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(details on page 8)

Land Fill Under Investigation

The Greenbrier County Eastern Landfill, located ¼ mile from the Greenbrier River and northeast of Lewisburg, has been determined by the West Virginia Department of Natural Resources to contain potentially hazardous materials and is undergoing remedial investigation by the U.S. Environmental Protection Agency.

The site has a high potential of contamination of surrounding domestic wells because of off-site migration due to the permeable sandy soils, close proximity to underground caverns and streams, and as a result of the disposal methods employed. The Lewisburg Water Authority's intake for its more than 10,000 residential customers is located in the Greenbrier River approximately I mile downstream from the landfill. Also immediately downstream are two children's summer camps.

Some 600-900 gallons of potentially hazardous materials from local industries, the West Virginia Department of Highways, West Virginia School of Osteopathic Medicine, and the Greenbrier Hotel were dumped into an unlined pit at the site, and 16,635 tons of asbestos from the Greenbrier County Board of Education and B. F. Goodrich were also buried there. Allegedly, the landfill accepted several hundred drums, some of which contained unidentified chemical wastes, after the 1985 flood.

The Greenbrier River, a candidate for Wild and Scenic River status, is one of West Virginia's favorite canoeing and fishing rivers.

Senators Ask For Hearings On Rivers Bill

Both West Virginia senators Jay Rockefeller and Robert Byrd have asked for public hearings on the senate version (S. 1720) of the West Virginia Rivers Bill (HR 900). According to committee staff, the hearings will probably be held late in April.

The W. Va. Rivers Bill was introduced by Congressman Nick Rahall and passed by the

U.S. House of Representatives in May of last year. Senator Rockefeller introduced a companion bill in the Senate in September. Senator Byrd has remained uncommitted. Readers may express their views on the bill by writing to the senators at the U.S. Senate, Washington, DC 20510.

Five Dams Proposed For Cheat River

by Mac Thornton

"The Cheat watershed is fantastic no matter which way you look at it. If you are a gung ho Corps of Engineers type, you drool in frustration at seeing water running freely every second over one of the largest uncontrolled watersheds in the east, but if you are a paddler, you see it as a place of almost infinite variety of water to test the mettle of your skill and your boat." Wild Water West Virginia.

An engineering report prepared for the Tucker County (W.Va.) Commission proposed construction of five dams on headwater tributaries of the Cheat River. The proposed crushed rock dams are of moderate size (90' to 120' high) and would be operated for flood control purposes only. In other words, they would be "dry" dams maintained without pools most of the time. The dams would be located on Gandy Creek and on the lower reaches of the Shavers Fork, Laurel Fork, Glady Fork and Dry Fork Rivers.

The Report, prepared by Robert Eli, a Professor of Engineering at West Virginia University at Morgantown, has been submitted to the Army Corps of Engineers, Pittsburgh District. The Army Corps in turn is seeking funds from Congress to perform a feasibility study of the proposal, as well as other alternatives for "improvements" in the Cheat Basin.

Tucker County, which comprises most of the upper Cheat watershed, was hard hit by the Great Flood of 1985, particularly at Parsons, the county seat. The initial stated goal of the Report was to design "structural measures" for protection for Parsons from a flood of this magnitude. On November 4-5, 1985, the Cheat crested at Parsons at 176,000 CFS, with 15 percent of the flow contibuted by the Blackwater, 60 percent from the Dry Fork (including Laurel and Glady Forks) and 25 percent from Shavers Fork. Statistically, this flood was "off the chart" and cannot be reliably classified as to probability of recurrence. The Report concludes only that the Great Flood exceeded the frequency of a 500 year flood.

Only one alternative was deemed sufficient to control such a flood, consisting of three large (up to 250 feet high) dry dams. Two would be located on the Dry Fork and one on the Shavers Fork. The Report concludes, however, that siting problems and high cost (hundreds of millions of dollars) make this alternative obviously infeasible.

The Report proceeds to scale back its goal to protection for Parsons (and downstream points) for 100 year floods. The Report finds that because of the steepness and high elevation of the Cheat headwaters, the most severe flood risk in the Basin arises there. To illustrate, the Cheat basin has about 50 percent of its drainage upstream of Parsons, and yet that area contributed 85 percent of the total water flow of the Great Flood. Thus, consideration of dams is concentrated on the headwater tributaries.

The Blackwater was found to be too steep in its lower reaches to allow sufficient reservoir storage in relation to the size of a dam. To allow the Blackwater to remain uncontrolled, and still afford 100 year flood protection to Parsons, the Study recommends dams on (1) Gandy Creek upstream of Whitmer, (2) Dry Fork above Hendricks, (3) near bottom of Laurel Fork, (4) near bottom of Glady Fork, and (5) Shavers Fork above Parsons.

The Report has several shortcomings. First, by its own admission, it does not address the economic feasibility of the proposal at all. However, it recommends that such an economic study be performed, presumably by the Army Corps.

Second, the Report does not even mention, much less address, the severe effects the dams would have on the environmental and recreational attributes of the Cheat Basin. The dams would be "dry" most of the time, but would be filled on occasion, which would devastate plant and animal life in the pool areas. Thus, the pool areas would likely consist of giant mud bowls. For example, the proposed Laurel Fork Dam would be 120' high (spillway height) and 630' wide. Its "normal" pool would cover only 4 acres. Filled, it would cover 177 acres. A paddler on the formerly lovely Laurel Fork could paddle down the river through the mud bowl, but would then face a horrendous portage up and over the dam.

Third, the Report clearly has a dam builder's bias. Flood control alternatives to dams (such as levees, floodwalls and channelization of the river near populated areas) are given short shrift and dismissed out of hand. The study criticizes such measures in that they would not have controlled the Great Flood, and yet the five dams proposed would be also overwhelmed by such a flood. The fact is that these alternatives to dams are far cheaper, do less environmental damage, and are effective flood protection. A good example is the Army Corps project at Kitzmiller, Md. on the North Branch Potomac. Ironically, the Report hints that 100 year flood protection might be achieved for Parsons by such alternative measures, citing a 1965 Army Corps study. The Report also fails to mention zoning to prohibit construction below the level of the 100 year flood plain.

Copies of the Report and further information can be obtained from Mac Thornton, American Canoe Association Conservation Chairman (Middle States), 322 Tenth Street, S.E., Washington, D.C. 20003. Phone (202) 543-4923.

Individuals or groups who wish to receive pertinent public notices and to participate in the public phases of the Army Corps consideration of dam proposals in the Cheat Basin should express their interest by writing to Colonel George M. Miller, Jr., District Engineer, U.S. Army Corps of Engineers, Pittsburgh District, 1000 Liberty Avenue, Pittsburgh, Pennsylvania 15222.

-Mountain View-

"Passing Trash"

by John Purbaugh

One part of the seemingly unsolvable stream litter problem is the damkeeper's practice of "passing trash." As followed at dams large and small, both public and private, the practice is that the damkeeper gathers up all the floating trash that collects behind his dam, and then, having once removed it from the river, turns 180 degrees and dumps it over the breast of the dam into the downstream waters. ("It ain't my trash!") At large Army Corps of Engineers' dams, this may be done with a crane and clamshell; at smaller private dams it can be done manually with rakes. Sometimes just adjusting the gates can accomplish the same results.

Dams on our mainstream rivers are large, long-term capital investments. For example, the Hawks Nest Dam at Anstead on the New River was just relicensed for its second 50-year span of operation generating hydropower for the Elkem (formerly Union Carbide) metals plant at Alloy, West Virginia. Yet when I visited the site with Federal Energy Regulatory Commission staff as part of the Conservancy's participation in the relicensing process, the damkeeper matter-of-factly "passed trash" while we were standing on top of the dam.

