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Resources Management & Science

Weed-Free Gravel Program

PROGRAM OVERVIEW

MISSION: The primary goal of this program is to prevent the introduction of weed seeds into the park via imported mineral materials. Secondary goals include: creating a straight-forward method for managing weeds in gravel pits; providing assistance to gravel pit operators to develop and update their weed management plans; creating a steady source of weed-free mineral material for regional land managers; and providing incentive and recognition to gravel pit operators that implement good weed management practices.

APPROACH: While ultimately this project is a preventative measure to keep invasive plants out of the park, the program is conducted as an outreach service to gravel pits. The aim is to work collaboratively with gravel pit operators, providing the botanical skills and access to resources necessary for efficient and effective weed control. Successful participation in this program by gravel pits allows the sale of mineral material to Yosemite National Park and provides a marketable certificate that can increase the value of mineral materials. Similar programs are in place in the Lake Tahoe basin, Glacier National Park, and the greater Yellowstone area.

METHOD: This program has two primary components. First, each mineral material site will create a weed management plan following a Yosemite-provided template and developed with assistance from a park botanist. The weed management plan has a set of general conditions that are common to all sites and a set of specific conditions that are tailored to the individual site and the weeds encountered. An initial site assessment is conducted in conjunction with a Yosemite botanist to provide the information necessary to develop the specific conditions for certification.

The second component of this program consists of semi-annual inspections by a Yosemite botanist to verify that the plan is implemented and to monitor for new weed populations. These regular inspections ensure that botanists visit the sites when weed species are identifiable and eliminate the need for project by project inspections. During each site visit the weed management plan is reviewed jointly before and after inspection. Following the inspection the specific conditions for certification are expected to be updated in response to changing weed populations. A rating is assigned to the pit based on their implementation of the weed management plan. The ratings are as follows:

Passing:

<u>Full compliance</u>: The inspector is confident that mineral material from this site is free of listed weeds.

<u>Conditional</u>: The inspector cannot confidently state that all mineral material from this site is weed free. Certain restrictions are specified as to where on site mineral material may be supplied from and mitigation measures may be required.

Failing:

<u>Unacceptable</u>: The inspector believes that mineral material from this site poses the threat of spreading listed weeds.

Gravel pits receiving a passing rating will receive a weed-free certification valid until the next semiannual inspection. Certified gravel pits are approved to sell mineral material to Yosemite National Park and other participating agencies. Yosemite project management regularly receives a list with the status of local gravel pits, expediting purchases and ensuring that only weed-free mineral material enters the park, even during emergency situations.

Further details are found in the following program documents:

- 1. Weed management plan template
- 2. Inspection protocols
- 3. List of weeds requiring control
- 4. List of weed control resources
- 5. Inspection form
- 6. Inspection certificate
- 7. Gravel pit information and inspection history form
- 8. Acronyms and definitions.

This program is in full compliance with the national standards for weed-free gravel as developed by the North American Weed Management Association (NAWMA). Additionally, the program conforms to the California state mandate to control all A-listed noxious weeds as defined by the California Department of Food and Agriculture (CDFA).

Participating Agencies:
Stanislaus National Forest
Sierra/San Joaquin National Forest
Sequoia National Forest
Sequoia/Kings Canyon National Park
Mother Lode Field Office of the Bureau of Land Management

Program Manager:
Martin Hutten
Botanist
Vegetation and Ecological Restoration
Division of Resources Management and Science
Yosemite National Park
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Weed-Free Gravel Program

WEED MANAGEMENT PLAN

Company	Name
Site Na	ame
Checklist of required documents:	
 □ This weed management plan, signed be □ A current copy of the listed weeds from □ A current map of the certification site is □ Records of past inspections □ Records of weed treatments 	Yosemite National Park
Authorized representative:	Title:
Authorized representative signature:	Phone:
Designated contact employee or contracted profe	ssional:
Phone:	Date:

General Conditions for Certification:

Mineral Material:

- 1. Mineral materials are maintained free of listed weeds¹ from the time of extraction until the time of delivery.
- 2. Mineral material exposed to actively flowing surface water (streams and rivers) cannot be certified as weed-free
- 3. Piled mineral material growing listed weeds cannot be certified as weed-free.

