

**Alliance of Downriver Watersheds  
Technical Committee and Public Education Committee**

**Budget Recommendations**

**March 2007**

**Introduction**

The Alliance of Downriver Watersheds (ADW) established two subcommittees to develop budget recommendations for the full ADW committee to consider. The first committee was a Technical Committee whose charge was to develop budget recommendations for the Illicit Discharge Elimination Program (IDEP) activities and the Progress Evaluation Monitoring. The second committee was the Public Education Committee whose charge was to develop budget recommendations for the Public Education Plan (PEP) activities.

**Background**

Included in the ADW formation and by-laws acceptance package was a hypothetical first budget for the ADW (see Attachment 1). Starting with this format and framework the Technical and PE committees re-evaluated the proposed expenditures and discussed the opportunities that Clean Michigan Initiative (CMI) grants awarded to Wayne County could have on the ADW budget and work activities. The two grants Wayne County has are an existing CMI - Illicit Connection Elimination Project #2002-0226 and recently announced CMI Non-Point Source Grow Zone Project #2006-0137. As a result of the committee deliberations, the following recommendations have been developed.

**General Recommendations:**

- 1) The ADW's first budget should be approved and implemented as a 2 - year scope of work. Budget time frame is approximately May 1, 2007 – May 1, 2009 (see Attachment 2).
- 2) ADW should take advantage of Wayne County's CMI grants and leverage ADW budget activities with the scope of work and budget available through the CMI grants.

**Activity Recommendations:**

**IDEP 1: Staff Training:**

- 1) Approve budget as presented.
- 2) Form an ADW subcommittee to develop a more detailed strategy and budget for a 2 session IDEP staff training. Session 1 - classroom style (WCDOE standard program); 2 - field/equipment training exercise.
- 3) Implement ADW's first IDEP Staff Training in late winter/early spring 2008.

**IDEP 3: Problem Area Identification:**

- 1) Budget as presented should be approved
- 2) Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accomplish ADW Water Chemistry field reconnaissance.
- 3) Authorization is contingent upon sites and parameters being accepted by ADW Technical Committee. Currently it is anticipated that 32 sites across the ADW area will be monitored 5 times each within a 30-day period.
- 4) Field work must occur between May 2007 and December 2007.

Public Education Program – PEP1-11:

- 1) Budget as presented should be approved.
- 2) Wayne County should be authorized to proceed with CMI Grow Zone grant negotiations with MDEQ to accommodate ADW involvement.
- 3) Authorization is conditioned upon the ADW Public Education Committee being involved in the final planning and implementation of each funded PEP line item activity.

Progress Evaluation Monitoring - Monitoring 1 – 6:

- 1) Budget as presented should be approved and Wayne County should be authorized to proceed with CMI Grow Zone grant negotiations with MDEQ to accomplish ADW budget activities and financial involvement.
- 2) Authorization is contingent upon ADW Technical Committee being involved and accepting final monitoring activities.
- 3) Monitoring Planning funds (Monitoring 6) should be combined with Watershed Facilitation funding for purposes of the facilitation services request for proposal (RFP) and the RFP committee should be formed as quickly as possible.
- 4) The monitoring program should consist of an annual base program and a rotating roving program that each watershed advisory group can customize (within budget limitations) to meet their progress evaluation objectives.

Attachment 3 provides the latest versions of the discussion worksheets that the Technical and Public Education committees used, and are using, to facilitate their discussions. These worksheets provide additional information relative to the above recommendations and identify recommendations, ideas or issues for future committee discussion and action.