Surely, the cost of properly disposing of captured bleach bottles, spread over the 100-year operating life of such a facility, will not put Elkem out of business. The Corps, already a suppurating sore on the back of the taxpayer, could absorb the minimal additional costs for its facilities.

"Everybody does it" and "There's no requirement that we do any different" are the common answers to my questions about this practice. Right, and wrong. Everybody does do it, but "it shall be unlawful to place, deposit, dump or throw, or cause to be placed, deposited, dumped or thrown, any litter, garbage, refuse, trash, can, bottle, paper, or any other offensive or unsightly matter into any river, stream, creek, branch, brook, lake or pond..." (W. Va. Code 20-5-15). DNR's enforcement of this law is, unfortunately, largely confined to bottle throwing fishermen and the like. I am aware of no effort whatsoever by DNR to educate damkeepers on this topic, or of no single act of enforcement against the damkeeper's "passing trash."

A new tool against this practice may be the prohibition against "open dumps," defined to include any placement of "solid waste" (including bleach bottles) other than in a licensed landfill. I have written to DNR suggesting that regulations under the "open dump" law, or enforcement of the stream litter law, or both, could remove a lot of the floating trash from our rivers. We'll see. In the meantime, consider filing a complaint with DNR if you see a damkeeper "passing trash."

Tea Creek Mountain Opportunity Area

Dear Editor:

The Monongahela Forest Plan has been approved and is now in effect. Now we must implement the plan by identifying site specific projects and activities. We are doing this on smaller units of land called "Opportunity Areas." Our proposals respond directly to specific issues, concerns, and opportunities we gather from interested people. We are writing this letter to you to ask for your ideas and opinions.

Three teams have been chosen to make plans for three different Opportunity Areas on the Marlinton Ranger District. You may be contacted by one of the other teams concerning their area. Each area is unique; our assignment is the "Tea Creek Mountain Opportunity Area." This area includes 5,358 acres of National Forest.

The opportunities for Tea Creek Mountain (Prescription 6.2) are set by the Forest Plan; it is to be a nonmotorized, undisturbed environment. Management emphasis is for dispersed recreation and wildlife species that require a low level of disturbance. Activities that can occur in this area are:

Trees may be cut for recreation, safety, or salvage purposes.

Trails, bridges, adirondack shelters, trail bridges, signing, trailhead parking lots, designated campsites, and primitive toilets.

 Appropriate activities include, but are not limited to: hiking, backpacking, camping, nature study, bicycling, horseback riding, fishing, hunting, and cross-country skiing.

 Historic and prehistoric sites and artifacts will be preserved and interpreted where appropriate. Watershed and soil restoration and protection projects allowed.

 Fish and Wildlife habitat improvement and activities allowed when compatible with recreation objectives.

Mineral exploration and development allowed, but restricted.

Wildfires will be suppressed.

In much of our area we are already at a desirable condition and nothing more than protecting what we have is necessary. However, in some portions of our area, we may be able to undertake action to enhance dispersed recreation or other opportunities in the area.

We need your opinions and ideas to help us in our task. Do you have any ideas for specific projects? What are your concerns relating to wildlife, recreation, or any of the resources in the Tea Creek Mountain Area? Do you have personal knowledge about opportunities in the area we ought to know about? Tell us about some issues you believe apply to the management of this area.

We want to hear from you. Call us at the Marlinton Ranger Station, (304) 799-4334; or better yet, write to USDA - Forest Service, P. O. Box 210, Marlington, WV 24954. We are very interested in hearing what you think [as soon as possible].

Sincerely,
LAWRENCE H. MULLINS, JR.
Team Leader
Tea Creek Mountain Opportunity Analysis

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Deadline for Articles for May Voice April 29

Greenbrier River Basin Flood Control Study

(The U.S. Army Corps of Engineers Huntington District has recently completed preliminary studies concerning potential flood-control measures in the Greenbrier River Basin. The following article is their general summary of the study results.)

Introduction

Authority for the study of flood-damage reduction in the Greenbrier River Basin, West Virginia, was granted by a resolution of the Public Works Committee of the U.S. House of Representatives on 10 May 1962. The resolution reads as follows:

Resolved by the Committee for Public Works of the House of Representatives, United States, that the Board of Engineers for Rivers and Harbors be, and is hereby requested to review the reports on the Kanawha River, West Virginia, Virginia, and North Carolina, published as House Document Number 91, 74th Congress, First Session, with a view to determining whether improvements in the interest of flood control and allied purposes and related land resources on tributaries of the Kanawha and Elk Rivers at and in the vicinity of Charleston, West Virginia, are advisable at this time.

Following the flood of November 1985, which resulted in major disruptions and the loss of lives and property throughout Eastern West Virginia, the flood-damage studies that were underway at Marlinton were redirected toward assessing potential measures for reducing such damage throughout the entire Greenbrier River Basin.

Location

The Greenbrier River Basin is located in southeastern West Virginia and has a drainage area of 1641 square miles. From its source in Pocahontas County to its confluence with the New River in Summers County, the river flows 167 miles through four West Virginia counties — Pocahontas, Greenbrier, Monroe, and Summers. Two-thirds of the Greenbrier River Basin is within Pocahontas and Greenbrier counties. These two counties had a population of about 48,000 people in 1980, an increase of 14 percent over 1970. Commercial centers along the River are located at Hinton, Alderson, Ronceverte, and Marlinton.

Problems and Needs

The Greenbrier River has a history of significant flooding. Historic floods have been documented as early as 1812 and 1877, and more than a dozen major floods have occurred this century such as the one in March 1967.

The flood of record all along the Greenbrier River occurred in November 1985. Conservative estimates indicate that the resulting damage in the basin exceeded \$70,000,000.

This same storm event devastated nearby drainage areas as well.

The November 1985 flood was especially severe in the upper part of the Greenbrier Basin. Five people died in the vicinity of Marlinton, where water reached depths of 8 to 10 feet. Four miles downstream, at Buckeye, the flood height exceeded that of 1967 by 6 feet.

Major damage centers are located along the Greenbrier River at Alderson, Ronceverte, and Marlinton. Some 1500 structures along the main stem of Greenbrier are subject to flooding. Many of the numerous weekend and summer residences in the area have been improved to serve as second residences and retirement homes. This trend is expected to continue. Although flood damage occurs along several tributaries of the Greenbrier River, the most significant major tributary damage center is along Howard Creek in the vicinity of White Sulphur Springs. The Soil Conservation Service has completed a Feasibility Report for flood protection on Howard Creek.

Alternatives Considered

Because of persistent flooding in the Greenbrier Basin, particularly at Marlinton, a feasibility study for local flood protection was underway in November 1985. A small project flood-protection plan for Marlinton was formulated and coordinated with interested agencies. The plan was developed to limit environmental intrusion, but would nevertheless provide a low level of flood protection (20- to 25- year frequency). The November 1985 flood of record occurred before the local protection study was completed. Because the plan, as proposed, would have had little effect on the level of the 1985 flood at Marlinton, local interests at public meetings requested consideration of measures to effectively reduce damage that would result from major floods.

The feasibility study was subsequently redirected to

investigate the reduction of such damage throughout the Greenbrier River Basin.