Weeds:

- 4. Tier 1 listed weeds are not allowed to set seed where likely to contaminate the extraction pit, processing facilities, storage sites, or on-site roads (collectively referred to as the "active area"). Tier 2 listed weeds are not allowed to grow on or immediately adjacent to material for sale
- 5. Listed weeds are promptly and aggressively controlled. Control is continual and ongoing
- 6. Reproductive plant parts are disposed of by on-site burning away from the active area. If burning is not feasible, reproductive plant parts must be bagged and taken to a municipal waste facility
- 7. Herbicide use is in strict accordance with the label and with consultation from a UC cooperative extension, county agricultural commissioner, or licensed pest control advisor

Surrounding Area:

- 8. The active area and periphery is regularly inspected to monitor identified weed populations
- When listed weeds are present on adjacent property and threaten to contaminate mineral material: berms, tall vegetation, mesh fences or other mechanical barriers are established to impede the movement of seed
- 10. To prevent the establishment of weeds: dense native vegetation is established whenever possible to cover berms, roadsides and other open land within the active area

¹ "Listed Weeds" are defined by Yosemite National Park and documentation is provided to gravel pit operators

Specific Conditions for Certification:

An initial inspection is performed in conjunction with a Yosemite National Park botanist to establish a priority weed list and develop the following specific conditions for certification. These conditions are reviewed before and after each inspection. Updates are made as necessary to respond to current weed infestations and maintain mineral material in a weed-free state.

Listed Weed Species Encountered:	Date
The following treatments are required to prevent the spread of listed	weeds:
Access roads:	
Active pit area:	
Active pit area:	
Perimeter of property:	
Vehicle parking & wash areas:	
Stock Pilos	
Stock Piles:	
Additional areas:	

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Weed-Free Gravel Program INSPECTION PROTOCOLS

All inspections shall occur while weed species are present and identifiable, generally between May and September. An appropriate date and time will be set when the mineral material supplier (MMS) representative will be available and all areas of the site can be safely inspected.

Initial Assessment:

The first step in the certification process is the creation of a site specific weed management plan. An initial site assessment must be conducted in conjunction with a Yosemite botanist to inform the creation of this plan.

Yosemite (YOSE) will provide:

- a list of weeds requiring control
- a qualified, knowledgeable botanist
- a weed management plan template.

The mineral material supplier (MMS) will:

- provide a large format map of the site (11x17 or larger)
- designate a staff member or contractor to be the contact for this program
- complete a basic information form.

In conjunction YOSE and MMS will:

- identify and map listed weed species on site
- develop a list of specific conditions for certification
- discuss methods to achieve these conditions
- complete and sign a weed management plan.

Copies of the weed management plan and site weed map will be maintained by both YOSE and MMS and must be on hand during subsequent inspections.

Certification Inspection:

Once conditions identified within the weed management plan have been reached, a certification inspection will be conducted by a Yosemite botanist to verify that the plan has been implemented and to monitor for new weed populations. Continued certification will require an early season and late season inspection each year. Following each inspection the "specific conditions for certification" are expected to be updated in response to changing weed populations.

 The YOSE inspector will review the weed management plan and current weed map with the MMS representative

Certification Inspection Continued:

- The inspector will examine the entire site for listed weeds including the extraction area, processing machinery, all on-site roads, storage areas and fence lines
- All listed weed populations will be recorded on map
- The inspectors will certify that:
 - the specific and general conditions for certification in the weed management plan have been met
 - all saleable mineral material is free of listed weeds
 - no first tier listed weeds have set seed where contamination of the active area is likely.
- The findings of the inspection will be discussed with the MMS representative and a rating will be assigned to the MMS site.
- The weed management plan and site weed map will be reviewed and updated with the MMS representative to respond to current weed populations
- An official inspection form and a certificate of inspection will be completed and provided to the MMS. These documents must be maintained by both the MMS and YOSE

Mineral Material Site Ratings:

A rating will be assigned to the pit based on their implementation of the weed management plan. Gravel pits receiving a passing rating are approved to sell mineral materials to Yosemite. The ratings are as follows:

Passing:

<u>Full compliance</u>: The inspector is confident that mineral material from this site is free of listed weeds

<u>Conditional</u>: The inspector cannot confidently state that all mineral material from this site is weed free. Certain restrictions will be specified as to where on site mineral material may be supplied from and mitigation measures may be specified

Failing:

<u>Unacceptable</u>: The inspector believes that mineral material from this site poses the threat of spreading listed weeds



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LISTED WEEDS

The following plants are **first tier** listed weeds and require control to receive weed-free certification. These plants are not allowed to grow in the active areas of gravel pits or set seed where likely to contaminate mineral material. These plants are California Department of Food and Agriculture A-rated noxious weeds, North American Weed Management Association designated noxious weeds, or deemed a threat to Yosemite National Park.

Scientific Name	Family	Common Name
Alternanthera philoxeroides	Amaranthaceae	Alligatorweed
Conium maculatum	Apiaceae	Poison hemlock
Foeniculum vulgare	Apiaceae	Sweet fennel
Ambrosia tomentosa	Asteraceae	Skeletonleaf bursage
Arctium minus	Asteraceae	Common burdock
Arctotheca calendula	Asteraceae	Capeweed
Artemisia absinthium	Asteraceae	Absinth wormwood
Acroptilon repens	Asteraceae	Russian knapweed
Carduus acanthoides	Asteraceae	Plumeless thistle
Carduus nutans	Asteraceae	Musk thistle
Carduus pycnocephalus	Asteraceae	Italian thistle
Carduus tenuiflorus	Asteraceae	Slenderflower thistle
Cathamus leucocaulos	Asteraceae	Whitestem distaff thistle
Centaurea calcitrapa	Asteraceae	Purple starthistle
Centaurea cyanus	Asteraceae	Bachelor's button
Centaurea diffusa	Asteraceae	Diffuse knapweed
Centaurea iberica	Asteraceae	Iberian starthistle
Centaurea maculosa	Asteraceae	Spotted knapweed
Centaurea melitensis	Asteraceae	Tocolote
Centaurea pratensis	Asteraceae	Meadow knapweed
Centaurea repens	Asteraceae	Russian knapweed
Centaurea solstitialis	Asteraceae	Yellow star thistle
Centaurea triumfettii (virgata, squarrosa)	Asteraceae	Squarose knapweed
Chondrilla juncea	Asteraceae	Rush skeletonweed
Cirsium arvense	Asteraceae	Canada thistle
Cirsium ochrocentrum	Asteraceae	Yellowspine thistle
Cirsium undulatum	Asteraceae	Wavyleaf thistle
Crupina vulgaris	Asteraceae	Bearded creeper
Dittrichia graveolens	Asteraceae	Stinkwort
Hieracium aurantiacum	Asteraceae	Orange hawkweed
Hieracium pratense	Asteraceae	Yellow hawkweed
Helianthus ciliaris	Asteraceae	Blueweed
Leucanthemum vulgare	Asteraceae	Oxeye daisy
Onopordum acanthium	Asteraceae	Scotch thistle
Onopordum illyricum	Asteraceae	Illyrian thistle
Onopordum tauricum	Asteraceae	Taurian thistle

