

Meeting: Rotorua Te Arawa Lakes Strategy Group

Meeting Date: 14 May 2021

Tabled Documents

Agenda Item 8.1 Te Arawa Lakes Trust Update

Tabled Document 1 - Tabled Item 8.1 TALT Update for RTALSG 14 May 2021 **2**

Agenda Item 9.1 Rotorua Lakes Council Update Report

Presentation 1 RLC Presentation to RTALSG 14 May 21 **4**

Agenda Item 9.2 Rotorua Te Arawa Lakes Programme Update; 2021/22 Annual Work Plan and 2021-2024 Three Year Plan

Tabled Document 2 - Tabled Item R069 Weed harvesting additional funding **11**

Presentation 2 BOPRC Presentation to RTALSG 14 May 2021 PDF **13**



Report to: Te Arawa/Rotorua Lakes Strategy Group

Meeting Date: 14 April 2021

Report From: Karen Vercoe – CEO - Te Arawa Lakes Trust

Scope

This report outlines the activities of the Te Arawa Lakes Trust in the Rotorua/Te Arawa Lakes Programme.

Summary

The key focus of the third quarter of the 2020/21 year has been leading the Tarawera Collective Impact project and continuing to add value to the Te Arawa Lakes Programme on behalf of our Te Arawa beneficiaries.

The Te Arawa Lakes Trust team has also been working towards a response to Te Hononga about engagement on the National Policy Statement for Freshwater Management implementation by the Bay of Plenty Regional Council.

Te Arawa/Rotorua Lakes Programme

Te Tūāpapa is embedded into the Lakes Strategy programme

1. The engagement plan for the roll out of Te Tūāpapa and He Mahere Taiao is in implementation phase as we are working with RLC Parks and Reserves to finalise a date for our next workshop.
2. Te Tūāpapa and He Mahere Taiao has formed the basis of our input to the BOPRC Long term plan submission.

Te Arawa Lakes Trust - Statutory responsibilities

Lakes structures and Consents

3. The Te Arawa Lakes Trust has been working closely with Rotorua Lakes Council and its contractors on the Lakefront Development, particularly about the monitoring and management of koura.
4. A submission on the Alum dosing consent has been made by TALT supporting the recommendations of the Cultural Impact Assessments undertaken by hapū and Iwi for the Puarenga and Uthina Streams.

Policy and Planning matters

5. TALT continue to engage with BOPRC on Plan change 14 - Onsite Effluent Treatment systems
6. TALT is working with RLC on a CIA for the Rotorua Stormwater Catchment comprehensive consent.



7. TALT is working on the Implementation of Te Papa Ahurewa - an Environment Unit to support hapū and Iwi engage in consents, policy and planning matters including the NPSFM.
8. TALT, via the NICF and Freshwater Iwi Leaders Group is involved in co-design of the RMA reforms.

Te Arawa Lakes Trust - Te Arawatanga

Te Arawa Climate Change Working Group

9. Te Urunga o Kea met with the Climate Commission and made a submission to on the Advice Report which will form the basis of the advice to Government.
10. The key points were to ensure the advice includes recommendations to support Tiriti based decision making processes in the implementation of the advice and the development of the policy that will implement that advice is co-developed and delivered with the Te Tiriti partner.
11. The Working group is currently working on an advice paper to Government highlighting the key points across the submissions made by hapū and Iwi.
12. Te Urunga o Kea are working with BOPRC to pilot an adaptation approach based on Te Ao Māori for future planning decisions.

Mauri Tu Mauri Ora - Jobs for Nature

13. Te Arawa Lakes Trust secured \$2.5m to restore wetlands supporting the employment of up to 30 people over the next 2 years. To date TALT has employed 18 individuals in various roles with 13 of these working directly in wetlands and waterways from Maketu through to our Lakes environment.
14. A MSD/Doc funded training programme to develop capacity and capability in this area has begun with 9 weeks remaining.

Te Arawa Lakes Trust - Engagement

Catfish Volunteer Programme

15. The Catfish Killas continue to operate on Lakes Rotoiti and Rotorua with 29 schools registered and around 100 volunteers participating in the programme.

Biosecurity

16. TALT and BOPRC trained 17 individuals from across Rotorua as Biosecurity officers and this team have been rostered at Boat Ramps across the Lakes since October 2020, through until April 2021. Their role was to ensure Check, Clean Dry processes are followed and to educate the public about the threats to our Lakes and the new self-certification process implemented under the Pest Management Plan.
17. To date a total of 1191 boat ramp inspections were undertaken by TALT with only 14 failing, this is a compliance rate of 98.8%. A total of 1068 inspections have been undertaken by TALT staff since the new rule came in, with 246 certifying and 822 not certifying. This is a compliance rate of 23% overall with a small trend of increasing compliance rates.