**ATTACHMENT 1:**

**ADW Formation and By-laws Acceptance Package Budget**

**APPENDIX C: 2006 ADW BUDGET  
ALLIANCE OF DOWNRIVER WATERSHEDS  
FINAL: 26 JUNE 06**

SWPPI Activity	Total Compliance Value	Grant (3) Funds	Wayne County In-Kind Services	Alliance Cost
<b>IDEP</b>				
IDEP 1: Staff Training	\$ 5,800	\$ -	\$ -	\$ 5,800
IDEP 2: County-Based Complaint Response (2)	WC permit compliance	\$ -	WC permit compliance	\$ -
IDEP 3: Problem Area Identification (2)	\$ -	\$ -	\$ -	\$ -
IDEP 4: Advanced Investigations (2)	\$ -	\$ -	\$ -	\$ -
IDEP 5: Onsite Sewage Disposal System	WC permit compliance	\$ -	WC permit compliance	\$ -
<b>Activity Category Subtotals</b>		\$ -	\$ -	\$ 5,800
<b>PEP</b>				
PEP 1: Distribute pollution prevention literature	\$ 9,796	\$ -	\$ -	\$ 9,796
PEP 2: Displays - Events & Static	WC permit compliance	\$ -	WC permit compliance	\$ -
PEP 3: Environmental Hotline Promotion	WC permit compliance	\$ -	WC permit compliance	See Advertising
PEP 4: Advertisements	\$ 32,200	\$ 25,000	\$ -	\$ 7,200
PEP 5: Fertilizer Point of Sale	WC permit compliance	\$ -	WC permit compliance	\$ -
PEP 6: Workshops & Demonstration Projects	WC permit compliance	\$ -	WC permit compliance	\$ -
PEP 7: Technical Advisory Committees	WC permit compliance	\$ -	WC permit compliance	\$ -
PEP 8: River Day	WC permit compliance	\$ -	WC permit compliance	\$ -
PEP 9: Volunteer Monitoring	\$ -	See Monit 2	WC permit compliance	\$ -
PEP 10: System Labelling/Signage	\$ 1,600	\$ -	WC permit compliance	\$ 1,600
PEP 11: SE Michigan Partners Coordination	WC permit compliance	\$ -	WC permit compliance	\$ -
<b>Activity Category Subtotals</b>		\$ 25,000	\$ -	\$ 18,596
<b>Progress Evaluation Monitoring</b>				
Monit 1: Physical (1)	\$ 98,663		IKS	\$ 98,663
Monit 2: Biological	\$ 24,029		IKS	\$ 24,029
Monit 3: Water Chemistry	\$ 54,000		IKS	\$ 54,000
Monit 4: Social Survey	Not in 1st year		\$ -	\$ -
Monit 5: Data Handling & Analysis	\$ 23,200		IKS	\$ 23,200
Monit 6: Monitoring Planning	\$ 21,600		IKS	\$ 21,600
<b>Activity Category Subtotals</b>		\$ -	\$ -	\$ 221,492
<b>Planning &amp; Reporting (Watershed Facilitation)</b>				
WF 1: General Facilitation	\$ 29,800			\$ 29,800
WF 2: Website maintenance	\$ 1,310			\$ 1,310
WF 3: Watershed Data maintenance	\$ -		IKS	\$ -
WF 4: Annual Report Sections	\$ 5,180			\$ 5,180
WF 5: Grant Application Writing	\$ 18,180			\$ 18,180
<b>Activity Category Subtotals</b>		\$ -	\$ -	\$ 54,470
<b>Pollution Prevention/Watershed Management Activities</b>				
Funds for Watershed-specific activities	\$ 30,000			\$ 30,000
Post Construction SW Mgt - New and Redevelopment	WC permit compliance	\$ -	WC permit compliance	\$ -
Soil Erosion Sedimentation Control	\$ -	\$ -	WC permit compliance	\$ -
<b>Activity Category Subtotals</b>				\$ 30,000
<b>Grand Total</b>	<b>\$ 1,005,358</b>	<b>\$ 25,000</b>	<b>\$ 650,000</b>	<b>\$ 330,358</b>

2%

6%

67%

16%

9%

- (1) Includes installation of 3 new flow monitoring sites (\$45k); these one time costs would NOT be repeated in succeeding years
- (2) Wayne County has a grant in hand to complete IDEP work in the downriver area and has been working with individual communities (6 of 24) to conduct IDEP services for their SWPPI. There are still funds unallocated which could be used watershed-wide OR within individual communities.
- (3) Existing grant in Rouge watershed

