



### 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:**

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

Conditional: 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:**

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

Gravel pits receiving a passing rating are approved to sell mineral material to Yosemite National Park and will receive a weed-free certification valid until the next semi-annual inspection. 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.

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### Weed-Free Gravel Program

### WEED MANAGEMENT PLAN

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Company Name

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Site Name

I am requesting weed free certification from Yosemite National Park. I understand that this certification will require two inspections a year by a Yosemite approved botanist. I agree to maintain the following required documents and furnish them upon request. I agree to adhere to the following general and specific conditions for certification. I understand that the specific conditions for certification are developed in response to current weed threats and will be revised as conditions change.

#### Checklist of required documents:

- This weed management plan, signed by an authorized representative.
- A current copy of the listed weeds from Yosemite National Park
- A current map of the certification site identifying weed populations
- Records of past inspections
- Records of weed treatments
- Records of product delivery

Authorized representative: \_\_\_\_\_ Title: \_\_\_\_\_

Authorized Representative Signature: \_\_\_\_\_ Phone: \_\_\_\_\_

Designated contact employee or contracted professional: \_\_\_\_\_

Phone: \_\_\_\_\_ Date: \_\_\_\_\_

**General Conditions for Certification:**

**Mineral Material:**

1. Mineral materials are maintained free of listed weeds\* from the time of extraction until the time of delivery
2. Storage piles growing listed weeds are treated to kill weeds and then stripped of the top 8 inches of material. Mineral material from this pile is not sold as weed-free and is only used as sub-surface fill

**Weeds:**

3. Listed weeds are promptly and aggressively controlled. Control is continual and ongoing
4. 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”)
5. 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
6. Plant parts containing seed are not transported off-site. On-site disposal by burning, composting or burying is conducted away from the active area

**Surrounding Area:**

7. The active area and periphery is regularly inspected to monitor identified weed populations
8. Berms are established on the periphery of the active area where adjacent to weedy property
9. Berms, roadsides and other vegetated land within the active area are planted with dense native vegetation or treated regularly to control weeds

\*"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: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Perimeter of property: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Vehicle parking area: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



Vehicle wash area: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Stock Piles: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### **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 priority 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.

### **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
- The inspector will examine all active areas of the site including the extraction area, processing machinery, roads, storage areas and perimeter

### **Certification Inspection Continued:**

- 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 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:**

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

Conditional: 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:**

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

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## Weed-free Gravel Program

### LISTED WEEDS

The following plants 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.

Scientific Name	Family	Common Name
<i>Conium maculatum</i>	Apiaceae	Poison hemlock
<i>Foeniculum vulgare</i>	Apiaceae	Sweet fennel
<i>Vinca major</i>	Apocynaceae	Greater periwinkle
<i>Hedera helix</i>	Araliaceae	English ivy
<i>Acroptilon repens</i>	Asteraceae	Russian knapweed
<i>Carduus acanthoides</i>	Asteraceae	Plumeless thistle
<i>Carduus nutans</i>	Asteraceae	Musk thistle
<i>Carduus pycnocephalus</i>	Asteraceae	Italian thistle
<i>Carduus tenuiflorus</i>	Asteraceae	Slenderflower thistle
<i>Centaurea calcitrapa</i>	Asteraceae	Purple starthistle
<i>Centaurea cyanus</i>	Asteraceae	Bachelor's button
<i>Centaurea diffusa</i>	Asteraceae	Diffuse knapweed
<i>Centaurea maculosa</i>	Asteraceae	Spotted knapweed
<i>Centaurea melitensis</i>	Asteraceae	Tocolote
<i>Centaurea solstitialis</i>	Asteraceae	Yellow star thistle
<i>Centaurea triumfettii</i>	Asteraceae	Squarose knapweed
<i>Chondrilla juncea</i>	Asteraceae	Rush skeletonweed
<i>Cirsium arvense</i>	Asteraceae	Canada thistle
<i>Crupina vulgaris</i>	Asteraceae	Bearded creeper
<i>Dittrichia graveolens</i>	Asteraceae	Stinkwort
<i>Leucanthemum vulgare</i>	Asteraceae	Oxeye daisy
<i>Onopordum acanthium</i>	Asteraceae	Scotch thistle
<i>Senecio jacobaea</i>	Asteraceae	Tansy ragwort
<i>Tanacetum vulgare</i>	Asteraceae	Common tansy
<i>Cynoglossum officinale</i>	Boraginaceae	Gypsyflower
<i>Brassica nigra</i>	Brassicaceae	Black mustard
<i>Brassica rapa</i>	Brassicaceae	Field mustard
<i>Cardaria chalapensis</i>	Brassicaceae	Lens-podded hoarycress
<i>Cardaria draba</i>	Brassicaceae	Heart-podded hoarycress
<i>Cardaria pubescens</i>	Brassicaceae	Globe-podded hoarycress
<i>Hirschfeldia incana</i>	Brassicaceae	Shortpod mustard
<i>Isatis tinctoria</i>	Brassicaceae	Dyer's woad
<i>Lepidium latifolium</i>	Brassicaceae	Perennial pepperweed
<i>Saponaria officinalis</i>	Brassicaceae	Bouncingbet
<i>Sisymbrium irio</i>	Brassicaceae	London rocket
<i>Halogeton glomeratus</i>	Chenopodiaceae	Saltlover
<i>Convolvulus arvensis</i>	Convolvulaceae	Field bindweed
<i>Dipsacus fullonum</i>	Dipsacaceae	Common teasel
<i>Dipsacus sativus</i>	Dipsacaceae	Indian teasel
Scientific Name	Family	Common Name

