

# GM POWERTRAIN BEDFORD FACILITY BEDFORD, INDIANA

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

Welcome to the December 2007

Public Information Session

<u>December 6, 2007</u>



- Facility located on 152.5 acres and is approximately 1,000,000 square feet
- Approximately 1,000 employees



#### REMOVAL ACTION

RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Removal Action (RA)
  - Bailey's Branch and Pleasant Run PCB cleanup of creek sediments and floodplain soil.
  - RA Elements:
    - Control of impacted springs and seeps along creeks;
    - Removal of floodplain soil to 1.8 ppm and sediment to 1 ppm in the creek.
  - Excavation of creek sediments and floodplain soil should be completed in early 2008, however restoration of excavated areas and transportation of soil from staging area to East Plant Area will continue through 2008.



RCRA CORRECTIVE ACTION/CERCLA REMOVAL ACTION

GM POWERTRAIN BEDFORD PLANT, BEDFORD, INDIANA





#### REMOVAL ACTION STATUS

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GM POWERTRAIN BEDFORD PLANT, BEDFORD, INDIANA

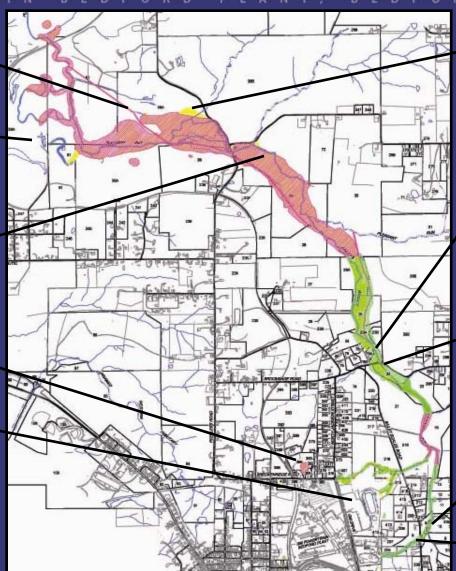
DIVERSION CHANNEL NO. 3

BORROW SOURCE AREA AND HAUL ROAD

EXCAVATION
BETWEEN
BROOMSAGE ROAD
AND PEERLESS
ROAD

NORTHERN TRIBUTARY

EAST PLANT AREA VAULT



**STAGING AREA** 

RESTORATION NORTH OF BROOMSAGE ROAD

RESTORATION SOUTH OF BROOMSAGE ROAD

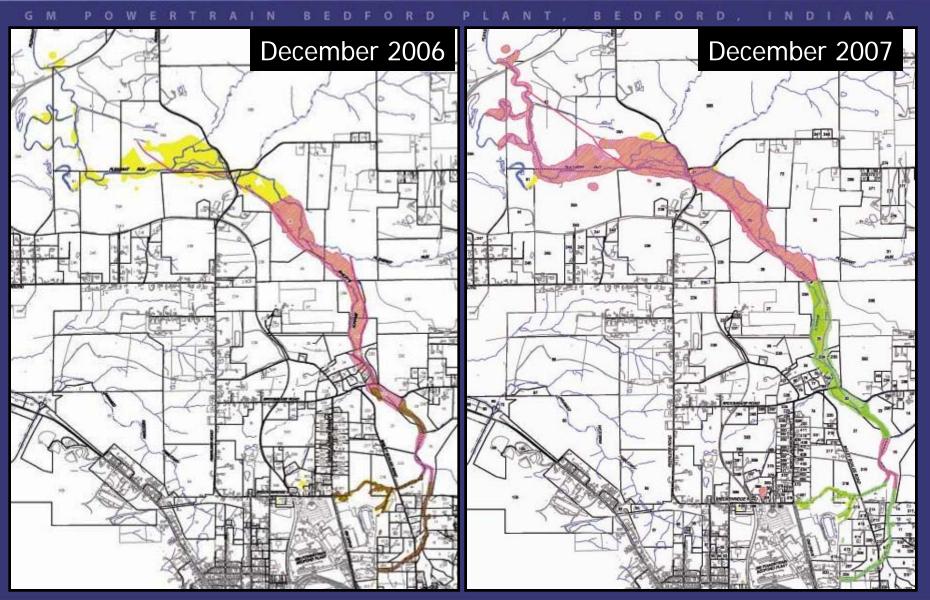
RESTORATION EAST OF BAILEY SCALES ROAD

RESTORATION WEST OF BAILEY SCALES ROAD



#### REMOVAL ACTION STATUS DECEMBER 2006 – DECEMBER 2007

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Looking west and east from Bailey Scales Road