The initial phase of the present study has included a consideration of flood-reduction measures and water-resource opportunities, the identification of potential solutions, and preliminary evaluations. The study involves a wide range of potential solutions. Much of the initial work has been devoted to screening alternatives, evaluating options, and making comparisons. This preliminary phase initially included consideration of the following alternatives for flood-damage reduction in the Greenbrier River Valley:

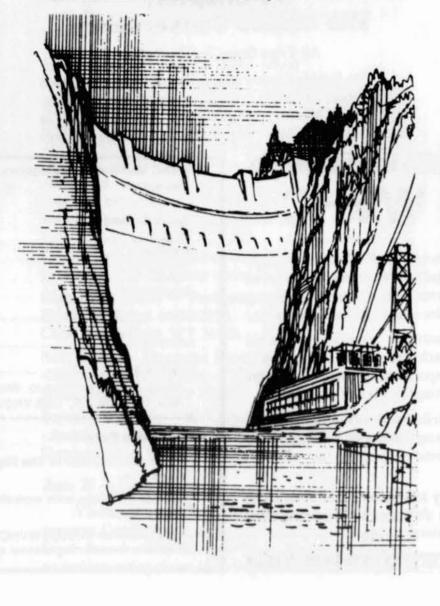
- a tributary reservoir system
- a headwater reservoir system
- a combined tributary and headwater reservoir system
- local protection projects
- main stem flood control and multipurpose reservoirs
- nonstructural measures

The preliminary study efforts concerning these alternatives are summarized in subsequent paragraphs.

Tributary Reservoirs. One flood-control alternative initially considered was a system of reservoirs on the major tributaries of the Greenbrier River upstream of Marlinton. In order to obtain sufficient storage capacity to provide significant flood reductions at downstream damage centers, reservoirs would be necessary on four of the five larger tributaries. The costs and resulting developmental impacts of four sizeable dams and reservoirs would be significant. This alternative was therefore screened out in the initial phase of the preliminary study.

Headwater Reservoirs. As an alternative to the development of reservoirs on the Greenbrier Main Stem or major tributaries, a system of smaller flood-control impoundments has been investigated for the headwater streams. This alternative was considered as a means of providing flood-control storage while minimizing disruption of farmland and homes. Impoundment sites were identified on thirteen headwater streams in the upper Greenbrier Basin. However, the drainage area controlled and the storage capacity of these thirteen impoundments is insufficient to provide adequate flood reduction. Consequently, this plan was not considered to be a viable alternative and was screened out.

Tributary-Headwater Reservoirs. A combination of tributary reservoirs and headwater impoundments was evaluated. A combination plan including two tributary reservoirs and five headwater impoundments was identified as providing an acceptable level of flood protection to the downstream communities. The preliminary study results have shown that a seven-dam system would provide effective flood reduction but construction costs would far exceed the benefits produced by this plan. Therefore, this alternative was eliminated from additional study.



Local Protection Projects. Major damage centers during the 1985 flood were located in the midst of the largest concentration of population — Marlinton, Ronceverte, and Alderson. Local protection projects in the form of floodwalls and levees were evaluated for these communities. A small channel-widening project had been considered previously for Marlinton and had been found to be feasible. However, channel modification could not provide significant flood protection.

Levees being considered for these communities would have a much higher level of protection (1985 flood level) than the channelmodification plan previously considered at Marlinton. The floodwall and levee structures were located in such a manner as to minimize disruption to the development in these communities. However, because of the length of the levees, interior drainage, the necessary height of the structures to provide a safe level of protection, and the relatively small size of the protected area, the preliminary study results show that the cost for each of these local protection projects is too high compared to the flood-damage reduction benefits in the protected communities. Consequently, local protection projects were eliminated.

Main Stem Reservoir. Flood control as well as multipurpose reservoirs on the main stem of the Greenbrier River have been investigated. In order to maximize flood protection for such an alternative, the primary reservoir sites were located above the major damage reach beginning at Marlinton. Four dam sites have been identified between Marlinton and Cass. The lowermost site is about 2 miles above Marlinton and the uppermost site about 15 miles farther upstream. Two of the sites were investigated in the preliminary study as typical main-stem reservoirs. Mainstem reservoir plans provide a significant capability for flood reduction along the Greenbrier River for a distance of 110 miles. The 1985 flood would be reduced by 8.1 feet in the vicinity of Marlinton (Buckeye gage) and 6.5 feet at Alderson.

Dams of different sizes and different storage levels have been evaluated at these two sites. As dam height and the storage capacity increase, so do recreation opportunities, project cost, and the impacts. The preliminary study results show that some variations of this alternative are feasible for further study.

Nonstructural Measures. Nonstructural alternatives being considered for the Greenbrier River Basin include permanent evacuation, relocation, and floodproofing. Preliminary cost estimates for floodproofing residential structures have been made for several levels of protection at the major damage centers of Marlinton, Ronceverte, and Alderson, and at other communities along the main stem. These studies show that a general plan to raise all residential structures subject to flood damage would be too costly by a wide margin. Permanent evacuation, relocation, and other measures are also being considered, and the development of study plans and cost estimates will be continued in the next phase of the study.

Impacts of Alternatives

Construction of any of the alternative flood control measures in the Greenbrier River Basin would result in some environmental, economic, and social impacts with varying degrees of magnitude and significance. Prior studies and public comments indicate that the most significant adverse impacts concern the number of families or residences affected; the amount of project lands to be acquired; the amount of high-quality, free-flowing streams inundated; and the effects on fish and wildlife habitat.

Flood-damage reductions would positively affect significant numbers of people as the future economic and social problems associated with flooding are curtailed. The opportunities for additional recreational use of the river could increase if the flood-control plan provided additional downstream flow in the summer and fall.

The Greenbrier River is well known for its outstanding scenic characteristics. Portions of the river have been found to be suitable for designation as a Federal Wild and Scenic River. The situation has been characterized generally as either a flood-control or a scenic river condition. It may be possible, however, to formulate a plan that provides for flood control while retaining many of the desired scenic qualities.

(continued on page 6)

Time To Put Up Bluebird Houses

March is the time to clean, repair or put up new nest boxes for bluebirds, according to biologists of the West Virginia Department of Natural Resources' Nongame Wildlife Program. Nesting activities begin early for this songbird.

Bluebird populations have declined drastically in many areas during the past several years, caused in part by a lack of suitable places for nest building. Bluebirds build their nests in fence posts or trees, using hollowedout spaces created by rotting wood or other birds such as woodpeckers. The use of metal posts to replace old wooden posts and the increased use of wood for home heating have reduced the number of nest sites. Competition for the remaining nest sites with non-native birds such as starlings and house sparrows has also contributed to the decline in bluebirds.

Since bluebirds feed mainly on insects,

nest boxes should be located in open fields, golf courses, large lawns or old orchards. These areas should also contain scattered trees, shrubs or fences to serve as observation perches for the birds while they are feeding. Boxes may also be placed near gardens so bluebirds can help control garden insects. However, avoid areas of high pesticide use.

Don't be discouraged if bluebirds do not take up residence immediately. In the meantime, your boxes may serve as homes for chickadees, wrens, titmice or woodpeckers.

An informative brochure providing information on the construction and placement of bluebird nest boxes is available free from the West Virginia Department of Natural Resources. To obtain this free brochure, write to: Bluebirds, West Virginia Nongame Wildlife Program, P. O. Box 67, Elkins, West Virginia 26241.

"Mountain Ghost Stories"

"Mountain Ghost Stories", a tape of ghostly tales told by the Mountain Moon Tale Spinners, Bob and Barbara Gingerich, will soon be available at the A.B. Brooks Nature Center in Oglebay Park, Wheeling, WV. Bob Gingerich is the director of the nature center.