Scolymus hispanicus	Asteraceae	Golden thistle
Senecio jacobaea	Asteraceae	Tansy ragwort
Silybum marianum	Asteraceae	Blessed milkthistle
Tagetes minuta	Asteraceae	Wild marigold
Tanacetum vulgare	Asteraceae	Common tansy
Tripleurospermum perforatum	Asteraceae	Scentless chamomile
Cynoglossum officinale		Houndstongue
Cardaria chalapensis	Boraginaceae Brassicaceae	<u> </u>
Cardaria draba	Brassicaceae	Lens-podded hoarycress Heart-podded hoarycress
		Globe-podded hoarycress
Cardaria pubescens Hirschfeldia incana	Brassicaceae	
Isatis tinctoria	Brassicaceae	Shortpod mustard
	Brassicaceae	Dyer's woad
Lepidium latifolium	Brassicaceae	Perennial pepperweed
Saponaria officinalis	Brassicaceae	Bouncingbet
Cannabis sativa	Cannabaceae	Hemp
Halogeton glomeratus	Chenopodiaceae	Saltlover
Salsola vermiculata	Chenopodiaceae	Wormleaf saltwort
Convolvulus arvensis	Convolvulaceae	Field bindweed
Cucumis myriocarpus	Cucurbitaceae	Dudaim melon
Cuscuta japonica	Cuscutaceae	Japanese dodder
Cuscuta reflexa	Cuscutaceae	Giant dodder
Dipsacus fullonum	Dipsacaceae	Common teasel
Dipsacus sativus	Dipsacaceae	Indian teasel
Elaeagnus angustifolia	Elaeagnaceae	Russian olive
Euphorbia dentate	Euphorbiaceae	Toothed spurge
Euphorbia esula	Euphorbiaceae	Leafy spurge
Euphorbia oblongata	Euphorbiaceae	Oblong spurge
Euphorbia serrata	Euphorbiaceae	Serrate spurge
Sesbania punicea	Euphorbiaceae	Rattlebox
Alhagi maurorum	Fabaceae	Camelthorn
Cytisus scoparius	Fabaceae	Scotchbroom
Genista monspessulana	Fabaceae	French broom
Halimodendron halodendron	Fabaceae	Russian salt tree
Lathyrus latifolius	Fabaceae	Perennial sweet pea
Lespedeza cuneata	Fabaceae	Sericea lespedeza
Prosopis strombulifera	Fabaceae	Creeping mequite
Robinia pseudoacacia	Fabaceae	Black locust
Spartium junceum	Fabaceae	Spanish broom
Sphaerophysa salsula	Fabaceae	Austrian peaweed
Vicia benghalensis	Fabaceae	Purple vetch
Vicia villosa	Fabaceae	Winter vetch
Hydrilla verticillata	Hydrocharitaceae	Hydrilla
Hydrocharis morsus-ranae	Hydrocharitaceae	Frogbit
Hypericum perforatum	Hypericaceae	Klamath weed
Salvia aethiopis	Lamiaceae	African sage
Salvia virgata	Lamiaceae	Southern meadow sage
Lythrum salicaria	Lythraceae	Purple loosestrife
Orobanche cooperi	Orobanceae	Cooper's broomrape
Orobanche ramose	Orobanceae	Branched broomrape
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Achnatherum brachychaetum	Poaceae	Punagrass
Aegilops cylindrica	Poaceae	Jointed goatgrass
Aegilops triuncialis	Poaceae	Barbed goatgrass
Agropyron repens	Poaceae	Quackgrass
Anthoxanthum odoratum	Poaceae	Sweet vernalgrass
Arundo donax	Poaceae	Giant reed
Bromus inermis ssp. inermis	Poaceae	Smooth brome
Bromus tectorum	Poaceae	Cheatgrass
Cortaderia selloana	Poaceae	Pampas grass
	Poaceae	Bermuda grass
Cynodon dactylon		Orchard grass
Dactylis glomerata Ehrharta erecta	Poaceae	Panic veldtgrass
	Poaceae	9
Festuca arundinacea	Poaceae	Tall fescue
Heteropogon contortus	Poaceae	Tanglehead
Holcus lanatus	Poaceae	Common velvet grass
Milium vernal	Poaceae	Milium
Nardus stricta	Poaceae	Matgrass
Panicum miliaceum	Poaceae	Wild proso millet
Pennisetum clandestinum	Poaceae	Kikuyu grass
Phalaris arundinacea	Poaceae	Reed canary grass
Sorghum almum	Poaceae	Perennial sorghum
Sorghum halepense	Poaceae	Johnson grass
Taeniatherum caput-medusae	Poaceae	Medusa-head
Acaena novae-zealandiae	Rosaceae	Biddy biddy
Potentila recta	Rosaceae	Sulfur cinquefoil
Rubus discolor	Rosaceae	Himalayan blackberry
Rubus laciniatus	Rosaceae	Cutleaf blackberry
Digitalis purpurea	Scrophulariaceae	Foxglove
Linaria dalmatica	Scrophulariaceae	Dalmatian toadflax
Linaria vulgaris	Scrophulariaceae	Yellow toadflax
Striga asiatica	Scrophulariaceae	Witchweed
Verbascum blattaria	Scrophulariaceae	Moth mullein
Verbascum thapsus	Scrophulariaceae	Common mullein
Ailanthus altissima	Simaroubaceae	Tree of heaven
Hyoscyamus niger	Solanaceae	Black henbane
Physalis longifolia	Solanaceae	Long-leaf groundcherry
Solanum cardiophyllum	Solanaceae	Heartleaf nightshade
Solanum carolinense	Solanaceae	Horsenettle
Solanum dimidiatum	Solanaceae	Torrey's nightshade
Solanum elaeagnifolium	Solanaceae	Silverleaf nightshade
Solanum rostratum	Solanaceae	Buffalobur
Tamarix parviflora	Tamaricaceae	Tamarisk
Tamarix ramosissima	Tamaricaceae	Tamarisk
Peganum harmala	Zygophyllaceae	Harmel
Tribulus terrestris	Zygophyllaceae	Puncture vine
Zygophyllum fabago	Zygophyllaceae	Syrian beancaper
	, , , , , , , , , , , , , , , , , , , ,	<u> </u>