Environmental & Infrastructure Solutions

DEED PROGRAMMES
RRSS SCHEME



Strategic outcome GOA

TARGETED LAKES WATER QUALITY
IMPROVEMENTS AND COMMUNITY HEALTH

2005 to 2021

2,400 reticulated
1,500 in line capacity

INDICATIVE METRICS

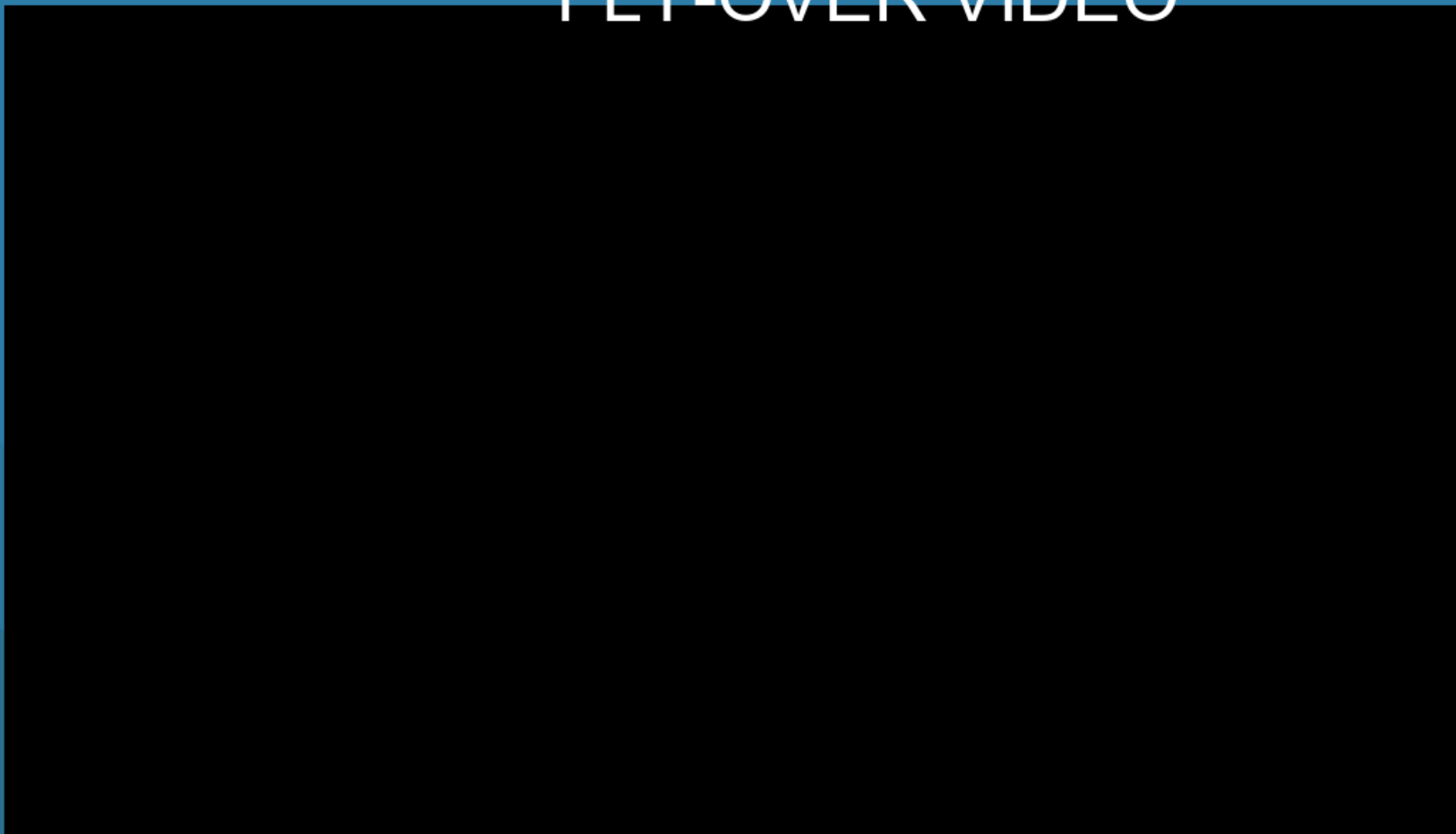
RETICULATIONS ISOLATED HARMFUL EFFECTS OF WASTEWATER FROM THE LAKES AND PROTECTS SUSTAINABLY COMMUNITY HEALTH