**ATTACHMENT 2:**  
**Recommended 2-Year Budget**

**ALLIANCE OF DOWNRIVER WATERSHEDS**  
**2 - Year Budget**  
**May 2007 - May 2009**

SWPPI Activity	Total Cost	CMI Grants	Wayne County Permit Compliance Funds*	Alliance Cost Local Match
<b>IDEP</b>				
IDEP 1: Staff Training	\$ 5,800	\$ -	\$ -	\$ 5,800
IDEP 2: County-Based Complaint Response		\$ -		\$ -
IDEP 3: Problem Area Identification *	\$ 95,294	\$ 41,294		\$ 54,000
IDEP 4: Advanced Investigations	\$ -	\$ -		\$ -
IDEP 5: Onsite Sewage Disposal System	\$ -	\$ -		\$ -
<b>Activity Category Subtotals</b>	<b>\$ 101,094</b>	<b>\$ 41,294</b>	<b>\$ -</b>	<b>\$ 59,800</b>
<b>PEP</b>				
PEP 1: Distribute pollution prevention literature	\$ 12,250	\$ 5,000	\$ 2,250	\$ 5,000
PEP 2: Displays - Events & Static	\$ -	\$ -		\$ -
PEP 3: Environmental Hotline Promotion	\$ -	\$ -		\$ -
PEP 4: Advertisements - GreenInfrastructure Marketing	\$ -	\$ -		\$ -
PEP 5: Fertilizer Point of Sale	\$ -	\$ -		\$ -
PEP 6: Workshops & Projects - GZ Sites	\$ 91,100	\$ 48,000	\$ 21,600	\$ 21,500
PEP 7: Technical Advisory Committees	\$ 6,125	\$ 2,500	\$ 1,125	\$ 2,500
PEP 8: River Day	\$ -	\$ -		\$ -
PEP 9: Volunteer Monitoring	\$ -	See Monit 1, 2, 5, 6		\$ -
PEP 10: System Labelling/Signage	\$ 9,800	\$ 4,000	\$ 1,800	\$ 4,000
PEP 11: SE Michigan Partners Coordination	\$ -	\$ -		\$ -
<b>Activity Category Subtotals</b>	<b>\$ 119,275</b>	<b>\$ 59,500</b>	<b>\$ 26,775</b>	<b>\$ 33,000</b>
<b>Progress Evaluation Monitoring</b>				
Monit 1: Physical	\$ 160,350	\$ 43,000	\$ 19,350	\$ 98,000
Monit 2: Biological	\$ 49,000	\$ 20,000	\$ 9,000	\$ 20,000
Monit 3: Water Chemistry				
Monit 4: Social Survey	Not in 1st year			\$ -
Monit 5: Data Handling & Analysis	\$ 52,200	\$ 20,000	\$ 9,000	\$ 23,200
Monit 6: Monitoring Planning	\$ 50,600	\$ 20,000	\$ 9,000	\$ 21,600
<b>Activity Category Subtotals</b>	<b>\$ 312,150</b>	<b>\$ 103,000</b>	<b>\$ 46,350</b>	<b>\$ 162,800</b>
<b>Planning &amp; Reporting (Watershed Facilitation)</b>				
WF 1: General Facilitation	\$ 29,800	\$ -		\$ 29,800
WF 2: Website maintenance	\$ 1,310	\$ -		\$ 1,310
WF 3: Watershed Data maintenance	\$ -	\$ -		\$ -
WF 4: Annual Report Sections	\$ 5,180	\$ -		\$ 5,180
WF 5: Grant Application Writing	\$ 18,180	\$ -		\$ 18,180
<b>Activity Category Subtotals</b>	<b>\$ 54,470</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54,470</b>
<b>Pollution Prevention/Watershed Management Activities</b>				
Funds for Watershed-specific activities	\$ 20,288			\$ 20,288
Post Construction SW Mgt - New and Redevelopment		\$ -	WC permit compliance	\$ -
Soil Erosion Sedimentation Control		\$ -	WC permit compliance	\$ -
<b>Activity Category Subtotals</b>				<b>\$ 20,288</b>
<b>Grand Total</b>	<b>\$ 586,989</b>	<b>\$ 203,794</b>	<b>\$ 73,125</b>	<b>\$ 330,358</b>

\* Only identifies Wayne County funds required to match Clean Michigan Initiative grants being leveraged by ADW funds and implemented as ADW budget activities.