<i>Elaeagnus angustifolia</i>	Elaeagnaceae	Russian olive
<i>Euphorbia esula</i>	Euphorbiaceae	Leafy spurge
<i>Euphorbia oblongata</i>	Euphorbiaceae	Oblong spurge
<i>Sesbania punicea</i>	Euphorbiaceae	Rattlebox
<i>Cytisus scoparius</i>	Fabaceae	Scotchbroom
<i>Genista monspessulana</i>	Fabaceae	French broom
<i>Lathyrus latifolius</i>	Fabaceae	Perennial sweet pea
<i>Melilotus alba</i>	Fabaceae	White sweetclover
<i>Melilotus indica</i>	Fabaceae	Sourclover
<i>Melilotus officinalis</i>	Fabaceae	Yellow sweetclover
<i>Robinia pseudoacacia</i>	Fabaceae	Black locust
<i>Spartium junceum</i>	Fabaceae	Spanish broom
<i>Vicia benghalensis</i>	Fabaceae	Purple vetch
<i>Geranium dissectum</i>	Geraniaceae	Cutleaf geranium
<i>Geranium robertianum</i>	Geraniaceae	Robert geranium
<i>Hypericum perforatum</i>	Hypericaceae	Klamath weed
<i>Salvia aethiopsis</i>	Lamiaceae	African sage
<i>Lythrum salicaria</i>	Lythraceae	Purple loosestrife
<i>Aegilops cylindrica</i>	Poaceae	Jointed goatgrass
<i>Aegilops triuncialis</i>	Poaceae	Barbed goatgrass
<i>Anthoxanthum odoratum</i>	Poaceae	Sweet vernalgrass
<i>Arundo donax</i>	Poaceae	Giant reed
<i>Brachypodium sylvaticum</i>	Poaceae	Slender false brome
<i>Bromus diandrus</i>	Poaceae	Ripgut brome
<i>Bromus inermis</i> ssp. <i>inermis</i>	Poaceae	Smooth brome
<i>Bromus madritensis</i> ssp. <i>rubens</i>	Poaceae	Foxtail chess
<i>Bromus tectorum</i>	Poaceae	Cheat grass
<i>Cortaderia selloana</i>	Poaceae	Pampas grass
<i>Cynodon dactylon</i>	Poaceae	Bermuda grass
<i>Dactylis glomerata</i>	Poaceae	Orchard grass
<i>Ehrharta erecta</i>	Poaceae	Panic veldtgrass
<i>Festuca arundinacea</i>	Poaceae	Tall fescue
<i>Holcus lanatus</i>	Poaceae	Common velvet grass
<i>Pennisetum clandestinum</i>	Poaceae	Kikuyu grass
<i>Sorghum halepense</i>	Poaceae	Johnson grass
<i>Taeniatherum caput-medusae</i>	Poaceae	Medusa-head
<i>Rubus discolor</i>	Rosaceae	Himalayan blackberry
<i>Rubus laciniatus</i>	Rosaceae	Cutleaf blackberry
<i>Digitalis purpurea</i>	Scrophulariaceae	Foxglove
<i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Scrophulariaceae	Dalmatian toadflax
<i>Linaria vulgaris</i>	Scrophulariaceae	Yellow toadflax
<i>Verbascum blattaria</i>	Scrophulariaceae	Moth mullein
<i>Verbascum thapsus</i>	Scrophulariaceae	Common mullein
<i>Ailanthus altissima</i>	Simaroubaceae	Tree of heaven
<i>Tamarix parviflora</i>	Tamaricaceae	Tamarisk
<i>Tamarix ramosissima</i>	Tamaricaceae	Tamarisk
<i>Tribulus terrestris</i>	Zygophyllaceae	Puncture vine