- ROTORUA ✓
- OKAREKA ✓
- WEST ROTOITI ✓
- EAST ROTOITI 75%

RLC AGREED PROGRAMME COMPLETED WITH EAST ROTOITI AS PER 2005 DEED PROGRAMME

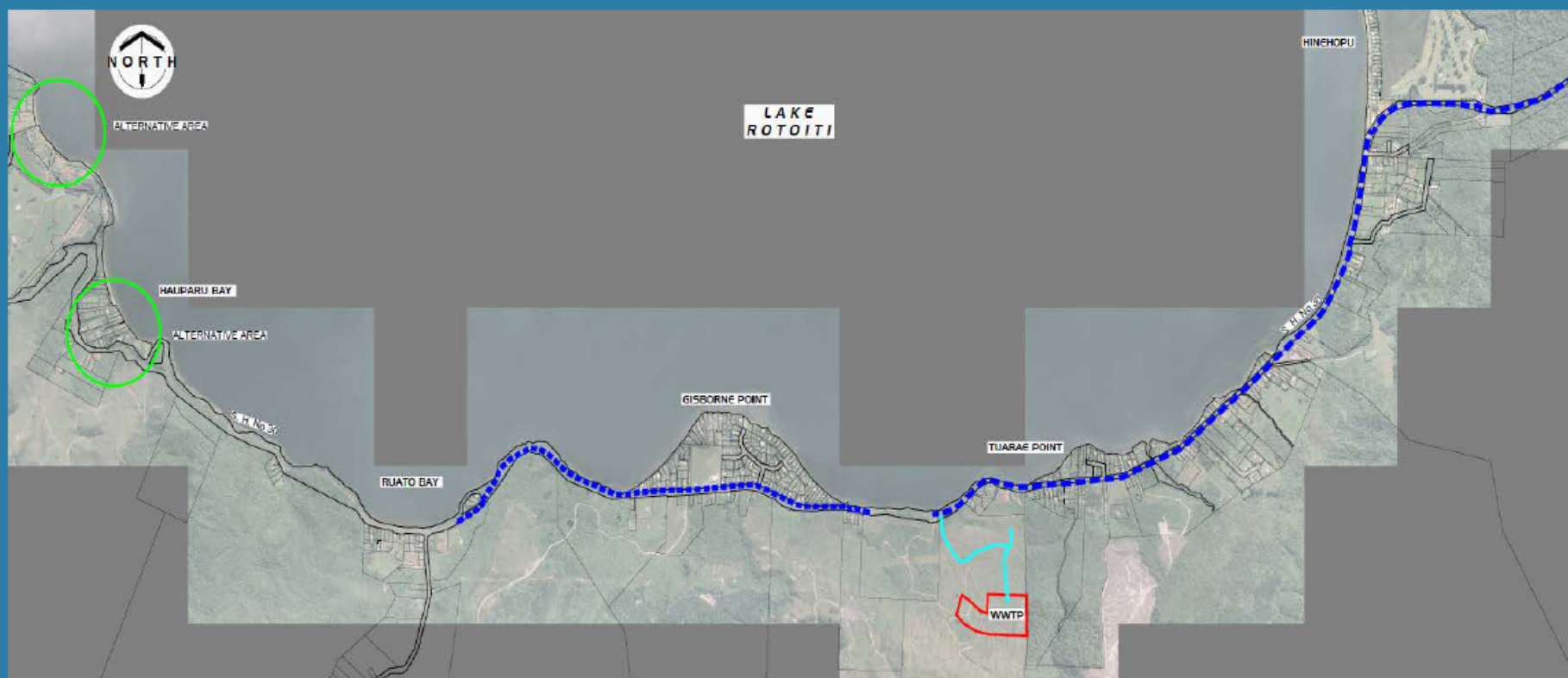
- ❑ INDIVIDUAL SCHEME COST VARIANCES (Local Issues)
- ❑ AVERAGE COSTS of RETICULATION \$28k p/p
- ❑ OSET COSTS \$28K +++ On going care/compliance costs/performance uncertainty/enforcement costs

EAST ROTOTITI SCHEME FLY-OVER VIDEO



Item 9.1, Presentation 1 RLC Presentation to RTAL

SCHEMATICs



RRSS H9B3B WWTP



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HIGH LEVEL COSTS

Scheme	Gross Actual Costs	Deed Funding allocated	Properties Connected rounded	Future Capacity In Lines
Rotorua, Okareka, West Rotoiti/Okere/East rotoiti	\$85 m	\$32.5 m (38%)	2400	1500
TOTAL				

Note: East Rotoiti is the only scheme with an in-catchment treatment plant. All other schemes are reliant on the Rotorua central WWTP with capital investment to upgrade planned in the next LTP. Gross actual costs have been unadjusted to inflation, proximity to mains or contribution to the capital replacement costs of the main WWTP.