**ATTACHMENT 3:**

**Committee Discussion Worksheets**

**ALLIANCE OF DOWNRIVER WATERSHEDS  
 IDEP Budget  
 DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>IDEP</b>					
IDEP 1: Staff Training	\$ 5,800	\$ -	\$ -	\$ 5,800	\$ 5,800
IDEP 2: County-Based Complaint Response		\$ -		\$ -	\$ -
IDEP 3: Problem Area Identification	\$ 95,294	\$ 41,294	See Monit 3	\$ 54,000	\$ -
IDEP 4: Advanced Investigations	\$ -	\$ -		\$ -	\$ -
IDEP 5: Onsite Sewage Disposal System	\$ -	\$ -		\$ -	\$ -
<b>Activity Category Subtotals</b>	<b>\$ 101,094</b>	<b>\$ 41,294</b>	<b>\$ -</b>	<b>\$ 59,800</b>	<b>\$ 5,800</b>

**IDEP 1: Staff Training**

Original cost estimate based on Wayne County providing up to 2 IDEP Training Workshops for the ADW Community staff

New Ideas??

Technical Committee Recommendation(s):

**IDEP 3: Problem Area Identification**

Original \$54,000 budget estimate was for DO & Temperature @ 6 sites 15 minute data collected by USGS

Wayne County is currently under CMI contract to perform IDEP work in Downriver Watersheds.

From the grant it appears that over \$41,000 is available to perform work consistent with IDEP 3: Problem Area Identification and Monit 3:Water Chemistry.

Basic idea would be to perform in stream dry-weather grab sampling at locations that would at first help prioritize areas for Advanced IDEP Investigations but also serve as locations for monitoring long-term water chemistry trends.

Technical Committee Recommended Parameters are

- 1)
- 2)
- 3)
- 4)

Technical Committee Recommended Service Provider(s):

Anticipated/Recommended Budget Timeframe:

**ALLIANCE OF DOWNRIVER WATERSHEDS  
IDEP Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>IDEP</b>					
IDEP 1: Staff Training	\$ 5,800	\$ -	\$ -	\$ 5,800	\$ 5,800
IDEP 2: County-Based Complaint Response		\$ -		\$ -	\$ -

**IDEP 1: Staff Training**

Original cost estimate based on Wayne County providing up to 2 IDEP Training Workshops for the ADW Community staff

New Ideas??

- 1) Revise standard training to develop a field exercise for attendees
- 2) Issue equal number of vouchers to ADW members for free attendance at WCDOE's annual IDEP training
- 3) Identify and purchase IDEP equipment that could be shared among the ADW members. Examples including monitoring equipment and GPS equipment

**IDEP 2: County-Based Complaint Response**

New Ideas??

- 1) In lieu of training utilize funding for ADW members to promote the use of County-based complaint response hotline. Options include printing and distribution of hotline brochures, magnets, notepads, misc other promotional items; Local Access Cable Ads/PSA's; Newsletter articles and/or ads.

**Findings:**

- 1) Wayne County has equipment that can be loaned to local communities and/or deployed by the County for the local community.
- 2) The demand for IDEP training has decreased dramatically.
- 3) Current IDEP training fee (\$75) is only recouping about 50% of the total costs of Wayne County for conducting the IDEP training.

**Budget Recommendations:**

- 1) Approve budget as presented
- 2) Form a ADW subcommittee to develop a more detailed strategy and budget for a 2 session IDEP staff training. Session 1 - classroom style (WCDOE standard program); 2 - field/equipment training exercise
- 3) Implement ADW IDEP training in late winter/early spring 2008.

