Working with Aggregate Producers and Suppliers

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- Contaminated gravel casestudies
- 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



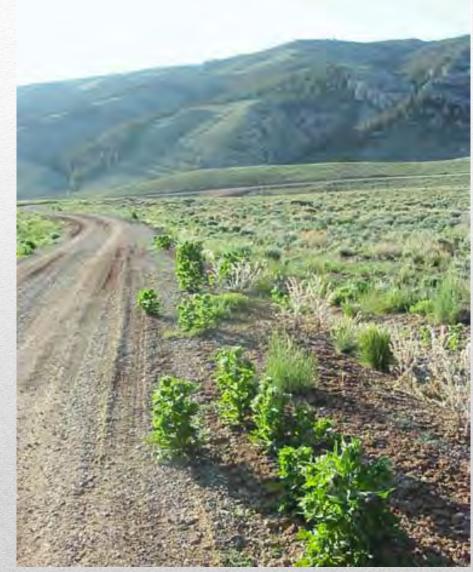
Coltsfoot (*Tussilago farfara*) Great Smoky Mountains NP at two new locations from sand and gravel used in winter



Golden Spike

Contaminated

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

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 mangers & quarry managers
- Regional quarry list
- IWM plans for quarries
- Sample contract language

Upcoming documents

What materials do see as helpful to start a program?



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