We request that the Deed Funding is adjusted to \$21.5 m i.e. additional \$10.0m
If the Deed funds do not adjust as requested the ratio of local funds to the Deed funds will look as below

Funding split without Deed adjustment	\$31.5m	\$11.5m
Ratio	73%	\$27%
With adjusted Deed funding the contributions will be		
	Local share \$21.5 m	Deed funds \$21.5m
Ratio	50%	50%



Rotorua Te Arawa Lakes Programme

Change Management Request

Please attach any papers required to support this Change Request.

Change Title	Lake Rotoehu Weed Harvesting Additional Funding – 2020/21		
Project Name	Lake Rotoehu Weed Harvesting		
Change Request No	Change Requested By	Required by Date (Please indicate if change request is Urgent)	Date Requested
CR069	Helen Creagh		11 May 2021
Requested Change			
<p>Increase Deed Funding allocation in 2020-2021 Annual Work Programme for weed harvesting on Lake Rotoehu from \$59,000 (\$27,000 Crown Funding) to \$200,000 (\$100,000 Crown Funding).</p> <p>The increase in funding to this intervention for this financial year is covered by underspends in the phosphorous locking interventions on Lake Rotoehu and Lake Rotorua so there is no overall increase in expenditure.</p>			
Reason for Change			
<p>After a hiatus of 6 years, we have had enough weed growth on Lake Rotoehu to run the weed harvester. The harvester has been working over the last few weeks to remove all of the available hornwort which is then loaded onto trucks and transported to a composting operation near Taupō.</p> <p>Algae and high lake levels have hindered weed growth and prevented harvesting in recent years but changed conditions this year have meant prolific growth. Because of the conditions in recent years this activity was conservatively budgeted in the Annual Work Programme.</p> <p>Rather than stop removing the weed to align to the allocated budget, staff have kept the harvester going to gather all of the available weed before it dies back. This has exceeded the budget in the 2020-21 Work Programme approved by Strategy Group but that exceedance is covered by underspends in phosphorous locking on this lake and on Lake Rotorua so there is no effect on the overall budget.</p> <p>The community are extremely supportive of this initiative, stopping by the operators bring food and drinks!</p>			
Proposed Resolution			
<p>Approve additional \$141,000 spend on Lake Rotoehu weed harvesting project for the 2020-2021 financial year, noting the additional spend on this intervention is covered by underspends on phosphorous locking within the Te Arawa Lakes Programme.</p>			
Project Plan Area	Impact of Proposed Changes <i>Note: If possible please provide details of impact in terms of days and dollars</i>		



Rotorua Te Arawa Lakes Programme

Impact	Impact on Scope	Nil			
	Impact on Risk	Nil			
	Impact on Schedule (<i>Describe impacted Milestones</i>)	Milestone	Scheduled Date	New Date	Impact in Days
		Nil			
	Impact on Resources (e.g. Staff, Technology, Physical)	Nil			
	Impact on Cost	Nil			
	Impact on Dependencies	Nil			
	Impact on Benefits	Increased weed harvest – up to 2 tonne.			
	Other Impacts	Nil			
Decision and Delegated Authority Verified:			Verify Date:		
Approval to Proceed <i>Pending – Review Date Declined / Approved</i>		Programme Manager / Date		Project Sponsor / Date	
		Helen Creagh		Chris Ingle	

Notes:

Do not take any action until the Change Request has been approved
Add to Change Control Register
Retain the approved form with Project Documentation

Programme Reports

Status Update (Change Requests), Three Year Plan, Annual Work Programme (2021/22)



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Recommendations

- 1 Receives the report, Rotorua Te Arawa Lakes Programme Update; 2021/22 Annual Work Plan and 2021-2024 Three Year Plan.
- 2 Approves the Rotorua Te Arawa Lakes Programme 2021/22 Annual Work Plan and 2021-2024 Three Year Plan for submission to the Minister for the Environment.
- 3 Approves change request CR068 Lake Ōkāreka Land Use Change Funding and CR069 Lake Rotoehu Weed Harvesting Additional Funding.