**Future IDEP Collaboration Activities:**

Purchase of hand-held GPS units with standard data form/logging program for sharing between ADW field crews.  
Public Access Cable PSA's encouraging reporting of suspicious discharges  
Distribution of IDEP training video

Anticipated/Recommended Budget Timeframe:

**ALLIANCE OF DOWNRIVER WATERSHEDS  
IDEP Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>IDEP</b>					
IDEP 3: Problem Area Identification	\$ 95,294	\$ 41,294	See Monit 3	\$ 54,000	\$ -
<b>Activity Category Subtotals</b>	<b>\$ 95,294</b>	<b>\$ 41,294</b>	<b>\$ -</b>	<b>\$ 54,000</b>	<b>\$ -</b>

**IDEP 3: Problem Area Identification**

Basic idea would be to perform in stream dry-weather grab sampling at locations that would at first help prioritize areas for Advanced IDEP Investigations but also serve as locations for monitoring long-term water chemistry trends.

32 sites will be sampled a minimum of 5 times each within a 30 day period across the Alliance area.

**Recommendations:**

- 1) Budget as presented should be approved
- 2) Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accomplish ADW involvement.
- 3) Authorization is contingent upon sites and parameters being accepted by ADW Technical Committee
- 4) Activity implementation must occur between May - December 2007.

**Recommended Parameters are:**

- 1) Dissolved Oxygen (DO)
- 2) E. Coli
- 3) Total Suspended Solids
- 4) Total Phosphorus

32 Sites monitoring 5 times each within a 30 day period during dry weather

**ALLIANCE OF DOWNRIVER WATERSHEDS  
 IDEP Budget  
 DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>IDEP</b>					
IDEP 4: Advanced Investigations	\$ -	\$ -		\$ -	\$ -
<b>Activity Category Subtotals</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>

**IDEP 4: Advanced Investigations**

**Recommendations: (For Discussion Purposes)**

- 1) After first cycle of roving monitoring funding not applied to monitoring could be utilized to bolster Advanced Investigations
- 2) Wayne County and ADW should work together to identify potential long-term funding strategies for a routine advanced investigation activities (ie. Dye-testing) in the ADW watersheds.

Anticipated/Recommended Budget Timeframe:

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 1: Physical	\$ 160,350	\$ 43,000	\$ 19,350	\$ 98,000	\$ 98,663
Monit 2: Biological	\$ 49,000	\$ 20,000	\$ 9,000	\$ 20,000	\$ 24,029
Monit 3: Water Chemistry*	\$ 95,294	\$ 41,294	see IDEP 3	\$ 54,000	\$ 54,000
Monit 4: Social Survey	Not in 1st year			\$ -	\$ -
Monit 5: Data Handling & Analysis	\$ 52,200	\$ 20,000	\$ 9,000	\$ 23,200	\$ 23,200
Monit 6: Monitoring Planning	\$ 50,600	\$ 20,000	\$ 9,000	\$ 21,600	\$ 21,600
<b>Activity Category Subtotals</b>	<b>\$ 407,444</b>	<b>\$ 144,294</b>	<b>\$ 46,350</b>	<b>\$ 216,800</b>	<b>\$ 221,492</b>

\* Activity is same as IDEP 3

**Monit 1: Physical**

Original budget included a one time set up cost of \$45000 and a 1 year operation (approximately \$36000) for 3 USGS flow stations as well as funding for volunteer stream classification survey work

To Integrate CMI Grow Zone budget we are suggesting increasing this budget to include additional physical monitoring - ideas include imagery conversion for GreenInfrastructure analysis, more \$ for stream survey work, funding for precipitation monitoring, alternative flow monitoring techniques consistent with Grow Zone Project Evaluation QAPP.

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers will include Stream Teams, Huron River Watershed Council, Wayne County, maybe USGS, maybe FODR

**Monit 2: Biological**

Original budget was estimated based on supporting Stream Team Bug Hunts

To Integrate CMI Grow Zone grant we are suggesting increasing budget to expand Bug Hunts sites as well as potentially add additional biological indicator monitoring consistent with Grow Zone Project Evaluation QAPP

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers will include Stream Teams, Huron River Watershed Council, Wayne County, maybe USGS, maybe FODR

**Monit 3: Water Chemistry\***

see discussion worksheet for IDEP Category: IDEP 3 Problem Area Identification

**Monit 5: Data Handling & Analysis**

Original budget was for approximately 20 hours per month of GIS/Data management staff support to create ADW data management protocols and database tools

To Integrate CMI Grow Zone budget we are suggesting this budget could/should increase.