The following plants are **second tier** listed weeds and are not allowed to grow on material for sale. While presence on the site is permissable control on and around stock piled material is required. These plants are California Department of Food and Agriculture A-rated noxious weeds, North American Weed Management Association designated noxious weeds, or deemed a threat to Yosemite National Park.

Scientific Name	Family	Common Name
Vinca major	Apocynaceae	Greater periwinkle
Hedera helix	Araliaceae	English ivy
Sonchus arvensis	Asteraceae	Perennial sowthistle
Brassica nigra	Brassicaceae	Black mustard
Brassica rapa	Brassicaceae	Field mustard
Sisymbrium irio	Brassicaceae	London rocket
Melilotus alba	Fabaceae	White sweetclover
Melilotus indica	Fabaceae	Sourclover
Melilotus officinalis	Fabaceae	Yellow sweetclover
Geranium dissectum	Geraniaceae	Cutleaf geranium
Geranium robertianum	Geraniaceae	Robert geranium
Avena fatua	Poaceae	Wild oats
Brachypodium sylvaticum	Poaceae	Slender false brome
Bromus diandrus	Poaceae	Ripgut brome
Bromus madritensis ssp. rubens	Poaceae	Foxtail chess
Nicotiana glauca	Solanaceae	Tree tobacco

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WEED CONTROL RESOURCES

County Agricultural Commissioner:

A public service to provide weed identification, advice on methods to control weeds and pesticide applicator permits

Alameda County: Dennis Bray (510) 670-5232 http://www.acgov.org/cda/awm/

Amador County: Michael Boitano (209)223-6487 http://www.co.amador.ca.us/index.aspx?page=160
Butte County: Richard Price (530) 538-7381 http://www.buttecounty.net/Agricultural%20Commissioner.aspx
Calaveras County: Mary Mutz (209) 754-6504 http://www.co.calaveras.ca.us/departments/agriculture.asp
Contra Costa County: Vincent Guise 925.646.5250 http://www.co.contra-costa.ca.us/index.aspx?nid=1542

El Dorado County: William J. Stephans (530) 621-5520 http://www.co.el-dorado.ca.us/ag/

Fresno County: Carol Hafner (559) 456-7510 http://www.co.fresno.ca.us/Departments.aspx?id=114

Invo and Mono Counties: George L. Milovich (760) 873-7860 http://www.invomonoagriculture.com/index.html

Madera County: Robert Rolan 559-675-7703 http://www.madera-county.com/agcommissioner/ Mariposa County: Cathi Boze (209)966-2075 http://www.mariposacounty.org/index.aspx?nid=63

