

Working with Aggregate Producers and Suppliers

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- Contaminated gravel case-studies
- History of inspection programs
- Incentives for producers
- Outreach and education
- Pit inspection processes

Today's Discussion



Klamath National Forest
Salmon River - 2006
Dyer's Woad

Coltsfoot (*Tussilago farfara*)
Great Smoky Mountains NP
at two new locations
from sand and gravel used in winter



Golden Spike

*Contaminated
gravel*

Golden Spike
National Historic
Site in Utah –
dyer's woad
moved onto
railroad grade in
uninspected gravel

GOSP_WEST

GOSP_CENTRAL

GOSP_EAST

- Black henbane (*Hyoscyamus niger*) spreading on oil field roads in Wyoming





Yosemite National Park – El Portal Road
Reconstruction after the 1997 floods; no source
inspections on imported fill dirt

- Sublette County, Wyoming
1990
- Yellowstone National Park
2006
- North American Weed
Management Assoc.
(NAWMA) 2007



Inspection History

- USFS Lake Tahoe Basin Management Unit – 2003
- Yosemite National Park 2009



Inspection History

- Market drivers – supply and demand
- Value-added, quality products
- Stewardship
- Prevention is cost effective

Incentives for Suppliers

- Education of pit managers and staff
- NAWMA Reports:

“Education has been the biggest benefit, includes the producer...(and)...the general public”

“Public awareness has been very important”

Program Benefits



Land Managers
Quarry Managers

Educational Materials

- Program overview
- Determine conditions for certification
- Quarry list
- Weed list



Documents for Land Managers

- Program overview
- Conditions for certification
- Inspection protocols
- Weed list
- Weed management guidance

Documents for Quarry Managers



Inspection/Verification

- Land manager picks inspector
- Dual roles-
educator and inspector
- Provide botanical skills
- Guide development of integrated
weed management plan
- Certify quarries

Inspectors

Passing!



Conditionally Passing





Not Passing



Go to the CAL-IPC website:

- “Cookbooks” for land managers & quarry managers
- Regional quarry list
- IWM plans for quarries
- Sample contract language

Upcoming documents

What materials do we see as helpful to start a program?



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