The Gingeriches have quite a few tales to tell and many of their stories include the folklore of West Virginia. Gingerich and his wife decided to put the stories on tape, because of the increasing popularity of story-telling and the lack of available tape recordings on West Virginia stories.

The tape features a variety of ghosts: a ghost of an oil worker; a coal miner; two Christmas ghosts, one is lonely and the other is malevolent; and a civil war ghost. One tale, from Ireland, is about a white bird that comes for the souls of young people when they die.

All the stories heard on the tape are courtesy of Ruth Ann Musik. Musik was a folklorist at Fairmont State College, and she had published many books centered on folklore and history. "I read one of the books, and felt more people should know about what they contained. My wife and I received permission to tape the material, and we put a lot of the material into a story-telling manner," said Gingerich.

The Gingeriches recorded the tape in November at The Music Factory-Sweet Song Productions in Parkersburg We hope the tape will be available throughout the state and hopefully appear in the "Story-Telling Journal" and other story-telling publications nationally," Gingerich said.

Gingerich became interested in story-telling while working in camps. When he joined Oglebay Institute, Gingerich met Toni Olshan, then a resident of Bethany, who introduced the nature center to story-telling. "After Toni introduced us to story-telling, we then found a national directory of story-telling and also discovered a national organization called the National Association for the Preservation and Perpetuation of Story-telling," Gingerich said.

"Story-telling has many styles and outlets," Gingerich pointed out. "Some tales come from family folklore, while other stories are repeated and handed down by work of mouth. Other stories are found simply by reading and researching through material, or by making them up."

Most stories are told for entertainment while some

have a basic moral value. "Ghost stories have some kind of meaning or reasoning behind them," Gingerich said. "When ghosts return, they usually have a reason for doing so. Some ghosts return to get revenge, while others center around the theme of jealousy, loneliness, or even helpfulness," Gingerich added. "What these stories try to convey is, that in living your life, you want to try and avoid those emotions that make you escape reason and take action."

Bob and Barbara Gingerich tell their tales for senior citizens, women's groups, festivals, hospitals, schools, and Oglebay Institute's Mountain Moon Coffee House. They perform at more than 100 programs a year.

"Story-telling is a different form of entertainment than the theater," Gingerich said. "In theater you're removed from the audience, but with story-telling you have direct contact with the audience. Stories change while theater stays the same," added Gingerich.

"Mountain Ghost Stories" can be ordered through Gingerich at the A.B. Brooks Nature Center, Oglebay Park, Wheeling, WV, 26003 or by calling 242-6855.

Nature Conservancy Acquires Sewell

The West Virginia chapter of The Nature Conservancy has received a 66-acre tract of land located between the boundaries of New River Gorge National River and Babcock State Park from the Westraco Corporation. Included in the tract is the abandoned town of Sewell.

This community once supported a population of 400 through its lumbering, coal-mining and coke-making industries. This last coke oven shut down in 1956 and Sewell's last school and church closed in 1958. By 1972 all residents had left.

The ghost town is in an area that the National Park Service has announced its plans to acquire. But it is also possible that the tract could be included in an expansion of Babcock State Park.

The Nature Conservancy plans to sell the land to the National Park Service for inclusion in the New River Gorge National River. According to Ed Maguire, The Nature Conservancy's state director, proceeds from that sale will be used to protect other West Virginia sites that are ecologically or historically unique.

"The Nature Conservancy has established an impressive record of protecting such areas through its pragmatic and cooperative approach to land conservation," said

Anthony Mollish, Westvaco's Appalachian woodlands manager, said in announcing the gift. "Westvaco is delighted to once again lend them our support."

Maguire said, "Too often we seem to hear nothing but negative reports when it comes to the relationship between conservation organizations and corporate landowners. This latest donation from Westvaco provides an excellent example of how such interests can successfully work together for the protection of a small part of our state's cultural and natural heritage."

(From news stories)

WVHC Membership Categories (Circle One)

Individual

1988 Field Trip Schedule — WV Chapter, The Nature Conservancy

All Trips Open To The Public

The Nature Conservancy is a national conservation organization committed to the preservation of lands containing the best known examples of all components of our natural world. In West Virginia the organization has been

involved in the protection of 30,000 acres of significant lands and maintains 21 nature preserves, all open to the public.

The Conservancy's West Virginia Chapter sponsors field trips each year for members and non-members alike. For additional information about the trips or about becoming a member of The Nature Conservancy, contact: The Nature Conservancy, WV Field Office, P.O. Box 3754, Charleston, WV 25337 — (304) 345-4350.

May 7 — "Super Saturday", with 3 trips scheduled for the same day!!:

Cheat River Canyon Hike: A walk along the Cheat River with Dr. Kenneth Carvell is like entering a time tunnel where the local and natural histories come alive before your very eyes. Dr. Carvell will lead a 4-mile hike on an old RR grade into a panoramic and uninhabited region of the Cheat River canyon in Preston County.

Meet At: 9:30 a.m. on the east end of the Rt. 26 bridge in Albright. Bring a lunch and prepare for a moderately strenuous hike. For details contact Dr. Carvell at 594-2910 or write him at Imperial Woods, Morgantown, WV 26505.

Organization

(continued on page 5)

Family

Reasons to join WVHC

The West Virginia Highlands Conservancy is a private, non-profit environmental organization started in 1967. Its objectives are "to promote, encourage, and work for the conservation - including both preservation and wise use - and appreciation of the scenic, historic, open space, wilderness, and coutdoor recreation resources of an related to West Virginia, and especially the Highlands Region . . ."

Members include people and organizations diverse in their personal interests and professions but united by a common interest. Most WVHC members are West Virginians but many live outside the state.

The Highlands Voice, a monthly 8-page

newspaper, is sent to all Conservancy members. It is filled with environmental news on topics of interest and concern to members as well as articles about trips and outings.

The Conservancy sponsors two special weekends each year. These are usually at some scenic spot in the highlands and feature speakers, outings and board meetings.

Your contribution to WVHC is tax deductible and joining is as simple as filling out this form and returning it to the office in Charleston.

Join today and become part of an active organization dedicated to preserving West Virginia's natural resources.

			*
Senior/Student	12	***	
Regular	15	25	50
Associate	30	50	100
Sustaining	50	100	200
Patron	100	200	400
Mountaineer	200	300	600
Name:			Phone:
Address:			
City/State/Zip			
Make checks payabl Mail to: Suite 201, 12			
Membership Benefits			ginia Highlands Conser-
1-year subscription to The Highlands Voice		vancy is a non-profit organization. You contribution is tax-deductible. Please keep this for your records.	
Special meetings with workshops and speakers		Date	
representation through WVHC's efforts to monitor legislative activity.		Amount	

Birch River Quiet

by Bruce Perrone

It was raining, that sort of early April rain that's more like winter than spring but really isn't either one. We were standing in a field by the Birch River, ignoring the sight of our breaths and pretending we weren't cold, while our canoes and shoes filled up with the rain. I had forgotten the lower half of my rainsuit, so everything that rolled off my top soaked into my bottom. Every passing vehicle that was not the returning shuttle drivers seemed to lower the temperature a couple of degrees. At that point I asked myself, "Why? I knew when I left home it would be like this. Why do I do this?"

The answer was the memory of my previous trip on the Birch. That trip also started in the rain, and I had done a lot of shivering then, too. But what I remembered most was the quiet, removed feeling I had while paddling this river. I knew that today I would warm up when we started paddling, and I knew I would feel again the isolation that wraps around parts of the Birch.

