**FORESTRY EARTHWORKS.**

**UNIT STANDARDS for proposed L3 Qual Options**

**CONTENTS. Draft #2.2**

This document contains unit standards for two Level 3 options, proposed for New Zealand Certificates.

**Proposed Introductory Qualification. (40 credits) Prerequisite ???**

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| **Unit Standard number** | **Name** | **Credits** |
| 20474 | DKO forest earthworks job prescriptions | 5 |
| 20475 | DKO forestry earthworks | 5 |
| 17769 | Dko general health and safety and environmental requirements | 5 |
| 31942 | Dko the impact of erosion and sedimentation on an infrastructure worksite | 5 |
| 17310 or | Operate a hydraulic excavator on infrastructure worksites **or** | 20 |
| Any other machine, op, unit | e.g 17309, 17314, 17315, 17316, 17317 Operate; wheel loader, motor scraper, bulldozer, artic dump truck. | 20 |

**Proposed forestry earthworks Task- Based Qualification. (75 credits)**

|  |  |  |
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| **Unit Standard number** | **Compulsory units; 66 credits** | **Credits** |
| 31445 | Dko compaction for infrastructure works | 6 |
| 20476 | Construct forestry roads, tracks and landings | 20 |
| 30919 | Construct culverts and structures for a forestry earthworks site | 20 |
| 33308 | Carry out maintenance activities for forestry infrastructure  | 10 |
| 33309 | Carry out rehabilitation and decommissioning of forestry tracks | 10 |
|  | **Elective units: select 9 or more credits**  |  |
| 33306 | Construct forestry river crossings | 20 |
| 33307 | Carry out preparation and apply pavement for a forestry road | 15 |
| 33310 | Install a forestry deadman | 5 |
| 33311 | Install geotextiles in forestry infrastructure | 4 |
| 17309 | Operate a wheeled loader on infrastructure worksites | 20 |
| 17310 | Operate a hydraulic excavator on infrastructure worksites | 20 |
| 17314 | Operate a motor scraper on infrastructure worksites | 20 |
| 17315 | Operate a self-propelled roller on infrastructure worksites | 20 |
| 17316 | Operate a bulldozer on infrastructure worksites | 20 |
| 17317 | Operate an articulated dump truck on infrastructure worksites | 20 |

Notes:

1. Four of the above units are available in two micro-credentials, they are;
* 20476 combined with 30919 and
* 33308 combined with 33309
1. All of the above units are available as single-unit micro-credentials.
2. The forestry ‘General Requirements’ units 17769, 17772, 22994 form their own micro credential and are not included above.
3. An option may be to exclude the ‘operate machine’ units from the Qual to reduce credits and duration. (View these units as implicit or ‘co-requisites’)