### Table 4.1 Outcomes Assessment Implementation Summary – B.S. in Fisheries Science

Complete a separate table for each degree and certificate program

<table>
<thead>
<tr>
<th>Assessment information collected</th>
<th>2007-08</th>
<th>2008-09</th>
<th>2009-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT/ACT Verbal Scores: 6</td>
<td>SAT/ACT Verbal Scores: 19</td>
<td>SAT/ACT Verbal Scores: 8</td>
<td></td>
</tr>
<tr>
<td>Grades in ENG 314 or 414: 6</td>
<td>Grades in ENG 314 or 414: 6</td>
<td>Grades in ENG 314 or 414: 0</td>
<td></td>
</tr>
<tr>
<td>Essays from Fish 400 or 401: 0</td>
<td>Essays from Fish 487: 4</td>
<td>Essays from Fish 487: 3</td>
<td></td>
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<tr>
<td>Oral presentation evaluation from Fish 400: 0</td>
<td>Oral presentation evaluation from Fish 487: 4</td>
<td>Oral presentation evaluation from Fish 487: 3</td>
<td></td>
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<tr>
<td>Exit interview data were collected for 5 of the 6 students graduating during the 2007-2008 academic year.</td>
<td>Exit interview data were collected for the 1 student graduating during the 2008-2009 academic year.</td>
<td>Exit interview data were collected for the 3 student graduating during the 2009-2010 academic year.</td>
<td></td>
</tr>
</tbody>
</table>
Conclusions drawn from the information collected above and how are faculty collectively involved in drawing conclusions

<table>
<thead>
<tr>
<th>Program Strengths</th>
<th>Program Weaknesses</th>
<th>Career Preparation</th>
<th>Overall Experience</th>
<th>Additional program outcome assessment metrics still in development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fisheries classes, instructors, a lot of interaction with students and improved course offerings after Amanda and Trent arrived, new faculty, new advising format, AFS</td>
<td>Need for a larger availability of classes, no marine biology classes at the undergraduate level, UAF core requirements, need more policy and statistics classes in program, need to add a second semester of ichthyology and a fish physiology course, lack of a sense of cohort, scheduling problems with courses, poor advising, poor instructors</td>
<td>Feel very prepared, yes—a good opportunity, yes, would have liked more hands-on preparation but feels ready for graduate school, not fully because of lack of opportunities</td>
<td>Enjoyed the program, good experience (better than in Biology), great experience, program changes in the past year led to an overall positive experience, good experience</td>
<td>Additional program outcome assessment metrics still in development</td>
</tr>
<tr>
<td>Summary exit interviews:</td>
<td>Program Weaknesses: Need to better recruit Alaskans, need faculty with familiarity with rural Alaska</td>
<td>Career Preparation: Feel very prepared, experiences helped prepare for work environment</td>
<td>Overall Experience: Great experience, definitely better after revision of undergraduate program</td>
<td></td>
</tr>
<tr>
<td>SAT: 1251 (1250-1490)</td>
<td>Career Preparation: Improvement of program, new instructors</td>
<td>Career Preparation: Feel very prepared, encourage anyone to come to UAF for an undergraduate education, good to interact with AFS</td>
<td>Overall Experience: Great experience, definitely better after revision of undergraduate program</td>
<td></td>
</tr>
<tr>
<td>ACT: 221.1 (15-28)</td>
<td>Program Weaknesses: Courses that emphasize fish culture, too many video conference courses, some poor instructors</td>
<td>Program Weaknesses: Need to better recruit Alaskans, need faculty with familiarity with rural Alaska</td>
<td>Overall Experience: Great experience, program overhaul great, faculty and staff supportive, excellent mentoring, class projects give confidence that can succeed</td>
<td></td>
</tr>
<tr>
<td>ENG 314/414: B+</td>
<td>Program Weaknesses: Courses that emphasize fish culture, too many video conference courses, some poor instructors</td>
<td>Program Weaknesses: Need to better recruit Alaskans, need faculty with familiarity with rural Alaska</td>
<td>Overall Experience: Great experience, program overhaul great, faculty and staff supportive, excellent mentoring, class projects give confidence that can succeed</td>
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</tr>
<tr>
<td>FISH 487 Essay Grade: B</td>
<td>Program Weaknesses: Need to better recruit Alaskans, need faculty with familiarity with rural Alaska</td>
<td>Program Weaknesses: Courses that emphasize fish culture, too many video conference courses, some poor instructors</td>
<td>Overall Experience: Great experience, program overhaul great, faculty and staff supportive, excellent mentoring, class projects give confidence that can succeed</td>
<td></td>
</tr>
<tr>
<td>FISH 487 Oral Presentation Grade: A-</td>
<td>Program Weaknesses: Need to better recruit Alaskans, need faculty with familiarity with rural Alaska</td>
<td>Program Weaknesses: Courses that emphasize fish culture, too many video conference courses, some poor instructors</td>
<td>Overall Experience: Great experience, program overhaul great, faculty and staff supportive, excellent mentoring, class projects give confidence that can succeed</td>
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<tr>
<td>The mean SAT/ACT scores (range in parentheses) for these students are as follows: SAT: 982.5 (860 – 1120) ACT Math: 24 (19 - 31) ACT Reading: 22.8 (17 – 33) ACT Science: 23.2 (20 – 25) ACT English: 21 (16 – 25)</td>
<td>The mean SAT/ACT scores (range in parentheses) for these students are as follows: SAT: 1251 (1250-1490) ACT: 221.1(15-28) ENG 314/414: B+ FISH 487 Essay Grade: B FISH 487 Oral Presentation Grade: A-</td>
<td>The mean SAT/ACT scores (range in parentheses) for these students are as follows: SAT: 1330 (1150-1500) ACT: 18.3 (15-23) ENG 314/414: -- FISH 487 Essay Grade: B FISH 487 Oral Presentation Grade: B</td>
<td>The mean SAT/ACT scores (range in parentheses) for these students are as follows: SAT: 1330 (1150-1500) ACT: 18.3 (15-23) ENG 314/414: -- FISH 487 Essay Grade: B FISH 487 Oral Presentation Grade: B</td>
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</table>
Curricular changes resulting from conclusions drawn above

| Course additions: FISH 315 Fisheries Techniques, FISH 425 Fish Ecology, FISH 490 Experiential Learning Internship | Major course modifications of content: FISH 261 Introduction to Fisheries Utilization, FISH 336 Introduction to Aquaculture | Major course modifications of content: FISH 261 Introduction to Fisheries Utilization, FISH 336 Introduction to Aquaculture |
| Course deletions: FISH 400 Fisheries Science | | |