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Property south of Broomsage Road restoration



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Restoration north of Broomsage Road (looking south)



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Restoration south of Broomsage Road



# CREEK EXCAVACTION STATUS

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## CREEK EXCAVACTION STATUS

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**Excavation east of Peerless Road** 



## CREEK EXCAVACTION STATUS

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**Excavation west of Peerless Road** 



# **BORROW SOURCE AREA**

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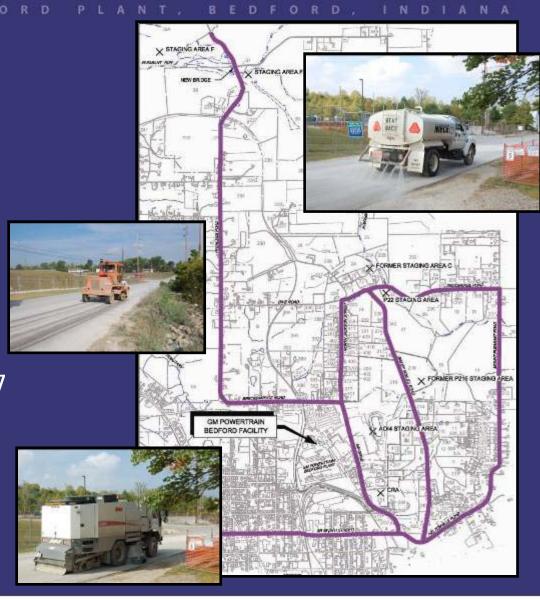
#### ROAD MAINTENANCE

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 A paving contractor is on retainer to maintain the roads, as needed.

 GM will be maintaining roads but no paving will occur until asphalt plants re-open in the Spring.

- CRA is continually monitoring driver safety of truckers.
- Truck Traffic Issues:
   Katie Kamm (812) 279-0977





#### SEEPS AND SPRINGS

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- Investigation at spring south of Broomsage Road is ongoing. Installation
  of coreholes is complete and the dye-trace study is ongoing.
- Monitoring will continue to be conducted at least quarterly and low or high flow samples will be collected as conditions allow.



