**Model Integration Timeline**

YEAR 1: 2016

1. Hire Postdoc to start May 2016 (KC, CCC, KB)
2. GLM for Mendota & Sunapee (completed going into Year 1: CCC, PCH). Use these to address time lag questions for limnological component (envisioned paper 1: CCC, PCH)
3. Econ SDP – Early Year 1 for Mendota; late Year 1 for Sunapee (KC, KB, econ grad student)
4. Econ SDP, PIHM/Cycles – Early to mid-Year 1. KC, econ graduate student, and postdoc to visit Penn State to discuss spatial/temporal resolution and output variables to feed PIHM.
5. May workshop 1 VA (CCC, KC)
6. Postdoc to work with Chris + Armen on Sunapee PIHM/GLM coupling (leverage coupling already/currently being developed for Mendota) (summer; Postdoc, CD, AK).
7. Trade-offs between farmer welfare and water quality (KC: envisioned paper 2).
8. GLM/PIHM coupled for Sunapee mid-Year 1 (postdoc, CCC, PCH).
9. Examine lags in water quality due to hydrological coupling between GLM & PIHM for Sunapee and Mendota (envisioned paper 3: limnology graduate student, CCC, PCH, CD, AK)
10. GLM for Oneida end of Year 1 (limnology grad student, CCC, PCH).
11. Compile Hedonic data compilation and QA/QC by early Year 1 (econ grad student, KB).
12. Preliminary visits to Lake Associations (MS, KB, KCW): Lake Association interviews of LA staff + other key people (KB, MS). Survey prep for all three LAs (focus groups) and scoping out document analysis to happen in Year 2 (MS).
13. Use the preliminary LA data to begin to guide the development of linked catchment model scenarios (Postdoc, MS, KC, CCC)

YEAR 2: 2017

1. GLM/PIHM by early Year 2 for Oneida (postdoc, CCC, PCH).
2. GLM/Hedonic linkage for Mendota and Sunapee in Year 2 (KB, econ grad student, postdoc).
3. Linked economic activity and water quality for Mendota and Sunapee (envisioned paper 4: econ grad student, KB, KC, limnology grad student, CCC, PCH, KCW)
4. Early June workshop 2 WI.
5. Cycles through Hedonic for Mendota by end of Year 2 (Postdoc, KC, CCC, CD, AK, PCH, KB, econ + limnology grad students).
6. Use the scenarios developed in Year 1 from LA interviews to force the coupled Cycles-Hedonic Mendota model (Postdoc, KC, CCC, MS)
7. Linked hydrology-limnology-hedonic-SDP model for Mendota (envisioned paper 5: Postdoc + team)
8. Lake Association scaling up data collection mid-Year 2 (PS, LAGOS intern).
9. Collective action surveys of LA citizens completed by end of Year 2 (MS, social grad student; envisioned paper 6).
10. Collective action document analysis (KWIC) by end of Year 2 (MS, social grad student; envisioned paper 7).
11. Begin scaling up of three catchments and LAGOS (Postdoc, PS): potential visit of postdoc to MSU?

YEAR 3: 2018

1. Cycles through Hedonic for Sunapee and Oneida by early Year 3 (Postdoc + team)
2. Collective action added in to all three coupled lake models by mid-Year 3 (MS, MS grad student).
3. Scaling up lake catchments and LAGOS analysis (Postdoc)
4. Fall 2018? workshop 3 NH with LA partners (all)