAL (EXCL GST)		\$125,000			

WORKS PACKAGE Stage 7A:

Overnight node – Rotamah // PUBLIC SECTOR

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Rotamah Island	Design, engineering, construction of site services	Electricity, water, power supply	\$1,000,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1, #2	Prepares site for private investment construction
	TOTAL (EXCL GST)		\$1,000,000			

WORKS PACKAGE Stage 7B:

Overnight node – Rotamah //PRIVATE SECTOR

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Rotamah Island	Design, engineering, management	Plans for accommodation and facility build	\$450,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1, #2	- Activates nature-based accommodation option - Improvement and leveraging of existing Rotamah Island infrastructure and facility - Sustainability and amenity improvements - Provides opportunity to focus on Gunaikurnai experiences and interpretation based from accommodation nodes and other Gunaikurnai business development opportunities - Potential maintenance income stream
	Pod build	Pods built	\$1,000,000			
	Facilities and engineering build	Facilities built incl. services	\$1,400,000			
	Paths and landscaping	Landscaping complete	\$137,500			
	Contingency	Incl. offsets	\$300,000			
	TOTAL (EXCL GST)		\$3,287,500			

WORKS PACKAGE Stage 8A:

Overnight node – Nyerimilang // PUBLIC SECTOR

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Nyerimilang Heritage Park	Design, engineering, construction of site services	Electricity, water, power supply	\$1,000,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1	Prepares site for private investment construction
	TOTAL (EXCL GST)		\$1,000,000			

WORKS PACKAGE Stage 8B:

Overnight node – Nyerimilang // PRIVATE SECTOR

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Nyerimilang Heritage Park	Design, engineering, management	Plans for accommodation and facility build	\$450,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#1	- Activates nature-based accommodation option - Adds value and overnight experience overlay to Nyerimilang Heritage Park - Provides opportunity to focus on Gunaikurnai experiences and interpretation based from accommodation nodes and other Gunaikurnai business development opportunities - Potential maintenance income stream
	Pod build	Pods built	\$1,000,000			
	Facilities and engineering build	Facilities built incl. services	\$1,287,500			
	Contingency	Incl. offsets	\$300,000			
	TOTAL (EXCL GST)		\$3,037,500			

WORKS PACKAGE Stage 9: Latrobe River trails upgrade

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Latrobe River trails incorp. Sale Wetlands Flooding Creek & Heart Morass Wetlands	Trails upgrade	Improved trails suitable for shared use (cycling-walking)	\$150,000	West Gippsland Catchment Management Authority	Trail#4	- Activates cycling (and walking/running) access to / from Heart Morass Wetlands - Improves amenity and visitor experience - Provides opportunity for improved interpretation of wetland environments - Possible sustainability outcomes
	Wayfinding & Signage Including trailhead Port of Sale	Trailhead, interpretation, wayfinding in situ	\$180,000			
	TOTAL (EXCL GST)		\$330,000			

WORKS PACKAGE Stage 10: Latrobe river jetties / boat launches

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
	Design, environmental, cultural and heritage assessments	Environmental, cultural and heritage assessment report/s, permits	\$95,000	Wellington Shire Council + West Gippsland Catchment Management Authority	Trail#4	- Improves visitor and boat tour amenity - Riverbank sustainability - Enables multi-activity tours - Access to wetlands
	Design and build boat jetties	Boat jetty installation at Heart Morass and McCardells	\$300,000			
	Infrastructure	Picnic and seating facilities	\$200,000			
	TOTAL (EXCL GST)		\$595,000			

WORKS PACKAGE Stage 11:

Cameron Arm campsite upgrade

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Cameron Arm Campsite	Toilet construction	Toilet and sewage management	\$80,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#3	Improved amenity at campsite for paddle in and drive in patrons
	Paths, landscaping	Improved landscaping	\$30,500			
	TOTAL (EXCL GST)		\$110,500			

WORKS PACKAGE Stage 12:

Forestec to Discovery trail and GLAT gateway upgrade

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Limestone Box Forest trail	Trail upgrade works	Upgraded trails suitable for Grade 1 riding	\$70,000	Parks Victoria + Gunaikurnai Land and Waters Aboriginal Corporation (Joint Management)	Trail#3	- Creates 'gateway' interpretation centre for GLAT - Focus on Gunaikurnai cultural interpretation of all of Gippsland Lakes landscapes - Improved accessibility to existing Discovery Trail from Forestec - Improved adherence to Universal Design principles - Improves stand alone 'green/easy' cycling route options
Forestec / Gunaikurnai Cultural Centre	Wayfinding & Signage Incl. Gunaikurnai Forestec revamp trailhead	Trailhead, interpretation, wayfinding in situ	\$257,000			
	TOTAL (EXCL GST)		\$327,000			

WORKS PACKAGE Stage 13:

Signage and wayfinding – gap analysis and on trail provision; remainder of GLAT

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
Across GLAT network	Gap analysis survey of all of GLAT trails and projects	Identify all gaps in wayfinding, trailhead and interpretation signage across GLAT network	\$30,000	Identified manager of GLAT brand and project [East Gippsland Shire Council]	Trail#1,2,3,4	- Finalises all waymarking - Creates continuity across GLAT trails - Creates logical wayfinding and safety measures for users - Delivers appropriate interpretation relevant to culture, environment and history delivering educational and other knowledge based outcomes (i.e. trail stewardship)
	Install remaining required signage and waymarking identified	Signage complete	\$100,000			
	TOTAL (EXCL GST)		\$130,000			

WORKS PACKAGE Stage 14:

Pre-trip information gap analysis review and collateral creation, all of GLAT

LOCATION	WORKS REQUIRED IN STAGED ORDER	OUTPUT	ESTIMATED COST	LEAD AGENCY	GLAT INTEGRATION	STAND ALONE BENEFITS
	Pre-trip information gap analysis and supply	Pre-trip facilitation information, digital and hardcopy	\$150,000	Identified manager of GLAT brand and project [East Gippsland Shire Council]	Trail#1,2,3,4	- Facilitates promotion and pre-trip planning for all GLAT trails - Provides on trail safety advice and risk management - Promotes third party services (accommodation, tours, hospitality etc)
	TOTAL (EXCL GST)		\$150,000			



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