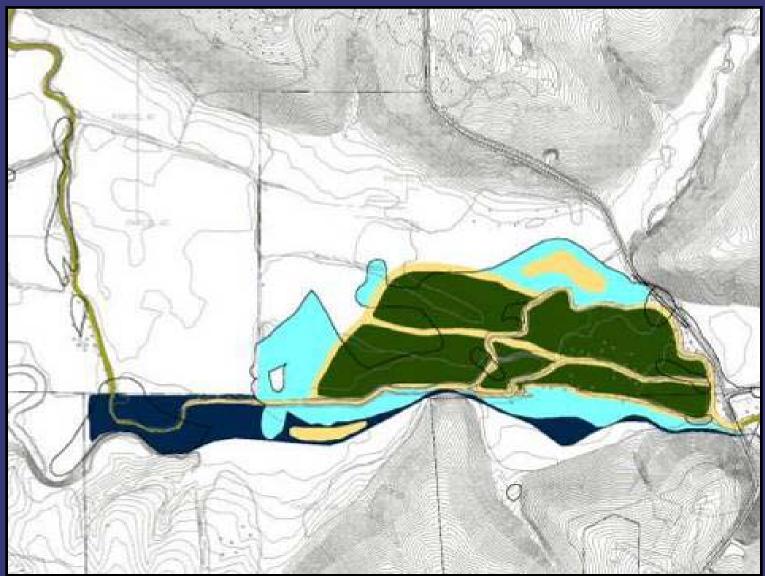


# PROPOSED WETLAND

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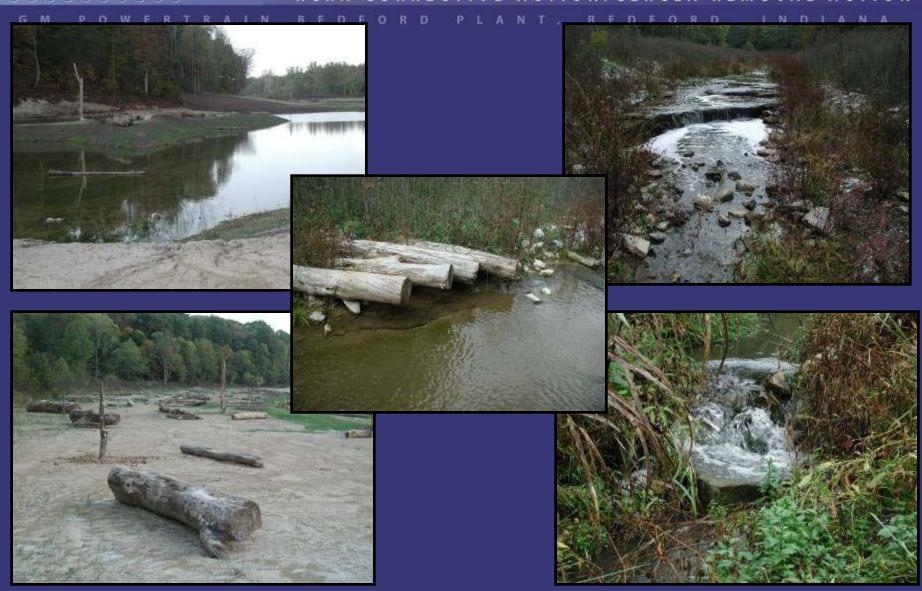
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#### HABITAT ENHANCEMENTS FOR FISH AND WILDLIFE

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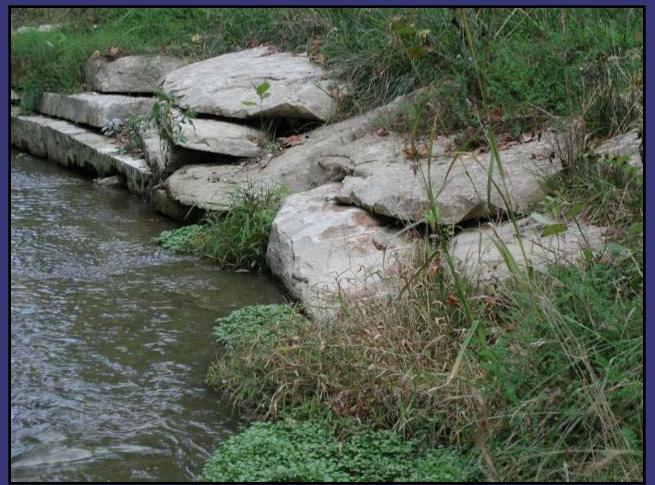


#### STREAM ENHANCEMENTS FOR FISH

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- 13 Species of fish identified in October 2007
- 8 Species documented prior to the cleanup



Bluegill



**Orangethroat Darter** 



**Creek Chub** 



#### STREAM ENHANCEMENTS FOR INVERTEBRATES

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28 Species of invertebrates identified in October 2007

19 Species documented prior to the cleanup



**Damselfly** 



Mayfly



**Dragonfly** 



# HABITAT ENHANCEMENTS FOR BIRDS

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Snags Nest Boxes/











#### RCRA CORRECTIVE ACTION

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#### RCRA Corrective Action

- Conducted under a performance-based agreement with the U.S. EPA Region V. The agreement was signed on March 20, 2001 and amended on October 1, 2002.
- Continuing to perform soil and groundwater investigation
  - Installed new groundwater wells and completed new round of groundwater sampling
  - Dye investigation
- Implementing Interim Measures
  - East Plant Area
  - Northern Tributary
  - West Plant Area