Merced County: (209) 385-7431 http://www.co.merced.ca.us/index.aspx?nid=58

Placer County: Christine Turner 530-889-7372 http://www.placer.ca.gov/Departments/Agriculture.aspx

Sacramento County: Frank Carl (916) 875-6603 http://www.agcomm.saccounty.net/default.htm San Joaquin County: Scott Hudson (209) 953-6000 http://www.co.san-joaquin.ca.us/agcomm/

Stanislaus County: (209)525-4730 http://www.stanag.org/

Tulare County: Gary Kunkel (559) 684-3350 http://agcomm.co.tulare.ca.us/

Tuolumne County: 209-533-569 http://portal.co.tuolumne.ca.us/psp/ps/TUP_AG_AIR_POLL_WTS/ENTP/h/

Yolo County: Rick Landon (530) 666-8140 http://www.yolocounty.org/index.aspx?page=504

UC Cooperative Extension:

County offices can provide advice on weed control methods, literature on specific species and other expertise:

Amador County (209) 223-6482 http://ceamador.ucdavis.edu

Butte County (530) 538-7201 http://cebutte.ucdavis.edu

Calaveras County (209) 754-6477 http://cecalaveras.ucdavis.edu

El Dorado County (530) 621-5502 http://ceeldorado.ucdavis.edu

Fresno County (559) 456-7285 http://cefresno.ucdavis.edu

Inyo-Mono Counties (760) 873-7854 http://ceinyo-mono.ucdavis.edu

Madera County Neil MacDougald (559) 675-7879 http://cemadera.ucdavis.edu

Mariposa County (209) 966-2417 http://cemariposa.ucdavis.edu

Merced County (209) 385-7403 http://cemerced.ucdavis.edu

Placer-Nevada Counties (530) 889-7385 http://ceplacer.ucdavis.edu

Sacramento County (916) 875-6913 http://cesacramento.ucdavis.edu

San Joaquin County (209) 953-6100 http://cesanjoaquin.ucdavis.edu

Stanislaus County (209) 525-6800 http://cestanislaus.ucdavis.edu

Tulare County Steve Wright (559) 684-3300 http://cetulare.ucdavis.edu

Tuolumne County (209) 533-5695 http://cetuolumne.ucdavis.edu

Yolo County (530) 666-8143 http://ceyolo.ucdavis.edu

Web-based Resources:

California Department of Food and Agriculture:

Excellent page containing photographs of CDFA listed weeds with information pages including descriptions and treatment methods (note: use the alphabetical list in the side bar) http://www.cdfa.ca.gov/phpps/ipc/weedinfo/winfo photogal-frameset.htm

Cal-IPC:

Excellent description of many California weeds including detailed descriptions of various control methods http://www.cal-ipc.org/ip/management/ipcw/sciname.php

Center for Invasive Plant Management:

Website with an enormous amount of weed information. This page has a list of sites with weed photo galleries http://www.weedcenter.org/inv_plant_info/images.html

Invasipedia:

Wikipedia based resource with in-depth description of various herbicide treatments as well as natural history and other control methods listed by weed. http://wiki.bugwood.org/Invasipedia

North American Weed Management Association:

The organization developing national standards for weed work. The site is a powerful portal to many other organizations, companies, universities and government offices related to weeds. Also contains many information sites and educational opportunities http://www.nawma.org/Ed.html

The Nature Conservancy:

Weed Control Methods Handbook: An in-depth discussion of several commonly used herbicides as well as a description of various control methods generalized for all weeds http://www.invasive.org/gist/handbook.html

Image Archive: A very large collection of photos of invasive plants (note: listed by scientific name. Link is for plants A-C, follow links on page to D-Z weeds) http://www.invasive.org/gist/photosa-c.html

UC Davis:

Website that gives control options for many weed species: http://ucce.ucdavis.edu/specialsites/weed sept/