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Status Report

Programme Administration:

- IQANZ Audit recently completed. Workshop at August meeting.
- Change requests to 2020/21 Annual Work Programme:
 - Funding for Okareka land use change (omitted in error)
 - Funding for additional weed harvesting on Lake Rotoehu.
- Requests made to Minister as per resolutions of 12 February meeting – see Appendix 5.
- Toihurewa Waimaori (Lake and Freshwater Chair) to be advertised



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Lake Rotoehu Update

Compliance audit of all benchmarks and agreements completed at Lake Rotoehu with full compliance:

- Pastoral area reduced from 1790ha to 1175 ha
- Native bush increased from 1152 ha to 1390 ha
- Plantation trees increased from 737ha to 1123 ha
- Phosphorous loss reduced from 4,577 kg to 2,474kg
- Nitrogen loss reduced from 59,015kg to 44,327kg



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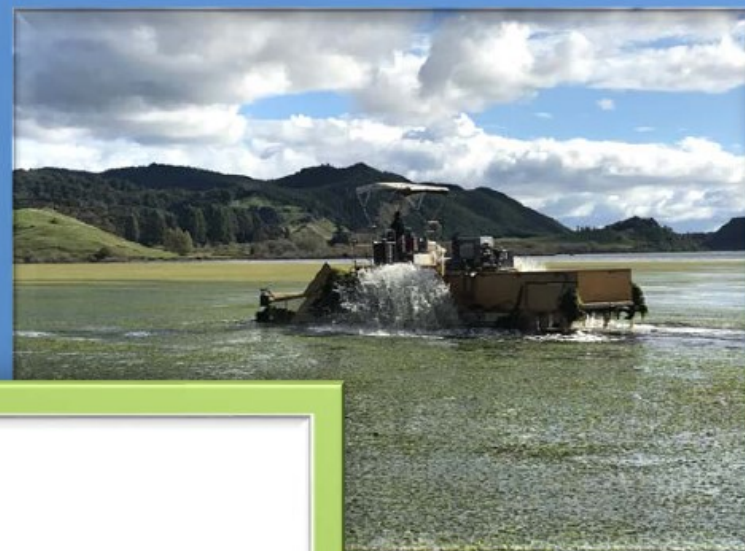
Lake Rotoehu Update

- 2 tonnes of weed harvest at Lake Rotoehu
- Funding request made to Minister for sewerage reticulation.
- Alum dosing re-instigated, new consent being pursued.



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Lake Rotorua Update

- Environment Court issued final wording on PC10 – 12 April.
- Advice and Support – engagement well underway with 10-40ha.
- 3 more sewerage connections made at Rotokawa/Brunswick
- Incentives Pipeline remains strong.
- Syrinx report has identified priority sites for constructed wetlands, consultation with landowners underway.
- Koura monitoring indicating koura population impacted in lakes where Catfish present.



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He Uru Mānuka Tatau Hinu

Mānuka oil demonstration crop

Ka pokapoka, ka penapena i ngā pihi
mānuka o te ngakinga nei hei tatau hinu
mānuka. He hinonga hou hei ahua
whenua i te hāpua rerenga
wai o Rotorua.

*He mahi ngātahi na Mangōrewa Kaharoa
Z Rotorua Te Arawa Lakes Programme.*

The mānuka seedlings in this
paddock have been planted and
managed to produce mānuka oil,
a new landuse being explored in the
Lake Rotorua catchment.

*A collaborative project between Mangōrewa Kaharoa
Z Trust and Rotorua Te Arawa Lakes Programme.*

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Tarawera Catchments

- Okareka pipeline upgrade to be completed in the next month.
- Acacia control planned to start in June at Tarawera.
- Funding sought to support Tarawera Collective Impact Project (TALT)
- Landowner support sought for Tarawera community reticulation (RLC)



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Three Year Plan

- Requirement of Deed of Funding
- Funding beyond 2022 only for Incentives and constructed wetlands in the Lake Rotorua Catchment.



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Annual Work Plan 2021/22

- Final year of Deed funding for most projects.
- Alum dosing and weed harvesting continue to be funded by Regional Council in Long Term Plan.
- Seeing out commitments in terms of Advice and Support for PC10 and Low Nitrogen Land Use Fund.
- Uncertainties remain around funding for remaining Rotoiti reticulation.



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