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers may include Huron River Watershed Council, Wayne County, private co

**Monit 6: Monitoring Planning**

Original budget was for approximately 18 hours per month of management staff support to create support detailed monitoring planning, potentially procure/manage contractors, prepare SOPs

To Integrate CMI Grow Zone budget we are suggesting this budget could/should increase.

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers may include Huron River Watershed Council, Wayne County, private co

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

Progress Evaluation Monitoring Budget	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 1: Physical	\$ 160,350	\$ 43,000	\$ 19,350	\$ 98,000	\$ 98,663
<b>Activity Category Subtotals</b>	<b>\$ 160,350</b>	<b>\$ 43,000</b>	<b>\$ 19,350</b>	<b>\$ 98,000</b>	<b>\$ 98,663</b>

**Monit 1: Physical**

Original budget included a one time set up cost of \$45000 and a 1 year operation (approximately \$36000) for 3 USGS flow stations as well as funding for volunteer stream classification survey work

To Integrate CMI Grow Zone budget we are suggesting increasing this budget to include additional physical monitoring consistent with Grow Zone Project Evaluation QAPP ideas include imagery conversic for GreenInfrastructure analysis, more \$ for stream survey work, funding for precipitation monitoring, alternative flow monitoring techniques .

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers will include Stream Teams, Huron River Watershed Council, Wayne County, maybe USGS, maybe FODR

**Findings:**

- 1) Because of geography and hydrology it is highly doubtful that 3 USGS would be adequate to monitor flow.
- 2) More than 3 USGS stations becomes cost prohibitive both in terms of initial set up & then ongoing operation.
- 3) HRWC has had success with manually downloaded data loggers for flow studies performed in other areas of the Huron River.
- 4) *The Natural Resources Conservation Service, historically, and the Center for Watershed Protection, more recently, have deemed forest cover to be the best use of land for water storage, recharge, runoff reduction, pollutant reduction, and habitat. Tom Schuler, director of watershed research and practice for the Center, sees percent forest cover -- rather than impervious surface -- as a leading indicator of watershed health. - Storm Water Journal July/Aug 2006*

**Budget Recommendations:**

- 1) Budget as presented should be approved and Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accommodate ADW involvement.
- 2) Authorization is contingent upon ADW Technical Committee being involved and accepting final Physical monitoring activities

**Recommendations: (For Future Discussion Purposes)**

- 3) Establish a "fixed" baseline program of 6 manually downloaded flow, temperature and dissolved oxygen stations (2 in each watershed)
- 4) Purchase equipment for up to 4 additional flow/Temp/DO stations and utilize them initially as part of Grow Zone performance monitoring and then as annual 3 year skip 3 years roving program.
- 5) Pursue grant funding over time to finance establishment of USGS stations if HRWC method proves inadequate
- 6) Data collection to be performed as part of Grow Zone Site Integrity Monitoring
- 7) Contract for 2005 Imagery conversion into GreenInfrastructure data set for monitoring, public education, planning and storm water financing.
- 8) Beyond 2008/09 annual physical monitoring budget would be \$50,000 - \$60,000 per year.

PRELIMINARY Recommended Physical Parameters:	Data Collector	Collection Cost	Data Management Cost	2007/08 Set Up	2008/09 Implementation
Precipitation	WCDOE - FMD	No	Yes - minimal	\$ -	\$ in data handling
Flow (up to 10 sites)	HRWC/WCDOE	Yes	Yes	\$ 10,000	TBD
Temperature & Dissolved Oxygen (DO) (up to 10 sites)	HRWC/WCDOE	Yes	Yes	\$ 15,000	TBD
Site Integrity & Physical Habitat Surveys (10 - 20 sites)	HRWC/Stream Teams/WCDOE	No - piggy back w/ Bugs	Yes	\$ -	TBD
Geomorphology (site determined by MDEQ)	MDEQ	No	Yes - minimal	\$ -	\$ -
Land Cover - Green Infrastructure & Imperviousness (Urban Ecosystem Ar	WCDOE	Yes	Yes	\$ 38,000	\$ in data analysis
				\$63,000	\$97,350
				<b>Total 2 yr Physical Monitoring</b>	<b>\$160,350</b>