Weed photo gallery:

http://www.ipm.ucdavis.edu/PMG/weeds_intro.html

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INSPECTION FORM

Operator:				Date:		_
Site Name:						
Designated Weed Manage	er:					
			Inspecto	or Name:		
Phone:						
	Inspec	tion Findings				
Weed Species	Location	on Site	Approx. Area	Distance from Material	Мар	ped?
				•		
	Inspectio	n Summary				
	·	•	First Tie	er Weeds Ob	serve	d:
ſ	Free of listed weeds:	Yes No				
Specific requirements	for certification met:	Yes No				
Revis	sion of plan required:	Yes No				
	Mitigation required:	Yes No				
	Resurvey required:	Yes No				
Final Supplier Rating:					г	
Full Compliance	Coi	nditional		Unaccepta	able _	
Explanation:						
-						

	Inspection Findings (continued	d)			
Weed Species	Location on Site	Approx. Area	Distance from Material	Мар	ped?
Mitigation Required:			<u> </u>		
-					
-					
Additional Remarks:					

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CERTIFICATION OF INSPECTION

This certifies that the mineral material supplier described herein, has been inspected according to the certification standards of Yosemite National Park. The objective of the program is to help prevent and slow the spread of weeds by providing mineral material that is free of the potential for transport and dispersal of listed weed species.

Operator:		Phone No.:			
Address:		City:	State:	ZIP:	
Site Location:					
Material Type: Sand	Gravel Rock	Top soil	Other:		
Level of Certification					
A Full compliance: The inspe	ector is confident that m	ineral material from t	his site is free of listed	d weeds	
B Conditional: The inspector of Certain restrictions will be s					
Restrictions:					
C Unacceptable: The inspect	or believes that the mine	eral material poses th	ne threat of spreading	listed weeds	
Fundamentians					
Explanation:					
Additional Comments:					
REQUIREMENTS					
Mineral Materials shall be maintained f shall not be allowed to set seed where roads.					
Certification shall be based on a reaso	nable and prudent visua	al inspection.			
This facility was inspected on:	Date:/				
This certification is issued on: This certification terminates on:	Date:/_ Date: /	// /			
Cartified by:			filiation:		



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Weed-Free Gravel Program INFORMATION AND INSPECTION HISTORY

Site Name	Site Name CA permit #						
Operator			Phone				
Designated	Weed Manager				Phone	Phone	
Email					Fax		
					_		
	St				Zip	Zip	
UTM Coordina							
Material Type	: Sand	Gravel	Rock	Top Soil	Other:		
Directions to	Site:						
	INSPECTION HISTORY						
DATE	INSPECTOR		RATING	Plan revised?	Resurvey required?	Mitigation required?	

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Weed-Free Gravel Program ACRONYMS AND DEFINITIONS

- Active area Anywhere within a gravel pit where mineral materials are processed or stored including: extraction pits, crushing and sifting facilities, storage piles and on-site roads.
- CDFA California Department of Food and Agriculture
- Conditional A passing gravel pit inspection rating signifying that the inspector cannot confidently state that all mineral material from this site is weed free. Certain restrictions are specified as to where on site mineral material may be supplied from and mitigation measures may be required
- First tier listed weed Highest priority weeds that require control anywhere in the active area.

 Plants are not allowed to set seed where contamination of the active area is likely
- Full compliance A *passing* gravel pit inspection rating signifying that the inspector is confident that mineral material from this site is free of listed weeds.
- General conditions for certification Actions or measures required of all mineral material suppliers regardless of weed populations
- Listed weeds Plants deemed an invasive threat by Yosemite National Park. List is provided to all participants in the program
- Mitigation Immediate actions required to address on-site weed populations.
- MMS Mineral Material Supplier
- NAWMA North American Weed Management Association
- Second tier listed weed Common weeds that are not allowed to grow in material for sale.

 Control is require in and around stock piled material
- Specific conditions for certification Actions or measures required to mitigate specific weed populations encountered on site. These are developed in consultation with a Yosemite botanist and are amended in response to changing weed populations
- Unacceptable A *failing* gravel pit inspection rating signifying that the inspector believes that mineral material from this site poses the threat of spreading listed weeds
- YOSE Yosemite National Park