Now, I don't want to overdo this description. On this run between the towns of Birch River and Herold the river has the regrettably usual West Virginia share of trailer camps, old tires, trash and the like. In fact, later during this trip we saw either the breeding ground or the burying ground of all the plastic bottles that ever passed through central West Virginia. So it isn't all untouched wilderness.

Ignoring that, though, the Birch River also slips through narrow ravines of mountainsides too steep for anything but a rhododendron blanket. From a canoe those green walls seem straight up and down, close together, turning left and then right, like some giant version of a formal English labyrinth garden. Every time I've gone through there conversation dies away, canoes drift apart, and everyone absorbs the quiet. That experience was the reason I was standing in the rain today. But first I had to wait for the

rest of the group to get back.

Eventually everyone gathered and we set forth. Putting my head down as I paddled, I noticed the water. Despite all the rain it was a translucent green. Not clear like looking through green glass at an image on the other side, and not impenetrable like looking at a green formica countertop. Instead I looked down through the water and saw only clear green, the way you look at a perfect sky and see only clear blue.

Thinking back now, green is the color of my memory of that entire trip. Everything else seems nondescript, and only the water and rhododendron tint my picture. Green is the way that part of the Birch makes me feel, cool and relaxed, like walking through the forest shade when you know it's hot out in the sun. But I wonder how the Birch River

feels when all of its rhododendron is blooming? I went hiking on Roaring Plains once when all the mountain laurel was in bloom as far as I could see in every direction, and I felt like a bee in a springtime apple orchard. Would the Birch River feel different if I went when the trees had leaves, the rhododendron had blooms, and it wasn't raining?

I awakened from my green water reverie to consider the possibility of a rapids. Especially in the early parts of this run the Birch is fairly tame, but there are enough drops and chutes that you should pay attention to your trip leader, and I wasn't. (I hoped my partner, with whom I'd never paddled before, would forgive my early lapses of concentration). Later in the river, as you can see by the picture, there is some fun to be had on this trip. But the true excitement for the

day came when the out-of-towners from Seattle hung up on a rock in the middle of the river.

Mark and Cindy were unable to float off or around the rock, and soon swamped their boat. They wound up standing waist-deep in the cold water, tugging at their boat to free it. The rest of us immediately headed for shore to be ready to help. Several people pulled out throw ropes and waited as the mid-river pair worked out of their difficulty. Others lit a stove to heat soup, and started a fire to warm the cold, wet duo. Fortunately the Seattleites successfully dumped their boat, and got going before they got too cold. On shore they changed into extra clothes, warmed up, and soon recovered their good spirits. I hope they remember the fun of the earlier rapids as vividly as I am sure they recall the distress of being lodged on that rock.

As we went further down the river, the rocks and boulders grew progressively larger. The rapids changed in character, from broad drops over rocks and ledges to narrow passages between huge obstructions. That made us more cautious, because we couldn't see around the next rock to know what was coming up. We began to be very good about listening to the leader, eddying out after every rapid and waiting for the group to come together. Finally, towards the end of the run the boulders started to get overwhelming. As the current carried us through a small crevice between two vertical faces I decided I understood how a twig feels when thrown out in the stream to float around ordinary rocks.

When the rocks get that big you've reached the end of the Birch River run down to Herold. I've been told that the next few miles also are quite nice, with more exciting rapids, but I haven't done it myself. Maybe some cold, rainy day I'll go back and do that part, too.



Nature Conservancy Field Trips (from page 4)

New River/Babcock State Park: Where in southern West Virginia will you find a winter wren and a Canada warbler singing and nesting — below 750 meters, mind you? The answer is . . . along Manns' Creek gorge within Babcock State Park, of course. Within the shelter of this cool, moist hollow more northern species of birds and plants simply ignore what the books have to say about where they should live. Spend a day exploring this botanically rich cove all the way down to the old ghost town of Sewell along the New River; walking distance is approximately 6 miles of easy grade. Bring a lunch, your binoculars and lots of enthusiasm for an enjoyable day.

Meet At: 10:00 a.m. at the grist mill at Babcock. For details contact trip leader Emily Grafton at 292-0229 or write her at 243 Wagner Rd., Morgantown, 26505.

Smoke Hole Canoe Trip: We're going to try it again. Three dozen hearty canoeists met in April last year to take a trip down the spectacular Smoke Hole canyon on the South Branch of the Potomac River near Petersburg. Unfortunately high water levels forced us to move our trip to the upper Greenbrier River. Undaunted, we're going to try the Smoke Hole again. The 12-mile trip features great wild-flower displays, terrific birding, towering rocky cliffs and interesting geological formations. Due to the abundance of whitewater on this section of the Potomac, the trip is restricted to those with previous experience of running rivers in canoes. Participants are responsible for their own canoes and canoeing partners.

Meet At: 10:00 a.m. at the city park parking lot in downtown Petersburg next to the Rt. 220 bridge.

Note: To help us plan for the vehicle shuttle for this trip we're asking all participants to call the Conservancy's office in Charleston at 345-4350 on May 3, 4, or 5, to let us know if you plan to attend. In the event of too much (or too little)

water, we'll move the trip to some other river in the Petersburg area. And for those coming from long distances, many of us will be camping in the area and will probably canoe some other stream on the next day. For details, call trip leader Ed Maguire at the Conservancy's Charleston, 345-4350

June 11 — Something to "Hoot About":

Hear ye! Hear ye! All Conservancy birders are hereby summond to participate in the 1st annual WV-TNC "Birdathon." There are three terrific areas established for this event. The area which records the most number of species seen or heard will get an honorable mention and big "hoot" in the subsequent issue or our newsletter. So arm yourself with your best binoculars and field guides for the Battle of the Birders! Teams may actually begin at 12:00 a.m. Saturday, June 11, and go until 11:59.999 . . . p.m. that same day—you have a full 24 hours to work. All participants should pre-register with the group leader for their respective area:

Ohio River Valley — Parkersburg Area: Leader - John Blomberg. Phone - 428-2074. Address - 2900 Brookside Circle, Parkersburg, WV 26104.

New River — Bluestone River Drainage Area: Leader -Gary Worthington. Phone - 574-0540. Address - 118 Clark Street, Fayetteville, WV 25840

Eastern Panhandle — Berkeley/Jefferson County: Leader - Jean Neely. Phone - 876-2410. Address - P.O. Box 1091, Shepherdstown, WV 25443.

June 26 - Rock Dome:

Visit The Nature Conservancy's newest West Virginia preserve. Consisting of a large rock outcrop overlooking the South Branch of the Potomac River. This site is home to several interesting plants, including WV's only known popu-

lation of fameflower. If time allows we may take a side trip to nearby Ice Mountain.

Meet At: Noon at the crossroads in downtown Springfield, approximately 9 miles north of Romney on Rt. 28. Trip leader will be Rodney Bartgis. For details, contact the Conservancy's office in Charleston at 345-4350.

August 13 - Arden:

If you have not been to Arden in Barbour County, then you haven't been to one of the most scenic and botanically rich areas in the state. Your leader, Eleanor Bush, has spent several years classifying the plants along this stretch of the Tygart Valley River. She has found nearly 500 species of plants including, stiff aster, Barbara's buttons, Rosa blanda and many other interesting plants.

Meet At: 11:30 a.m. at the Philippi Fire Station on South Main Street. For details contact Eleanor Bush at 457-3460 or write to her at 5 Bush Avenue, Philippi, WV 26416.

September 25 — Dobbins Slashings:

No one will want to miss our trip to beautiful Dolly Sods with a bear as our leader — Charlie Baer that is. The seemingly endless view from Bear Rocks is well worth the trip. We'll visit a sphagnum hob in the midst of an endless rocky heath barren. A highlight of this trip will be a visit to the bird banding station. John Findley will be happy to share his wealth of knowledge and experience acquired from many devoted years to the banding operation held there.