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 2: Biological	\$ 49,000	\$ 20,000	\$ 9,000	\$ 20,000	\$ 24,029
<b>Activity Category Subtotals</b>	<b>\$ 49,000</b>	<b>\$ 20,000</b>	<b>\$ 9,000</b>	<b>\$ 20,000</b>	<b>\$ 24,029</b>

**Monit 2: Biological**

Original budget was estimated based on supporting Stream Team Bug Hunts

**Budget Recommendation:**

1) Budget as presented should be approved and Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accommodate ADW involvement.

**Recommendations: (For Discussion Purposes)**

- 2) Utilize existing bug hunt sites established by HRWC, Stream Teams and WCDOE and expand upon them through the Grow Zone grant and ADW funding.
- 3) Utilize appropriate existing sites to establish riparian corridor grow zone sites.
- 4) Utilize existing sites as either base or roving physical monitoring locations if appropriate.
- 5) ADW authorization contingent upon ADW Technical Committee reviewing and accepting final sites.
- 6) Beyond 2008/09 annual biological monitoring budget would be approximatel \$15,000 - \$20,000 per year.

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 4: Social Survey	Not in 1st year			\$ -	\$ -
<b>Activity Category Subtotals</b>	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Monit 4: Social Survey</b>					

**Recommendations: (For Discussion Purposes)**

- 1) ADW should financially participate in next SEMCOG Regional PE survey but not until at least 2009

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 5: Data Handling & Analysis	\$ 52,200	\$ 20,000	\$ 9,000	\$ 23,200	\$ 23,200
<b>Activity Category Subtotals</b>	<b>\$ 52,200</b>	<b>\$ 20,000</b>	<b>\$ 9,000</b>	<b>\$ 23,200</b>	<b>\$ 23,200</b>

**Monit 5: Data Handling & Analysis**

Original budget was for approximately 20 hours per month of GIS/Data management staff support to create ADW data management protocols and database tools

To Integrate CMI Grow Zone budget we are suggesting this budget could/should increase.

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers may include Huron River Watershed Council, Wayne County, private co

**Budget Recommendation:**

1) Budget as presented should be approved and Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accommodate ADW involvement.

**Recommendations: (For Discussion Purposes)**

2) RFP needs to be developed to secure contractor services for data handling & analysis.

3) HRWC and WCDOE should be potential contractors

4) ADW should consider combining resources with Rouge Alliance for a portion of the data system management design and implementation

**ALLIANCE OF DOWNRIVER WATERSHEDS  
Progress Evaluation Monitoring Budget  
DISCUSSION WORKSHEET**

SWPPI Activity	Total Cost	CMI Grants	WC Permit Compliance (WC General permit Funds)	Alliance Cost Local Match	Alliance By Laws Strawdog Budget
<b>Progress Evaluation Monitoring</b>					
Monit 6: Monitoring Planning	\$ 50,600	\$ 20,000	\$ 9,000	\$ 21,600	\$ 21,600
<b>Activity Category Subtotals</b>	<b>\$ 50,600</b>	<b>\$ 20,000</b>	<b>\$ 9,000</b>	<b>\$ 21,600</b>	<b>\$ 21,600</b>

**Monit 6: Monitoring Planning**

Original budget was for approximately 18 hours per month of management staff support to create support detailed monitoring planning, potentially procure/manage contractors, prepare SOPs

To Integrate CMI Grow Zone budget we are suggesting this budget could/should increase.

Tech Committee will really need to spend some time discussing this to develop recommendations. It is anticipated that service providers may include Huron River Watershed Council, Wayne County, private co

**Budget Recommendation:**

1) Budget as presented should be approved and Wayne County should be authorized to proceed with CMI grant negotiations with MDEQ to accommodate ADW involvement.

**Recommendations: (For Discussion Purposes)**

2) RFP needs to be developed to secure contractor services for data handling & analysis. Combine Monit 5 with Monit 6 for RFP purposes