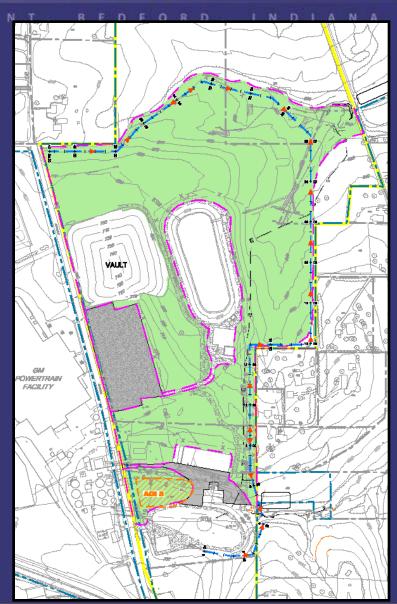


#### EAST PLANT AREA

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East Plant Area Interim Measure

- Re-use of low PCB Removal Action soil
  - ongoing
- Select soil removal
  - >50 PPM removal complete in the East Plant Area and placed into the Vault
- >50 PPM Landfill Vault
  - Permanent cover still to be placed
- Cover System
  - Grading and clay placement is ongoing
- Perimeter Groundwater Collection System
  - Design being finalized
  - Interim groundwater collection ongoing
- AOI 8 Collection System
  - Interim recovery system to be installed
  - Final design to be finalized
- Long-term maintenance and monitoring
  - Following construction





# EAST PLANT AREA

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# NORTHERN TRIBUTARY

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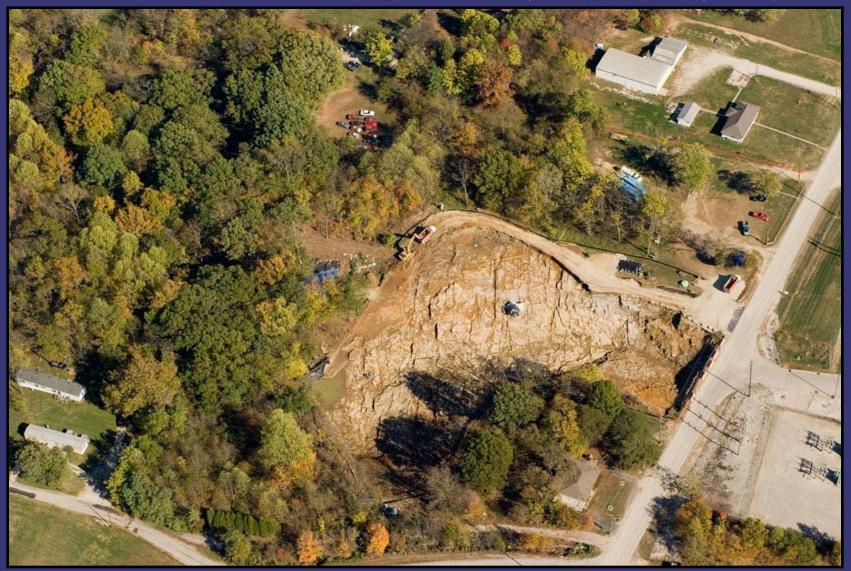




# NORTHERN TRIBUTARY

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#### UPCOMING RCRA ACTIVITIES

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#### **UPCOMING ACTIVITIES 2008**

- Implement West Plant Area IM
- Parcel 201 excavation
- Landfill Vault closure
- Parcel 400 remediation
- Complete geophysics and final design of the perimeter collection system
- Continue RFI groundwater monitoring



#### COMMUNITY RELATIONS ACTIVITIES

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- Community meetings are held on a quarterly basis.
  - Presentations have been and will continue to be posted to the website.
  - People can always come to the field trailer and talk one-on-one.
- Next meetings will be held in March 2008



#### COMMUNITY RELATIONS ACTIVITIES

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- Project website at: http://www.BedfordPowertrainCorrectiveAction.com
- Quarterly Community Meetings now available on the website
- GM Community Relations Contact person is Becki Akers
   The toll-free number remains (866) 223-0856
- Public Information Repository (GM Plant)
   Currently by appointment
- Public Information Repository (Library)
- Community Liaison Panel (CLP)
- Periodic information sessions
- Periodic Project Fact Sheets (eighteen issued to date)
- Truck Traffic Issues: Katie Kamm (812) 279-0977