Meet At: 10:30 a.m. at the Bear Rocks parking lot at the northern end of Dolly Sods. For details contact trip leader Charlie Baer at 291-0403 or write to him at Rt. 5, Box 57, Morgantown, WV 26505.

Contaminated Wells:

Groundwater Pollution On The Farm



In January 1988, the U.S. Environmental Protection Agency will launch a two-year, nationwide study of pesticide contamination in groundwater well systems. The survey, covering 1,500 private rural wells and community water systems in forty states, responds to mounting evidence that common agricultural practices, such as spraying pesticides, laying fertilizers and irrigating farmland, are contaminating groundwater supplies.

Groundwater pollution is a particular problem for rural areas of the U.S. and Canada. Ninety-five percent of the rural population in the U.S. relies on groundwater for its drinking water needs. However, recent U.S. government surveys attribute groundwater pollution in 38 states to agricultural activities. All 38 have reported nitrate pollution from fertilizer runoff, 24 have reported bacteria contamination from livestock waste, and 23 have reported at least 21 pesticides in rural drinking wells.

There are also six studies currently under way in Canada to assess to the presence and impact of pesticides in groundwater. Over 25 percent of Canadians depend directly on groundwater for their drinking water supplies.

Groundwater becomes contaminated as farm pollution seeps down through the soil into underground wells. Fertilizers pose a danger to groundwater when they are not completely absorbed by crops or broken down by soil bacteria. Herbicides and pesticides, applied to kill weeds and insects, can penetrate underground water supplies. Tilling can increase contamination because more chemicals leach down through till soil.

Once these chemicals contaminate groundwater, they can pose serious health hazards to rural populations which use underground wells for their drinking water supply. In 1986, a baby died in South Dakota of methemoglobinemia (or "blue baby syndrome"), a rare illness caused by high nitrate levels in the bloodstream. Her family's drinking water had nitrate levels 15 times higher than EPA's standard for drinking water.

Certain pesticides are also known to endanger humans in relatively high exposures. DBCP, a pesticide found in 1985 in almost 2,500 California wells, causes cancer in animals and may cause sterility in human males; EPA has since banned the product. Alachlor, a widely used weed killer, has also been linked to cancer in humans. Canada banned the chemical in 1985.

To combat the groundwater pollution problem in the U.S., federal and state regulators have encouraged farmers to adopt agricultural techniques designed to protect groundwater supplies. One recommendation is that farmers use less water, thereby limiting leaching of harmful chemicals. Others call on farmers to curtail the use of fertilizers and pesticides, to employ them more efficiently and, whenever possible, to use chemicals that are less dangerous. Still others advise better soil and crop selection to minimize chemical usage and seepage into wells.

Many environmentalists are urging farmers to go a step further and eliminate chemical use altogether. Rather than use chemical fertilizers as a source of nitrogen for their crops, farmers are advised to spread farm manure and to overseed their fields with clover and other plants of the legume family which fix nitrogen in the soil for longer periods of time. Similarly, farmers can use "natural" methods to control weeds. They can disrupt the life cycle of the weed by rotating their cash crops, like corn and soybeans, with wheat and other grains. Alternatively, farmers can clear the weeds with rotary hoes, cultivators and other equipment.

Congress and EPA are working jointly to set more safety standards for drinking water supplies. The two-year EPA study of pesticide pollution in rural and community groundwater systems will assist the agency in setting maximum contaminant levels for 60 pesticides in fulfillment of regulatory requirements under the Safe Drinking Water Act of 1986. Legislation now under consideration in Congress proposes to tighten groundwater standards.

In Canada, federal and provincial governments have also made efforts to curtail agricultural pollution, especially in the Great Lakes region. Agriculture Canada and the Ontario government have initiated a \$30-million program to reduce runoff pollution into the Great Lakes.

(From Perspectives, a Canadian Embassy newsletter.)

National Plan To Protect Groundwater Urged

The Environmental Protection Agency called for a national strategy for preventing the contamination of groundwater by pesticides but giving states more say in how it should be done.

The proposed strategy for attacking the pollution problem was announced by EPA Assistant Administrator Jack Moore, who said it would set prevention as the primary goal.

"The actual and potential contamination of our nation's groundwater resources by pesticides poses one of the most critical and difficult environmental concerns of this agency," Moore said in outlining the strategy.

Moore said the plan, apparently triggered by administration efforts to head off bills seeking stonger federal controls, calls for states to take the lead in protecting underground water from contamination.

"What is needed is a cohesive overall national plan that blends the EPA's pesticide registration responsibilities and efforts with local pesticide management by the states," he said. "This strategy is such a plan."

"It sets prevention as its national goal and at the same time establishes a framework in which states can tailor pesticide management measures to specific local groundwater protection needs," he continued.

Moore said that if states did not take the lead in developing plans to protect groundwater, EPA could take steps to limit a pesticide's use.

But he also said it was "too early" to determine what the best approach might be.

"We need to sit down with the state agencies to look at the local problems and what is working," he said.

Announcement of the new strategy followed administration warnings against any legislation calling for stronger federal protection of groundwater, the source of about half the nation's drinking water.

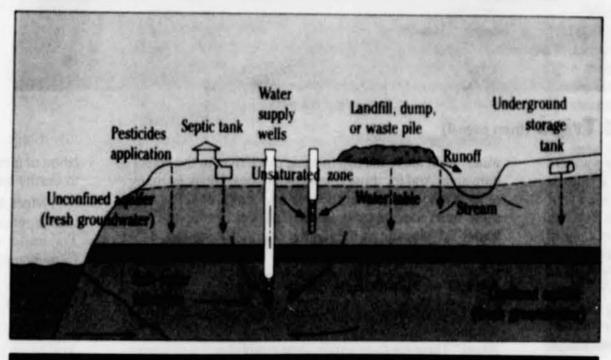
EPA Administrator Lee Thomas said at Senate hearings earlier in the week that he was "ambivalent" on the need for stronger controls. While saying "strong federal role" was needed, Thomas warned Congress against going too far in imposing controls.

An Interior Department official, Assistant Secretary James Ziglar, went further and told senators at the hearing that he saw "no compelling arguments for any new legislation regarding groundwater."

Tougher controls are being urged by environmental groups to prevent the contamination of groundwater by the leaching of pesticides and fertilizers used in agriculture, from leaking underground oil storage tanks, and the dumping of wastes.

(From the Charleston Gazette)

Pathways of Groundwater Contamination



SOURCE: Congress of the United States, Office of Technology Assessment, Protecting the Nation's Groundwater from Contamination: Volume 1, Washington, D.C.: OTA-0-233, October 1984, p. 21.

Flood Control Study

(continued from page 3)

Summary

In summary, preliminary costs and benefits have been estimated for each of the four major alternatives — a combined tributary and headwater reservoir system, local protection projects, a main-stem reservoir, and nonstructural measures. The combined tributary and headwater system and the local protection projects are not economically feasible, because the benefits (damage reduction) are considerably less than project cost. The preliminary economic analysis indicates that a main-stem reservoir is marginally feasible. The main-stem reservoir and nonstructural measures are proposed for further consideration during the remainder of the feasibility study.