### Weed-Free Gravel Program

#### WEED CONTROL RESOURCES

##### County Agricultural Commissioners:

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>  
**Inyo and Mono Counties:** George L. Milovich (760) 873-7860 <http://www.inyomonoagriculture.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/](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/weedinfor/winfo\\_photogal-frameset.htm](http://www.cdfa.ca.gov/phpps/ipc/weedinfor/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 pages has a list of sites with weed photo galleries

[http://www.weedcenter.org/inv\\_plant\\_info/images.html](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 list by weed.

<http://wiki.bugwood.org/Invasipedia>

**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 allows gives control options for many weed species:

[http://ucce.ucdavis.edu/specialsites/weed\\_sept/](http://ucce.ucdavis.edu/specialsites/weed_sept/)

Weed photo gallery:

[http://www.ipm.ucdavis.edu/PMG/weeds\\_intro.html](http://www.ipm.ucdavis.edu/PMG/weeds_intro.html)



## Weed-Free Gravel Program

### INSPECTION FORM

Operator: _____	Date: _____
Site Name: _____	
Designated Weed Manager: _____	
Address: _____	
Phone: _____	Inspector Name: _____

Inspection Findings				
Weed Species	Location on Site	Approx. Area	Distance from Material	Mapped?

Inspection Summary		
Free of listed weeds: Yes <input type="checkbox"/> No <input type="checkbox"/> Specific requirements for certification met: Yes <input type="checkbox"/> No <input type="checkbox"/> Revision of plan required: Yes <input type="checkbox"/> No <input type="checkbox"/> Mitigation required: Yes <input type="checkbox"/> No <input type="checkbox"/> Resurvey required: Yes <input type="checkbox"/> No <input type="checkbox"/>	<div style="border: 1px solid black; padding: 5px;">                         Listed Weeds Observed:                          _____                          _____                          _____                          _____                          _____                     </div>	
<b>Final Supplier Rating:</b> Full Compliance <input type="checkbox"/> Conditional <input type="checkbox"/> Unacceptable <input type="checkbox"/>		
Explanation: _____ _____ _____ _____ _____		





### Weed-Free Gravel Program 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 inspector is confident that mineral material from this site is free of listed weeds

B. \_\_\_\_\_ **Conditional:** 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

Restrictions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. \_\_\_\_\_ **Unacceptable:** The inspector believes that the mineral material poses the threat of spreading listed weeds



### INFORMATION AND INSPECTION HISTORY

Site Name	_____	CA permit #	_____
Operator	_____	Phone	_____
Designated Weed Manager	_____	Phone	_____
Email	_____	Fax	_____
Address	_____		
City	State	County	Zip
_____	_____	_____	_____
UTM Coordinates	_____		
Material Type:	<input type="checkbox"/> Sand	<input type="checkbox"/> Gravel	<input type="checkbox"/> Rock
	<input type="checkbox"/> Top Soil	<input type="checkbox"/> Other:	_____

Directions to Site: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





## INSPECTION HISTORY

DATE	INSPECTOR	RATING	Plan revised?	Resurvey required?	Mitigation required?

### 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.

**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.

**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

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

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