

Field Sciences**Review of *Ecological Management* unit standards**

Subfield	Domain	Id
Environment	Ecological Management	14732, 14735, 19676-19712

Learning State Limited has completed the review of the unit standards listed above.

Date new versions published

June 2011

Planned review date

December 2015

Summary of review and consultation process

Learning State, in consultation with the Department of Conservation (DOC), has reviewed the unit standards in the Ecological Management domain. During consultation it was agreed that most of the unit standards would be designated expiring as they were no longer relevant or fit for purpose. Three unit standards were still considered to be relevant to the industry and were reviewed to ensure they met current DOC practices, policies and methodologies.

Main changes resulting from the review

- Standards 14735, 19676- 19701, 19703 -19712 in the *Ecological Management* domain were designated expiring as they were no longer required by industry.
- Standards 19691 and 19702 were replaced by standards 27189 and 27190 respectively in the *Conservation* domain.
- Standard 14732 was reclassified from the *Ecological Management* domain to the *Conservation* domain.
- In standard 14732 – ‘ecological management’ was changed to ‘conservation management’ to be consistent with the other reviewed unit standards and to better fit with the work that DOC undertakes, and the title was changed to better reflect the content of the unit standard.
- Legislation, government guidelines, and industry codes of practice were updated.
- The definitions in the Explanatory Notes were updated and standardised for consistency.
- Outcomes, evidence requirements, and range statements were deleted, added or rewritten to reflect current practice, and/or to update methodologies, and processes undertaken by the industry.

Unit standards categorised as category C or D expire at the end of December 2011.

Impact on existing organisations with consent to assess

Current Consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	ID	Level
Domain	Ecological Management	4	Standard	14732	4

Review Categories and changes to classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Sciences > Environment

Id	Domain	Title	Level	Credit	Review Category
14732	Ecological Management Conservation	Establish a philosophical basis for ecological management decisions Establish a philosophical basis for conservation management decisions	4	4	B
19691	Ecological Management	Describe the taxonomy, biology, ecology and conservation status of indigenous plants	5	15	C
27189	Conservation	Demonstrate knowledge of and identify plants for conservation management purposes	4	7	
19702	Ecological Management	Plan control or eradication of a pest animal population	5	15	C
27190	Conservation	Plan for an animal pest management operation to meet conservation outcomes	4	15	

Sciences > Environment > Ecological Management

Id	Title	Level	Credit	Review Category
14735	Interpret ecological processes and indigenous biota for management purposes	5	15	D
19676	Evaluate and report on an invasive weed management operation	5	10	D
19677	Plan control or eradication of invasive weeds	5	10	D
19678	Develop and implement basic inventory or monitoring procedures for invasive weed control	5	10	D
19679	Conduct an operation to control invasive weeds with biological methods	5	5	D
19680	Conduct an operation to control invasive weeds with physical methods	5	10	D
19681	Conduct an operation to control invasive weeds with chemicals	5	10	D
19682	Select the methods for invasive weed control	5	10	D
19683	Describe the taxonomy, biology, and ecology of invasive weeds	5	10	D
19684	Evaluate and report on a plant conservation operation	5	10	D

Id	Title	Level	Credit	Review Category
19685	Plan recovery and maintenance of an indigenous plant species population	5	10	D
19686	Develop and implement basic inventory or monitoring procedures for a plant conservation operation	5	10	D
19687	Conduct an operation to translocate indigenous plants	5	10	D
19688	Collect plant autecology information	5	10	D
19689	Assess threats impacting on survival of plant species populations and determine management approach	5	4	D
19690	Select the methods for plant conservation management	5	15	D
19692	Complete an Assessment of Environmental Effects (AEE) for a pest animal control operation	6	5	D
19693	Develop and implement basic inventory or monitoring procedures for a pest animal control operation	5	10	D
19694	Conduct an operation to control pest animals with barriers	5	10	D
19695	Conduct an operation to control pest animals with firearms	5	10	D
19696	Conduct an operation to control pest animals with traps	5	10	D
19697	Conduct an aerial toxin operation to control pest animals	6	10	D
19698	Conduct a ground based toxin operation to control pest animals	5	10	D
19699	Evaluate and report on a pest animal control operation	5	10	D
19700	Capture, handle, mark and measure indigenous animals	5	15	D
19701	Select the methods for pest animal control	5	15	D
19703	Develop and implement an advanced inventory or monitoring programme	6	10	D
19704	Describe and select the design process for ecological management inventory and monitoring programmes	6	5	D
19705	Evaluate and report on an animal conservation operation	5	10	D
19706	Select the methods for animal conservation management	5	15	D
19707	Plan recovery and maintenance of an indigenous animal species population	5	10	D
19708	Develop and implement basic inventory or monitoring programmes for an animal conservation operation	5	10	D
19709	Conduct an operation to manage an indigenous vertebrate animal species in captivity	6	10	D

Id	Title	Level	Credit	Review Category
19710	Conduct an operation to translocate indigenous animals	6	10	D
19711	Collect autecology information on an indigenous animal	5	10	D
19712	Determine the management of threats impacting on survival of animal species populations	5	4	D