Study Completion

The Greenbrier study is currently at the stage where general alternatives have been evaluated and preliminary plans formulated. Following the public workshops, the most feasible plans will be investigated in detail, and refinements made so that the most economically efficient and most environmentally and socially acceptable plans are identified. A draft feasibility report containing a summary of the investigations is scheduled to be completed early in 1989. Public involvement will continue throughout the study. A public meeting will be held following the completion and distribution of the draft report in 1989 so that additional public views can be obtained concerning the investigations and the tentative recommended plan. The feasibility report is scheduled for completion in September 1989.

Project Implementation

If feasibility studies indicate that there are plans in which the Federal Government can participate, the Corps of Engineers can recommend that a flood-protection plan be authorized Congress if there is an acceptable non-Federal sponsor with whom to cost-share. Before such a plan can become a reality, however, it must be authorized and funded by the Congress. There must be a non-Federal sponsor that can cost-share in accordance with applicable Federal laws and regulations.

Legislation to revise cost sharing requirements was passed in October 1986. Before that time, cost-sharing for flooding control had been applicable to only local protection projects. With the passage of this legislation, cost-sharing is now applicable to all flood-control projects including those that have widespread benefits such as a major reservoir.

NEWS BRIEFS

Undercover Operation Catches Bear Poachers

More arrests were expected following a four-year probe into illegal hunting that may have killed more than 25 percent of the black bear population in Shenandoah National Park in Virginia. Four West Virginia men, from Cabell, Pendleton and Pocahontas counties, are among those arrested by agents of the U.S. Fish and Wildlife Service and the West Virginia and Virginia conservation services.

More than 100 adult male and female black bears were killed in the park over a three-year period, according to Anne Haas, a Washington, D.C., spokeswoman for the federal wildlife service. She said the adult population of black bears, the state animal of West Virginia, had

stood at about 400 before the killings began.

Poachers are interested in the hides, worth about \$350 on the black market, and the animals' gall bladders, valued in Korea as an aphrodisiac and sold for \$5,000 each. One of those arrested said he took numerous gall bladders to Korea each year as what he described as gifts,

"The Alaska portion of the investigation is continuing and arrests will be made there," Haas said, "Up there the main illegal activity was guides taking hunters in for what they knew were illegal hunts, some of them from the air.

"We make these busts on a periodic basis as this sort of activity seems to keep springing back," she said. "The arrests are a way to suppress or discourage this sort of illegal activity."

The 12-state investigation uncovered illegal killings of bears, other large game animals and protected birds. Some of the killings were for hides and other animal parts, some was by greedy hunters determined not to go home without a kill.

Many of the killed animals had been shipped to Texas where the large U.S.-Mexico border made it easier to smuggle the contraband out of the country. Each violation is punishable by as much as a five-year prison sentence and a \$250,000 fine.

The Charleston Gazette, February 27, 1988

Contractors Begin Cleanup In McClintic Wildlife Station

POINT PLEASANT — U.S. Army contractors have begun cleanup work at Mason County's McClintic Wildlife Station, part of which is a federal Superfund site.

The wildlife station will remain open during the four-month project, but public access to

specific work areas will be restricted.

The wildlife station, north of Point Pleasant, comprises the majority of the former operating areas of the West Virginia Ordance Works, which was operated by the Army during World War II to produce the explosive trinitrotoluene (TNT). The Ordance Works closed in 1945, and most of the property was decontaminated and released to private ownership. About 2,800 acres of WVOW became the McClintic Wildlife Station.

To clean up and neutralize TNT, the contractors will excavate and flame industrial sewer lines. They will then place a cover of clean soil over contaminated areas. After that, the contractors will excavate, bag and remove asbestos-contaminated soils to a sanitary landfill.

Charleston Gazette, February 27, 1988

Illegal Garbage Dumps Dot State's Landscape

A rusted car, a broken washing machine, wires, plastic and garbage bags lie over the hillside near Ivydale. The garbage is flowing around trees. Part of it is burning.

Clay County runs three illegal dumps; so do Chesapeake, Pennsboro and other West Virginia cities. There are illegal dumps along most roads and in state forests and parks.

State and county officials have almost no power to stop it. "If we close those three dumps down, there'll be 300 more start up the next day," Clay County Commissioner Donald Samples said.

Open dumps are illegal under state and federal law and may be dangerous. Leachate from some dumps leak directly into streams, said Ron Sandy, chief inspector for the state Department of Natural Resources. Many dumps are unsupervised. No one knows what goes in them or what could be in leachate.

"I think it's disgusting," said House Speaker Chuck Chambers, D-Cabell, who has co-sponsored a bill to clean them up.

Sandy estimates the state has 3,000 illegal dumps. Many dumps have been here for years. The reason: West Virginia lacks money and manpower to clean them up.

West Virginia households produce about 4,200 tons of garbage a day, state Solid Waste Disposal Authority Director Sam Colvin said. Almost 15 percent of that, about 600 tons a day. is illegally burned or tossed in open dumps, an authority survey said. It takes a long time to rot. A piece of paper takes three years, said DNR chief litter officer Maxine Scarbro.

Closing illegal dumps in Clay County, Chesapeake, Pennsboro and other towns would only increase dumping somewhere else, DNR officials said. "When you shut down the unpermitted dumps, everybody's going to throw the stuff over the hill," Young said. The state can levy fines up to \$10,000 a day for illegal dumps. Fines are rare because they do not help

clean up dumps, Young said. Chambers and Delegate Michael Buchanan, D-Monongalia, have proposed an omnibus bill that would require garbage collection statewide and would force county recycling programs across the state. The bill would set three new taxes to raise \$3.5 million to fight open dumps and littering. Taxes include \$1 on car registration, doubling business franchise permits to \$30 and an undetermined fast-food tax.

Gov. Arch Moore in December also appointed 55 county recycling directors to study ways to stop littering.

Colvin estimates these programs could help reduce garbage dumping up to 25 percent.

Sunday Gazette-Mail, February 28, 1988

Congressman Critical of Mining Regulators

Rep. Morris K. Udall, D-Ariz., charged recently that the U.S. Office of Surface Mining under Reagan has "created confusion, uncertainty and a regulatory vacuum."

Rep. Nick Joe Rahall, D-W. Va., a member of Udall's committee, announced he will open hearings into West Virginia's enforcement of surface mining law. The hearing will be in Logan, W. Va., on April 25. Rahall expressed special concern about illegal mining in West Virginia and prospecting within the New River Gorge National River.

Udall, chairman of the House Interior Committee, said "the majority of problems which have surfaced during the tenure of this administration have been discovered, not by the agency responsible for overseeing and administering this law, but by the public or Congress."

As he opened the hearings, Udall referred to recent press reports that OSM officials used funds designated for the Abandoned Mine Lands program to hold conferences at resorts. "You've met in such poverty pockets as Hilton Head, S.C., and Reno, Nev.," Udall told Jed Christensen, director of OSM. "You might try meeting sometime in Mr. Rahall's district." Christensen responded by saying that travel is a legitimate use of AMI funds.

Rahall suggested that "increased regulatory efforts in the neighboring states of Kentucky and Virginia have driven . . . abusers and illegal miners out of those states and into West Virginia ... Illegal mining not only harms the environment and the health and safety of our citizens, but it

is done to the detriment of the law-abiding coal producers of West Virginia."

Rahall told the committee he is deeply disturbed by recent reports about OSM's role in a Lincoln County dispute over illegal prospecting by Black Gold of West Virginia. Rahall said memos written by OSM inspector Wayne Dempsey indicate an "apparent OSM effort to distance itself from the controversy." Christensen replied, "OSM's West Virginia field office has been on top of this since it broke last November."

Rahall also asked Christensen about an investigation Rahall requested into successive permit applications by James Laurita Sr. and his son to strip land owned by the West Virginia University Foundation. Laurita Sr. withdrew a permit application after disclosures that he abandoned mines in Pennsylvania without reclaiming them. Subsequently, his son applied for

another permit using a different name.

Rahall told Christensen, "It is my understanding that [your investigator] has done almost nothing to investigate the connections of Mr. Laurita Sr. in Pennsylvania." Christensen said "There is some information in recent days that is encouraging to show some links between Laurita Jr. and Laurita Sr."

Rahall then criticized prospect mining inside the New River Gorge. "Recently, the West Virginia DOE issued a coal prospecting permit within [its] boundaries. . . . We are now faced with the possibility that a full-blown surface coal mine may be permitted within a unit of the national park system.

Finally, Rahall blasted the DOE for falling behind neighboring states in earmarking federal AML funds for reclamation projects. The DOE has obligated only 11 percent of its 1986 federa grant for reclamation work. But Virginia has obligated 76 percent of its grant and Kentucky 56 percent, Rahall said.

The Charleston Gazette, February 27, 1988

DOE Granted Permit Despite Inspector's Warning

Two weeks before Christmas, the Department of Energy granted Meghan Coal Co. permission to strip 25,000 tons of coal from an isolated Clay County mountain, near Lizemores. Two DOE inspectors warned that nearby aquatic life could be killed. DOE permit supervisor Charles Grafton ignored them.

"Just because an inspector has an opinion on something, we don't have to agree with that opinion," DOE lawyer George Piper said. "We would not always accept what an inspector

said. But we would consider it.

Morgantown lawyer Thomas W. Rodd said he plans to take a close look at Meghan's mine. Normally, federal law limits prospect mining to less than 250 tons of coal, to be used for test purposes only.

In April, Rodd won a suit to prohibit DOE from handing out "excess tonnage" prospect permits to almost anyone who applied. Meghan's is only the second excess tonnage permit issued in the last nine months. The "coal will be exported to Japan where it will be tested," states Meghan's application.

Joe Idelman, a member of DOE's permit review team in Oak Hill, identified several potential problems in an internal memo dated Dec. 3. Iron and manganese in the soil and rocks above the coal seam could cause "serious degradation of the receiving streams and harm to and loss of all aquatic life," Idelman wrote.

Idelman called Meghan's 15-acre operation a "small surface mine."

DOE inspector Russell Keaton also cautioned his superiors about the Meghan operation. In two internal memos, Keaton stated acid water is still pouring off two unreclaimed mines adjacent to the prospecting site.

Prospect approvals save coal operators money. Prospect applications are short. They cost less than \$1,500 to complete. Normal stripping permits cost between \$20,000 and \$40,000 to fill out. Reclamation bonds for prospect mines, moreover, cost \$500 an acre. Regular surface mine bonds cost \$1,000 an acre.

Sunday Gazette-Mail, February 28, 1988

SOM To Oppose Coal Firm

Save Our Mountains, a Lincoln County organization that helped keep strip mining out of the county 10 years ago, has been reborn.

P&C Coal obtained a permit to strip at the southern end of Lincoln County six months ago. Activists now want to keep Black Gold of West Virginia Inc. from getting permits to strip in the center of the county near Branchland. Delbert Burchett, a bankrupt coal operator owing millions of dollars in loans, back taxes and fines, is an adviser to Black Gold and a friend of owner Sandra Perry.

Spring Review April 15 - 17 Cass, West Virginia

We're returning to Cass Scenic Railroad State Park in Pocahontas County. Cross the railroad tracks in Cass, turn left, and look for WVHC signs and the Cass Community Center. The Conservancy has again reserved several of the restored company houses and the Community Building right in the center of Cass.

When we receive your reservation form, we will return a cabin assignment for your convenience. Friday dinner is up to you. Restaurant facilities are not open in Cass in the evenings. However, each house has a fully equipped kitchen, if you wish to bring your own groceries. Otherwise, there are restaurants on Rt. 28 north of the Cass Road.

For Friday evening bring any slides or movies which you think might interest the group. Projectors will be provided.

Rivers Workshop

The newly formed education committee of the WVHC will be sponsoring a series of educational workshops for its own members, and anyone else who is interested in staying abreast of the new information about conservation issues. The theme of the first of these workshops, to be offered in conjunction with the spring review, will be "Our West Virginia Rivers." Mr. Glen Eugster of the National Park Service will discuss an important planning process that has been successfully used in other parts of the country.

Average temperature at Cass, W. Va. on April 15-17: High: 50° Morning Low: 28-33°

Program:

All activities will be held at the Cass Community Building.

Friday, April 15, 1986

4:00-11:00 P.M. - Registration

8:00 P.M. - Slides and movies

9:00 P.M. - WVHC Committee Meetings

9:00 P.M. - Social Hour

Saturday, April 16, 1988

6:30 A.M. - Bird Walk

8:00 A.M. - Breakfast

9:15-5:00 P.M. - Rivers Workshop**
- Canoe Trip

- Nature Walk lead by Fred Fromhart

6:00 P.M. - Dinner

7:15 P.M. - Speaker: Glen Eugster

"River Conservation projects in West Virginia"

9:00 P.M. - Old time music and square dance

Sunday, April 17, 1988

8:00 A.M. - Breakfast

9:00 A.M. - Board of Directors Meeting

12:30 P.M. - Lunch

Finding Cass

Cass Scenic Railroad State Park is located off State Route 28 between Dunmore and Green Bank in Pocahontas County in eastern West Virginia.

Other Accommodations

- The Boyer Motel (10 miles NE) Boyer Campground, Tel: (304) 456-4667
- The Harris House (7 miles NE) Tel: (304) 456-4105.
 Moore's Lodge (3 miles SW) Tel: (304) 456-4721
- 4. Shay Inn (Cass, W. Va.) Tel: (304) 456-4652
- 5. Whittaker Campground (2 miles) Tel: (304) 456-3218



Registration Form

Deadlines: Lodging April 1; Meals April 1

Address			
duless			
		Phone	ALTO A MILL
Registration Fee: \$3/a			\$
ODGING - CAS		HOUSES	of the party
Friday:	\$10.80 x	= \$	
Saturday	\$10.80 x	= \$	
(Children under 12 CAMPING	are free; bedding &	towels are provided	
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All meals	(\$21 adults) x	5	
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Individual meals:	(*		
Saturday	100 - 1 11 1		
Breakfast		= \$	
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Sunday Breakfast	(\$2 adulta) v	- 6	
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CHILD CARE	(as crind) x _		
Fee: \$2.00/hour			
Hours available:	5 P.M. and 7 P.M. t	to 12 P.M.; Sunday 9	A.M. to 12 P.M.
Sat. 9-5 8 hrs x \$			
Sat. 7-12 5 hrs x \$	x	children = \$	A SHEET HAD IN
Sun. 9-12 3 hrs x \$.	x	children = \$	120 301 111
Children's names a	and ages		
		TOTAL ENCLOS	ED = \$
OUTING PREFER	RENCE:		
Rivers Workshop		Nature Hike	Conce To

Activities:

reservation forms.

Saturday, April 16, 1988

Rivers Workshop:

Saturday, Glen Eugster, Chief of the Division of Park and Resource Planning of the National Park Service, will present a workshop on effective state and local river conservation planning processes. We will learn planning methods that have resulted in successful implementation of river conservation programs in other parts of the country.

Outings:

- 1. Before breakfast bird hike lead by Gary Worthington.
- 2. Canoe trip down the Greenbrier River if water level permits.
- 3. Nature Hike in Cass area lead by Fred Fromhart.